4K Maestro TX/RX 18Gbps

User Manual 4K Maestro Rev 1.00

FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the measures listed below.

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/television technician for help.

Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2

Shielded interface cables and A.C. power cord, if any, must be used in order to comply with the emission limits.

VOIR LA NOTICE D'INSTALLATION AVANT DE RACCORDER AU RESEAU.

FC   LegendSky Tech CO., LTD.
HDfury Maestro

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) this device may not cause harmful interference, and
2) this device must accept any interference received, including interference that may cause undesired operation.

CE Conformity

Hereby, LegendSky Tech CO., LTD declares that this device is in compliance with the essential safety requirements and other relevant provisions set out in the European Directive.

C E

N1996

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

Table of content

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TX Overview

Team HDfury would like to thank you personally for purchasing the 4K Maestro TX!

This unique HDMI2.0b and HDCP2.3 HDBaseT device supports up to 4 inputs for true full 4K60 4:4:4 600MHz 18Gbps bandwidth signals over HDMI or HDBaseT transmission up to 330ft. It will allow you to solve any HDCP error, extract full HDMI audio and ARC/eARC up to Atmos HBR over TrueHD from ARC and eARC TVs to feed older AVR and Matrix any SD/HD/FHD/UHD/HDR/DV or PC signals up to 600MHz. Upscale or downscale any channel individually, display relevant information on OLED/OSD, select between multiple edid banks for each inputs. Inject, replace or translate HDR metadata and AVI infoframe. It is also capable of auto switching any sources including X1X, ATV4K, Shield, etc… Based on incoming content type it can send relevant RS232 commands to any RS232 controllable display. Control can be completed with IR codes, push buttons on the unit, via RS232 (MAC/WIN/Linux) or through embedded Webserver (for any web browser based device such as MAC/WIN/Linux computer or Android/iOS phones, tablets and others).

Disclaimer: 3rd party and/or custom firmware providing extra features are not covered in this manual.
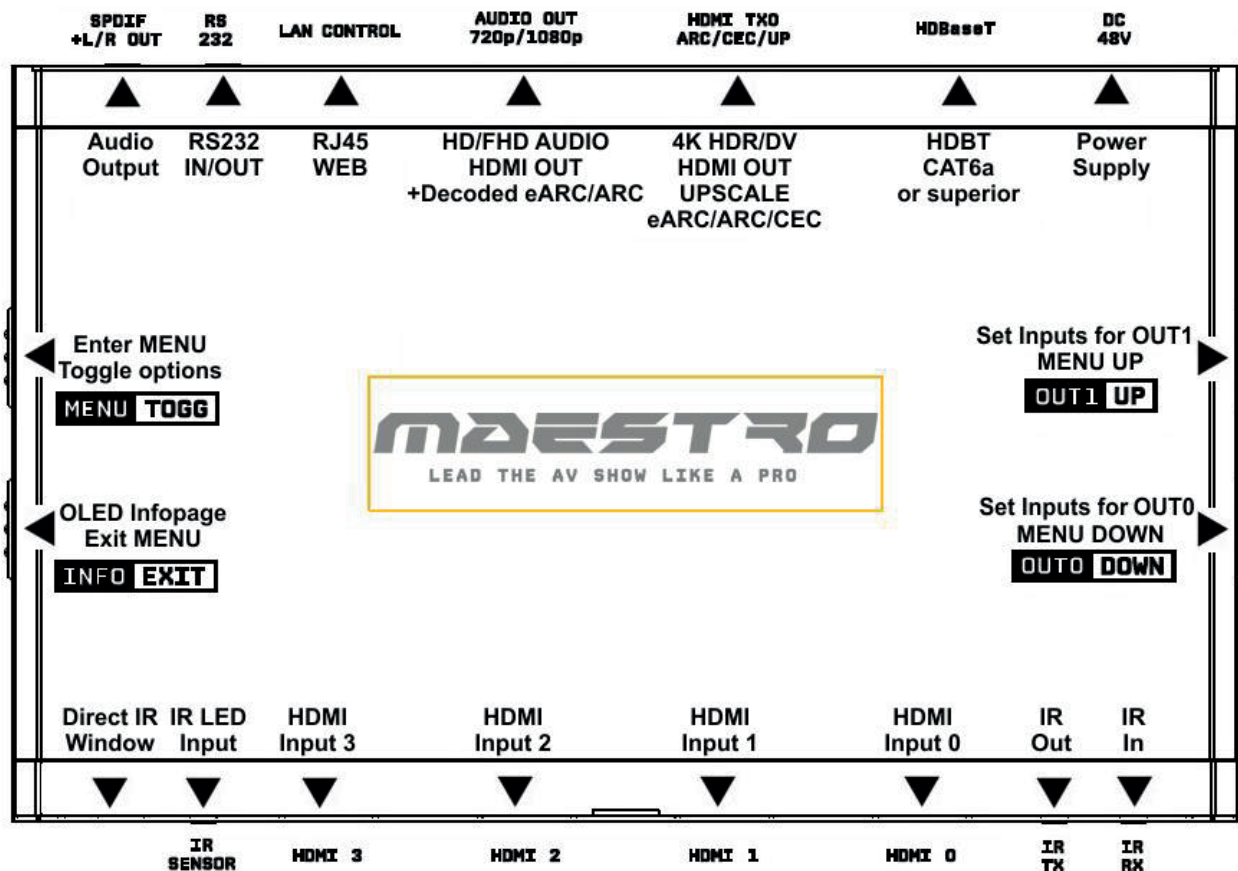
RX Overview

Team HDfury would like to thank you personally for purchasing the 4K Maestro RX!

This unique HDMI2.0b and HDCP2.3 HDBaseT RX device supports true full 4K60 4:4:4 600MHz 18Gbps bandwidth signals. Self-powered by Maestro TX thru POE, one HDbaseT input cable is enough to transmit Audio, IR signals, RS232, video signals and share Ethernet thru LAN Hub embedded. It will allow you to solve any HDCP error, Split or Matrix any SD/HD/FHD/UHD/HDR/DV or PC signals up to 600MHz, scale up or scale down any channel individually, display relevant information on OLED/OSD, Inject Infoframe and more. Control can be completed with IR codes, push buttons on the unit, via RS232 (MAC/WIN/Linux) or through embedded Webserver (for any web browser based device such as MAC/WIN/Linux computer or Android/iOS phones, tablets and others).
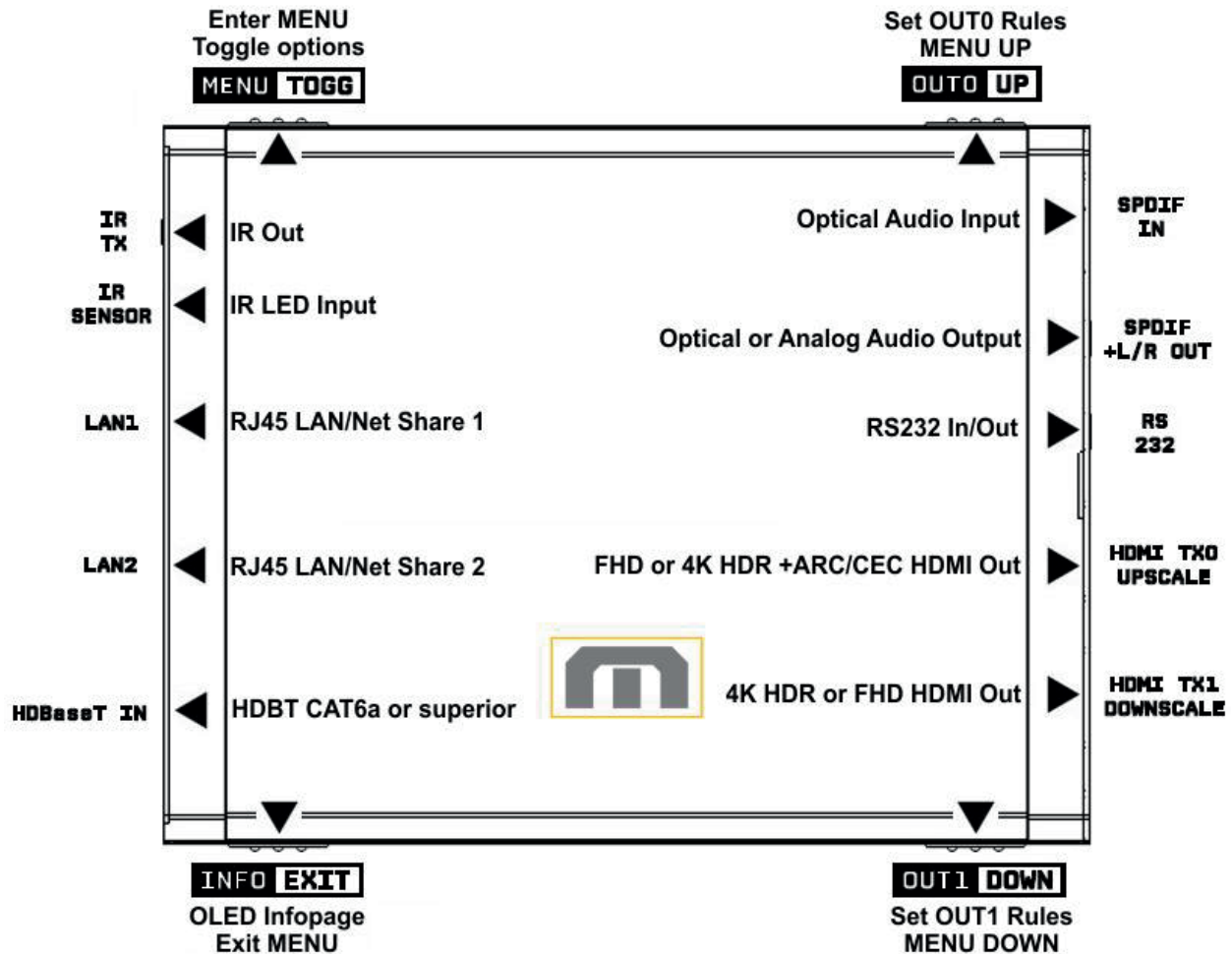When not in use Maestro RX automatically goes in Power Saving mode to run cooler and save energy.

Enter MENU
Toggle options
MENU TOGG

Set OUT0 Rules
MENU UP
OUT0 UP

IR TX	IR Out	Optical Audio Input	SPDIF IN
IR SENSOR	IR LED Input		
		Optical or Analog Audio Output	SPDIF +L/R OUT
LAN1	RJ45 LAN/Net Share 1	RS232 In/Out	RS 232
LAN2	RJ45 LAN/Net Share 2	FHD or 4K HDR +ARC/CEC HDMI Out	HDMI TX0 UPSCALE
HDBaseT IN	HDBT CAT6a or superior	4K HDR or FHD HDMI Out	HDMI TX1 DOWNSCALE

INFO EXIT
OLED Infopage
Exit MENU

OUT1 DOWN
Set OUT1 Rules
MENU DOWN

Disclaimer: *3ʳᵈ party and/or custom firmware providing extra features are not covered in this manual.*

Connecting Cables to TX Central for a standalone use (without RX unit)
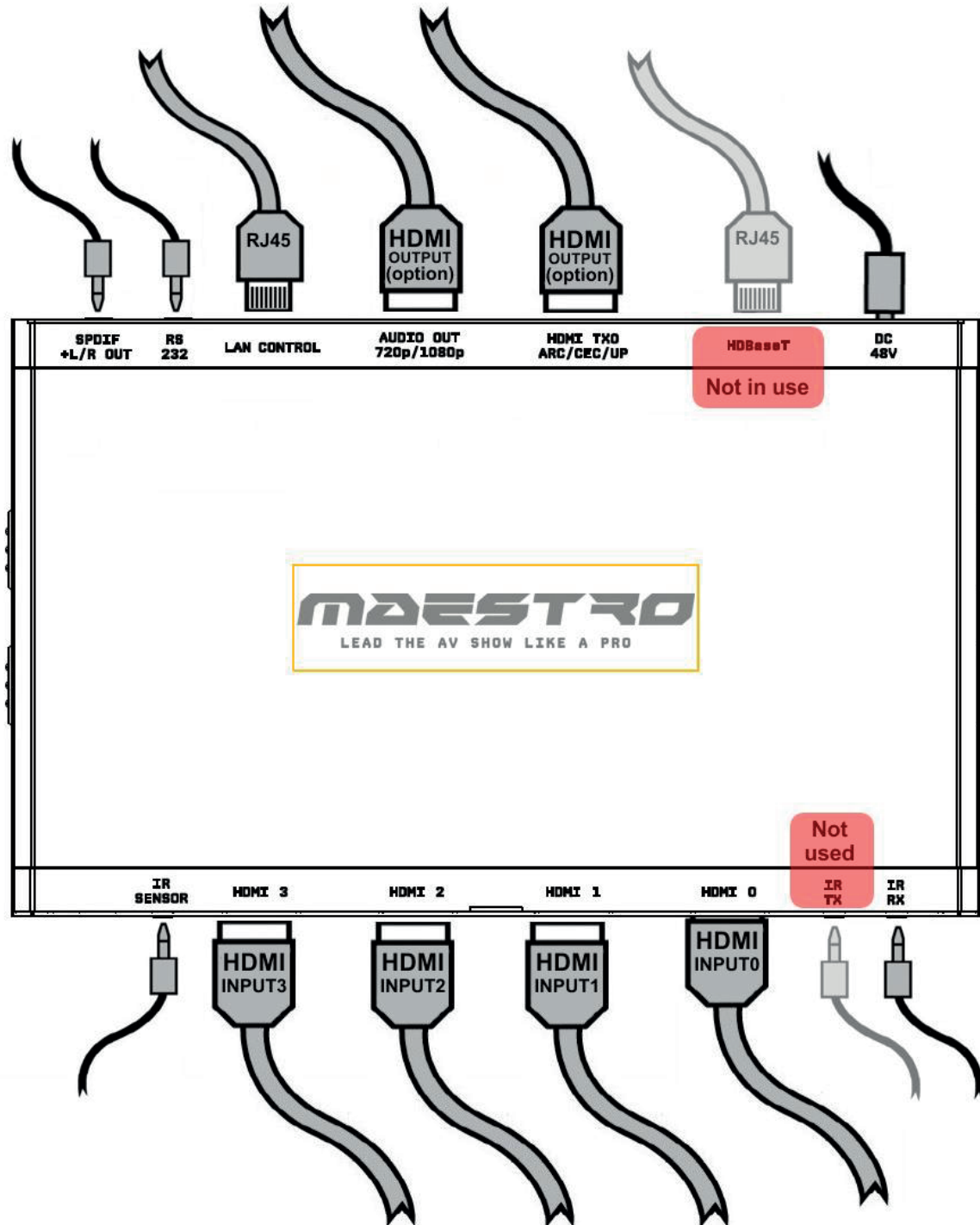
- Connect Power connector from Power supply (110-240V 1.2A IN & 48V 1A OUT).
- Connect a source via HDMI input cable to ANY HDMI input.
- Connect any other HDMI, sound, IR or RS232 cable that you might need (optional)
- HDbaseT and IR TX output shall not be used or connected (In RED on the above pic.)

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Connecting Cables to TX Central
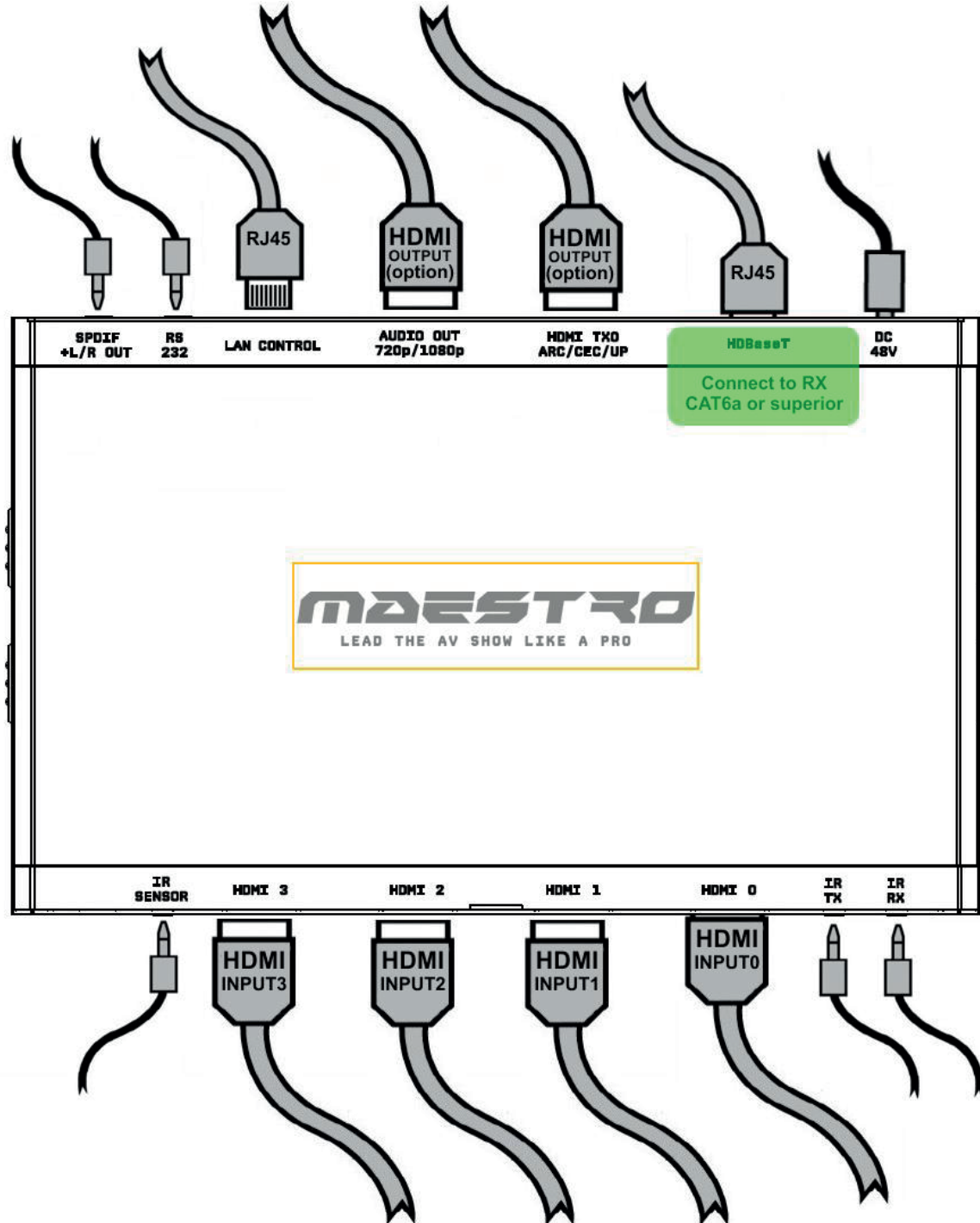
- Connect Power connector from Power supply (110-240V 1.2A IN & 48V 1A OUT).
- Connect a source via HDMI input cable to ANY HDMI input.
- Connect any other HDMI, sound, IR or RS232 cable that you might need (optional)
- Connect a RJ45 network cable CAT6a or superior between HDBT OUT on TX to HDBT IN on RX
- HDMI cable must support 18Gbps if any 18Gbps source or sink is connected (except for Audio Out)

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Connecting Cables to RX unit

SPDIF IN | SPDIF +L/R OUT | RS 232 | HDMI TX0 UPSCALE | HDMI TX1 DOWNSCALE

HDMI OUTPUT (option) | HDMI OUTPUT (option)

• HDMI/HDCP 1.x devices must be connected to Downscale Output port.
• Make sure that you are using 600MHz certified or tested HDMI 4K cable if you plan to set up a 4K60 4:4:4 8b or 4K60 4:2:2 12b 600MHz/18Gbps link in your setup.
• Maestro RX operating temp can be as high as 50 Celsius degrees when processing 18 Gbps signals. It is normal.

Connect to TX HDBT

IR TX | IR SENSOR | LAN1 | LAN2 | HDBaseT IN

RJ45 | RJ45 | RJ45

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TX Power/Status OLED

The Maestro TX OLED will turn ON when power supply is applied; Maestro Logo will be displayed followed by a similar default infopage to the one represented below.

[192.168.1.117]: Maestro TX IP address will be displayed here if LAN CONTROL RJ45 output is connected to your LAN/WAN router/switcher. mDNS and other way are available if you cycle OLED infopage.
[FW: 0.6]: Firmware Version of Maestro TX is reported here.

If any active input is connected, the default TX OLED infopage will indicate which input is active (IN1 on above pic). Maestro will process handshake with the active input and once completed the signal information will be displayed. 4K50 4:2:2 BT2020 12b LLDV 594MHz 2.2 on above pic.

If any sink is connected at TX0 output, TX0 section of the default OLED infopage will report its EDID name (LG TV on above pic) and its max supported resolution (4K60 4:4:4 8b BT2020 HDR on above pic) on the first line. Second line will display the current signal going to it, the small arrow on the right indicate if signal is upscaled ↑, Downscaled ↓ or passing thru untouched →
Please note that TX1 info will only be displayed when RX unit is connected.

[OLED OFF]: Insufficient power, OLED timer expired (default 60s) or OLED OFF. Use the Maestro power supply; press any button if OLED timer expired and make sure the OLED is ON (refer to p.58).

[OLED ON]: The Maestro TX unit is receiving power and is ready to accept an HDMI signal.

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RX Power/Status OLED

The Maestro RX OLED will turn ON when power supply is applied; Maestro Logo will be displayed followed by a similar default infopage to the one represented below.
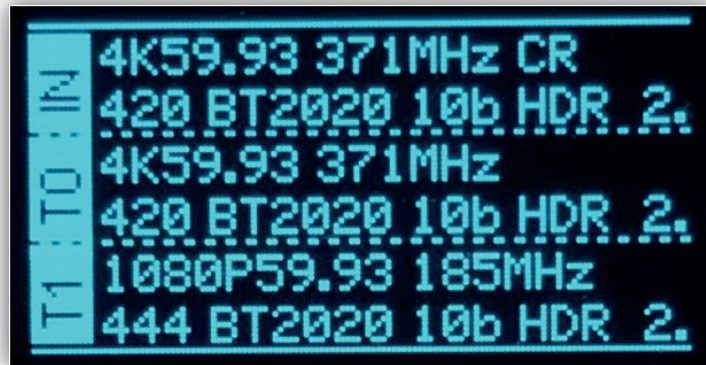
If any HDBT link from HDBT output of TX Central unit is connected to RX HDBT input and if any active input is connected to TX and routed to RX, the default RX OLED infopage will indicate the incoming signal information (IN on above pic).

If any sink is connected at TX0 or TX1 output of the RX unit, T0 and T1 sections of the default OLED infopage will report the current signal going to each of them.

The status of the RX OLED may be used for troubleshooting:

[OLED OFF]: Insufficient power, OLED timer expired (default 60s) or OLED OFF. Use the Maestro power supply; press any button if OLED timer expired and make sure the OLED is ON (refer to p.61). If OLED stay OFF please make sure you are using at least CAT6a or superior Ethernet cable from TX HDBT or RX HDBT (min 6ft max 330ft for 18Gbps transmission)

[OLED ON]: The Maestro RX unit is receiving power and is ready to accept an HDMI signal via HDBT from TX Central.
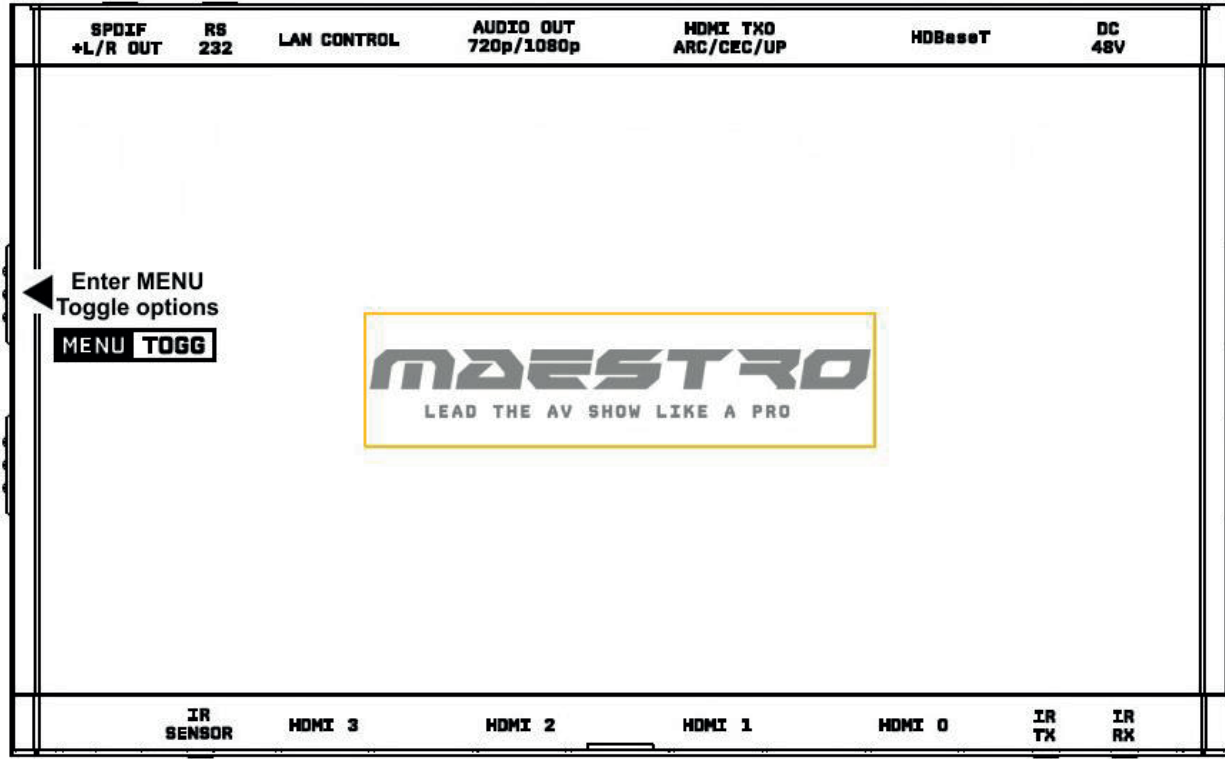
Disclaimer: *3ʳᵈ party and/or custom firmware providing extra features are not covered in this manual.*

TX Menu/Toggle Button

The 4K Maestro TX/RX offers 2 functions per push button.

