

Specification Sheet

HDMI 2.0 4K@60Hz 4x2 Matrix with Audio Extraction, Pro

Model No. WST-PMX001



Introduction

WST-PMX001 is a multi-port solution for distributing content from multiple sources into two displays in a variety of configurations. Supporting HDMI 2.0 18G signals, this matrix allows for the transmission of clear 4K Ultra HD 60Hz resolutions while providing additional support for High Dynamic Ranges. This ensures that the video content can be viewed with enhanced brightness, greater contrasts and a much wider colour gamut. With an HDMI audio pass-through, the 3.5mm audio port allows for a separate connection of analogue speaker systems and optical audio devices such as soundbars and amplifiers; this creates immersive audio experiences to compliment the video on screen. This matrix can be configured in multiple ways: the push button on the unit, a remote control, a WebGUI control that provides remote configuration and operation, as well as command control, which is compatible with other environment control systems.

Key Features

- Supports max resolutions up to 4K@60Hz 4:4:4; bandwidth up to 18Gbps
- HDCP 2.2 / HDCP1.4 compliant
- Control the device via panel buttons, IR remote, WebGUI, & Command control
- Allows for firmware updates
- Supports SPDIF out / Analog audio 2.0 extraction
- Supports various audio formats: LPCM7.1 / 24-bit / 96 kHz, Dolby Atmos and DTS-X
- Supports Dolby Vision & HDR10
- Supports 3D, deep color max 12bit
- Supports CEC and ARC
- Supports EDID Management (Mixed EDID, Copy EDID, Build-in EDID)
- Can be controlled by other environment control systems via Command

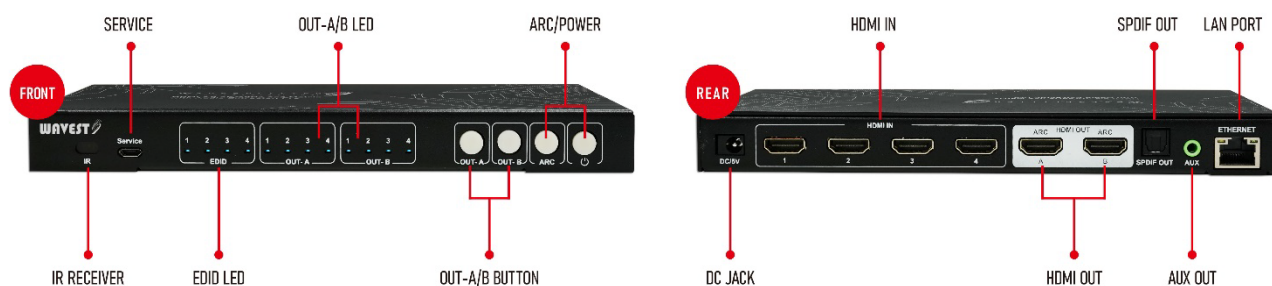
Package Contents

4x2 Matrix x 1 | 5V/1A Multi-Country Power Adapter x 1 | Brackets x 1 | Remote Controller x 1

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Specifications

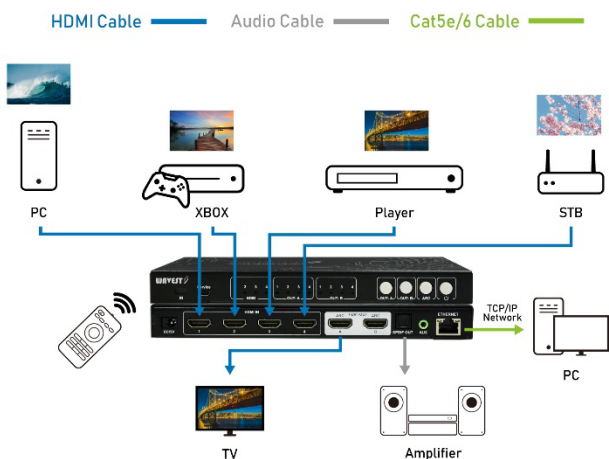
Interface	
Inputs	HDMI Type-A (Female) x 4
Outputs	Video : HDMI Type-A (Female) x 2 Audio : Analog-AUX x 1 Digital-SPDIF x 1
Transmission	
HDMI Compliant	HDMI 2.0b
HDCP Compliant	2.2 / 1.4
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p (TTL)
Output Signal	HDMI
Output Resolution	640x480P@60Hz; 1024x576P@50Hz; 1024x720P@60Hz; 1920x1080P@24Hz / 50Hz / 60Hz; 3840x2160P@30Hz / 60Hz; 4096x2160P@30Hz / 60Hz
Audio Format	LPCM7.1 / 24-bit / 96kHz, Dolby Atmos and DTS-X
IR Frequency	38-56 kHz
Power	
Power Supply	5V/1A DC
Max. Power Consumption	2.5W
Environment	
Operating Temperature	-5°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Product Structure	
Main Material	Iron
Size W x D x H	210 x 104 x 20.5 mm
Weight	660g
Country of Origin	China
Certification	
Safety & Emission	CE / FCC / RoHS / REACH



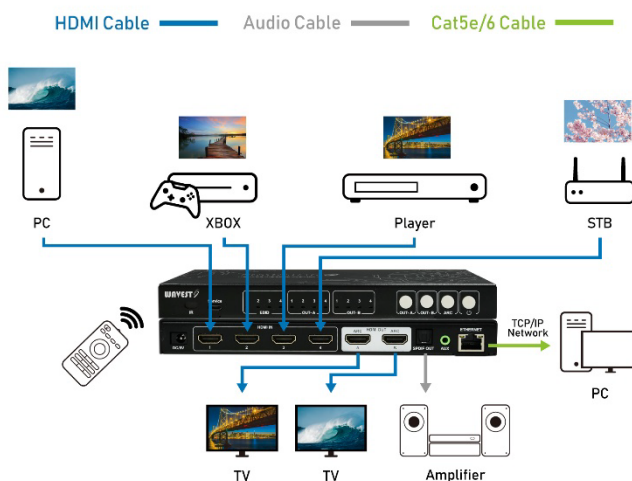
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Applications

Switch Application



Matrix Application



Audio Application

