PureTools

User Manual

HDMI 2.0 3x1 Multi-format Presentation Switcher

Model PT-PSW-31I

Designed in Germany

Preface

Read this user manual carefully before using this product. Pictures shown in this manual are for reference only. Different model layouts and specifications are subject to the physical product.

This manual is for operation instructions only, not for any maintenance usage.

In the constant effort to improve our product, we reserve the right to make changes in functions or parameters without prior notice or obligation.

Trademarks

Product model and logo are trademarks. Any other trademarks mentioned in this manual are acknowledged as the properties of the trademark owner. No part of this publication may be copied or reproduced without the prior written consent.

FCC Statement

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. It 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 commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.

FC

REACH | 1907/2006/EU

ROHS | 2011/65/EU

PureLink hereby declares that this product **PureTools PT-PSW-31I** complies with Directives 1907/2006/EU und 2011/65/EU.

EMC / LVD (Electro Magnetic Compatibility / Low Voltage Directive)

PureLink GmbH hereby declares that this product **PureTools PT-PSW-31I** complies with Directives 2014/30/EU and 2014/35/EU. The full text of the EU Declaration of Conformity is available at the following Internet address:

http://www.purelink.de/ce/4251364718315_CE.pdf

SAFETY PRECAUTIONS

To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of protrusion.
- Do not remove the housing of the device as opening or removing the housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with sufficient ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

Product Introduction

The PT-PSW-31I is an HDMI 2.0 3x1 Multi-format Presentation Switcher converting AV signal from HDMI, Mini DP and USB-C inputs to HDMI output.

The PT-PSW-31I is a green low energy consumption product which has a various application in different places, such as classroom, small meeting room, lecture hall, and etc.

Features

- Supports HDMI, Mini DP and USB-C input signals to be converted to HDMI signals.
- Auto-detects the input signal, the last connected signal source will be switched to the output automatically.
- Starts to scan from HDMI to USB-C and switch the first detected source to output.
- Supports Mini DP and USB-C input video resolution up to 4K@30Hz 4:4:4.
- Supports HDMI input and output video resolutions up to 4K@60Hz 4:4:4 HDR and Dolby Vision.
- HDCP 2.2 compliant.
- Powered via USB-A from display end.
- LED for power indicating.

Packing List

- 1x PT-PSW-31I
- 1x User Manual

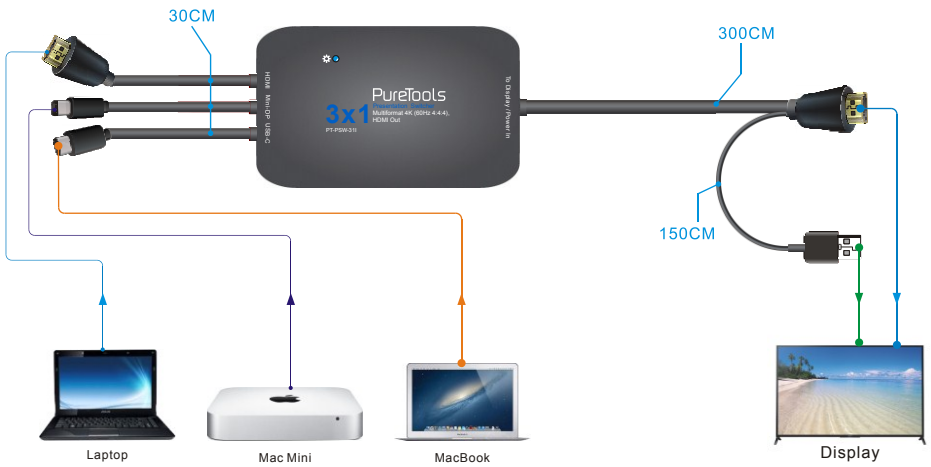*Note: Please contact your distributor immediately if any damage or defect in the components is found.*

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Panel Description

① Type-A HDMI input port to connect the device with HDMI output.

② Mini DP input port to connect Mac MINI or other devices with Mini DP output.

③ Type-C USB input port to connect MacBook, Chromebook or other devices with SlimPort output.

④ The power LED illuminates blue when power is applied and is off when no power is present.

⑤ Type-A HDMI output port to connect display.

⑥ Type-A USB port to connect the display or other device to power the switcher.

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System Connection

The following diagram illustrates typical input and output connections that can be utilized with this switcher:

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Technical Specification

Input	
Connector Type	(1) Type-A HDMI, (1) Mini DP, (1) Type-C USB
HDMI Video Resolution	Up to 4K@60Hz 4:4:4, HDR
Mini DP Video Resolution	Up to 4Kx2K@30Hz 4:4:4
USB-C Video Resolution	Up to 4Kx2K@30Hz 4:4:4
HDMI Audio	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.
HDMI Version	2.0
DP Version	1.2
HDCP Version	2.2, Pass-through
HDMI/Mini DP/USB-C Input Cable Length	30cm
Output	
Connector Type	(1) Type-A HDMI, (1) Type-A USB
HDMI Version	2.0
DP Version	1.2
HDCP Version	2.2, Pass-through
Video Resolution	Up to 4K@60Hz 4:4:4, HDR
HDMI Output Cable Length	300cm
USB-A Cable Length	150cm
General	
Operation Temperature	-5 ~ +55℃
Storage Temperature	-25 ~ +70℃
Relative Humidity	10% ~ 90%
Power Supply	Powered via USB-A from display end.
Power Consumption	Max. 1.8w
Dimension (W*H*D)	135mm x 83mm x 20mm
Net Weight	370g (Including cables)

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After-Sales Service

If problems occur while operating the product, please use the troubleshooting and maintenance information in this manual to deal with these problems. Any transport costs are borne by the user during the warranty period.

1) **Product Limited Warranty:** The product will be free from defects in materials and workmanship for **two years** (purchase invoice date shall prevail).
   A proof of purchase is the evidence that the unit is within the warranty period. A bill of sale or receipted invoice must be presented to obtain warranty service.

2) **What the warranty does not cover (servicing available for a fee):**
   - Warranty has expired
   - The factory applied serial number has been altered or removed from the product.
   - Damage, deterioration or malfunction caused by:
     - Normal wear and tear.
     - Use of accessories, supplies or parts, not meeting our specifications.
     - No bill of delivery or invoice as proof of warranty.
     - The product model displayed on the warranty card does not match the product model for repairing or it has been altered.
     - Damage caused by force majeure.
     - Servicing, not authorized by distributor.
     - Any other cause not related to a product defect.
   - Delivery, installation or labor charges for product installation and/or product setup.

3) **Technical Support:** For any questions or problem troubleshooting inquiries, contact your distributor or reseller. Please provide the respective product name and version, a detailed description of the failure situation as well as how the failure occurred.

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Asking for Assistance

Technical Support:

Phone: +49 5971 800299 -0

Fax: +49 5971 800299 -99

Technical Support Hours:

8:30 AM to 5:00 PM Monday thru Thursday

8:30 AM to 4:00 PM Friday

Write to:

PureLink GmbH

Von-Liebig-Straße 10

D - 48432 Rheine

www.purelink.de

info@purelink.de