[MENU] Wake up from sleep/fade mode and/or Enter Maestro OLED MENU.

[TOGG] When you are in Maestro OLED MENU, the TOGGLE button allows you to change and cycle any setting value.

Note: You can also control and change settings with IR codes, through RS232 for MAC/WIN/Linux or from the embedded TX Webserver for MAC/WIN/Linux PC or via Android/iOS smartphone/tablet or any web browser based device.

TX Info/Exit Button
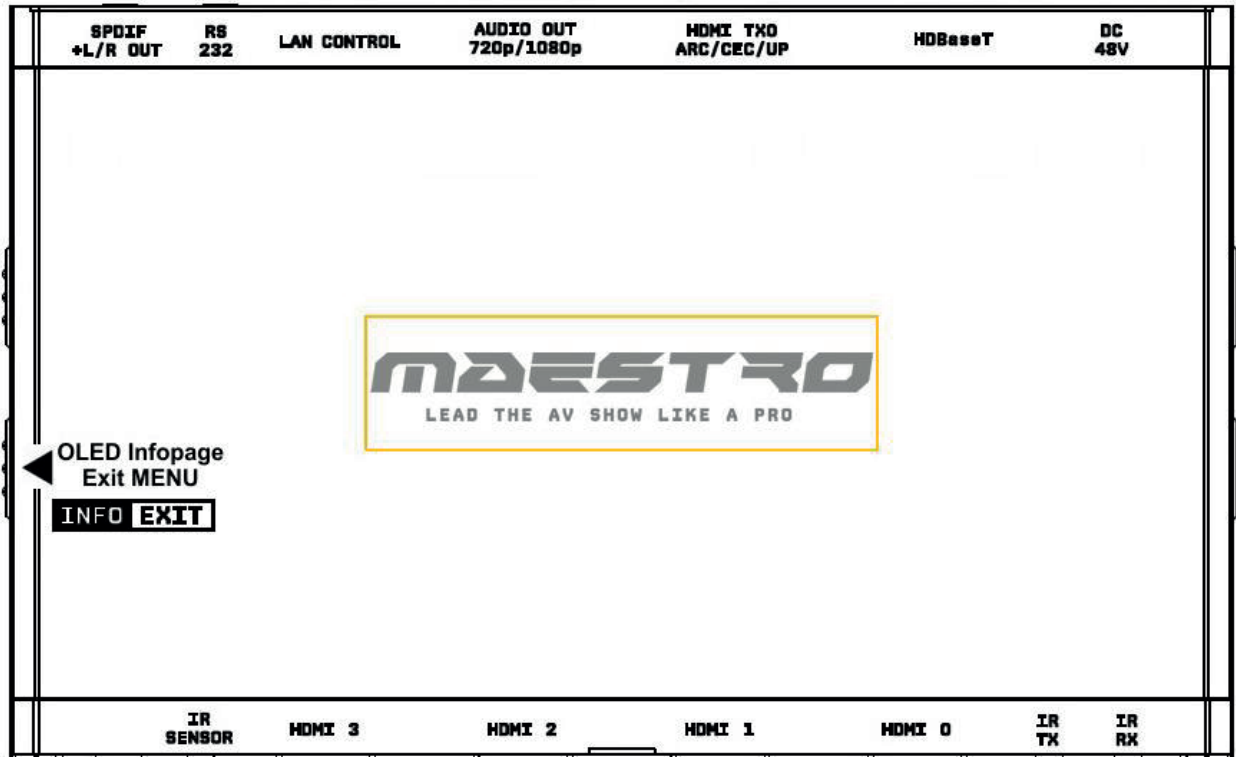
The 4K Maestro TX/RX offers 2 functions per push button.

[INFO] Wake up from sleep/fade mode and/or Cycle OLED infopage: INFO > LAN INFO > HDR INFO > …

[EXIT] When you are in Maestro OLED MENU, the EXIT button allows you to exit OLED MENU.

Note: You can also control and change settings with IR codes, through RS232 for MAC/WIN/Linux or from the embedded TX Webserver for MAC/WIN/Linux PC or via Android/iOS smartphone/tablet or any web browser based device.

TX Out1/Up Button

The 4K Maestro TX/RX offers 2 functions per push button.

[OUT1] Wake up from sleep/fade mode and/or set and switch active or inactive inputs for HDBT output.

[UP] When you are in Maestro OLED MENU, the UP button allows you to navigate upward.

Maestro TX OLED/OSD will report info for up to two active inputs in default Matrix mode while only the current HDBT input is reported via OLED/OSD on Maestro RX.

Note: You can also control and change settings with IR codes, through RS232 for MAC/WIN/Linux or from the embedded TX Webserver for MAC/WIN/Linux PC or via Android/iOS smartphone/tablet or any web browser based device.

TX Out0/Down Button
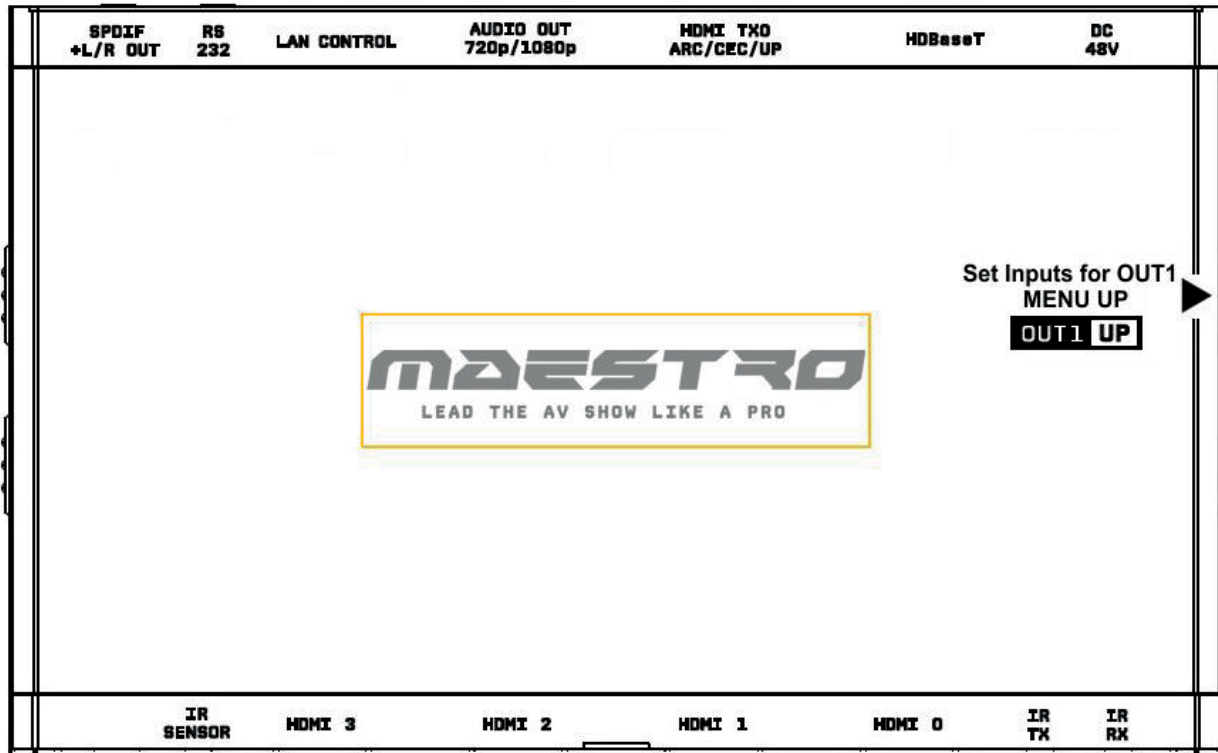

The 4K Maestro TX/RX offers 2 functions per push button.

[OUT0] Wake up from sleep/fade mode and/or set and switch active or inactive inputs for TX0 HDMI output.

[DOWN] When you are in Maestro OLED MENU, the DOWN button allows you to navigate downward.

Maestro TX OLED/OSD will report info for up to two active inputs in default Matrix mode.

Note: You can also control and change settings with IR codes, through RS232 for MAC/WIN/Linux or from the embedded TX Webserver for MAC/WIN/Linux PC or via Android/iOS smartphone/tablet or any web browser based device.

RX Menu/Toggle Button

Enter MENU
Toggle options

MENU TOGG

The 4K Maestro TX/RX offers 2 functions per push button.

[MENU] Wake up from sleep/fade mode and/or Enter Maestro RX OLED MENU.

[TOGG] When you are in Maestro RX OLED MENU, the TOGGLE button allows you to change and cycle any setting value.

Note: You can also control and change settings with IR codes, through RS232 for MAC/WIN/Linux or from the embedded RX Webserver for MAC/WIN/Linux PC or via Android/iOS smartphone/tablet or any web browser based device.

RX Info/Exit Button
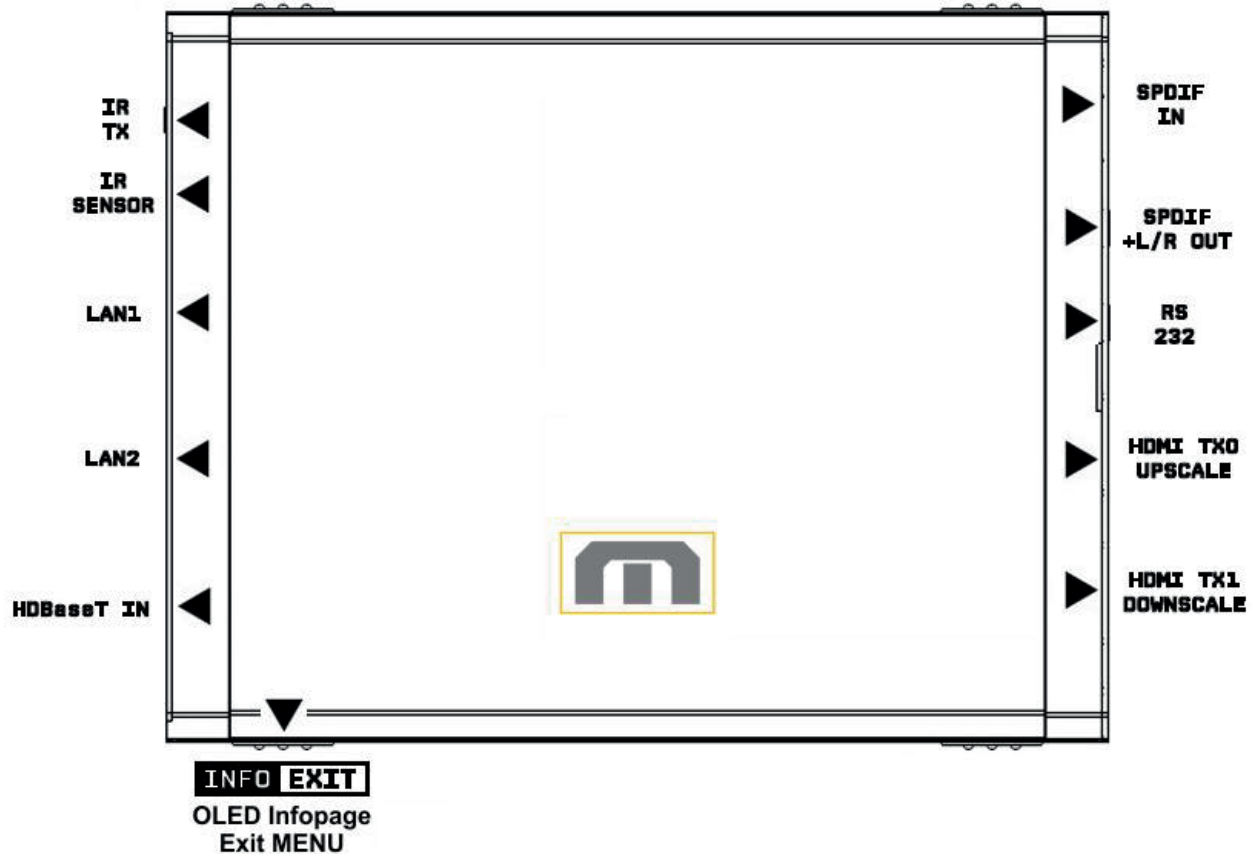
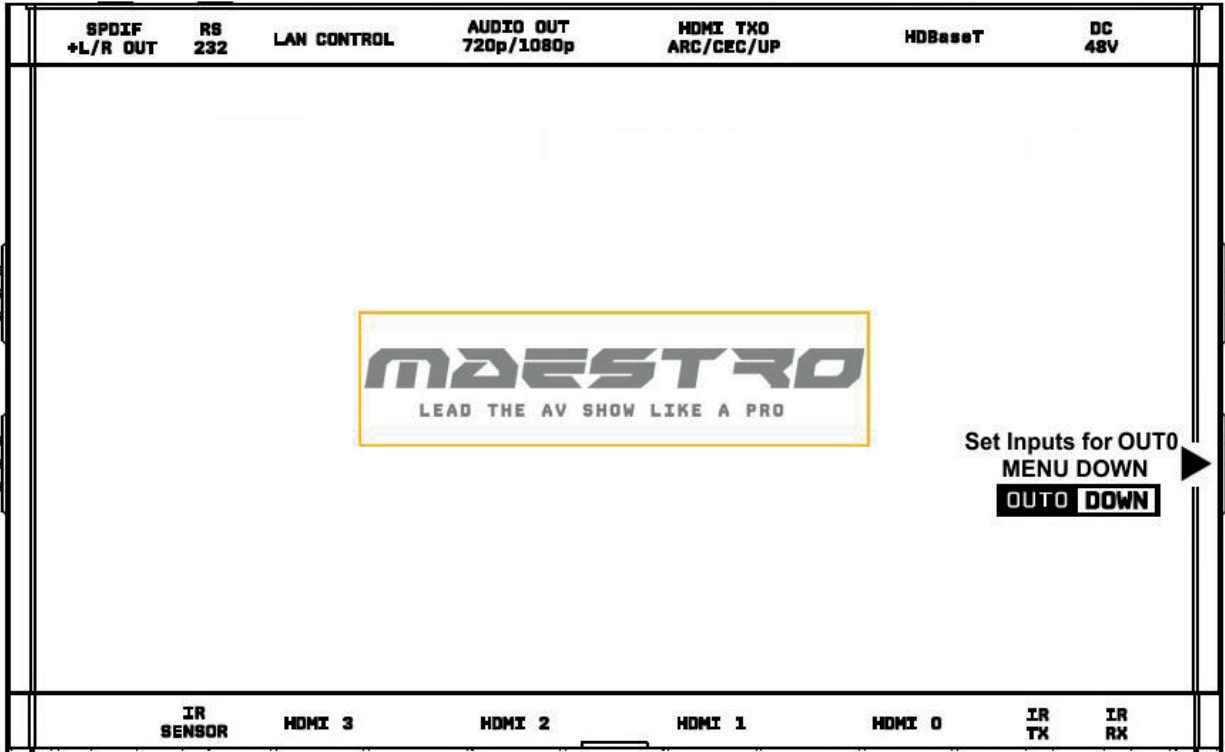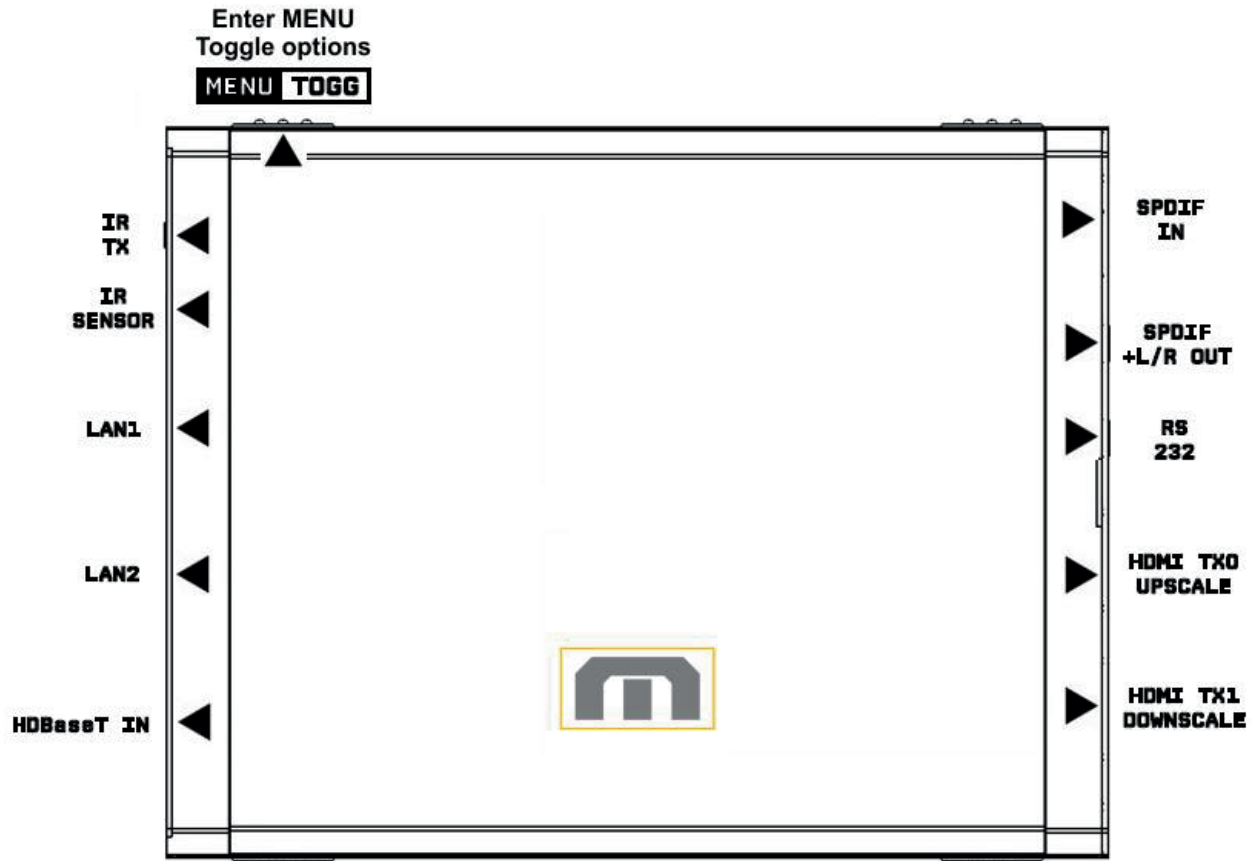The 4K Maestro TX/RX offers 2 functions per push button.

[INFO] Wake up from sleep/fade mode and/or Cycle RX OLED infopage: INFO > LAN INFO > RX INFO > HDR1 INFO > HDR2 INFO > IF INFO > …

[EXIT] When you are in Maestro RX OLED MENU, the EXIT button allows you to exit RX OLED MENU.

Note: You can also control and change settings with IR codes, through RS232 for MAC/WIN/Linux or from the embedded RX Webserver for MAC/WIN/Linux PC or via Android/iOS smartphone/tablet or any web browser based device.

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RX Out0/Up Button

Set OUT0 Rules
MENU UP
OUT0 UP

IR TX ◄

IR SENSOR ◄

LAN1 ◄

LAN2 ◄

HDBaseT IN ◄

► SPDIF IN

► SPDIF +L/R OUT

► RS 232

► HDMI TX0 UPSCALE

► HDMI TX1 DOWNSCALE

The 4K Maestro TX/RX offers 2 functions per push button.

[OUT0] Wake up from sleep/fade mode and/or set rules for active or inactive outputs on TX0 HDMI output.

[UP] When you are in Maestro RX OLED MENU, the UP button allows you to navigate upward.

Maestro RX OLED/OSD will report info for HDBT active input and up to two active outputs.

Note: You can also control and change settings with IR codes, through RS232 for MAC/WIN/Linux or from the embedded RX Webserver for MAC/WIN/Linux PC or via Android/iOS smartphone/tablet or any web browser based device.

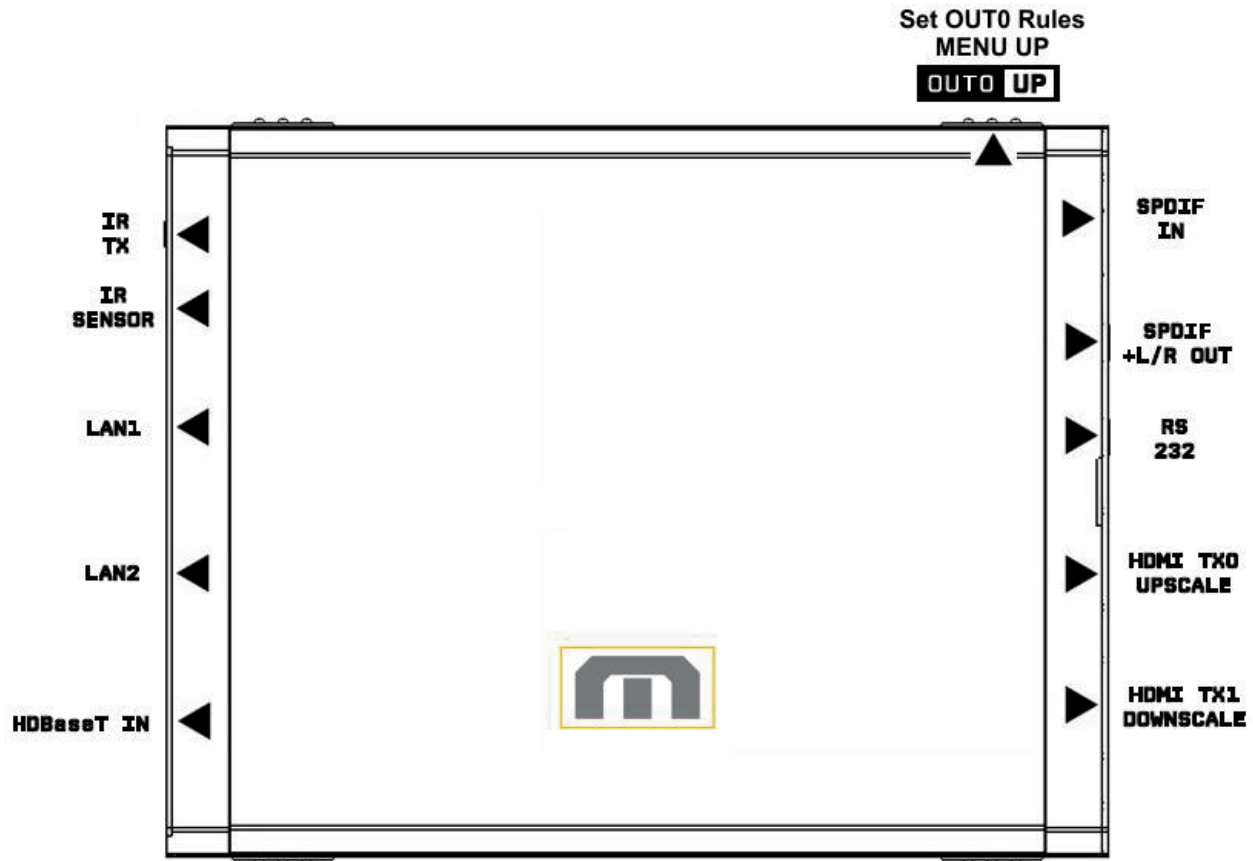**Disclaimer:** *3rd party and/or custom firmware providing extra features are not covered in this manual.*

RX Out1/Down Button


```
                                                    SPDIF
IR                                                   IN
TX

IR                                                  SPDIF
SENSOR                                            +L/R OUT

LAN1                                                 RS
                                                    232

LAN2                                             HDMI TX0
                                                 UPSCALE

                        [m]                      HDMI TX1
HDBaseT IN                                       DOWNSCALE

                            OUT1  DOWN
                          Set OUT1 Rules
                          MENU DOWN
```

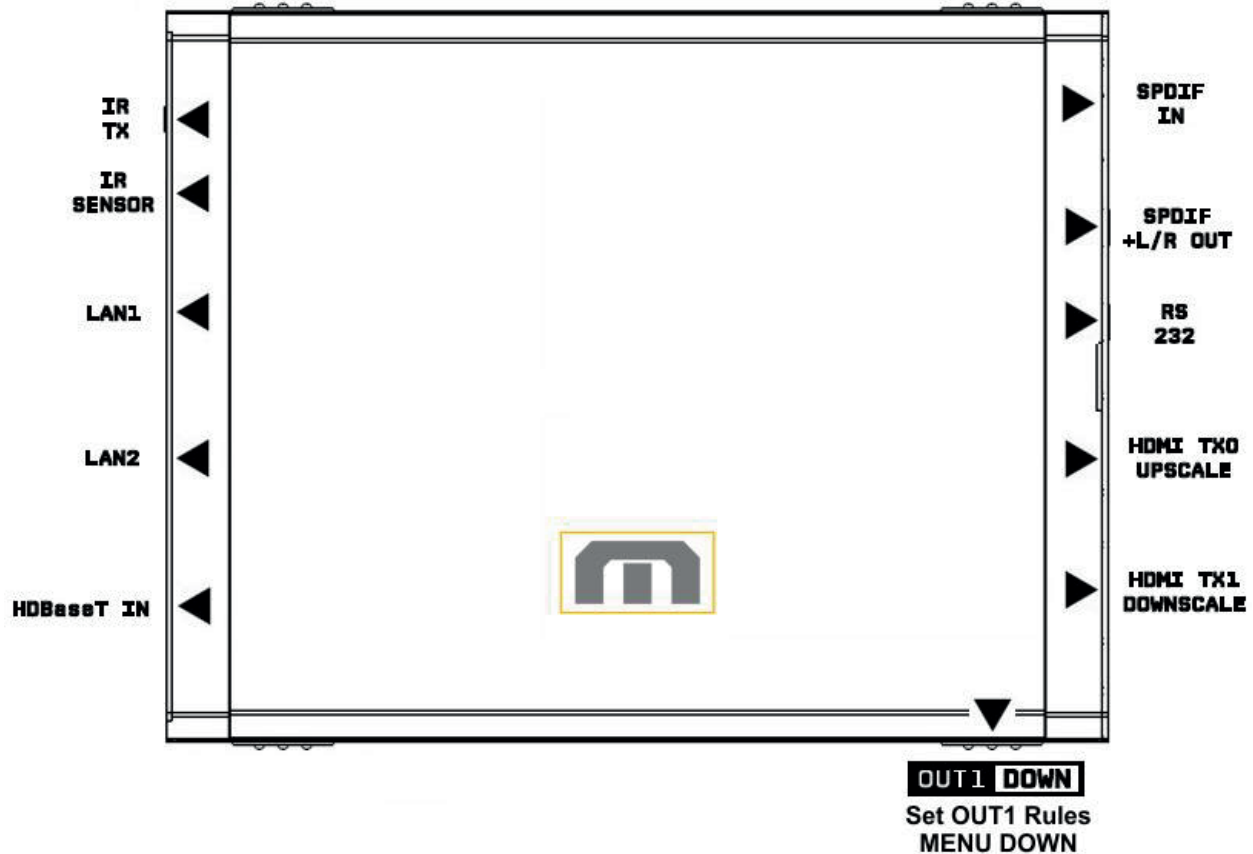The 4K Maestro TX/RX offers 2 functions per push button.

[OUT1] Wake up from sleep/fade mode and/or set rules for active or inactive outputs on TX1 HDMI output.

[DOWN] When you are in Maestro RX OLED MENU, the DOWN button allows you to navigate downward.

Maestro RX OLED/OSD will report info for HDBT active input and up to two active outputs.

Note: You can also control and change settings with IR codes, through RS232 for MAC/WIN/Linux or from the embedded Webserver for MAC/WIN/Linux PC or via Android/iOS smartphone/tablet or any web browser based device.

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Help on IR connections

OUTPUT IR JACK

For an IR TX cable with LED transmitter (blaster or individual). Signal received by Maestro Central to RX via HDBT is output here.
Ex: LED cable attaches to TV to control TV volume with a RF remote (connected to system controller near Maestro Central)

INPUT IR JACK

For an IR RX cable with LED receiver. This connection will be used to control Maestro Central and RX as well as it is forwarded to Maestro Central over HDBT.

INPUT IR WINDOW

For local Maestro Central control. Not forwarded anywhere. A system controller will connect an IR TX LED on top here.

RX

IR TX   IR SENSOR   LAN1   LAN2   HDBaseT IN

TX

IR SENSOR   HDMI 3   HDMI 2   HDMI 1   HDMI 0   IR TX   IR RX

INPUT IR JACK

For an IR RX cable with LED receiver. For Maestro TX Central and RX control and distributed control. This connection will be forwarded to Maestro RX via HDBT.

OUTPUT IR JACK

For an IR TX cable with a LED transmitter (blaster or individual). Signal that was received by Maestro RX to TX via HDBT is output here.
Ex: LED cable attaches to AVR to control volume from near the TV where the Maestro RX is located.

INPUT JACK

For a direct connection from system controller. It does not use LED/Light. For local Maestro Central and RX or distributed control. This connection will be forwarded to Maestro RX via HDBT

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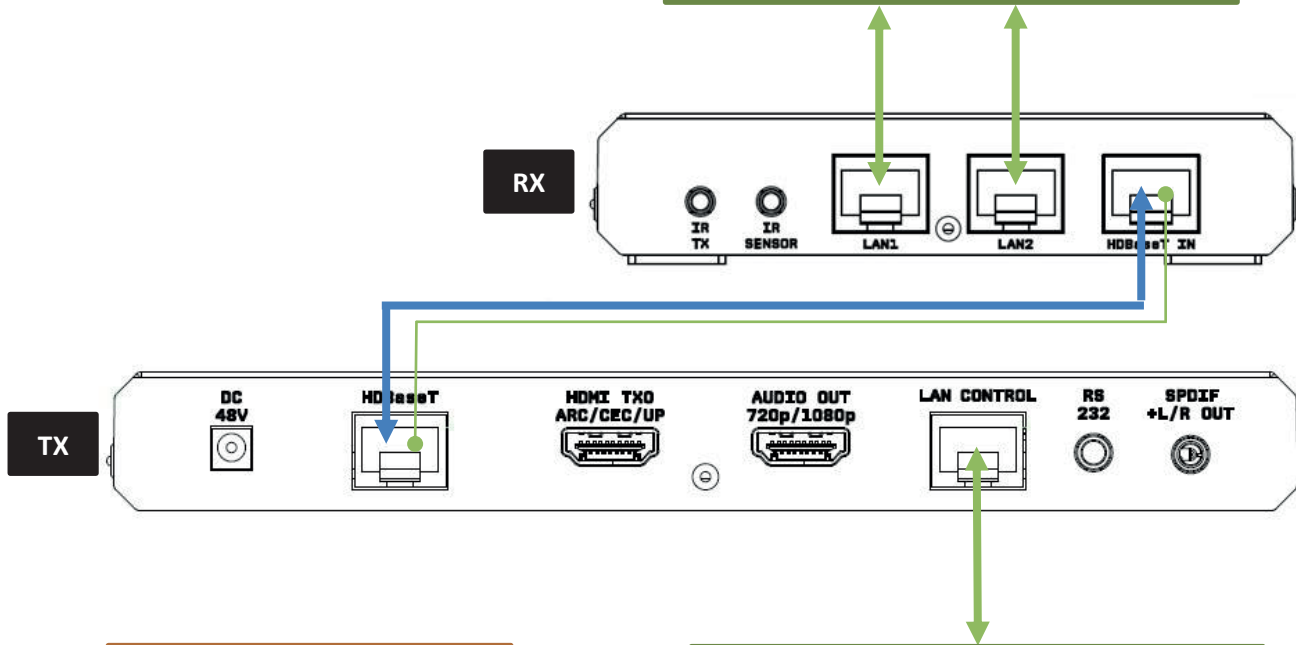
Help on LAN/RJ45 connections

HDBT CABLE FROM TX TO RX

Use CAT6A or superior of min length 6ft. Max length for 18Gbps 330ft/100m. Power to RX (POE), IR signals, RS232, LAN, Audio and Video, they all travel between TX and RX through the same Ethernet cable.

RX LAN1 AND LAN2 RJ45

If TX LAN Control is connected to LAN/WAN (local router/switcher) and HDBT cable is linking TX to RX, then you can share LAN/WAN with any devices that support LAN/WAN via RJ45. Ex: Connect game console or Smart TV to Internet or media player to LAN.

If TX LAN Control is not connected to LAN/WAN (if no connection available at its location) then you can connect any RX LAN port to LAN/WAN (local router/switcher) and the other port as well as TX LAN CONTROL will have LAN/WAN access as well.

RX

IR TX | IR SENSOR | LAN1 | LAN2 | HDBaseT IN

TX

DC 48V | HDBaseT | HDMI TXO ARC/CEC/UP | AUDIO OUT 720p/1080p | LAN CONTROL | RS 232 | SPDIF +L/R OUT

TIPS

Connect any RJ45 connector (TX LAN Control, RX LAN1 or LAN2) to LAN/WAN and all others RJ45 will share the LAN/WAN access. One RJ45 to LAN/WAN is enough to access both TX and RX Webserver

TX LAN CONTROL

If TX LAN Control is connected to LAN/WAN (local router/switcher) and HDBT cable is linking TX to RX, then you can share LAN/WAN with any devices that support LAN/WAN via RX LAN1 And LAN2. Ex: Connect game console or Smart TV to Internet or media player to LAN.

If TX LAN Control is not connected to LAN/WAN (if no connection available at its location) then you can connect any RX LAN port to LAN/WAN (local router/switcher) and the other port as well as TX LAN CONTROL will have LAN/WAN access as well.

Help on AUDIO/CEC/ARC/eARC connections

CEC Master is always TX0 on both TX/RX

SPDIF INPUT
Input optical Audio from TV or others. It can be retrieved via TX SPDIF output or TX HDMI Audio output.
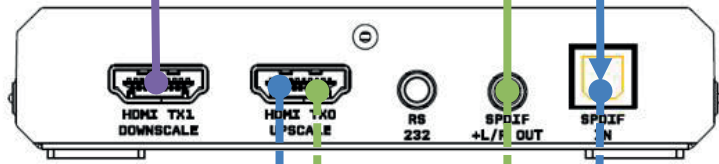
SPDIF 5.1 or L/R Analog OUTPUT
Extract and output HDMI sound coming from TX Central via HDBT, if selected in RX webserver SPDIF can output ARC sound from TV connected at RX TX0 HDMI output.

OLDER AVR OUTPUT
Any 1080p capable equipment can be connected to this output and get full HDMI sound and video. Make sure EDID presented by TX to the sources reflects its audio capabilities.

RX

HDMI TX1 DOWNSCALE   HDMI TX0 UPSCALE   RS 232   SPDIF +L/R OUT   SPDIF IN

TX

DC 48V   HDBaseT   HDMI TX0 ARC/CEC/UP   AUDIO OUT 720p/1080p   LAN CONTROL   RS 232   SPDIF +L/R OUT

eARC LINK
Maestro TX can extract up to Atmos HBR over TrueHD from capable eARC TV connected at TX0 and output it via AUDIO OUT to feed any AVR input capable of decoding such format.

HDMI AUDIO OUTPUT
Self-generated 720p/1080p video signal that can include full audio from:
Any source devices at TX inputs, eARC or ARC from TX0, ARC from sink connected at RX TX0 and RX SPDIF IN

SPDIF or L/R Analog OUT
Extract HDMI sound coming from any source devices at TX inputs. SPDIF can also output ARC from TX0, ARC from sink connected at RX TX0 and RX SPDIF IN

No Audio format manipulation.
Maestro TX/RX cannot manipulate Audio and otherwise transform Audio format, what comes IN goes OUT untouched.
Therefor if you plan to extract STEREO, incoming signal from HDMI source at TX inputs should be STEREO.
If incoming signal from HDMI inputs are superior to STEREO (ex ATMOS) then STEREO output cannot be used.

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TX OLED Menu

AUTOSWITCH	
YES	NO

AUTOSWITCH PRIORITY	
YES	NO

EDID MODE				
CUSTOM	COPY TX1	COPY TX0	AUTOMIX	FIXED

EDID ALGO				
4-MAX ALL	0-NORMAL	1-MAX AUDIO	PRIO TX0	PRIO TX1

SCALE MODE		
NONE	AUTO	CUSTOM

SPDIF ROUTE	
MAESTRO	RX

RX SPDIF ROUTE	
JACK	ARC

MUTE TX0 AUDIO	
ON	OFF

MUTE TX1 AUDIO	
ON	OFF

HDCP	
AUTO	1.4

CEC	
ON	OFF

CEC LA	
0-VIDEO [0x0E]	1-AUDIO [0x05]

ARC HBR	
ON	OFF

BAUD RATE			
1-19200	2-57600	3-115200	4-9600

DHCP	
ON	OFF

ANALOG VOLUME
0 [-30/+10]

ANALOG BASS
0 [-10/+10]

ANALOG TREBLE
0 [-10/+10]

MENU TOGG

Press MENU once to enter Maestro TX OLED Menu. Once you are in Maestro TX OLED Menu press the same menu to TOGGLE choice

OUT1 UP

Once you are in the Maestro TX OLED Menu. Press the UP button to navigate upward.

OUT0 DOWN

Once you are in the Maestro TX OLED Menu. Press DOWN button to navigate downward

INFO EXIT

To EXIT the Maestro TX OLED Menu. Press EXIT button or let menu idle for a while and it will EXIT automatically.

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[Autoswitch] :	ON/OFF
[Autoswitch Priority]:	ON/OFF
[EDID Mode]:	Custom / Copy TX1/Copy TX0/Automix/Fixed
[EDID Algo]:	4-Max All / 0-Normal / 1-Max Audio / Prio TX0 / Prio TX1
[SCALE Mode]:	None / Auto / Custom
[SPDIF Route]:	Maestro / RX
[RX SPDIF Route] :	Jack / ARC
[Mute TX0 Audio]:	ON / OFF
[Mute TX1 Audio]:	ON / OFF
[HDCP]:	AUTO / 1.4
[CEC]:	ON / OFF
[CEC LA]:	0-Video [0x0E] / 1-Audio [0x05]
[ARC HBR]:	ON/OFF
[Baud Rate]:	1-19200 / 2-57600 / 3-115200 / 0-9600
[DHCP] :	ON/OFF
[Analog Volume] :	0 [-30 / +10]
[Analog Bass]:	0 [-10 / +10]
[**Analog Treble**]:	0 [-10 / +10]

RX OLED Menu

EDID MODE				
CUSTOM	COPY TX1	COPY TX0	AUTOMIX	FIXED

EDID ALGO				
4-MAX ALL	0-NORMAL	1-MAX AUDIO	PRIO TX0	PRIO TX1

SCALE MODE		
NONE	AUTO	CUSTOM

MUTE TX0 AUDIO	
ON	OFF

MUTE TX1 AUDIO	
ON	OFF

HDCP	
AUTO	1.4

CEC	
ON	OFF

CEC LA	
0-VIDEO [0x0E]	1-AUDIO [0x05]

ARC HBR	
ON	OFF

BAUD RATE			
1-19200	2-57600	3-115200	4-9600

DHCP	
ON	OFF

ANALOG VOLUME
0 [-30/+10]

ANALOG BASS
0 [-10/+10]

ANALOG TREBLE
0 [-10/+10]
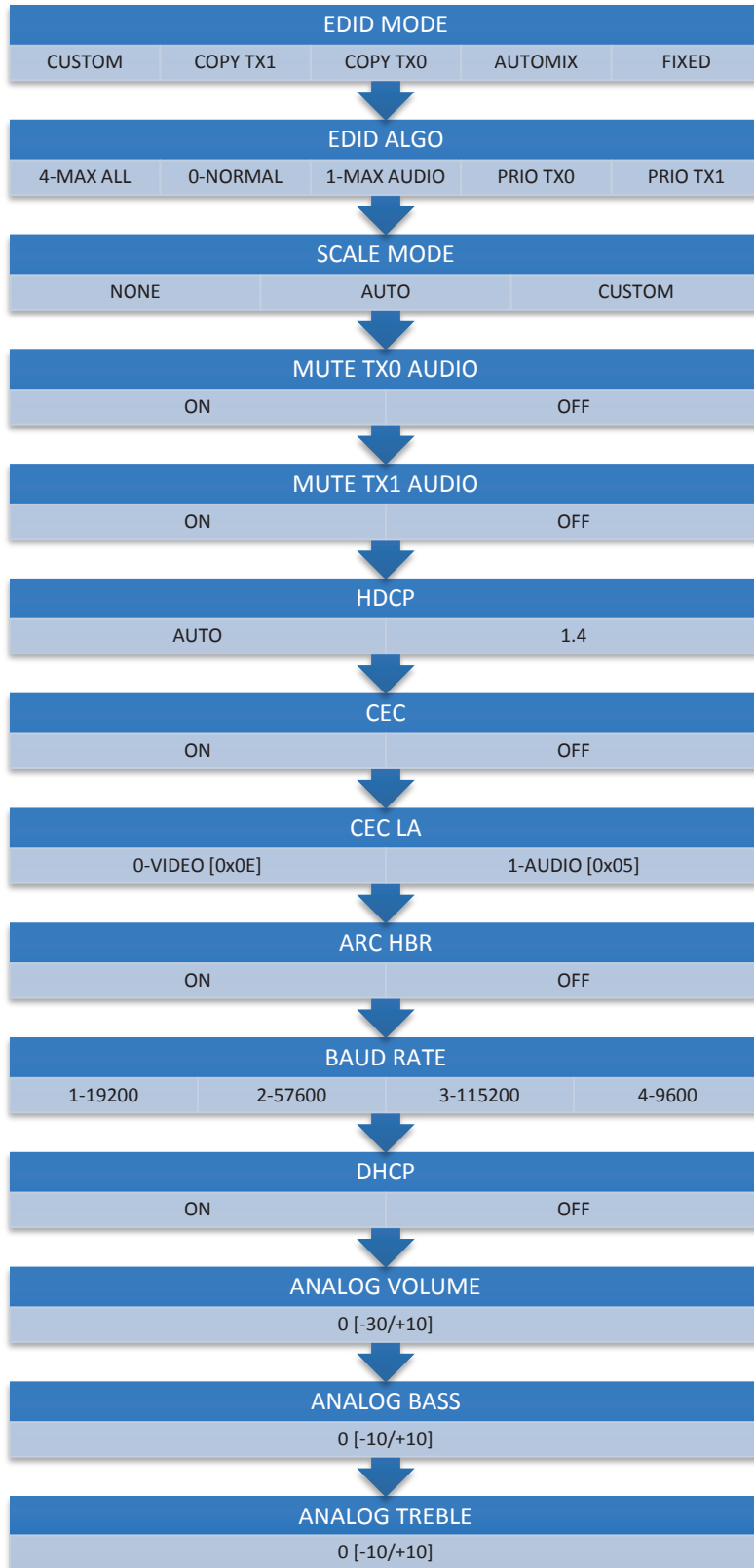
MENU TOGG

Press MENU once to enter Maestro RX OLED Menu. Once you are in Maestro RX OLED Menu press the same menu to TOGGLE choice

OUTO UP

Once you are in the Maestro RX OLED Menu. Press the UP button to navigate upward.

OUT1 DOWN

Once you are in the Maestro RX OLED Menu. Press DOWN button to navigate downward

INFO EXIT

To EXIT the Maestro RX OLED Menu. Press EXIT button or let menu idle for a while and it will EXIT automatically.

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oneAV.eu

[EDID Mode]:	Custom / Copy TX1/Copy TX0/Automix/Fixed
[EDID Algo]:	4-Max All / 0-Normal / 1-Max Audio / Prio TX0 / Prio TX1
[SCALE Mode]:	None / Auto / Custom
[Audio Return]:	Jack / ARC
[Mute TX0 Audio]:	ON / OFF
[Mute TX1 Audio]:	ON / OFF
[HDCP]:	AUTO / 1.4
[CEC]:	ON / OFF
[CEC LA]:	0-Video [0x0E] / 1-Audio [0x05]
[ARC HBR]:	ON/OFF
[Baud Rate]:	1-19200 / 2-57600 / 3-115200 / 0-9600
[DHCP] :	ON/OFF
[Analog Volume] :	0 [-30 / +10]
[Analog Bass]:	0 [-10 / +10]
[Analog Treble]:	0 [-10 / +10]

Accessing TX Web Server

It is mandatory for accessing Maestro TX web server to have an Ethernet cable connected between TX LAN CONTROL RJ45 connector and your local router or switcher. Alternatively as it is a mesh network, you can connect any LAN port of either TX or RX (including HDBT IN/OUT port) to a router/switcher and everything will be connected as well. In fact, on TX you can connect two LAN devices too or share an internet connection when used standalone without RX. (ex: plug in router to HDBT out on TX and some other device to the main LAN port)
By default both Maestro TX and RX use DHCP to retrieve an assigned IP automatically. You can set static IP for TX or RX device directly from their respective webserver config page.

In case you have setup a wrong Static IP and unit is not reachable anymore, you can set DHCP ON from OLED menu to retrieve access via dynamically assigned IP again (as in default mode).

There is 3 ways of accessing the TX web server:

1. **Universal way through IP address**:
   Simply open up a web browser on any devices located on the same network than the TX unit and type in the IP address that appears on the TX OLED directly in the address bar of your web browser. (ex: 192.168.1.137)

2. **Hostname access**:
   Instead of typing IP address directly, you can use the Hostname listed on TX OLED LAN INFO page (press INFO button to cycle OLED page till you see LAN INFO and Hostname listed).
   Simply open up a web browser from any devices located on the same network than the TX unit and type in the Hostname that appears on the TX OLED directly in the address bar of your web browser. (ex: http://MAESTRO-XX/)
   XX represents the 2 last digits of your Maestro TX unit unique serial number.

3. **mDNS access**:
   For iOS/MAC devices, you might want to use mDNS access. Retrieve the mDNS address from TX OLED LAN INFO page (press INFO button to cycle OLED page till you see LAN INFO and mDNS address listed). Simply open up a web browser on any MAC/iOS devices located on the same network than the TX unit and type in the mDNS address that appears on the TX OLED directly in the address bar of your web browser. (ex: http://MAESTRO-XX.local/)
   XX represents the 2 lasts digits of your Maestro TX unit unique serial number.

Please note that only IP address access is universal and should work across any web browser based devices as long as they are located on the same network. Others methods should work just fine in many cases but we cannot guarantee that they will always do, in case of issue accessing the webserver, please use IP address.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

Accessing RX Web Server

It is mandatory for accessing Maestro RX web server to have an Ethernet cable connected between TX LAN CONTROL RJ45 connector and your local router or switcher and to have HDBT link between TX and RX unit (via CAT6A or superior). Alternatively as it is a mesh network, you can connect any LAN port of RX to a router/switcher and TX will be connected as well. By default both Maestro TX and RX use DHCP to retrieve an assigned IP automatically. You can set static IP for TX or RX device directly from their respective webserver config page.

In case you have setup a wrong Static IP and unit is not reachable anymore, you can set DHCP ON from OLED menu to retrieve access via dynamically assigned IP again (as in default mode).

There is 3 ways of accessing the RX web server:

1. **Universal way through IP address**:
   Press INFO button to cycle OLED page till you see LAN INFO and IP address listed.
   Simply open up a web browser on any devices located on the same network than the TX unit and type in the IP address that appears on the RX OLED directly in the address bar of your web browser. (ex: 192.168.1.142)

2. **Hostname access:**
   Instead of typing IP address directly, you can use the Hostname listed on RX OLED LAN INFO page (press INFO button to cycle OLED page till you see LAN INFO and Hostname listed).
   Simply open up a web browser from any devices located on the same network than the TX unit and type in the Hostname that appears on the RX OLED directly in the address bar of your web browser. (ex: http://MAESTRORX-XX/)
   XX represents the 2 last digits of your Maestro RX unit unique serial number.

3. **mDNS access**:
   For iOS/MAC devices, you might want to use mDNS access. Retrieve the mDNS address from RX OLED LAN INFO page (press INFO button to cycle OLED page till you see LAN INFO and mDNS address listed). Simply open up a web browser on any MAC/iOS devices located on the same network than the TX unit and type in the mDNS address that appears on the RX OLED directly in the address bar of your web browser. (ex: http://MAESTRORX-XX.local/)
   XX represents the 2 last digits of your Maestro RX unit unique serial number.

Please note that only IP address access is universal and should work across any web browser based devices as long as they are located on the same network. Others methods should work just fine in many cases but we cannot guarantee that they will always do, in case of issue accessing the webserver, please use IP address.

Disclaimer: 3rd party and/or custom firmware providing extra features are not covered in this manual.

TX Web Server Top section

Immediately upon accessing the webserver you will end up on the default INFO page with the above top tier section displayed.

From that top tier section you will be able to retrieve the following information (also displayed on TX OLED default page and once you cycle info page with INFO button to reach LAN page info).
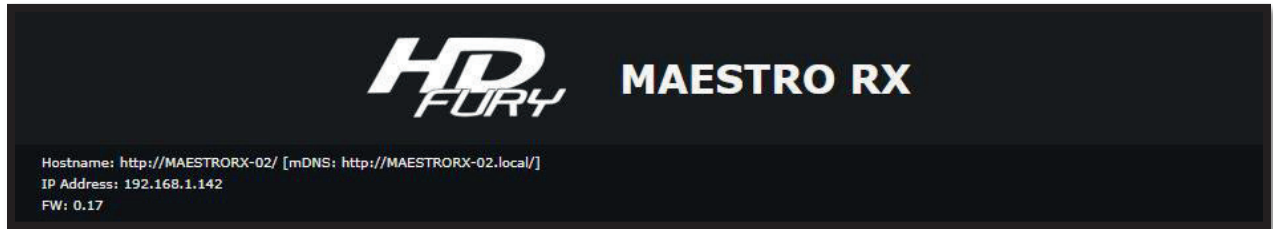
Hostname: Display Maestro TX hostname for URL access

mDNS: Display Maestro TX mDNS for URL access

IP Address: Display the current IP Address of the Maestro TX

FW: Display the current FW running on the Maestro TX.

RX Web Server Top section

Immediately upon accessing the webserver you will end up on the default INFO page with the above top tier section displayed.

From that top tier section you will be able to retrieve the following information (also displayed on RX OLED default page and once you cycle info page with INFO button to reach LAN page info).

Hostname: Display Maestro RX hostname for URL access

mDNS: Display Maestro RX mDNS for URL access

IP Address: Display the current IP Address of the Maestro RX

FW: Display the current FW running on the Maestro RX.

TX Web Server INFO Section

SOURCE: When available, Display active source name currently outputting thru TX0 or TX1 output.

IN TX0/IN TX1: Display the source name original video signal going thru TX0 or TX1 output.

VIDEO TX0/TX1: Display the real video signal (if any operation on it) going out thru TX0 or TX1 output.

AUDIO TX0/TX1: Display the audio signal info going out thru TX0 or TX1 output.

EDID TX0/TX1: Display the EDID max capabilities of any connected sink at TX0 or TX1 output.

PORT SELECTOR: Allow you to select which input is routed to TX0 or TX1 output.

REFRESH: Refresh the current page.

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RX Web Server INFO Section

INFO	EDID	SCALER	HDR/DV	OSD	CEC	CONFIG

SOURCE:	MSFT Xbox One
RX:	4K59.93 593MHz CR RGB 8b HDR
TX0:	4K59.93 593MHz RGB 8b HDR
TX1:	
AUD:	L-PCM 48kHz 2.0ch 16bit
TX0 EDID:	Panasonic-TV EDID: 4K60 444
TX1 EDID:	EDID not available

INFO STATUS OK   Refresh

SOURCE: When available, Display active source name currently outputting thru TX0 or TX1 output.

RX: Display the current active input signal received from the Maestro TX

TX0: Display the real video signal (if any operation on it) going out thru TX0 output.

TX1: Display the real video signal (if any operation on it) going out thru TX1 output.

AUD: Display the audio signal info from the current active input signal from the Maestro TX.

EDID TX0/TX1: Display the EDID max capabilities of any connected sink at TX0 or TX1 output.

REFRESH: Refresh the current page.

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TX Web Server EDID Section

[COPY TX0 SINK]: Use EDID from the device connected at TX0 output.
[COPY TX1 SINK]: Use EDID from TX1 output (HDBT output defined by RX EDID rules).
[FIXED EDID]: Use a 4K60 4:2:0 8b 300MHz 2ch Audio EDID.

[CUSTOM]: Define individual EDID for each input from a list of 10 custom and 90 predefined EDID.

[AUTOMIX]: Use dynamic EDID created by a choice of 5 EDID Algo and 13 EDID Flags.

[DOWNLOAD ACTIVE EDID TABLES]: Download any EDID from any inputs or outputs.

[UPLOAD EDID TABLES]: Select an EDID file and a Custom EDID Table# click SEND EDID to upload it.

[REFRESH]: Refresh the current page.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

RX Web Server EDID Section

[COPY TX0 SINK]: Use EDID from the device connected at TX0 output.
[COPY TX1 SINK]: Use EDID from the device connected at TX1 output.
[FIXED EDID]: Use a 4K60 4:2:0 8b 300MHz 2ch Audio EDID.

[CUSTOM]: Define individual EDID for the HDBT input from a list of 10 custom and 90 predefined EDID.

[AUTOMIX]: Use dynamic EDID created by a choice of 5 EDID Algo and 13 EDID Flags.

[DOWNLOAD ACTIVE EDID TABLES]: Download any EDID from input or outputs.

[UPLOAD EDID TABLES]: Select an EDID file and a Custom EDID Table# click SEND EDID to upload it.

[REFRESH]: Refresh the current page.

Note: Download RX option could be useful if for example you want to double check the build capabilities of an Automix EDID in your setup. Download TX option allow you to sniff the EDID from the sink device connected to the HDMI or HDBT output port of your Maestro TX/RX unit.

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List of Custom EDID available.

User can select an EDID from all below EDID tables or force the creation of an Automix EDID with below options.

[FIXED EDID with L/R stereo]
This mode is a 4K60 4:2:0 8b 300MHz stereo EDID table. It can be used as a security EDID to ensure a picture in every setup/situation. (Except for FHD and 4K30 Max sink device)

[CUSTOM USE]
Pick and use EDID from a selection of preloaded EDID tables or load any EDID bank of your choice. By default the selected EDID table is a 4K60 4:4:4 600MHz with Full Audio capabilities. When you select an EDID bank from the dropdown list of 100 different EDID tables available, there is nothing else to do, once you click one, the EDID of your choice will be loaded and HPD events will reset the signal to present your selected EDID automatically. Each input can have an individual EDID assigned.

1. CUSTOM 1 [Default FULL no DV] + Full Sound + 3D
2. CUSTOM 2 [FULL + LG DV] + Full Sound + 3D
3. CUSTOM 3 [FULL + VIZIO DV] + Full Sound + 3D
4. CUSTOM 4 [Q9FN ALLM VRR HDR10+] + Full Sound + 3D
5. CUSTOM 5 [SONY A1 LLDV V2] + Full Sound + 3D
6. CUSTOM 6 [LG35C7 DV V1] + Full Sound + 3D
7. CUSTOM 7 [VIZIO M50E1 DV V0] + Full Sound + 3D
8. CUSTOM 8
9. CUSTOM 9
10. CUSTOM 10
11. 4K60-444 600MHz HDR BT2020 All Sound
12. 4K60-444 600MHz HDR BT2020 SPDIF
13. 4K60-444 600MHz HDR BT2020 Stereo
14. 4K60-444 600MHz BT2020 All Sound
15. 4K60-444 600MHz BT2020 SPDIF
16. 4K60-444 600MHz BT2020 Stereo
17. 4K60-444 600MHz All Sound
18. 4K60-444 600MHz SPDIF
19. 4K60-444 600MHz Stereo
20. 4K50-444 600MHz HDR BT2020 All Sound
21. 4K50-444 600MHz HDR BT2020 SPDIF
22. 4K50-444 600MHz HDR BT2020 Stereo
23. 4K50-444 600MHz BT2020 All Sound
24. 4K50-444 600MHz BT2020 SPDIF
25. 4K50-444 600MHz BT2020 Stereo
26. 4K50-444 600MHz All Sound
27. 4K50-444 600MHz SPDIF
28. 4K50-444 600MHz Stereo
29. 4K60-420 12bit HDR BT2020 All Sound
30. 4K60-420 12bit HDR BT2020 SPDIF
31. 4K60-420 12bit HDR BT2020 Stereo
32. 4K60-420 12bit BT2020 All Sound

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33. 4K60-420 12bit BT2020 SPDIF
34. 4K60-420 12bit BT2020 Stereo
35. 4K60-420 12bit All Sound
36. 4K60-420 12bit SPDIF
37. 4K60-420 12bit Stereo
38. 4K60-420 8-bit 300MHz HDR BT2020 All Sound
39. 4K60-420 8-bit 300MHz HDR BT2020 SPDIF
40. 4K60-420 8-bit 300MHz HDR BT2020 Stereo
41. 4K60-420 8-bit 300MHz BT2020 All Sound
42. 4K60-420 8-bit 300MHz BT2020 SPDIF
43. 4K60-420 8-bit 300MHz BT2020 Stereo
44. 4K60-420 8-bit 300MHz All Sound
45. 4K60-420 8-bit 300MHz SPDIF
46. 4K60-420 8-bit 300MHz Stereo
47. 4K30-444 300MHz HDR BT2020 All Sound
48. 4K30-444 300MHz HDR BT2020 SPDIF
49. 4K30-444 300MHz HDR BT2020 Stereo
50. 4K30-444 300MHz BT2020 All Sound
51. 4K30-444 300MHz BT2020 SPDIF
52. 4K30-444 300MHz BT2020 Stereo
53. 4K30-444 300MHz All Sound
54. 4K30-444 300MHz SPDIF
55. 4K30-444 300MHz Stereo
56. 4K30-RGB 300MHz HDR BT2020 ALL audio
57. 4K30-RGB 300MHz HDR BT2020 SPDIF
58. 4K30-RGB 300MHz HDR BT2020 Stereo
59. 4K30-RGB 300MHz BT2020 ALL audio
60. 4K30-RGB 300MHz BT2020 SPDIF
61. 4K30-RGB 300MHz BT2020 Stereo
62. 4K30-RGB 300MHz ALL audio
63. 4K30-RGB 300MHz SPDIF
64. 4K30-RGB 300MHz Stereo
65. 4K24-422 12-bit HDR BT2020 All Sound
66. 4K24-422 12-bit HDR BT2020 SPDIF
67. 4K24-422 12-bit HDR BT2020 Stereo
68. 4K24-422 12-bit BT2020 All Sound
69. 4K24-422 12-bit BT2020 SPDIF
70. 4K24-422 12-bit BT2020 Stereo
71. 4K24-422 12-bit All Sound
72. 4K24-422 12-bit SPDIF
73. 4K24-422 12-bit Stereo
74. 1080p60-444 12-bit HDR BT2020 All Sound
75. 1080p60-444 12-bit HDR BT2020 SPDIF
76. 1080p60-444 12-bit HDR BT2020 Stereo
77. 1080p60-444 12-bit BT2020 All Sound
78. 1080p60-444 12-bit BT2020 SPDIF
79. 1080p60-444 12-bit BT2020 Stereo
80. 1080p60-444 12-bit All Sound

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81. 1080p60-444 12-bit SPDIF
82. 1080p60-444 12-bit Stereo
83. 1080p24-444 12-bit HDR BT2020 All Sound
84. 1080p24-444 12-bit HDR BT2020 SPDIF
85. 1080p24-444 12-bit HDR BT2020 Stereo
86. 1080p24-444 12-bit BT2020 All Sound
87. 1080p24-444 12-bit BT2020 SPDIF
88. 1080p24-444 12-bit BT2020 Stereo
89. 1080p24-444 8-bit All Sound
90. 1080p24-444 8-bit SPDIF
91. 1080p24-444 8-bit Stereo
92. 1080i60-444 8-bit All Sound
93. 1080i60-444 8-bit SPDIF
94. 1080i60-444 8-bit Stereo
95. 720p60-444 8-bit All Sound
96. 720p60-444 8-bit SPDIF
97. 720p60-444 8-bit Stereo
98. 480p60-444 8-bit All Sound
99. 480p60-444 8-bit SPDIF
100. 480p60-444 8-bit Stereo

[Automix Mode]:
Create EDID based on mutual capabilities from sinks connected at output so it will always show a picture and audio (ideal for pass thru). Some Flags can be checked or unchecked so you can force and override some parameters to match your needs. Ex: If your TV is stereo and your AVR full sound and both are connected to each Maestro TX or RX outputs port, then depending of the algo in use, for some of them at least, by default, Automix will report Stereo as sound capabilities, by checking Full Audio flag you will force Automix to always report Full Audio no matter the real sound capabilities of the connected sink devices.

Enforceable flags available in Automix mode:
AUDIO Flags: 2.0 Stereo, 5.1 Multi, 7.1 Full Sound, Native, TX1
HDR Flags: HDR10+, HLG
COLOR Flags: BT.2020/xvYcc, YCbCr Remove, 3D Remove
DV Flags: DV Force Metadata, DV Remove, DV Limit 300MHz

[2.0 Stereo]: Force the mixed EDID to present stereo sound capabilities.
[5.1 Multi]: Force the mixed EDID to present 5.1 multi-channel sound capabilities.
[7.1 Full]: Force the mixed EDID to present Full 7.1 sound capabilities.
[Native]: Force the mixed EDID to present the setup native sound capabilities (best of HDBT and TX1).
[TX1]: Force the mixed EDID to present the max audio capabilities from sink at TX1 output.
[HDR 10+]: Force the mixed EDID to present HDR10+ support.
[HLG]: Force the mixed EDID to present the HLG support.
[2020/xvYCC]: Force the mixed EDID to present BT2020 and xvYCC support.
[no YCbCr]: Force the mixed EDID to present no support for YCbCr (useful to force RGB).
[no 3D]: Force the mixed EDID to present no support for 3D.
[DV Force Metadata]: Force the mixed EDID to present Dolby Vision support.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

[DV Remove]: Force the mixed EDID to present no support for Dolby Vision.
[DV Limit 300MHz]: Force the mixed EDID to only present support for Dolby Vision at 300MHz.

Selectable algorithms available in Automix mode:
-Min Mixed Capabilities
-Max Audio/Min Video
-TX0 Output Priority
-TX1 Output Priority
-Max Audio/Max Video

Note: All options are also available via IR or RS232

TX Web Server SCALER Section

[No Scaling]: Set your unit to **No Scaling** for the signal to pass-through untouched

[Custom Scaling]: Set your Maestro TX unit to **Custom Scaling** to manually define the scaling parameters.
You can select between various type of resolutions, color space and deep color settings for TX0 upscale output port.

Available Color Space options: Follow Input (default), RGB FULL, RGB BT2020, 4:4:4 BT.709, 4:4:4 BT2020, 4:2:2 BT.709, 4:2:2 BT2020, 4:2:0 BT.709, 4:2:0 BT2020.
Available Deep Color options: Follow Input (default), 8-bit/24-bit, 10-bit/30-bit, 12-bit/36-bit, 16-bit/48-bit
Available 1080P60 Upscale options: SCALE to 4K60, REMAIN 1080P60
Available 1080P30 Upscale options: SCALE to 4K30, REMAIN 1080P30

[SEND]: Upload your custom scaling changes to the Maestro TX unit.

[Auto Scaling]: Set your unit to **Auto Scaling** to use automatic pre-sets for TX0 (Default setting)

[NO UPSCALING]: By default when using Auto Scaling, Maestro TX will upscale TX0 when possible, to disable this behavior or to let the sink/display performs the upscaling, you can check this option.

[REFRESH]: Refresh the current page.

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RX Web Server SCALER Section

[No Scaling]: Set your unit to **No Scaling** for the signal to pass-through untouched

[Custom Scaling]: Set your Maestro RX unit to **Custom Scaling** to manually define the scaling parameters.
You can select between various type of resolutions, color space and deep color settings for both the upscale TX0 and downscale TX1 output ports.

Available Color Space options: Follow Input (default), RGB FULL, RGB BT2020, 4:4:4 BT.709, 4:4:4 BT2020, 4:2:2 BT.709, 4:2:2 BT2020, 4:2:0 BT.709, 4:2:0 BT2020.
Available Deep Color options: Follow Input (default), 8-bit/24-bit, 10-bit/30-bit, 12-bit/36-bit, 16-bit/48-bit
Available 1080P60 Upscale options: SCALE to 4K60, REMAIN 1080P60

Disclaimer: *3ʳᵈ party and/or custom firmware providing extra features are not covered in this manual.*

Available 1080P30 Upscale options: SCALE to 4K30, REMAIN 1080P30
Available 4K60 Downscale options: REMAIN 4K60, SCALE to 1080P60
Available 4K30 Downscale options: SCALE to 4K30, SCALE to 1080P30

[SEND]: Upload your custom scaling changes to the Maestro RX unit.

[Auto Scaling]: Set your unit to **Auto Scaling** to use automatic pre-sets for TX1. By default unit will use auto-sense.

[TX1 4K60 SDR PRESET]: This forces any 4K50 or 4K60 input to come out as 4K60 420 8bit 300MHz or 1080p60 444 12-bit or 1080p60 444 8-bit. A neat profile for people who only have a 300MHz display with 4K60 420 8-bit support or older HDMI revision equipment that only support 1080p (deep color or not). If EDID allows the player to send HDMI 2.0 formats, they will be accepted by the display due to Maestro RX scaling/chroma changes.

[TX1 4K60 HDR PRESET]: This forces 4K50 and 4K60 422 HDR input to come out as 4K60 420 12-bit, 4k60 420 8-bit 300MHz or 1080p60 444 12-bit or 1080p60 444 8-bit. A neat profile for people who only have a 300MHz display with 4K60 420 10 or 8-bit support. If EDID allows the player to send HDMI 2.0 formats, such as all HDR modes, they will be accepted by the display due to Maestro RX scaling/chroma changes.

[TX1 4K30 PRESET]: This forces any 4K24/25/30 to come out as 4K24/25/30 444/RGB 8-bit 300MHz, 1080p30 444 12-bit or 4K24/25/30 422 12-bit 300MHz. A neat profile if you have a 300MHz display. If EDID allows the player to send HDMI 2.0 formats, they will be accepted by the display due to Maestro RX scaling/chroma changes.

[TX0 NO UPSCALING]: By default when using Auto Scaling, Maestro RX will upscale TX0 when possible, to disable this behavior or to let the sink/display performs the upscaling, you can check this option.

[REFRESH]: Refresh the current page.

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TX Web Server HDR/DV Section

| INFO | EDID | SCALER | HDR/DV | OSD | CEC-RS232 | MACROS | CONFIG |

CAPTURED INPUT HDR METADATA:

`87:01:1A:B0:02:00:C2:33:C4:86:4C:1D:B8:0B:D0:84:80:3E:13:3D:42:40:A0:0F:32:00:E8:03:90:01:00`

EOTF 2: SMPTE ST 2084 [PQ], MT: DCI-P3, WP: D65
GRN: 13250, 34500 [0.265, 0.69]
BLU: 7500, 3000 [0.15, 0.06]
RED: 34000, 16000 [0.68, 0.32]
WP: 15635, 16450, [0.3127, 0.329]
Max/Min Lum: 4000 / 0.005 nits
MaxCLL/FALL: 1000 / 400 nits

HDR METADATA GENERATOR:

- ☐ Use custom HDR for TX0 and TX1 [ignore RX HDR]
- ☐ Use custom HDR for TX0 and TX1 when input is HDR10 [ignore RX HDR]
- ☐ Use custom HDR for TX0 and TX1 when input is HLG [ignore RX HDR]
- ☐ Use custom HDR for TX0 and TX1 when input is HLG and display has no HLG support
- ☐ Disable output HDR for TX0 and TX1 when input is HDR10
- ☐ Disable output HDR for TX0 and TX1 when input is HLG
- ☐ Disable all output HDR [send nothing]

| EOTF: | SMPTE ST 2084 ▾ | Primaries: | DCI P3 ▾ | WP: | D65 ▾ |

Max Luminance [nits]:	4000
Min Luminance [nits]:	0,0001
MaxCLL [nits]:	1000
MaxFALL [nits]:	400

`87:01:1a:b0:02:00:c2:33:c4:86:4c:1d:b8:0b:d0:84:80:3e:13:3d:42:40:a0:0f:32:00:e8:03:90:01:00`

[Create IF] [Send HDR]

CAPTURED AVI METADATA:

`82:02:0D:D6:10:28:00:61:00:00:00:00:00:00:00:00`

VIC: 97 / 0x61
Colorimetry: RGB
Quantization range: Default / Not specified

CUSTOM AVI METADATA GENERATOR:
- ☐ Use custom AVI [for advanced users only]
- ☐ Disable AVI sending [send nothing]

| VIC: | 4k60 ▾ | Primaries: | RGB ▾ | Range: | Default / Not specified ▾ |

`82:02:0d:ae:40:c0:60:61:00:00:00:00:00:00:00:00`

[Create IF] [Send AVI]

CAPTURED INPUT DOLBY VISION METADATA [from source]:

DOLBY VISION EDID DATABLOCK [sink tx0]:

OTHER CAPTURED METADATA:

SPD INFOFRAME:	`83:01:19:3E:4D:53:46:54:00:00:00:00:58:62:6F:78:20:4F:6E:65:00:00:00:00:00:00:00:00:00:08:00:00`
AUD INFOFRAME:	`84:01:0A:70:01:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00`
HVS INFOFRAME:	
VSI INFOFRAME:	
HFV INFOFRAME:	

IF STATUS OK   [Refresh]

[CAPTURED HDR METADATA]: If the source at input is sending HDR InfoFrame metadata then the information is captured, extracted and displayed in this text box. HDR metadata is also deciphered and displayed in human readable format.

[CUSTOM HDR METADATA GENERATOR]: This section will allow you to create your own custom HDR metadata and inject it on the current signal by adding it or replacing the existing HDR metadata.

[Use custom HDR for TX0 and TX1]: Unchecked by default, once activated it will turn ON the HDR mode of any HDR display. Upon clicking **Use custom HDR for TX0 and TX1** the **CUSTOM HDR IF** that is defined by dropdowns and input fields below and then created **[Create IF]** and displayed in the text box in HEX format gets sent. This way you can define what the InfoFrame actually is. This is stored also in Maestro TX and is persistent over hot-plugs and power cycles. If incoming signal is already HDR, the original HDR metadata that comes with will be ignored **[ignore RX HDR]**.

[Use custom HDR for TX0 and TX1 when input is HDR10]: Unchecked by default, once activated it will turn ON the HDR mode of any HDR display only if incoming signal is already HDR, the original HDR metadata that comes with will be ignored **[ignore RX HDR]**.

[Use custom HDR for TX0 and TX1 when input is HLG]: Unchecked by default, once activated it will turn ON the HDR/HLG mode of any HDR/HLG display only if incoming signal is already HLG, the original HLG metadata that comes with the input signal will be ignored **[ignore RX HLG]**. Ex: render HLG content on HDR display.

[Use custom HDR for TX0 and TX1 when input is HLG and display has no HLG support]: Unchecked by default, once activated it will turn ON the HDR mode of any HDR/HLG display only if incoming signal is already HLG and TV have no support for it. Ex: If two TVs are connected and one if HLG and other non-HLG. Then if you turn off the HLG TV the metadata will be automatically changed.

[Disable output HDR for TX0 and TX1 when input is HDR10]: Unchecked by default, once activated Maestro TX will intercept and cancel all incoming HDR10 metadata, HLG metadata will still pass-thru.

[Disable output HDR for TX0 and TX1 when input is HLG]: Unchecked by default, once activated Maestro TX will intercept and cancel all incoming HLG metadata, HDR10 metadata will still pass-thru.

[Disable all output HDR]: Unchecked by default, once activated Maestro TX will intercept and cancel all incoming HDR metadata. **[send nothing]**

<u>Note:</u> Disable HDR modes was introduced to allow some JVC PJ owners to apply their own Gamma curves for HDR content and allow their PJ Dynamic Iris to work when content is HDR and/or HLG. They can be used with others display that allow custom Gamma Curve to be applied on incoming signal or to boost nits value for some LG TVs or to render HLG content on HDR display, etc..

[EOTF]: Select between **SDR Luminance Range**, **HDR Luminance Range, HLG ITU-R BT.2100-0** or **SMPTE ST 2084** values to be used in the custom HDR metadata creation.

[Primaries]: Select between **DCI P3, ITU-R BT 709-5** or **ITU-R BT2020-2** values to be used in the custom HDR metadata creation.

Disclaimer: 3rd *party and/or custom firmware providing extra features are not covered in this manual.*

[White Point]: Select the white point value to be used in the custom HDR metadata creation.

[Max Luminance]: Select the Max Luminance value to be used in the custom HDR metadata creation (valid from 1 to 65535)

[MaxCLL]: Select the MaxCLL value to be used in the custom HDR metadata creation (valid from 1 to 65535)

[Min Luminance]: Select the Min Luminance value to be used in the custom HDR metadata creation (valid from 1 to 65535)

[MaxFALL]: Select the MaxFALL value to be used in the custom HDR metadata creation (valid from 1 to 65535)

[Create IF]: Use the previous defined values to create the Custom HDR metadata.

[Send HDR]: Send the custom created HDR metadata. Please note that **Enable Custom HDR** or any Custom HDR modes must be activated first, to stop the sending of the custom HDR metadata, uncheck **Enable Custom HDR.** If **Enable Custom HDR** is activated then by pressing the **Send HDR** button, the metadata injection does not stop, it just changes values, useful to avoid TV resync.

[Default Value]: Restore the default HEX value of the custom HDR metadata.

[CAPTURED AVI METADATA]: If the source is sending AVI infoFrame then the information is captured, extracted and displayed in this text box on GUI. HEX value is deciphered and VIC, Colorimetry and Range are exposed in human readable format.

[CUSTOM AVI INFOFRAME GENERATOR]: Build and send out any custom AVI Infoframe of your choice.

[Use custom AVI]: Upon clicking **Use custom AVI**, the IF that is defined in the Custom AVI text box gets used. This way you can define what the InfoFrame actually is. This is stored also in Maestro TX and is persistent over hotplugs and power cycles. This way customer can for example activate BT2020 mode in the TV even though content doesn't sent the correct InfoFrame. The AVI mod is really meant for advanced users only because incorrect values can blank the screen and since the settings are saved even power up won't help until reset.

[Disable AVI]: When checked, Disable AVI will prevent AVI InfoFrame from source to reach the connected sink at Maestro TX/RX output and also stop sending Custom AVI if set previously. This feature can be useful for some DVI display or some monitor that do not work well when receiving an AVI InfoFrame.

 [VIC]: Select the VIC code to use in the Custom AVI Hex field.

[Primaries]: Select the Primaries value to use in Custom AVI Hex field

[Range]: Select the range value to use in the Custom AVI Hex field.

[Create IF]: Use the previous defined values to create the Custom AVI metadata.

Disclaimer: 3*rd* *party and/or custom firmware providing extra features are not covered in this manual.*

[Send AVI]: Replaces the current incoming AVI with the custom defined one in the text box. This way customer can for example activate BT2020 mode in the TV even though content doesn't sent the correct InfoFrame. This string is also saved in Maestro TX and is persistent over hotplugs and power cycles. The AVI mod is really meant for advanced users only because incorrect values can blank the screen and since the settings are saved even power up won't help until reset. Please note that upon clicking, **Use Custom AVI** will automatically send the current stored AVI metadata value, to stop the sending of the custom AVI infoframe, uncheck **Use Custom AVI.** If **Use Custom AVI** is activated then by pressing the **Send AVI** button, the infoframe injection does not stop, it just changes values, useful to avoid TV resync.

[CAPTURED INPUT DOLBY VISION METADATA]: Dolby ID and HEX data from the DV source.

[DOLBY VISION EDID DATABLOCK]: Maestro TX will automatically sniff, display and save any Dolby Vision mandatory string from a connected sink at TX0 output. Once stored, this mandatory string can be used in Automix to ensure that the DV stream from the source is compatible with the sink. Once the DV string of a display is saved, you can insert other equipment like an AVR in between in the chain and still have the right DV signal passthru to the sink. Additionally, the datablock value is fully deciphered in human readable format.

[SPD INFOFRAME]: Display the captured Source Product InfoFrame.

[AUD INFOFRAME]: Display the captured Audio Format information, if PCM this usually gives the sample rate and number of speakers, if bitstream then usually this infoframe just inform the default which is "refer stream header".

[HVS INFOFRAME: HDMI VENDOR SPECIFIC]: Display HDMI Vendor Specific InfoFrame.

[VSI INFOFRAME: VENDOR SPECIFIC]: Display HDMI2.0 version of HDMI VSIF

[HFV INFOFRAME: HDMI FORUM VSIF]: If the source is sending Vendor Specific Infoframe then the information is captured, extracted and displayed in this text box on GUI.

[REFRESH]: Refresh the current page.

Disclaimer: *3*[rd] *party and/or custom firmware providing extra features are not covered in this manual.*

RX Web Server HDR/DV Section

INFO	EDID	SCALER	HDR/DV	OSD	CEC-RS232	MACROS	CONFIG

CAPTURED INPUT HDR METADATA:

87:01:1A:B0:02:00:C2:33:C4:86:4C:1D:B8:0B:D0:84:80:3E:13:3D:42:40:A0:0F:32:00:E8:03:90:01:00

EOTF 2: SMPTE ST 2084 [PQ], MT: DCI-P3, WP: D65
GRN: 13250, 34500 [0.265, 0.69]
BLU: 7500, 3000 [0.15, 0.06]
RED: 34000, 16000 [0.68, 0.32]
WP: 15635, 16450, [0.3127, 0.329]
Max/Min Lum: 4000 / 0.005 nits
MaxCLL/FALL: 1000 / 400 nits

HDR METADATA GENERATOR:

☐ Use custom HDR for TX0 and TX1 [ignore RX HDR]
☐ Use custom HDR for TX0 and TX1 when input is HDR10 [ignore RX HDR]
☐ Use custom HDR for TX0 and TX1 when input is HLG [ignore RX HDR]
☐ Use custom HDR for TX0 and TX1 when input is HLG and display has no HLG support
☐ Disable output HDR for TX0 and TX1 when input is HDR10
☐ Disable output HDR for TX0 and TX1 when input is HLG
☐ Disable all output HDR [send nothing]

EOTF:	SMPTE ST 2084 ▾	Primaries:	DCI P3 ▾	WP:	D65 ▾

Max Luminance [nits]:	4000
Min Luminance [nits]:	0,0001
MaxCLL [nits]:	1000
MaxFALL [nits]:	400

87:01:1a:b0:02:00:c2:33:c4:86:4c:1d:b8:0b:d0:84:80:3e:13:3d:42:40:a0:0f:32:00:e8:03:90:01:00

[Create IF] [Send HDR]

CAPTURED AVI METADATA:

82:02:0D:D6:10:28:00:61:00:00:00:00:00:00:00:00

VIC: 97 / 0x61
Colorimetry: RGB
Quantization range: Default / Not specified

CUSTOM AVI METADATA GENERATOR:
☐ Use custom AVI [for advanced users only]
☐ Disable AVI sending [send nothing]

VIC:	4k60 ▾	Primaries:	RGB ▾	Range:	Default / Not specified ▾

82:02:0d:ae:40:c0:60:61:00:00:00:00:00:00:00:00

[Create IF] [Send AVI]

CAPTURED INPUT DOLBY VISION METADATA [from source]:

DOLBY VISION EDID DATABLOCK [sink tx0]:

OTHER CAPTURED METADATA:

SPD INFOFRAME:	83:01:19:3E:4D:53:46:54:00:00:00:00:58:62:6F:78:20:4F:6E:65:00:00:00:00:00:00:00:00:00:08:00:00
AUD INFOFRAME:	84:01:0A:70:01:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00
HVS INFOFRAME:	
VSI INFOFRAME:	
HFV INFOFRAME:	

IF STATUS OK   [Refresh]

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

[CAPTURED INPUT HDR METADATA]: If the source at TX input is sending HDR InfoFrame metadata via HDBT to RX unit then the information is captured, extracted and displayed in this text box. HDR metadata is also deciphered and displayed in human readable format.

[HDR METADATA GENERATOR]: This section will allow you to create your own custom HDR metadata and inject it on the current signal by adding it or replacing the existing HDR metadata.

[Use custom HDR for TX0 and TX1]: Unchecked by default, once activated it will turn ON the HDR mode of any HDR display. Upon clicking **Use custom HDR for TX0 and TX1** the **CUSTOM HDR IF** that is defined by dropdowns and input fields below and then created **[Create IF]** and displayed in the text box in HEX format gets sent. This way you can define what the InfoFrame actually is. This is stored also in Maestro TX and is persistent over hot-plugs and power cycles. If incoming signal is already HDR, the original HDR metadata that comes with will be ignored **[ignore RX HDR]**.

[Use custom HDR for TX0 and TX1 when input is HDR10]: Unchecked by default, once activated it will turn ON the HDR mode of any HDR display only if incoming signal is already HDR, the original HDR metadata that comes with will be ignored **[ignore RX HDR]**.

[Use custom HDR for TX0 and TX1 when input is HLG]: Unchecked by default, once activated it will turn ON the HDR/HLG mode of any HDR/HLG display only if incoming signal is already HLG, the original HLG metadata that comes with the input signal will be ignored **[ignore RX HLG]**. Ex: render HLG content on HDR display.

[Use custom HDR for TX0 and TX1 when input is HLG and display has no HLG support]: Unchecked by default, once activated it will turn ON the HDR mode of any HDR/HLG display only if incoming signal is already HLG and TV have no support for it. Ex: If two TVs are connected and one if HLG and other non-HLG. Then if you turn off the HLG TV the metadata will be automatically changed.

[Disable output HDR for TX0 and TX1 when input is HDR10]: Unchecked by default, once activated Maestro TX will intercept and cancel all incoming HDR10 metadata, HLG metadata will still pass-thru.

[Disable output HDR for TX0 and TX1 when input is HLG]: Unchecked by default, once activated Maestro TX will intercept and cancel all incoming HLG metadata, HDR10 metadata will still pass-thru.

[Disable all output HDR]: Unchecked by default, once activated Maestro TX will intercept and cancel all incoming HDR metadata. **[send nothing]**

<u>Note:</u> Disable HDR modes was introduced to allow some JVC PJ owners to apply their own Gamma curves for HDR content and allow their PJ Dynamic Iris to work when content is HDR and/or HLG. They can be used with others display that allow custom Gamma Curve to be applied on incoming signal or to boost nits value for some LG TVs or to render HLG content on HDR display, etc..

[EOTF]: Select between **SDR Luminance Range**, **HDR Luminance Range, HLG ITU-R BT.2100-0** or **SMPTE ST 2084** values to be used in the custom HDR metadata creation.

[Primaries]: Select between **DCI P3, ITU-R BT 709-5** or **ITU-R BT2020-2** values to be used in the custom HDR metadata creation.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

[White Point]: Select the white point value to be used in the custom HDR metadata creation.

[Max Luminance]: Select the Max Luminance value to be used in the custom HDR metadata creation (valid from 1 to 65535)

[MaxCLL]: Select the MaxCLL value to be used in the custom HDR metadata creation (valid from 1 to 65535)

[Min Luminance]: Select the Min Luminance value to be used in the custom HDR metadata creation (valid from 1 to 65535)

[MaxFALL]: Select the MaxFALL value to be used in the custom HDR metadata creation (valid from 1 to 65535)

[Create IF]: Use the previous defined values to create the Custom HDR metadata.

[Send HDR]: Send the custom created HDR metadata. Please note that **Enable Custom HDR** or any Custom HDR modes must be activated first, to stop the sending of the custom HDR metadata, uncheck **Enable Custom HDR.** If **Enable Custom HDR** is activated then by pressing the **Send HDR** button, the metadata injection does not stop, it just changes values, useful to avoid TV resync.

[Default Value]: Restore the default HEX value of the custom HDR metadata.

[CAPTURED AVI METADATA]: If the source is sending AVI infoFrame then the information is captured, extracted and displayed in this text box on GUI. HEX value is deciphered and VIC, Colorimetry and Range are exposed in human readable format.

[CUSTOM AVI INFOFRAME GENERATOR]: Build and send out any custom AVI Infoframe of your choice.

[Use custom AVI]: Upon clicking **Use custom AVI**, the IF that is defined in the Custom AVI text box gets used. This way you can define what the InfoFrame actually is. This is stored also in Maestro TX and is persistent over hotplugs and power cycles. This way customer can for example activate BT2020 mode in the TV even though content doesn't sent the correct InfoFrame. The AVI mod is really meant for advanced users only because incorrect values can blank the screen and since the settings are saved even power up won't help until reset.

[Disable AVI]: When checked, Disable AVI will prevent AVI InfoFrame from source to reach the connected sink at Maestro TX/RX output and also stop sending Custom AVI if set previously. This feature can be useful for some DVI display or some monitor that do not work well when receiving an AVI InfoFrame.

 [VIC]: Select the VIC code to use in the Custom AVI Hex field.

[Primaries]: Select the Primaries value to use in Custom AVI Hex field

[Range]: Select the range value to use in the Custom AVI Hex field.

[Create IF]: Use the previous defined values to create the Custom AVI metadata.

[Send AVI]: Replaces the current incoming AVI with the custom defined one in the text box. This way customer can for example activate BT2020 mode in the TV even though content doesn't sent the correct InfoFrame. This string is also saved in Maestro TX and is persistent over hotplugs and power cycles. The AVI mod is really meant for advanced users only because incorrect values can blank the screen and since the settings are saved even power up won't help until reset. Please note that upon clicking, **Use Custom AVI** will automatically send the current stored AVI metadata value, to stop the sending of the custom AVI infoframe, uncheck **Use Custom AVI.** If **Use Custom AVI** is activated then by pressing the **Send AVI** button, the infoframe injection does not stop, it just changes values, useful to avoid TV resync.

[CAPTURED INPUT DOLBY VISION METADATA]: Dolby ID and HEX data from the DV source.

[DOLBY VISION EDID DATABLOCK]: Maestro TX will automatically sniff, display and save any Dolby Vision mandatory string from a connected sink at TX0 output. Once stored, this mandatory string can be used in Automix to ensure that the DV stream from the source is compatible with the sink. Once the DV string of a display is saved, you can insert other equipment like an AVR in between in the chain and still have the right DV signal passthru to the sink. Additionally, the datablock value is fully deciphered in human readable format.

[SPD INFOFRAME]: Display the captured Source Product InfoFrame.

[AUD INFOFRAME]: Display the captured Audio Format information, if PCM this usually gives the sample rate and number of speakers, if bitstream then usually this infoframe just inform the default which is "refer stream header".

[HVS INFOFRAME: HDMI VENDOR SPECIFIC]: Display HDMI Vendor Specific InfoFrame.

[VSI INFOFRAME: VENDOR SPECIFIC]: Display HDMI2.0 version of HDMI VSIF

[HFV INFOFRAME: HDMI FORUM VSIF]: If the source is sending Vendor Specific Infoframe then the information is captured, extracted and displayed in this text box on GUI.

[REFRESH]: Refresh the current page.

TX Web Server OSD Section

INFO	EDID	SCALER	HDR/DV	OSD	CEC-RS232	MACROS	CONFIG

OSD SETUP: ☑ OSD ENABLE

FADE SECONDS: `60`
OSD LOCATION [X]: `20`
OSD LOCATION [Y]: `945`
OSD COLOR [FRONT]: `21`
OSD COLOR [BACK]: `0`
OSD COLOR [LEVEL]: `7`
Source Name ☑
Video Field: ☑
Video IF: ☑
HDR RX/TX Info: ☑
HDR IF: ☑
Audio Field: ☑
Rx Video Info: ☐
RX HDR info: ☐
Ignore Metadata Change: ☐

OSD MASK SETUP ☐OSD Mask Enable
OSD MASK [X]: `1`
OSD MASK [Y]: `950`
OSD MASK1 [X]: `1920`
OSD MASK1 [Y]: `1080`
OSD MASK LEVEL: `3`
OSD GRAYSCALE: `10`
[SEND]

☐OSD Text Enable ☐Never fade
OSD TEXT [X]: `20`
OSD TEXT [Y]: `20`
MAESTRO by HDFURY 2018   [Send]

OSD STATUS OK   [Refresh]

[OSD SETUP]: Enable or Disable the OSD feature of Maestro TX.

[OSD FADE]: Set the timer in seconds before OSD fade out, 0 = never (always ON)

[OSD LOCATION X, Y]: Set the X and Y value of the OSD location at 1080p, values are multiplied by 2 when the stream is 4K.

[OSD COLOR FRONT, BACK, LEVEL]: Set the Text Color [FRONT 0-31], Background Color [BACK 0-31] and Background transparency [LEVEL 0-7] for the OSD.

Disclaimer: 3rd party and/or custom firmware providing extra features are not covered in this manual.

[OSD INFO]: Select or unselect the information that must be displayed on your Maestro TX OSD. Available options are: Source name, Video Field, Video IF, HDR RX/TX info, HDR IF, Audio field, RX Video info, RX HDR info, Ignore Metadata Change.

[OSD MASK SETUP]: Enable of Disable the use of OSD Mask.

[MASK LOCATION x0,y0,x1,y1]: Defines the coordinates of the top left and bottom right corner of your OSD Mask at 1080p. Values are multiplied by 2 when the stream is 4K

[OSD MASK LEVEL]: Select the level of transparency for your OSD Mask. Value range is from 1 to 7.

[OSD GRAYSCALE]: Select the level of grayscale for your OSD Mask. Value range is from 0 to 15.

[SEND]: For any changes in the above parameters, click SEND to upload them to your Maestro TX/RX unit.

[OSD TEXT ENABLE]: Enable or disable the OSD Custom Text, once activated, the custom text defined in the text field will be displayed on screen.

[NEVER FADE]: If you want to keep the OSD Custom text even after OSD info faded away, make sure this option is enabled.

[OSD TEXT X,Y]: Set the X and Y value of the OSD Custom Text at 1080p, values are multiplied by 2 when the stream is 4K

[SEND]: For any changes in the above parameters, click SEND to upload them to your Maestro TX unit.

[REFRESH]: Refresh the current page.

RX Web Server OSD Section

INFO	EDID	SCALER	HDR/DV	OSD	CEC-RS232	MACROS	CONFIG

OSD SETUP: ☑ OSD ENABLE
FADE SECONDS: `60`
OSD LOCATION [X]: `20`
OSD LOCATION [Y]: `945`
OSD COLOR [FRONT]: `21`
OSD COLOR [BACK]: `0`
OSD COLOR [LEVEL]: `7`
Source Name ☑
Video Field: ☑
Video IF: ☑
HDR RX/TX Info: ☑
HDR IF: ☑
Audio Field: ☑
Rx Video Info: ☐
RX HDR info: ☐
Ignore Metadata
Change: ☐

OSD MASK SETUP ☐ OSD Mask Enable
OSD MASK [X]: `1`
OSD MASK [Y]: `950`
OSD MASK1 [X]: `1920`
OSD MASK1 [Y]: `1080`
OSD MASK LEVEL: `3`
OSD GRAYSCALE: `10`
[SEND]

☐ OSD Text Enable ☐ Never fade
OSD TEXT [X]: `20`
OSD TEXT [Y]: `20`
`MAESTRO by HDFURY 2018`   [Send]

OSD STATUS OK   [Refresh]

[OSD SETUP]: Enable or Disable the OSD feature of Maestro RX.

[OSD FADE]: Set the timer in seconds before OSD fade out, 0 = never (always ON)

[OSD LOCATION X, Y]: Set the X and Y value of the OSD location at 1080p, values are multiplied by 2 when the stream is 4K.

[OSD COLOR FRONT, BACK, LEVEL]: Set the Text Color [FRONT 0-31], Background Color [BACK 0-31] and Background transparency [LEVEL 0-7] for the OSD.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

[OSD INFO]: Select or unselect the information that must be displayed on your Maestro TR OSD. Available options are: Source name, Video Field, Video IF, HDR RX/TX info, HDR IF, Audio field, RX Video info, RX HDR info, Ignore Metadata Change.

[OSD MASK SETUP]: Enable of Disable the use of OSD Mask.

[MASK LOCATION x0,y0,x1,y1]: Defines the coordinates of the top left and bottom right corner of your OSD Mask at 1080p. Values are multiplied by 2 when the stream is 4K

[OSD MASK LEVEL]: Select the level of transparency for your OSD Mask. Value range is from 1 to 7.

[OSD GRAYSCALE]: Select the level of grayscale for your OSD Mask. Value range is from 0 to 15.

[SEND]: For any changes in the above parameters, click SEND to upload them to your Maestro TX/RX unit.

[OSD TEXT ENABLE]: Enable or disable the OSD Custom Text, once activated, the custom text defined in the text field will be displayed on screen.

[NEVER FADE]: If you want to keep the OSD Custom text even after OSD info faded away, make sure this option is enabled.

[OSD TEXT X,Y]: Set the X and Y value of the OSD Custom Text at 1080p, values are multiplied by 2 when the stream is 4K

[SEND]: For any changes in the above parameters, click SEND to upload them to your Maestro RX unit.

[REFRESH]: Refresh the current page.

TX Web Server CEC/RS232 Section

[ENABLE CEC] must be checked in order to apply the selected dropdown options to the Maestro TX unit. Once activated it allows Maestro TX to answer and process CEC requests and commands and appear on the TV CEC network map. Uncheck it if you do not want Maestro TX to answer external CEC requests or process Internal CEC commands. Unchecking will remove Maestro TX from the Root(TV) network map but CEC commands for connected sinks or sources will still pass-thru.

[CEC TYPE] Video Processor (Default) is the device type to choose if you have an AVR in your setup and if you want to use that AVR for ARC or CEC.

[CEC TYPE] Audio Processor is the device type to choose if you want Maestro TX ARC feature to be ON (Sound from TV ARC to Maestro TX HDMI audio out, 5.1 Optical Out or Jack Analog Stereo output.

[Enable DD+/ATMOS ARC]: If your AVR is capable of accepting more than Dolby Digital or DTS or if can take 192khz Audio via its optical input, you can use Maestro TX to extract DD+ and Atmos from TV embedded streaming APPS and forward it to your AVR via the Maestro TX HDMI audio out or optical output. Only a very few AVR on the market can support 192khz via optical in such case, use HDMI audio out to feed DD+/ATMOS to your AVR input.

[SEND CEC TEST COMMAND]: Enter the CEC command of your choice in this text field in HEX format. If you are not sure about how to format your command, we recommend you to visit the very well done cec-o-matic website made by Kwikwai.

[RS232 COMMAND]: Allow you to test RS232 command to make sure your unit is properly configured and ready to communicate via RS232.

[RS232 BAUD RATE]: Set the RS232 link speed (default 19200)

[Send Ascii]: Once RS232 command have been entered in Ascii format, use this button to send it out.

[Send Binary]: Once RS232 command have been entered in HEX/Binary, use this button to send it out.

[REFRESH]: Refresh the current page.

Note: CEC/ARC master is TX0, if you want ARC from the TV; you need to connect your TV ARC capable input to Maestro TX HDMI TX0 OUTPUT and set the unit as Audio Processor under Maestro TX CEC device type.

Note on eARC: eARC does not rely on CEC, therefor it is not needed to select any CEC options in order to extract up to Dolby Atmos HBR over TrueHD from capable eARC TV. That is always done automatically and forwarded to HDMI audio out of the Maestro TX so you can feed any AVR input with it.

RX Web Server CEC/RS232 Section

[ENABLE CEC] must be checked in order to apply the selected dropdown options to the Maestro RX unit. Once activated it allows Maestro RX to answer and process CEC requests and commands and appear on the TV CEC network map. Uncheck it if you do not want Maestro RX to answer external CEC requests or process Internal CEC commands. Unchecking will remove Maestro RX from the Root(TV) network map but CEC commands for connected sinks or sources will still pass-thru.

[CEC TYPE] Video Processor (Default) is the device type to choose if you have an AVR in your setup and if you want to use that AVR for ARC or CEC.

[CEC TYPE] Audio Processor is the device type to choose if you want Maestro RX ARC feature to be ON (Sound from TV ARC back to Maestro TX HDMI audio out, 5.1 Optical Out or Jack Analog Stereo output.

[Enable DD+/ATMOS ARC]: If your AVR is capable of accepting more than Dolby Digital or DTS or if can take 192khz Audio via its optical input, you can use Maestro TX to extract DD+ and Atmos from TV embedded streaming APPS and forward it to your AVR via the Maestro TX HDMI audio out or optical output. Only a very few AVR on the market can support 192khz via optical in such case, use Maestro TX HDMI audio out to feed DD+/ATMOS to your AVR input.

[SEND CEC TEST COMMAND]: Enter the CEC command of your choice in this text field in HEX format. If you are not sure about how to format your command, we recommend you to visit the very well done cec-o-matic website made by Kwikwai.

Note: CEC/ARC master is TX0, if you want ARC from the TV; you need to connect your TV ARC capable input to Maestro RX HDMI TX0 OUTPUT and set the unit as Audio Processor under Maestro RX CEC device type.

Note on eARC: eARC is only available from Maestro TX HDMI TX0 output.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

TX Web Server MACROS Section

| INFO | EDID | SCALER | HDR/DV | OSD | CEC-RS232 | MACROS | CONFIG |

MACRO CONTROL:
☐ ENABLE
☐ SEND ON EVERY SYNC

HDR10 MODE: Automatic (default) ▼
SYNC DELAY (secs):   20

CONTENT/CALIBRATION	PICTURE MODE	OSD NAME	CUSTOM HEX
SDR-BT709 (HDTV)	DO NOTHING ▼	SDR-TV	21:89:1:50:4d:50:4d:30:31
SDR-BT709 (Film)	DO NOTHING ▼	SDR-Film	21:89:1:50:4d:50:4d:30:32
SDR-BT2020	DO NOTHING ▼	SDR-BT2020	21:89:1:50:4d:50:4d:30:33
3D	DO NOTHING ▼	3D	21:89:1:50:4d:50:4d:30:34
x.v.Color	DO NOTHING ▼	x.v.Color	21:89:1:50:4d:50:4d:30:35
HLG-BT709	DO NOTHING ▼	HLG-BT709	21:89:1:50:4d:50:4d:30:36
HLG-BT2020	DO NOTHING ▼	HLG-BT2020	21:89:1:50:4d:50:4d:30:37
HDR10	DO NOTHING ▼	HDR10-DC4K	21:89:1:50:4d:50:4d:30:38
HDR10-Opt	DO NOTHING ▼	HDR10-DC1K	21:89:1:50:4d:50:4d:30:39
HDR10-Rec709	DO NOTHING ▼	HDR10-BT709	21:89:1:50:4d:50:4d:30:3a

CUSTOM HDR10 PROFILES:

☑ IF HDR10	Max Brightness ▼	BELOW OR EQUALS TO	0	THEN	DO NOTHING ▼
☑ IF HDR10	Max Brightness ▼	BELOW OR EQUALS TO	1100	THEN	DO NOTHING ▼
☑ IF HDR10	MaxCLL ▼	BELOW OR EQUALS TO	0	THEN	DO NOTHING ▼
☑ IF HDR10	MaxCLL ▼	BELOW OR EQUALS TO	1100	THEN	DO NOTHING ▼
☑ IF HDR10	MaxCLL ▼	BELOW OR EQUALS TO	4000	THEN	DO NOTHING ▼
☑ IF HDR10	MaxCLL ▼	BELOW OR EQUALS TO	4000	THEN	DO NOTHING ▼

☑ ELSE   THEN DO NOTHING ▼

Send Macro Values

Commands are forwarded to the local RS232 output and MAESTRO RX RS232

MACROS STATUS OK   Refresh

With the help of power users from the community, special automatic and custom macro has been developed for JVC Projectors. Kindly please refer to instructions posted here. Maestro TX/RX now allow to edit each command individually so you can instruct any RS232 capable display.

Disclaimer: 3rd party and/or custom firmware providing extra features are not covered in this manual.

TX Web Server CONFIG Section

INFO	EDID	SCALER	HDR/DV	OSD	CEC/RS232	MACROS	CONFIG

MAESTRO SETUP:

AUTOSWITCH INPUTS:	○ ON	● OFF
AUTOSWITCH PRIORITY:	● ON	○ OFF
HDCP VERSION:	○ 1.4	● Auto
HTPC MODE:	○ ON	● OFF
OLED DISPLAY:	● ON	○ OFF
ROTATE 180 DEG:	● ON	○ OFF
REVERSE COLORS:	○ ON	● OFF
OLED FADE:	[0] SEND	
MUTE TX0 AUDIO:	○ ON	● OFF
MUTE TX1 AUDIO:	○ ON	● OFF

ANALOG L/R AUDIO CONTROL:

VOLUME	[0]	[-30 to +10dB]
BASS	[0]	[-10 to +10dB]
TREBLE	[0]	[-10 to +10dB]
SEND		

SPDIF AUDIO ROUTING:

SPDIF FROM: ● MAESTRO   ○ MAESTRO RX

TEST PATTERN GENERATOR: [FOR TX0]

☐ ENABLE: [4K60 ▼]   PATTERN: [COLOR BARS ▼]   HDCP: [NONE ▼]

IP CONFIG:
Reboot required for any changes in DHCP / STATIC IP

DHCP: ● ON   ○ OFF

Current IP Configuration:
IP ADDR:	192.168.1.101
IP MASK:	255.255.255.0
IP GW:	192.168.1.1

Configure Static IP:
This address is used when DHCP is off
IP ADDR:	192.168.1.250
IP MASK:	255.255.255.0
IP GW:	192.168.1.1

SEND

MAESTRO CONTROL:

REBOOT UNIT	[REBOOT]
EXPORT CONFIG	[EXPORT]
ISSUE HOTPLUG	[SEND]

RESET TO FACTORY DEFAULTS:
☐ CLEAR ALL SETTINGS TO FACTORY DEFAULTS:
☐ EDID FACTORY SETTINGS:
[Type RESET]   [RESET]

FW UPDATE: [Choose File] No file chosen   [SEND]

CONFIG STATUS OK   [Refresh]

Disclaimer: 3rd party and/or custom firmware providing extra features are not covered in this manual.

[AUTOSWITCH INPUTS]: When activated, the new TMDS / Pixel clock Auto switch feature will force the Maestro TX unit to automatically switch to the active signal if the selected signal is lost. It can also auto switch source that keep sending +5V when in standby such as ATV4K, X1X, Shield and others.

[AUTOSWITCH PRIORITY]: When input priority mode is enabled, as soon as a new active input is detected, Maestro TX will switch to it.

[HDCP VERSION]: Allow you to select/force the HDCP revision of the TX1 Output Port.

[HTPC MODE]: Useful if you have trouble with windows display and icons when resuming from stand-by mode. Please note that with default firmware HTPC mode is not compatible with HDCP signal.

[OLED DISPLAY]: Enabled by default**,** Maestro TX OLED display can be turned ON/OFF at will. Some users might found the Maestro TX OLED display visually disturbing in their HT setup. You have the possibility to turn it off.

[ROTATE 180 DEG]: OFF by default, based on your setup, you might prefer to flip the OLED display, once activated, this option will flip the Maestro TX OLED.

[REVERSE COLORS]: OFF by default, once activated this option will reverse the Maestro TX OLED colors.

[OLED FADE]: Allow you to define a custom timing in seconds before OLED FADE, set it to 0 for OLED to always stay active. Default is 60sec.

[MUTE TX0 AUDIO]: If you use an AVR at HDMI audio out, you might want to disable sound going to equipment connected at TX0 output. Here you can mute the TX0 output sound.

[MUTE TX1 AUDIO]: If you use an AVR at HDMI audio out, you might want to disable sound going to equipment connected at TX1 output (HDBT going to Maestro RX). Here you can mute the TX1 output sound.

[ANALOG L/R AUDIO CONTROL]: This option will adjust the Analog Stereo output from this section. Volume, Bass and Treble control are available.

[SEND]: After Volume, Bass or Treble values changes, click send to apply your changes.

[SPDIF AUDIO ROUTING]: This option allow you to either root ARC from Maestro TX HDMI output TX0 or retrieve it from Maestro RX HDMI output TX0

[TEST PATTERN GENERATOR FOR TX0]: Once configured with dropdown field and enabled, this option will display a test pattern at TX0 output. It can be useful for testing equipment. 480p60, 720p60; 1080p60, 4k24 or 4K60 resolution are available, Pattern can be color bars, ramp1 or ramp2 and HDCP can be set to none, 1.4 or 2.2

[IP CONFIG]: This section allows you to edit the way Maestro TX will retrieve its IP address. Any changes will only be applied after reboot (power cycle)

[DHCP]: When set to ON, Maestro TX will retrieve a dynamic IP automatically.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

[CURRENT IP CONFIGURATION]: Display the current value of IP address, IP mask and IP gateway.

[CONFIGURE STATIC IP]: Enter the IP address, IP mask and IP gateway of your choice for a static IP setup, DHCP needs to be OFF for using static IP values

[SEND]: After any changes in IP configuration, click SEND to validate.

[REBOOT UNIT]: Click REBOOT button to restart Maestro TX completely.

[EXPORT CONFIG]: Allow you to export a txt file that include the full list of Maestro TX settings and some setup information that can be useful for support.

[ISSUE HOTPLUG]: Click Send button to perform a soft-reset in your setup.

[CLEAR ALL SETTINGS TO FACTORY DEFAULTS]: Type **RESET** in the factory def text field and click the available RESET button to clear all settings to factory defaults. Maestro TX power cycle needed.

[EDID FACTORY SETTINGS]: Click the available check box to clear all EDID settings to factory defaults and type **RESET** in the test field. Finally click the **RESET** button and unit EDID will be reset to factory defaults.

[FW UPDATE]: Select the Maestro TX firmware file and click SEND to upload it. Wait for Maestro TX to reboot automatically.

[REFRESH]: Refresh the current page.

RX Web Server CONFIG Section

INFO	EDID	SCALER	HDR/DV	OSD	CEC	CONFIG

HDCP VERSION: ○ 1.4 ● Auto
HTPC MODE: ○ ON ● OFF
OLED DISPLAY: ● ON ○ OFF
REVERSE COLORS: ○ ON ● OFF
OLED FADE: value [60] [SEND]

MUTE TX0 AUDIO: ○ ON ● OFF
MUTE TX1 AUDIO: ○ ON ● OFF

ANALOG L/R AUDIO CONTROL:

VOLUME [0] [-30 to +10dB]
BASS [0] [-10 to +10dB]
TREBLE [0] [-10 to +10dB]
[SEND]

SPDIF AUDIO ROUTING:
AUDIO ROUTE BACK: ● JACK ○ ARC

TEST PATTERN GENERATOR:

☐ ENABLE: [4K60 ▼] PATTERN: [COLOR BARS ▼] HDCP: [NONE ▼]

IP CONFIG:
Reboot required for any changes in DHCP / STATIC IP

DHCP: ● ON ○ OFF

Current IP Configuration:
IP ADDR: [192.168.1.101]
IP MASK: [255.255.255.0]
IP GW: [192.168.1.1]

Configure Static IP:
This address is used when DHCP is off
IP ADDR: [192.168.1.250]
IP MASK: [255.255.255.0]
IP GW: [192.168.1.1]
[SEND]

MAESTRO CONTROL:

REBOOT UNIT [REBOOT]

EXPORT CONFIG [EXPORT]

ISSUE HOTPLUG [SEND]

RESET TO FACTORY DEFAULTS:
☐ CLEAR ALL SETTINGS TO FACTORY DEFAULTS:
☐ EDID FACTORY SETTINGS:
[Type RESET] [RESET]

FW UPDATE: [Choose File] No file chosen [SEND]

CONFIG STATUS OK [Refresh]

Disclaimer: 3rd party and/or custom firmware providing extra features are not covered in this manual.

[HDCP VERSION]: Allow you to select/force the HDCP revision of the Maestro RX Output Port.

[HTPC MODE]: Useful if you have trouble with windows display and icons when resuming from stand-by mode. Please note that with default firmware HTPC mode is not compatible with HDCP signal.

[OLED DISPLAY]: Enabled by default, Maestro RX OLED display can be turned ON/OFF at will. Some users might found the Maestro RX OLED display visually disturbing in their HT setup. You have the possibility to turn it off.

[REVERSE COLORS]: OFF by default, once activated this option will reverse the Maestro RX OLED colors.

[OLED FADE]: Allow you to define a custom timing in seconds before OLED FADE, set it to 0 for OLED to always stay active. Default is 60sec.

[MUTE TX0 AUDIO]: If you use an AVR at HDMI audio out, you might want to disable sound going to equipment connected at TX0 output. Here you can mute the TX0 output sound.

[MUTE TX1 AUDIO]: If you use an AVR at HDMI audio out, you might want to disable sound going to equipment connected at TX1 output (HDBT going to Maestro RX). Here you can mute the TX1 output sound.

[ANALOG L/R AUDIO CONTROL]: This option will adjust the Analog Stereo output from this section. Volume, Bass and Treble control are available.

[SEND]: After Volume, Bass or Treble values changes, click send to apply your changes.

[SPDIF AUDIO ROUTING]: This option allow you to either root ARC from Maestro TX HDMI output TX0 or retrieve it from Maestro RX HDMI output TX0

[TEST PATTERN GENERATOR FOR TX0]: Once configured with dropdown field and enabled, this option will display a test pattern at TX0 output. It can be useful for testing equipment. 480p60, 720p60; 1080p60, 4k24 or 4K60 resolution are available, Pattern can be color bars, ramp1 or ramp2 and HDCP can be set to none, 1.4 or 2.2

[IP CONFIG]: This section allows you to edit the way Maestro TX will retrieve its IP address. Any changes will only be applied after reboot (power cycle)

[DHCP]: When set to ON, Maestro TX will retrieve a dynamic IP automatically.

[CURRENT IP CONFIGURATION]: Display the current value of IP address, IP mask and IP gateway.

[CONFIGURE STATIC IP]: Enter the IP address, IP mask and IP gateway of your choice for a static IP setup, DHCP needs to be OFF for using static IP values

[SEND]: After any changes in IP configuration, click SEND to validate.

[REBOOT UNIT]: Click REBOOT button to restart Maestro TX completely.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

[EXPORT CONFIG]: Allow you to export a txt file that include the full list of Maestro TX settings and some setup information that can be useful for support.

[ISSUE HOTPLUG]: Click Send button to perform a soft-reset in your setup.

[CLEAR ALL SETTINGS TO FACTORY DEFAULTS]: Type **RESET** in the factory def text field and click the available RESET button to clear all settings to factory defaults. Maestro TX power cycle needed.

[EDID FACTORY SETTINGS]: Click the available check box to clear all EDID settings to factory defaults and type **RESET** in the test field. Finally click the **RESET** button and unit EDID will be reset to factory defaults.

[FW UPDATE]: Select the Maestro TX firmware file and click SEND to upload it. Wait for Maestro TX to reboot automatically.

[REFRESH]: Refresh the current page.

Updating your Maestro TX/RX Firmware via web browser

The Maestro TX/RX Firmware can be updated from any web browser based device.

If you meet any issue updating your Maestro firmware, please try using Chrome Browser on your device.

You can download the latest Firmware version for your Maestro TX/RX device from the Download Tab on the Maestro TX/RX Product page: here. If you are unsure about your Firmware version currently in use, simply refer to OLED display on your unit. Alternatively, FW version is reported on any header of any page when accessing the embedded web server.

Once downloaded and extracted, you should have a directory on your computer with the following files
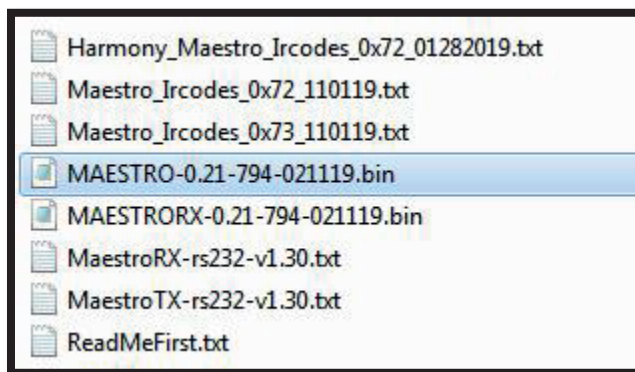
You will have to run both Maestro and Maestro RX Updates to successfully upgrade your Maestro TX/RX combo.
Note: Version number could be different depending on the FW revision you downloaded.

You can start by any of them; there is no particular order to respect.
However, you must update Maestro TX firmware from Maestro TX webserver, and update Maestro RX firmware from Maestro RX webserver.

After updating the Maestro TX or RX firmware, you will be prompted to refresh the webpage once unit have rebooted, you won't see any light or OLED info for about 15s as the unit is restarting and reconfiguring itself. Once ready, OLED and light will come back on.

Visit Maestro TX or RX webserver and browse to the bottom on the CONFIG section.
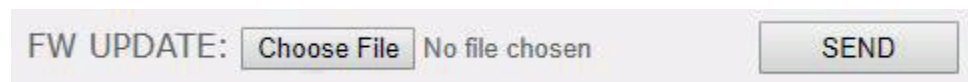
Click **Choose File** as shown on the above picture and select Maestro TX or RX firmware file accordingly to the web server you are currently surfing on.

Disclaimer: 3rd party and/or custom firmware providing extra features are not covered in this manual.

FW UPDATE: [Choose File] MAESTRO-...1119.bin   [SEND]

Once correct Firmware file is selected, its name will appear on the config page. Simply click SEND button to start flashing the firmware to your unit.

FW UPLOAD STARTED - WAIT UNTIL COMPLETED   [Refresh]

During this process you will see the above message on the footer page of the config section.
Please wait a few seconds and do not disconnect your device while the upgrade process is running.

FW UPLOAD OK - WAIT FOR REBOOT AND THEN REFRESH BROWSER   [Refresh]

Once completed, you will see the above notification.
Simply wait for Maestro OLED to come back on and click **REFRESH**.
The top section of the web server and Maestro OLED should now indicate the new firmware version.

Congratulations, you have successfully updated your Maestro firmware update and your unit is now ready to operate with the benefits from the latest software additions. If you flashed Maestro TX first, you might want to repeat this process for Maestro RX by updating from Maestro RX webserver.

Public API/DLL: We have created a set of DLL/API package for Maestro TX/RX so anyone can interface their Windows software with Maestro TX/RX capabilities and build evaluation, testing, measurement, calibration and content creation workflows system.
IR/RS232: Maestro TX/RX can be fully controlled via IR or from any serial based computer such as Win, Max or Linux using RS232 interface. Complete list of IR and RS232 commands are included as a text file for convenience on all Firmware updater and GUI utility package.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

CONFIG Export section of web server:

By using the **[CONFIG] > [EXPORT CONFIG]** option, you will be able to save the current Maestro TX configuration and settings in a text file.
The file can then be shared with the community or for support reason.

Exported config file will present the active signal information, the EDID set for each RX and TX as well as the list of parameters.

```
{
    "product": "MAESTRO",
    "time": "11/02/2019 Ã  01:07:34",
    "hostname": "MAESTRO-02",
    "ipaddress": "192.168.1.137",
    "version": "FW: 0.20",
    "portseltx0": "0",
    "portseltx1": "4",
    "routinglock": "1",
    "rxports": "0",
    "RX0": " 4K59.934 RGB 8b HDR 593MHz ",
    "RX1": " 4K59.934 RGB 8b HDR 593MHz ",
    "TX0": "",
    "TX1": " 4K59.934 RGB 8b HDR 593MHz CR",
    "AUD0": " L-PCM 48kHz 2.0ch 16bit",
    "AUD1": " L-PCM 48kHz 2.0ch 16bit",
    "SINK0": "EDID not available",
    "SINK1": "MAESTRO RX CONNECTED",
    "SPD":
"83:01:19:3e:4d:53:46:54:00:00:00:00:58:62:6f:78:20:4f:6e:65:00:00:00:00:00:0
0:00:00:08:00:00",
    "SPD1": "",
    "edidmode": "2",
    "edidalgo": "4",
    "edidtableinp1": "11",
    "edidtableinp2": "0",
    "edidtableinp3": "0",
    "edidtableinp4": "0",
    "edidbt2020": "1",
    "edidyuv": "0",
    "edidhdr": "1",
    "edidhlg": "0",
    "edidaudioflags": "16",
    "ediddv": "0",
    "ediddvremove": "0",
    "ediddvlimit": "0",
    "edid3d": "0",
    "AVI": "82:02:0d:d6:10:28:00:61:00:00:00:00:00:00:00:00:00",
    "HDR":
"87:01:1a:b0:02:00:c2:33:c4:86:4c:1d:b8:0b:d0:84:80:3e:13:3d:42:40:a0:0f:32:0
0:e8:03:90:01:00",
    "HDRCUSTOM":
"87:01:1a:b0:02:00:c2:33:c4:86:4c:1d:b8:0b:d0:84:80:3e:13:3d:42:40:a0:0f:32:0
0:e8:03:90:01:00",
    "AVICUSTOM": "82:02:0d:ae:40:c0:60:61:00:00:00:00:00:00:00:00:00",
```

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

```
    "HVS": "",
    "VSI": "",
    "HFV": "",
    "DV0": "",
    "customhdr": "0",
    "customavi": "0",
    "disablehdr": "0",
    "disableavi": "0",
    "hdrcustomhdronly": "0",
    "hdrcustomhlgonly": "0",
    "hdr10disable": "0",
    "hlgdisable": "0",
    "hdrcustomhlgonlyauto": "0",
    "AUD":
"84:01:0a:70:01:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:0
0:00:00:00:00:00",
    "osdenable": 1,
    "osdfadesecs": 60,
    "osdx": 20,
    "osdy": 945,
    "osdcolorfg": 21,
    "osdcolorbg": 0,
    "osdlevel": 7,
    "osdMaskenable": 0,
    "osdmaskx": 0,
    "osdmasky": 950,
    "osdmaskx1": 1920,
    "osdmasky1": 1080,
    "osdmasklevel": 3,
    "osdmaskgray": 10,
    "osdtextenable": 0,
    "osdtextneverfade": 0,
    "osdtextx": 20,
    "osdtexty": 20,
    "osdfieldsource": 1,
    "osdfieldvideo": 1,
    "osdfieldvideoif": 1,
    "osdfieldhdr": 1,
    "osdfieldhdrif": 1,
    "osdfieldaudio": 1,
    "osdfieldrxhdrforce": 0,
    "osdfieldrxvideoforce": 0,
    "osdfieldignoremetadata": 0,
    "osdtextstr": "undefinedMAESTRO by HDFURY 2019",
    "cecrequested": "2",
    "cecla": "14",
    "archbr": "0",
    "baudrate": "19200",
    "macroenable": 0,
    "macroeverysync": 0,
    "macrohdr10mode": 0,
    "macrocustomen1": 1,
    "macrocustomen2": 1,
    "macrocustomen3": 1,
    "macrocustomen4": 1,
    "macrocustomen5": 1,
    "macrocustomen6": 1,
```

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

```
    "macrocustomen7": 1,
    "macrocustom1mode": 0,
    "macrocustom1value": 0,
    "macrocustom1action": 0,
    "macrocustom2mode": 0,
    "macrocustom2value": 1100,
    "macrocustom2action": 0,
    "macrocustom3mode": 2,
    "macrocustom3value": 0,
    "macrocustom3action": 0,
    "macrocustom4mode": 2,
    "macrocustom4value": 1100,
    "macrocustom4action": 0,
    "macrocustom5mode": 2,
    "macrocustom5value": 4000,
    "macrocustom5action": 0,
    "macrocustom6mode": 2,
    "macrocustom6value": 4000,
    "macrocustom6action": 0,
    "macrocustom7action": 0,
    "macrodrhdtv": 0,
    "macrodrfilm": 0,
    "macrodrbt2020": 0,
    "macro3d": 0,
    "macroxvcolor": 0,
    "macrohlgbt709": 0,
    "macrohlgbt2020": 0,
    "macrohdr10": 0,
    "macrohdr10opt": 0,
    "macrohdr10bt709": 0,
    "enclevel": "0",
    "autosw": "0",
    "autoswprio": "1",
    "txaudioroute": "0",
    "rxaudioroute": "0",
    "htpc": "0",
    "volume": "0",
    "bass": "0",
    "treb": "0",
    "ipstatic": "staticip 192.168.1.250/255.255.255.0/192.168.1.1",
    "ipactive": "activeip 192.168.1.137/255.255.255.0/192.168.1.1",
    "nodhcp": "0",
    "oled": "1",
    "oledrot": "1",
    "oledrev": "0",
    "oledfade": "0",
    "EDIDRX0": "00 ff ff ff ff ff ff 00 25 d4 01 00 01 00 00 00 0a 1c 01 03
80 00 00 78 0a ee 95 a3 54 4c 99 26 0f 50 54 a1 08 00 31 40 45 40 61 40 71 40
81 80 01 00 01 00 01 01 08 e8 00 30 f2 70 5a 80 b0 58 8a 00 50 1d 74 00 00 1e
02 3a 80 18 71 38 2d 40 58 2c 45 00 50 1d 74 00 00 1e 00 00 00 fd 00 0f 90 1e
88 3c 00 00 00 00 00 00 00 00 00 00 00 fc 00 56 45 52 54 45 58 0a 20 20 20 20
20 20 01 ef 02 03 5b 71 57 61 10 1f 60 13 05 14 20 21 22 5d 5e 5f 04 65 66 62
63 64 07 16 03 12 35 0f 7f 07 15 07 50 3d 1e c0 4d 02 00 57 06 01 5f 7e 01 67
7e 01 83 5f 00 00 e2 00 cf e2 0f 09 e3 06 0f 01 e3 05 e3 01 6e 03 0c 00 41 00
b8 3c 20 80 80 01 02 03 04 67 d8 5d c4 01 78 80 03 01 1d 80 18 71 1c 16 20 58
2c 25 00 40 84 63 00 00 9e 66 21 56 aa 51 00 1e 30 46 8f 33 00 50 1d 74 00 00
1e b5",
```

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

```
    "EDIDRX1": "00 ff ff ff ff ff ff 00 25 d4 01 00 01 00 00 00 0a 1c 01 03
80 00 00 78 0a ee 95 a3 54 4c 99 26 0f 50 54 a1 08 00 31 40 45 40 61 40 71 40
81 80 01 00 01 00 01 01 08 e8 00 30 f2 70 5a 80 b0 58 8a 00 50 1d 74 00 00 1e
02 3a 80 18 71 38 2d 40 58 2c 45 00 50 1d 74 00 00 1e 00 00 00 fd 00 0f 90 1e
88 3c 00 00 00 00 00 00 00 00 00 00 fc 00 56 45 52 54 45 58 0a 20 20 20 20
20 20 01 ef 02 03 5b 71 57 61 10 1f 60 13 05 14 20 21 22 5d 5e 5f 04 65 66 62
63 64 07 16 03 12 35 0f 7f 07 15 07 50 3d 1e c0 4d 02 00 57 06 01 5f 7e 01 67
7e 01 83 5f 00 00 e2 00 cf e2 0f 09 e3 06 0f 01 e3 05 e3 01 6e 03 0c 00 42 00
b8 3c 20 80 80 01 02 03 04 67 d8 5d c4 01 78 80 03 01 1d 80 18 71 1c 16 20 58
2c 25 00 40 84 63 00 00 9e 66 21 56 aa 51 00 1e 30 46 8f 33 00 50 1d 74 00 00
1e b4",
    "EDIDRX2": "00 ff ff ff ff ff ff 00 25 d4 01 00 01 00 00 00 0a 1c 01 03
80 00 00 78 0a ee 95 a3 54 4c 99 26 0f 50 54 a1 08 00 31 40 45 40 61 40 71 40
81 80 01 00 01 00 01 01 08 e8 00 30 f2 70 5a 80 b0 58 8a 00 50 1d 74 00 00 1e
02 3a 80 18 71 38 2d 40 58 2c 45 00 50 1d 74 00 00 1e 00 00 00 fd 00 0f 90 1e
88 3c 00 00 00 00 00 00 00 00 00 00 fc 00 56 45 52 54 45 58 0a 20 20 20 20
20 20 01 ef 02 03 5b 71 57 61 10 1f 60 13 05 14 20 21 22 5d 5e 5f 04 65 66 62
63 64 07 16 03 12 35 0f 7f 07 15 07 50 3d 1e c0 4d 02 00 57 06 01 5f 7e 01 67
7e 01 83 5f 00 00 e2 00 cf e2 0f 09 e3 06 0f 01 e3 05 e3 01 6e 03 0c 00 43 00
b8 3c 20 80 80 01 02 03 04 67 d8 5d c4 01 78 80 03 01 1d 80 18 71 1c 16 20 58
2c 25 00 40 84 63 00 00 9e 66 21 56 aa 51 00 1e 30 46 8f 33 00 50 1d 74 00 00
1e b3",
    "EDIDRX3": "00 ff ff ff ff ff ff 00 25 d4 01 00 01 00 00 00 0a 1c 01 03
80 00 00 78 0a ee 95 a3 54 4c 99 26 0f 50 54 a1 08 00 31 40 45 40 61 40 71 40
81 80 01 00 01 00 01 01 08 e8 00 30 f2 70 5a 80 b0 58 8a 00 50 1d 74 00 00 1e
02 3a 80 18 71 38 2d 40 58 2c 45 00 50 1d 74 00 00 1e 00 00 00 fd 00 0f 90 1e
88 3c 00 00 00 00 00 00 00 00 00 00 fc 00 56 45 52 54 45 58 0a 20 20 20 20
20 20 01 ef 02 03 5b 71 57 61 10 1f 60 13 05 14 20 21 22 5d 5e 5f 04 65 66 62
63 64 07 16 03 12 35 0f 7f 07 15 07 50 3d 1e c0 4d 02 00 57 06 01 5f 7e 01 67
7e 01 83 5f 00 00 e2 00 cf e2 0f 09 e3 06 0f 01 e3 05 e3 01 6e 03 0c 00 44 00
b8 3c 20 80 80 01 02 03 04 67 d8 5d c4 01 78 80 03 01 1d 80 18 71 1c 16 20 58
2c 25 00 40 84 63 00 00 9e 66 21 56 aa 51 00 1e 30 46 8f 33 00 50 1d 74 00 00
1e b2",
    "EDIDTX0": "00 ff ff ff ff ff ff 00 4c 2d 01 0c 01 06 00 01 2a 18 01 03
80 69 3b 78 0a 23 ad a4 54 4d 99 26 0f 47 4a bd ef 80 71 4f 81 c0 81 00 81 80
95 00 a9 c0 b3 00 01 01 08 e8 00 30 f2 70 5a 80 b0 58 8a 00 50 1d 74 00 00 1e
02 3a 80 18 71 38 2d 40 58 2c 45 00 50 1d 74 00 00 1e 00 00 00 fd 00 18 4b 0f
87 3c 00 0a 20 20 20 20 20 20 00 00 00 fc 00 53 41 4d 53 55 4e 47 0a 20 20 20
20 20 01 56 02 03 58 f1 57 61 10 1f 04 13 05 14 20 21 22 5d 5e 5f 60 65 66 62
63 64 07 16 03 12 29 09 07 07 15 07 50 3d 04 c0 83 01 00 00 e2 00 0f e3 05 c0
00 76 03 0c 00 40 00 b8 3c 21 d0 88 01 02 03 04 01 40 3f ff 50 60 80 90 67 d8
5d c4 01 78 80 03 e3 06 05 01 e3 0f 01 e0 01 1d 80 d0 72 1c 16 20 10 2c 25 80
50 1d 74 00 00 9e 66 21 56 aa 51 00 1e 30 46 8f 33 00 50 1d 74 00 00 1e 00 00
00 76",
    "EDIDTX1": "00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00"
```

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RS232 Control

MAESTRO TX/RX RS232 COMMAND LIST:

Maestro TX/RX RS232 jack expects the following plug signals:
TIP = TX [sends data out from Maestro TX/RX]
RING = RX [receives data to Maestro TX/RX]
SLEEVE = GND

Parameters: 19200, n, 1, no handshake

Every command is routed to the RX RS232 as well as the local Maestro control.

If using RS232 to control Maestro TX each command must start with #maestro header and must end with a carriage return \r or a newline \n

If using IP/TELNET, there is no need for the #maestro header.

Use only lowercase characters

A generic command to write a value:
#maestro set x y
where #maestro is the header and all commands start with this header
set - indicates value will be written to maestro
x - target to be written
y - value or values

A generic command to read a value:
#maestro get x
where #maestro is the header and all commands start with this header
get - indicates value will be read from maestro
x - target to be read

Command list:

#maestro set insel tx0 tx1
where tx0 and tx1 is [0-3] input port, or [4] for follow
Ex. #maestro set insel 2 3
Set tx0 to input 2 and tx1 to input 3

#maestro set ipaddr xxx.xxx.xxx.xxx
Sets the static IP address. Active when dhcp is turned off.
Ex. #maestro set ipaddr 192.168.1.222

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#maestro set ipmask xxx.xxx.xxx.xxx
Sets the static IP network mask. Active when dhcp is turned off.
Ex. #maestro set ipmask 255.255.255.0

#maestro set ipgw xxx.xxx.xxx.xxx
Sets the static IP gateway address. Active when dhcp is turned off.
Ex. #maestro set ipgw 192.168.1.1

#maestro set dhcp x
Set the dynamic or static IP address selection. Dynamic = dhcp on
where x is [on / off]
Ex. #maestro set dhcp off

#maestro set autosw x
where x is [on / off]
Enables or disables the autoswitch feature
Ex. #maestro set autosw off

#maestro set autoswprio
where x is [on / off]
Enables or disables the autoswitch priority feature
Ex. #maestro set autoswprio off

#maestro set edidmode x
where x is [automix / custom / fixed / copytx0 / copytx1]
Ex. #maestro set edidmode automix

#maestro set edid audio x
where x is [stereo / 51 / full / native / tx1]
Sets the automix EDID audio flag
Ex. #maestro set edid audio native

#maestro set edid bt2020 x
where x is [on / off]
Sets the automix EDID bt2020 capability addition
Will not remove if existing on the sink - only adds if missing
Ex. #maestro set edid bt2020 on

#maestro set edid yuvremove x
where x is [on / off]
Sets the automix EDID YUV/YCbCr capability force
Controls if the source sees a YCbCr capable sink
Ex. #maestro set edid yuvremove on

#maestro set edid hdr10 x

where x is [on / off]

Sets the automix EDID hdr10 capability

Will not remove if existing on the sink - only adds if missing

Ex. #maestro set edid hdr10 on

#maestro set edid hlg x

where x is [on / off]

Sets the automix EDID hlg capability

Will not remove if existing on the sink - only adds if missing

Ex. #maestro set edid hlg on

#maestro set edid dv x

where x is [on / off]

Sets the automix EDID Dolby Vision capability

Will not remove if existing on the sink - only adds if missing

Ex. #maestro set edid dv on

#maestro set edid dvremove x

where x is [on / off]

Sets the automix EDID to remove DV capability

Ex. #maestro set edid dvremove on

#maestro set edid dvlimit x

where x is [on / off]

Sets the automix EDID Dolby Vision frequency capability to 300Mhz max

Ex. #maestro set edid dvlimit on

#maestro set edid 3dremove x

where x is [on / off]

Sets the automix EDID to remove 3D capability

Controls if the source sees a 3D capable sink

Ex. #maestro set edid 3dremove on

#maestro set hdcp x

where x is [14 / auto]

Sets the hdcp level

in auto mode, depending on sink capability uses hdcp 1.4 or 2.2

Ex. #maestro set hdcp auto

#maestro set scale x

where x is [auto / custom / none]

Sets the scaling style for tx0 (tx1 is always automatic)

In auto mode, optimizes according to the best sink capabilities

Ex. #maestro set scale auto

#maestro set autonoupscale x

where x is [on / off]

Sets the mode for upscaling in tx0 output. Applies in "scale auto" mode only.

In "scale auto" mode enables/disables upscaling of 1080p content automatically to 4k.

Ex. #maestro set autonoupscale off

#maestro set edidtableinp0 x
#maestro set edidtableinp1 x
#maestro set edidtableinp2 x
#maestro set edidtableinp3 x

where x is [1 - 100] for edidtableinp0 and [0 - 100] for others

Sets the custom EDID for corresponding input port

For ports 1-3 table number 0 indicates copy port 0 table

Ex. #maestro set edidtableinp0 11

#maestro set edidalgo x

where x is [0 - 4]

Sets the automix algorithm

0 = Min video, min audio

1 = Min video, max audio

2 = Tx0 priority

3 = Tx1 priority

4 = Max video, max audio [default]

Ex. #maestro set edidalgo 4

#maestro set hdrcustom x

where x is [on / off]

Starts to output custom HDR metadata and ignores any input received HDR metadata.

Overrides all other hdrcustom options

Ex. #maestro set hdrcustom on

#maestro set hdrcustomhdr10only x

where x is [on / off]

Starts to output custom HDR metadata if and only if the input is HDR10.

This setting is used to replace the incoming HDR10 metadata.

Ex. #maestro set hdrcustomhdr10only on

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#maestro set hdrcustomhlgonly x

where x is [on / off]

Starts to output custom HDR metadata if and only if the input is HLG.

This setting is used to replace the incoming HLG metadata.

Ex. #maestro set hdrcustomhlgonly on

#maestro set hdrcustomhlgonlyauto x

where x is [on / off]

Starts to output custom HDR metadata if and only if the input is HLG

and the sink has no HLG support.

This setting is used to replace the incoming HLG metadata.

Useful when turning on/off HLG capable sink while non-HLG sink is also connected.

Ex. #maestro set hdrcustomhlgonlyauto on

#maestro set hdrdisable x

where x is [on / off]

Stops sending any HDR metadata content

Ex. #maestro set hdrdisable on

#maestro set hdrdisablehdr10only x

where x is [on / off]

Stops sending any HDR metadata content if the input is HDR10

Ex. #maestro set hdrdisablehdr10only on

#maestro set hdrdisablehlgonly x

where x is [on / off]

Stops sending any HDR metadata content if the input is HLG

Ex. #maestro set hdrdisablehlgonly on

#maestro set avicustom x

where x is [on / off]

Starts to output custom AVI infoframe and ignores any input received AVI metadata.

Ex. #maestro set avicustom on

#maestro set avidisable x

where x is [on / off]

Stops sending any AVI infoframe content

Ex. #maestro set avidisable on

#maestro set cec x

where x is [on / off]

Sets the CEC engine

Ex. #maestro set cec on

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#maestro set cecla x

where x is [video / audio]

Sets the CEC engine logical address. For video [14] and for audio [5].

Ex. #maestro set cecla audio

#maestro set archbr x

where x is [on / off]

Sets the ARC capability to include DD+ / ATMOS over DD+ capability.

Ex. #maestro set archbr on

#maestro set oled x

where x is [on / off]

Sets the OLED display visibility

Ex. #maestro set oled on

#maestro set oledrev x

where x is [on / off]

Sets the OLED display reversed colors

Ex. #maestro set oledrev on

#maestro set oledrot x

where x is [on / off]

Sets the OLED display rotation

Ex. #maestro set oledrot on

#maestro set oledpage x

where x is [0-4]

Sets the OLED display page

Ex. #maestro set oledpage 0

#maestro set oledfade x

where x is [0-255]

Sets the OLED display fade timer in seconds. After this time OLED goes blank

0 = no fade

Ex. #maestro set oledfade 60

#maestro set osd x

where x is [on / off]

Enables / disables osd

Ex. #maestro set osd on

#maestro set osdloc x y

where x is [1 - 1920] and y is [1 - 1080]

Sets the OSD information location coordinates. For 4k the values are 4x

Ex. #maestro set osdloc 50 850

#maestro set osdfg x

where x is [1 - 31]

Sets the OSD foreground color

Ex. #maestro set osdfg 20

#maestro set osdbg x

where x is [1 - 31]

Sets the OSD background color

Ex. #maestro set osdbg 20

#maestro set osdlevel x

where x is [0 - 7]

Sets the OSD opacity level

Ex. #maestro set osdlevel 4

#maestro set osdfade x

where x is [0-255]

Sets the OSD fade timer in seconds. After this time OSD info disappears

0 = no fade

Ex. #maestro set osdfade 20

#maestro set osdfield x y

where x is [source / video / videoif / hdr / hdrif / audio / rxhdrforce
rxvideoforce / ignoremetadata] and y is [on / off]

Sets the OSD field parameter visibility

Ex. #maestro set osdfield videoif off

#maestro set osdmaskloc x y x1 y1

where x and x1 are [1 - 1920] and y and y1 are [1 - 1080]

Sets the OSD mask information location coordinates. For 4k the values are 4x

Ex. #maestro set osdmaskloc 50 850 1900 900

#maestro set osdmask x

where x is [on / off]

Enables / disables osdmask

Ex. #maestro set osdmask on

#maestro set osdmasklevel x
where x is [0 - 7]
Sets the OSD opacity level
Ex. #maestro set osdmasklevel 4

#maestro set osdmaskgray x
where x is [0 - 15]
Sets the OSD gray level
Ex. #maestro set osdmaskgray 4

#maestro set osdtextloc x y
where x is [1 - 1920] and y is [1 - 1080]
Sets the OSD text location coordinates. For 4k the values are 4x
Ex. #maestro set osdtextloc 50 20

#maestro set osdtextneverfade x
where x is [on / off]
Osd text typically fades together with normal OSD.
This setting can disable fading.
Ex. #maestro set osdtextneverfade on

#maestro set osdtextstr x
where x max 64 characters
Defines the specific text string to be displayed. Must be in enlosed in quotation
Ex. #maestro set osdtextstr "HDFury 2019"

#maestro set osdtext x
where x is [on / off]
Enables / disables osdtext
Ex. #maestro set osdtext on

#maestro set mutetx0audio x
where x is [on / off]
Mute the tx0 hdmi audio output
Ex. #maestro set mutetx0audio on

#maestro set mutetx1audio x
where x is [on / off]
Mute the tx1 hdmi audio output
Ex. #maestro set mutetx1audio on

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#maestro set analogvolume x

where x is [-30 to +10]

Sets the analog L/R audio jack output volume in dB.

Ex. #maestro set analogvolume -10

#maestro set analogbass x

where x is [-10 to +10]

Sets the analog L/R audio jack output bass level in dB.

Ex. #maestro set analogbass 5

#maestro set analogtreble x

where x is [-10 to +10]

Sets the analog L/R audio jack output treble level in dB.

Ex. #maestro set analogtreble -2

#maestro set spdifroute x

where x is [maestro / rx]

Sets the audio route to use maestro internal audio or the audio from
the extender RX device (ARC / optical from RX)

Ex. #maestro set spdifroute rx

#maestro set factoryreset x

where x is [1, 2, 3]

1 = Erase all settings but retain the custom EDID tables

2 = Erase custom EDID tables but retain other settings

3 = ERASE all settings and EDID tables

Ex. #maestro set factoryreset 3

#maestro set jvcmacro x

where x is [on / off]

Enables / disables JVC macro sending

Ex. #maestro set jvcmacro on

#maestro set jvcmacrosync x

where x is [on / off]

Enables / disables JVC macro sending on every sync instead of just at start once

Ex. #maestro set jvcmacrosync on

#maestro set jvcmacrodelay x

where x is [0 - 255]

Sets the delay between a mode change and sending the macro command via RS232

Ex. #maestro set jvcmacrodelay 25

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#maestro set jvcmacrohdr10mode x

where x is [0 - 4]

0 = auto

1 = ignore metadata

2 = semiautomatic

3 = custom

Sets the current JVC macro mode

Ex. #maestro set jvcmacrohdr10mode 0

IR Code List

For convenience, the complete list of IR codes is supplied in Pronto HEX files, it is recommended to always use the latest IR codes list that is included as a text file format with each firmware and GUI update. Maestro TX/RX IR codes have also been submitted to Logitech Harmony and iRule.

maestro_archbroff: NEC 0x76 0x3e

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_archbron: NEC 0x76 0x3d

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_autonoupscaleoff: NEC 0x76 0x40

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_autonoupscaleon: NEC 0x76 0x3f

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_autoswoff: NEC 0x76 0x13

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f

0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_autoswon: NEC 0x76 0x12

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_autoswpriooff: NEC 0x76 0x15

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_autoswprioon: NEC 0x76 0x14

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_avicustomoff: NEC 0x76 0x46

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_avicustomon: NEC 0x76 0x45

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

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maestro_avidisableoff: NEC 0x76 0x48

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_avidisableon: NEC 0x76 0x47

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_avoldown: NEC 0x76 0x5b

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_avolup: NEC 0x76 0x5a

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_ceclaaudioproc: NEC 0x76 0x3c

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

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maestro_ceclavideoproc: NEC 0x76 0x3b

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_cecoff: NEC 0x76 0x3a

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_cecon: NEC 0x76 0x39

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edid3dremoveoff: NEC 0x76 0x33

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edid3dremoveon: NEC 0x76 0x34

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_amutetx0off: NEC 0x76 0x4e

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_amutetx0on: NEC 0x76 0x4d

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_amutetx1off: NEC 0x76 0x66

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 1d0b

maestro_amutetx1on: NEC 0x76 0x65

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 1d0b

maestro_edidalgo0: NEC 0x76 0x60

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 1d0b

maestro_edidalgo1: NEC 0x76 0x61

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f

0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 1d0b

maestro_edidalgo2: NEC 0x76 0x62

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 1d0b

maestro_edidalgo3: NEC 0x76 0x63

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 1d0b

maestro_edidalgo4: NEC 0x76 0x64

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 1d0b

maestro_edidaudio2ch: NEC 0x76 0x20

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidaudio51ch: NEC 0x76 0x21

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

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maestro_edidaudio71ch: NEC 0x76 0x22

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015
0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidaudionative: NEC 0x76 0x23

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015
0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidaudiotx1: NEC 0x76 0x24

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015
003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidautomix: NEC 0x76 0x1a

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015
0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_edidbt2020off: NEC 0x76 0x26

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015
0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidbt2020on: NEC 0x76 0x25

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidcopytx0: NEC 0x76 0x1e

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_edidcopytx1: NEC 0x76 0x1d

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_edidcustom: NEC 0x76 0x1c

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_edidcustomtable1: NEC 0x76 0x91

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable10: NEC 0x76 0x9a

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable100: NEC 0x76 0xf4

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable11: NEC 0x76 0x9b

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable12: NEC 0x76 0x9c

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable13: NEC 0x76 0x9d

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable14: NEC 0x76 0x9e

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f

0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable15: NEC 0x76 0x9f

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable16: NEC 0x76 0xa0

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable17: NEC 0x76 0xa1

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable18: NEC 0x76 0xa2

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable19: NEC 0x76 0xa3

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable2: NEC 0x76 0x92

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable20: NEC 0x76 0xa4

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable21: NEC 0x76 0xa5

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable22: NEC 0x76 0xa6

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable23: NEC 0x76 0xa7

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable24: NEC 0x76 0xa8

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable25: NEC 0x76 0xa9

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015
003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable26: NEC 0x76 0xaa

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015
0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable27: NEC 0x76 0xab

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015
0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable28: NEC 0x76 0xac

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable29: NEC 0x76 0xad

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable3: NEC 0x76 0x93

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable30: NEC 0x76 0xae

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable31: NEC 0x76 0xaf

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable32: NEC 0x76 0xb0

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable33: NEC 0x76 0xb1

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f

0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable34: NEC 0x76 0xb2

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable35: NEC 0x76 0xb3

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable36: NEC 0x76 0xb4

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable37: NEC 0x76 0xb5

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable38: NEC 0x76 0xb6

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable39: NEC 0x76 0xb7

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable4: NEC 0x76 0x94

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable40: NEC 0x76 0xb8

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable41: NEC 0x76 0xb9

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable42: NEC 0x76 0xba

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable43: NEC 0x76 0xbb

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable44: NEC 0x76 0xbc

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable45: NEC 0x76 0xbd

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable46: NEC 0x76 0xbe

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable47: NEC 0x76 0xbf

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable48: NEC 0x76 0xc0

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable49: NEC 0x76 0xc1

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable5: NEC 0x76 0x95

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable50: NEC 0x76 0xc2

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable51: NEC 0x76 0xc3

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable52: NEC 0x76 0xc4

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f

0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable53: NEC 0x76 0xc5

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable54: NEC 0x76 0xc6

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable55: NEC 0x76 0xc7

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable56: NEC 0x76 0xc8

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable57: NEC 0x76 0xc9

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable58: NEC 0x76 0xca

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable59: NEC 0x76 0xcb

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable6: NEC 0x76 0x96

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable60: NEC 0x76 0xcc

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable61: NEC 0x76 0xcd

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable62: NEC 0x76 0xce

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable63: NEC 0x76 0xcf

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable64: NEC 0x76 0xd0

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable65: NEC 0x76 0xd1

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable66: NEC 0x76 0xd2

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable67: NEC 0x76 0xd3

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable68: NEC 0x76 0xd4

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable69: NEC 0x76 0xd5

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable7: NEC 0x76 0x97

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable70: NEC 0x76 0xd6

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable71: NEC 0x76 0xd7

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f

0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable72: NEC 0x76 0xd8

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable73: NEC 0x76 0xd9

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable74: NEC 0x76 0xda

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable75: NEC 0x76 0xdb

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable76: NEC 0x76 0xdc

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable77: NEC 0x76 0xdd

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable78: NEC 0x76 0xde

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable79: NEC 0x76 0xdf

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable8: NEC 0x76 0x98

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable80: NEC 0x76 0xe0

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable81: NEC 0x76 0xe1

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable82: NEC 0x76 0xe2

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable83: NEC 0x76 0xe3

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable84: NEC 0x76 0xe4

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable85: NEC 0x76 0xe5

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable86: NEC 0x76 0xe6

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable87: NEC 0x76 0xe7

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable88: NEC 0x76 0xe8

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable89: NEC 0x76 0xe9

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable9: NEC 0x76 0x99

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidcustomtable90: NEC 0x76 0xea

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f

0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable91: NEC 0x76 0xeb

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable92: NEC 0x76 0xec

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable93: NEC 0x76 0xed

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable94: NEC 0x76 0xee

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable95: NEC 0x76 0xef

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable96: NEC 0x76 0xf0

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable97: NEC 0x76 0xf1

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable98: NEC 0x76 0xf2

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_edidcustomtable99: NEC 0x76 0xf3

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 1d0b

maestro_ediddvlimitoff: NEC 0x76 0x32

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

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maestro_ediddvlimiton: NEC 0x76 0x31

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_ediddvoff: NEC 0x76 0x2e

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_ediddvon: NEC 0x76 0x2d

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_ediddvremoveoff: NEC 0x76 0x30

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_ediddvremoveon: NEC 0x76 0x2f

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidfixed: NEC 0x76 0x1b

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_edidhdr10off: NEC 0x76 0x2a

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidhdr10on: NEC 0x76 0x29

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidhlgoff: NEC 0x76 0x2c

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidhlgon: NEC 0x76 0x2b

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidtopfollow: NEC 0x76 0x90

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f

0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_edidyuvremoveoff: NEC 0x76 0x27

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_edidyuvremoveon: NEC 0x76 0x28

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_hdcp14: NEC 0x76 0x36

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_hdcpauto: NEC 0x76 0x35

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_hdrcustomoff: NEC 0x76 0x42

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

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maestro_hdrcustomon: NEC 0x76 0x41

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_hdrdisableoff: NEC 0x76 0x44

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_hdrdisableon: NEC 0x76 0x43

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_hotplug: NEC 0x76 0x16

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_inputsel0: NEC 0x76 0x00

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_inputsel1: NEC 0x76 0x01

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_inputsel2: NEC 0x76 0x02

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_inputsel3: NEC 0x76 0x03

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_jvcmacroMode0: NEC 0x76 0x02

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_jvcmacroMode1: NEC 0x76 0x03

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_jvcmacroMode2: NEC 0x76 0x04

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0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_jvcmacroMode3: NEC 0x76 0x08

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_jvcmacrooff: NEC 0x76 0x00

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_jvcmacroon: NEC 0x76 0x01

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_logoledoff: NEC 0x76 0x37

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_logoledon: NEC 0x76 0x36

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f

0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015
0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_oledfadeoff: NEC 0x76 0x31

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015
003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_oledfadeon: NEC 0x76 0x30

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015
003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 1d0b

maestro_oledoff: NEC 0x76 0x50

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015
003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledon: NEC 0x76 0x4f

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015
0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledpage1: NEC 0x76 0x55

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015
003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f
0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015
003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

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maestro_oledpage2: NEC 0x76 0x56

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledpage3: NEC 0x76 0x57

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledpage4: NEC 0x76 0x58

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledpage5: NEC 0x76 0x59

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledrevoff: NEC 0x76 0x52

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledrevon: NEC 0x76 0x51

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledrotateoff: NEC 0x76 0x54

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_oledrotateon: NEC 0x76 0x53

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdaudiooff: NEC 0x76 0x5e

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdaudioon: NEC 0x76 0x5f

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdcustomtextoff: NEC 0x76 0x8e

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_osdcustomtexton: NEC 0x76 0x8f

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 1d0b

maestro_osdfadeoff: NEC 0x76 0x52

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdfadeon: NEC 0x76 0x53

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdhdrdetailoff: NEC 0x76 0x5a

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdhdrdetailon: NEC 0x76 0x5b

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f

0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdhdrifoff: NEC 0x76 0x5c

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdhdrifon: NEC 0x76 0x5d

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maestro_osdhdrrxonlyoff: NEC 0x76 0x48

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdhdrrxonlyon: NEC 0x76 0x49

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdmaskoff: NEC 0x76 0x47

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maestro_osdmaskon: NEC 0x76 0x46

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdoff: NEC 0x76 0x50

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdon: NEC 0x76 0x51

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maestro_osdsourcenameoff: NEC 0x76 0x54

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdsourcenameon: NEC 0x76 0x55

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maestro_osdvideofieldoff: NEC 0x76 0x56

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdvideofieldon: NEC 0x76 0x57

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdvideoifoff: NEC 0x76 0x58

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_osdvideoifon: NEC 0x76 0x59

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_poweroff: NEC 0x76 0x15

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maestro_poweron: NEC 0x76 0x16

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_scaleauto: NEC 0x76 0x17

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_scalecustom: NEC 0x76 0x18

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maestro_scalenone: NEC 0x76 0x19

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 1d0b

maestro_vsicustomoff: NEC 0x76 0x4a

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_vsicustomon: NEC 0x76 0x49

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 003f

0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_vsidisableoff: NEC 0x76 0x4c

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

maestro_vsidisableon: NEC 0x76 0x4b

0000 006e 0000 0022 0156 00ab 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 003f 0015 003f 0015 0015 0015 003f 0015 0015 0015 0015 0015 003f 0015 0015 0015 0015 0015 0015 0015 003f 0015 0015 0015 003f 0015 003f 0015 0015 0015 003f 0015 1d0b

FAQ

What is the difference between Splitter and Matrix option, what are the options for each mode?
The below picture represents the available options for both mode.
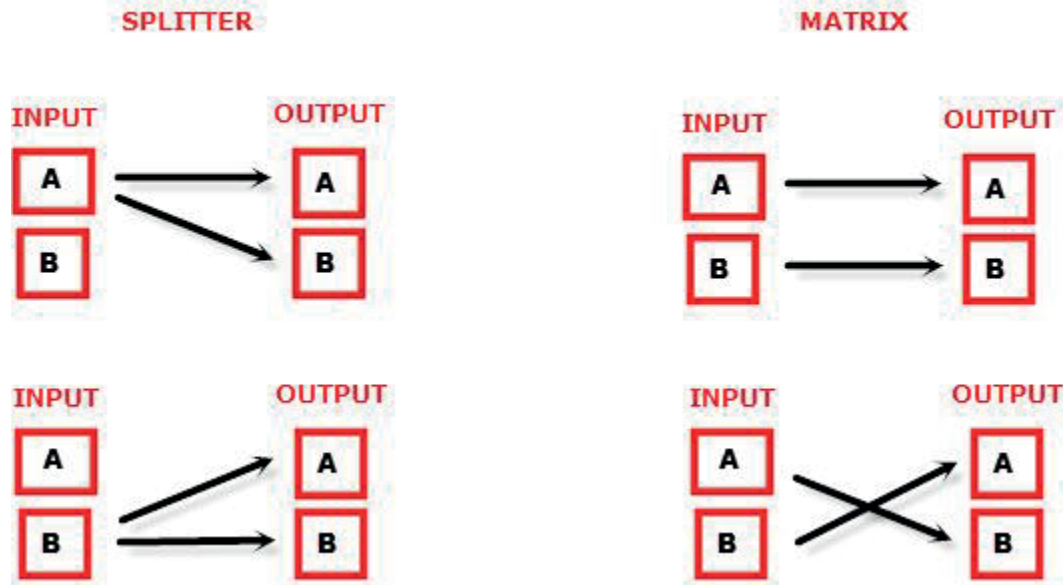
Can we pass-through 4K60 4:4:4 or any HDR signal and have one output at lower resolution ?
Yes, when connected correctly to the right downscale output port (TX1 on RX), Maestro RX will automatically scale down UHD to FHD if required by the connected SINK (Display, AVR or others). Similarly it can scale up FHD to UHD if required by the connected SINK to the upscale port (TX0 on both TX/RX).

My display is supposed to accept 4K60 4:4:4 signals but it does not work?
For most UHD TV set we tried, there are always extra configuration options to active in order to achieve a 4K60 4:4:4 600MHz link. For ex, on samsung: in order to enable the 444 colorspace for 4k in Samsung TV's you must go to "settings" and "hdmi" and "UHD color" and enable it. Then also you must assign the HDMI port1 as "PC" in the tools menu. Only after these two steps will 600MHz be accepted. Similar activation tricks are required on most UHD TV's. Additionally, most UHD TV's only have specific ports that are 600MHz capable.

I have a PC mode on my TV (or a PC monitor) what resolutions are supported for graphics mode?
All PC graphics mode within the 600MHz bandwidth are supported, including ultra-high resolution such as WQSXGA, QUXGA, QFHD, WQUXGA, 4K.

What output resolution does the Maestro TX/RX support in HDTV mode?
All known SD, HD, Full HD and UHD formats are supported including: 480i50,480i60, 480p50, 480p60, 576p50, 576p60, 720p50, 720p60, 720p100, 720p120, 1080i25, 1080i30, 1080p24, 1080p25, 1080p30, 1080p48, 1080p50, 1080p60, 1080p72, 1080p75, 1080p96, 1440p50, 1440p60, 2160p24, 2160p25, 2160p30, 2160p50, 2160p60 (these are examples only, anything within the 600MHz bandwidth is supported.)

Disclaimer: *3ʳᵈ party and/or custom firmware providing extra features are not covered in this manual.*

What version of HDMI does the Maestro TX/RX work with? Do I need HDMI 1.3/1.4a/2.0a/2.0b? Does it matter?
It does not matter. HDfury Maestro TX/RX works with any version of HDMI from 1.0 and up.

Do I need to set anything special in my HDMI source device to set the resolution correctly?
No. The HDfury Maestro TX/RX will be detected as 2160p60 4:4:4 capable device by your source and it will always accept and process the highest quality stream from your source devices. There is no need to set the HDMI source to any specific resolution.

Is there any latency (delay) introduced to the signal?
Virtually none. The latency added is in the order of a few pixel clocks only. Nothing noticeable at all.

What about long HDMI cable runs? Can I expect issues?
For 600MHz users must use "high speed" cables, or 600MHz/18Gbps certified, ideally the length should be between 6ft and 12ft for proper 600MHz/18Gbps pass-thru. For 4K30, 1080p or less almost all cables are ok. HDfury Maestro TX/RX acts as a HDMI repeater device. So having HDfury Maestro TX/RX in the path will amplify and recover the signal. You should not need any passive (or active) HDMI amplifiers, especially if you put the HDfury Maestro TX/RX in the middle of your cable run. If you previously had to use an amplifier, the HDfury Maestro TX/RX can most likely take its place. The HDfury Maestro TX/RX has been used with 50 foot (and longer) HDMI cables without issues including copper, active or fiber solutions.

How are the new lossless audio formats via HDMI input handled? E.g. DTS-HD/MA and DD/E-AC3: Are they stripped down to DTS core or Dolby Digital respectively to fit the requirements of the S/PDIF standard?
Lossless audio is transmitted through HDMI output only. HDfury Maestro TX/RX does not compress or otherwise downconvert the incoming audio. Only stereo and 5.1 sound can be output via SPDIF output. The analog output supports stereo only.

How do I hook up the audio from the Maestro TX/RX?
The Maestro TX/RX has both analog and digital (TOSLINK) audio output in one connector labeled "SPDIF + L/R". It's a 2-in-1 connector meaning that you can plug in either a 3.5mm stereo analog jack or a digital mini-TOLINK (3.5mm mini-jack) cable and get stereo analog sound or 5.1 Dolby/DTS digital sound out of the Maestro TX/RX. See further below for pictures of both types of connectors/cables.

Maestro TX/RX 3.5mm mini-TOSLINK digital audio cable:

If you'd like to use a "regular" TOSLINK cable, use a 3.5mm Mini-TOSLINK to regular TOSLINK adapter:

A 3.5mm stereo audio cable can be used for connecting the Maestro TX/RX to a TV if you do not have a home theater setup (you only have 2 speakers in your TV):

Highlight Hardware Features:

Maestro Exclusive: 18Gbps HDBT lossless transmission over 330ft/100m via CAT6A or superior

Maestro TX (Central) is featuring 4 HDMI inputs, 1 HDMI video output with scaling option and 1 dedicated HDMI full audio output at 720p or 1080p, LAN Control, HDbaseT output, RS232, L/R stereo or Optical 5.1 output, IR TX, IR RX, IR sensor, IR window, OLED display and 4 buttons on the side allowing to enter/exit and perform change in the device system menu.

Maestro RX device self-powered by the TX-Central is featuring HDbaseT input, 2 LAN port to share Internet connection with game console, TV or media player, 2 HDMI outputs with scaling capabilities, RS232, L/R stereo or Optical 5.1 output, SPDIF input, IR sensor, IR TX, OLED display and 4 buttons on the side to enter/exit system menu and perform changes in settings.

All inputs are capable of 4K HDR/HLG/DV/HDR10+ up to 18Gbps for video and support any sound format in existence today, all video outputs are capable of outputting 18Gbps and all sound formats as well whether they are on the TX-Central or the RX one.

Both units are always running in a Matrix/Scaler mode ensuring your setup remains optimized at its best capabilities.

4×3 Splitter/Switcher up to 4K60 4:4:4 600MHz 18Gbps + HDMI audio out

Splitting any signal up to 4K60 4:4:4 600MHz signal is now a reality, thanx to IR/RS232/push buttons or Webserver, you can easily switch between 4 inputs that will be replicated up to 3 outputs. HDCP conversion and scaling rules are auto configured and applied on the fly in order to always output the type of video signal and HDCP encryption that your display or sink device is expecting.

4×2 Matrix up to 4K60 4:4:4 600MHz 18Gbps + HDMI audio out + Downscaled output

Matrix solution is available for HDMI stream up to 4K60 4:4:4 8b, 4K60 4:2:2 12b, 4K120 4:2:0 8b or 8K30 4:2:0 8b. Process two 18Gbps signals at the same time from 2 sources to 2 sinks devices and eventually have one of the channel duplicated and converted in res/hdcp/chroma/color depth/color space/etc to a third output + HDMI audio out.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

Highlight Video Features:

HDR Fixer

Maestro TX/RX is capable of injecting and extracting live Infoframe and HDR metadata at any resolution in real time. Decipher incoming HDR/HLG/DV metadata and AVI infoframe, build your own Custom HDR metadata and AVI infoframe thru HDfury metadata and infoframe creator, translate HLG>HDR, replace or boost value from any metadata on the fly or simply disable all or just some of them. Additionally Maestro TX/RX also support VSIF, AUD, HVS, HFV and others infoframes.

EDID Manager with endless possibilities

Download EDID from any inputs or outputs, Upload or assign any EDID to any of the 4 inputs from a list of 100 predefined EDIDs (10 custom / 90 dedicated). It loads and reset HPD to present your chosen one automatically

5 different EDID modes are available: Copy TX0, Copy TX1, Fixed EDID, Custom or Automix.

In Automix EDID mode: 13 EDID flags can be forced and mixed thru 5 EDID Algorithms.

Maestro TX/RX automatically sniff and store DV mandatory string from connected DV capable sink.

Ultimate capabilities Up&Down Scaler up to 4K60 4:4:4 600MHz/18Gbps

Always feeding best capabilities HDMI signal to connected sink devices, automatically or manually. No matter if you have HDMI first generation or second generation equipment, any devices always get the best possible signal in FHD(1080p) or UHD(2160p) GUARANTEED. Featuring Upscale, Downscale, Passthru and Bypass mode as well as Chroma Conversion, Color Space and Color Depth modification on the fly at 8, 10, 12 and 16bit for FHD, UHD and DCI 4096x2160p. Each output can be set with individual scaling rules.

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Highlight Audio Features:

Extract up to Atmos HBR over TrueHD from TV eARC Input to ANY AVR input (eARC-KEY World 1st)
eARC (for up to Atmos High Bit Rate over True HD) is possible when eARC TV is connected at Maestro TX HDMI video output, extracted sounds from TV APPS will be output from TX HDMI audio output that can feed any AVR input. eARC is a TX capability only.

Extract up to Atmos over DD+ from TV ARC Input to ANY AVR input (ARC-KEY World 1st)
ARC (for up to DD+/Atmos over DD+ bitstream) is possible from both RX HDMI video out and TX HDMI video out. When RX HDMI out is used to extract ARC, you can select either ARC or the RX local SPDIF input that get routed back to TX (it's a selection). On TX you can select to route this Audio from RX to the HDMI3 (dedicated audio out) to feed any AVR input and/or optical output. Alternatively you can select either eARC/ARC from the TX0 on Maestro TX-Central and ignore the RX audio.

Max Audio capabilities and format extracted from any sources to feed any AVR input. (AVR-KEY)
Thru a dedicated HDMI Audio output, any HDMI sound format from any incoming signal is automatically extracted and forwarded via a 720p/1080p self-generated stream to feed any AVR input. High end ARC and eARC Audio format from TV apps are output to your AVR input thru the same HDMI Audio output.

HDMI Audio Extracting
HDfury Maestro TX/RX can extract HDMI audio up to 5.1 and pass-thru any sound format in existence today including Atmos and latest via HDMI while downscaling the video for older AVRs, it have a simultaneous output of analog L/R stereo and up to 5.1 optical S/PDIF via 3.5mm combo jack connector.

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Highlight Convenience Features:

Autoswitch ANY sources (World 1st)

TMDS/pixel clock switching, sole switch in the world capable of autoswitching sources such as ATV4K, X1X, Shield or any others sources devices who keep sending +5v in standby and that no switcher in the world can autoswitch.

Furiously advanced Web Server

If you though, like people claim, that we have the best Windows GUI software… Now discover the brand new HDfury Webserver. More powerful with more available options than any Windows GUI we ever did, controlling your HDfury has never been so easy, fast and elegant. No more driver installation or hassle of any kind, superfast in-system firmware update and wide compatibility with any web browser devices (Mac/Win/Linux/iOS/Android and others). Just type in your Maestro URL in your browser address bar and start controlling and supervising your setup!

HDMI Explorer (OSD/OLED/WEB)

Signal and setup info is everywhere and always available at first sight. Enhance your AV knowledge thru exact signal timing report with up to 3 digits decimals accuracy on frame rate. Display source name, resolution, chroma, colordepth, colorspace, hdcp, cst1, VIC, eotf, colorimetry, primaries, white point, max/min lum, maxCLL, maxFall, range and various infoframe (hdr, hlg, dv, spd, aud, hvs, vsi, hfv). Our new generation hardware is bringing HDMI explorer to another level, simply anything that travel thru is intercepted and exposed to the user via OLED display, On Screen Display or Web server.

RS232 Control your unit and command your display

Initially build for and by the JVC PJ owners community, Maestro is now capable of sending any custom RS232 commands to any RS232 capable display based on incoming signal types or particular metadata value. Decide which RS232 commands to send to your display when content is 3D, HDR10, SDR BT709, SDR BT2020 and more. All Maestro TX/RX controls are also available via RS232 commands in order to ensure a total control from any serial based computer.

TOTAL CONTROL

Maestro TX/RX can be controlled via IR/RS232/push buttons or any web browser based devices (MAC/WIN/Linux/Android/iOS/etc..) thru embedded Webserver. RS232 is compatible for any serial based computer, IR control and various physical buttons for configurations are also available. Thanks to the community, IR pronto code list is added to [iRule](#) and [Logitech Harmony](#) for even easier and seamless integration

HDMI/CEC TOTAL COMMANDER

HDfury Maestro TX/RX offers a unique CEC command manager, with CEC compatible equipment. CEC commands allow a HDMI device to send commands to connected HDMI devices.

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Highlight HDCP Features:

Unique HDCP Doctor

Providing a total of 15 HDCP 1.4 and 2.2 engines for decryption/encryption, HDfury Maestro TX/RX offers a total HDCP workaround solution including HDCP 2.2 > HDCP 1.4 and HDCP 1.4 > HDCP 2.2 both ways conversion within the same unit. It is capable of connecting any HDCP1.x or HDCP2.x source devices to any HDCP1.x or HDCP 2.x sink devices. Each RX block decrypts the input first whether its 1.x or 2.x. Then each output port can individually encrypts it to 1.4 or 2.2 or not encrypt it at all if it was not encrypted initially. Dual conversion can be operated on all channels simultaneously.

Display HDCP 2.2 Content with Non-HDCP2.2 Compliant Devices

HDCP 2.2 is the new copy-protection scheme for 4K UHD content. Source devices, including media servers and head-ends like Netflix, will encode their 4K content with this new scheme. TVs must be HDCP 2.2-enabled to play it, and everything in the video chain including switches and receivers must be compliant as well, or the display will go dark and/or display a HDCP error message. Bad news for consumers who have purchased expensive, high-bandwidth, processor-rich switchers, receivers and displays to accommodate 4K. Once Maestro TX/RX is an active part of your setup such issue will not bother you ever again.

Disclaimer: *3rd party and/or custom firmware providing extra features are not covered in this manual.*

Main Specifications

› 4x Input / 3x Output Splitter/Matrix/Scaler + Audio out (HDMI2.0b/HDMI1.4/DVI1.0 compatible)
■ 4K60 4:4:4 600MHz 18Gbps Pass through
■ 4K24/25/30/50/60 <> 1080p24/25/30/50/60 Upscale/Downscale with or without colordepth maintained and with or without chroma conversion.
■ Video Bandwidth - 18 GBP/sec.
■ HDR10+/Dolby Vision Support.
■ 4K 10, 12, 16 Bit Support
■ 16 Bit Per Pixel Deep Color Depth Available (48 Bit)
■ Max Res: 4K60 4:4:4 8b, 4K60 4:2:2 12b, 4K120 4:2:0 8b or 8K30 4:2:0 8b
■ Signal Conversion: Resolution, Chroma Subsampling, Color Space, Color Depth, HDCP

› HDCP Doctor (HDCP Workaround solution to any HDCP error)
■ HDCP 2.2 > HDCP 1.4 conversion
■ HDCP 1.4 > HDCP 2.2 conversion
■ HDCP x.x > HDCP x.x conversion
■ Dual HDMI2.0b & HDMI 1.4 combined
■ Dual HDCP 1.4 & HDCP 2.2 combined

› CEC Support: For inter-device control between both inputs and the primary output TX0 HDMI channel.
› OLED infoscreen and OSD to provide useful and insight view of signal information
› Audio Extracting: Audio De-Embedder of Optical & Analog L/R

› Advanced EDID management via USB, IR or Bluetooth APP
■ Improved EDID Management solution with either a Selected EDID bank, Custom uploaded EDID, Self-generated Automix EDID or a Fixed basic EDID.
■ Sniff EDID from connected sink devices, Save, Edit, Load any custom EDID table at any time.
■ Select and pick any EDID of your choice from a preloaded list of EDID tables, it loads and reset HPD to present your chosen one automatically.
■ AutoMix EDID feature will create a custom EDID by mixing both sink EDID connected to the splitter output ports.
■ Some EDID flags can be forced in Automix such as: Stereo/5.1/Full/YCbCr/BT2020/HDR/3D
■ Each input can run a specific/individual EDID.

› Infoframe Modes: Capture, edit, block or replace HDR metadata, AVI & VSIF.
Read SPD, Audio, HDMI Vendor, HDMI Forum
› Control Modes: IR, Windows GUI, RS232 for Linux/MAC/Win, Android/iOS with GoBlue.
› HDMI Booster/Extender: Capable of extending 1080p resolution up to 15m. in and 15m. out (30m. total for 1080p), UHD resolution up to 10m.
› HDMI Doctor: Solves most HDMI integration issues such as HDCP, EDID, HPD, and audio breakout.

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> HDMI Equalevel: Precise signal equalization for both input and output signals delivers the best possible picture quality with no dropouts.

> Hot-Plug control: Force the input device to always see an active connection.

> Deep Color Support

> xvYCC Color Support

> Flexible/Portable/Plug'n Play

> 3D Ready: Capability to pass 3D stereoscopic signal formats.

> Public API/DLL access and extensive control to extract, edit and inject HDR metadata, AVI and VSIF Infoframe. Read SPD, Audio, Vendor Specific and more.

> Share your config with the community, display any text on OSD, set your start page, remove visually annoying or lamp consuming artifacts like TV channel logo and more.

Supported Audio/Video Signals

> Supported Format: SD/HD/FullHD/UHD/4K30/4K60, basically INPUT/OUTPUT any video format up to 4K60 4:4:4 600MHz 18Gbps.

> Supported Resolution examples:
480p/720p/1080i/1080p24/1080p25/1080p30/1080p50/1080p60/1440p50/1440p60/2160p24/2160p25/2160p30/2160p50/2160p60 and DCI

> Support all UHD/BR and HDR standard resolution: 4K60 4:2:2 12bit BT2020 HDR, 4K60 4:2:0 10bit BT2020 HDR, 4K60 4:2:0 12bit, 4K30 4:4:4 12bit, ..

> Support all VESA mode video formats (PC Resolutions) up to ultra-high resolution such as WQSXGA, QUXGA, QFHD, WQUXGA, 4K

> Support any Audio format such as PCM at up to 192kHz, compressed audio (IEC61937), DSD, DST,DTS, DTS-HD, Dolby True HD, DTS-MA, HBR, DD+, DTS:X and Dolby Atmos.

Technical Specifications

> I/O: 4x HDMI In, 4x HDMI Out, IR, RS232, 3x RJ45, Analog Mini Jack, Optical S/PDIF Out.

> OLED Display: 3.12" diagonal, 256×64, 16 blue colors (TX); 1" diagonal, 128x64, 2 colors (RX)

> Audio: PCM at up to 192kHz, compressed audio (IEC61937), DSD, DST, DTS, DTS-HD, Dolby True HD, DTS-MA and HBR.

> Power Supply: External 48 Volt

> Input Lag: <1ms (nanoseconds count)

> TX Product Dimensions: 4.5"L x 7.3"W x 0.9"H – in CM: 11.5 x 18.5 x 2.4 Weight: 520g – 1.15 LBS

> RX Product Dimensions: 4.3"L x 5.5"W x 0.9"H – in CM: 11 x 14 x 2.4 Weight: 410g – 0.9 LBS

> Shipping Dimensions: 6.3" x 4.2" x 3.3", Weight: 16 oz

> Enclosure: Black PVC/black metal with Blue OLED

> Regulation: CE, EAC, FCC, RoHS, WEEE

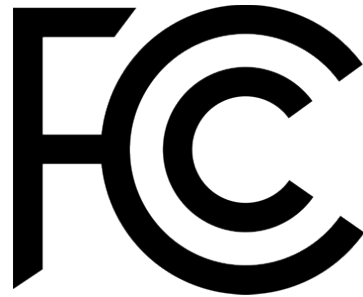**Disclaimer:** *3rd party and/or custom firmware providing extra features are not covered in this manual.*

Certifications

C E

Maestro TX/RX CE Certification

RoHS COMPLIANT

Maestro TX/RX RoHS Certification

FCC

Maestro TX/RX FCC Certification

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Pro Tips

-Dolby Vision: DV mode 0 and 1 travels thru 8b RGB container, so it is normal that Maestro TX/RX report RGB 8b when playing such DV mode. If Maestro TX/RX is not directly connected to your DV TV and you have equipment in between, please first connect Maestro TX or RX TX0 output to your TV input and let Maestro TX/RX boot up. Then disconnect and insert equipment in between. Maestro TX/RX will sniff the DV string from your TV EDID and present it to your source, therefor allowing you to go thru equipment that doesn't support Dolby Vision.

- HDMI TX0 Output is CEC/ARC capable on RX, CEC/ARC and eARC capable on TX

- Ex of AVI InfoFrame:
BT.2020 RGB 00:E8:64:5D:00
BT.2020 YCbCr 4:2:2 20:E8:64:5D:00
BT.2020 YCbCr 4:4:4 40:E8:64:5D:00
BT.2020 YCbCr 4:2:0 60:E8:64:5D:00
4k24 422 709 ycbcr no-bt2020 20:88:00:00
4k24 422 ycbcr bt2020 20:c8:60:00
4k24 444 709 ycbcr no-bt2020 40:88:00:00
4k24 444 ycbcr bt2020 40:c8:60:00
1080p 422 709 ycbcr no-bt2020 20:88:00:10
1080p 422 ycbcr bt2020 20:c8:60:10

-iRule use \x0D instead of \r (or \x0A for /n) to terminate the RS232 command string.

- Some sources like X1S or K8500 might need to have powercord removed/reconnected between EDID changes

- Atmos via ARC require HDMI Cable that support 192khz ARC, even if a cable support 600MHz video signal it can still fail for 192khz audio signal.

- You can read one, or mix two connected Sink EDIDs, apply forced flags and algo to it and then save it as an EDID file, thus creating your own Custom EDID variation.

- Any 4:2:2 signals is always processed at 12b and never clipped. That's why it mentions "up to 12b".

- Source VS Maestro TX/RX frame rate reported: Actually very few devices will report the correct frame rate. It is all about the clock frequency, the theory is 24/1.001 = 23.976023976
BUT there is no PLL (https://en.wikipedia.org/wiki/Phase-locked_loop) at the source that actually gives a corresponding clock which would yield that. So once a signal leaves the source, the clock is always off and usually ebbs and flows, means changes all the time. We just decided to show what it really is from the particular source rather than approximating what it should be as many are doing since they cannot report exact frame rate like we are doing with Maestro TX/RX.

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Team HDfury thanks you for your support

For help visit our support server or contact us.

Maestro TX/RX was built with love and passion.

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