8 x 8 HDMI 4K60Hz Seamless Matrix with Audio Extraction PRO



No.WST-PMX006

Introduction

WST-PMX006 is a professional 4K 8 x 8 HDMI seamless matrix switcher featuring instant, glitch-free switching and free scaling up to 4K@60Hz, with SDR / HDR support on all outputs. It allows eight HDMI sources to be routed to eight HDMI displays seamlessly, delivering smooth transitions for live presentations and AV distribution.

In addition to advanced video processing, the WST-PMX006 provides 4 x LINE OUT analog audio outputs with independent routing, allowing audio from any of the eight HDMI inputs to be assigned to any of the four analog outputs. This enables flexible audio breakout to external amplifiers, speakers, or recording / streaming systems.

For easy integration and operation, the unit supports multiple control methods, including front-panel buttons, API commands, and a Web GUI. Designed for both 1U rackmount and standalone installations, the WST-PMX006 delivers high-performance 4K A/V switching and distribution—ideal for corporate training rooms, hotel conference rooms, university classrooms, and other professional AV environments.

Key Features

- Seamless 8 x 8 HDMI switching with no black screen
- Supports 18Gbps bandwidth and up to 4K@60Hz 4：4：4
- HDCP 2.3 / 2.2 / 1.4 compliant
- Supports Dolby Vision and HDR10
- Independent downscaling on each HDMI output for mixed-resolution displays
- 4 x balanced analog audio outputs with independent switching
- Supports AV Mute and de-embedded audio control per output zone
- Advanced EDID management
- CEC display power control with automatic, manual, scheduled, and signal-loss trigger options
- Multiple control methods: front-panel buttons, Web GUI, RS-232, Telnet, and API commands
- 24 preset routing configurations, compatible with WST-ECR001
- Supports third-party control system integration and low-power standby via API
- TAA compliant; Made in Taiwan

Package Contents

8 x 8 Matrix x 1 | UK / EU / AUS / US AC power cord cables x 4 | Phoenix Male Connector（3-Pin）x 1 | Phoenix Male Connector（5-Pin）x 4 | Rackmount Ears Set x 1

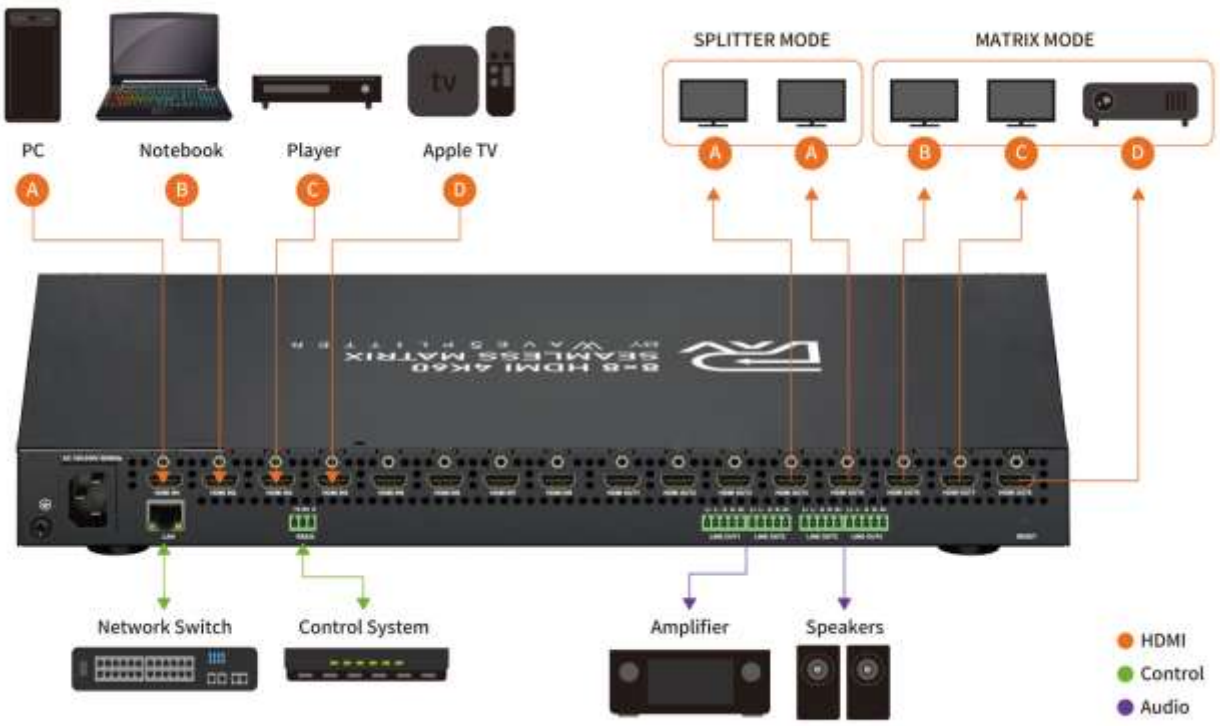
Specifications

Interface	
Video Input	HDMI Type-A（Female）x 8
Video Output	HDMI Type-A（Female）x 8
Audio	Balanced Analog Audio Line In（5-Pin Phoenix Terminal Block）x 4
Control I/O	RS-232（3-pin Phoenix Terminal Block）x 1 Control Port（RJ-45）x 1
Transmission	
HDMI Compliant	HDMI2.0b
HDCP Compliant	2.3 / 2.2 / 1.4
Output Resolution	4096x2160@60Hz / 3840x2160@60Hz / 2560x1600@60Hz / 1920x1200@60Hz / 1920x1080@60Hz
Audio Format	HDMI Audio Pass-Through Balance Audio output：PCM 2.0
Power	
Power Supply	AC 100~240V 50/60Hz
Power Consumption	68W
Environment	
Operating Temperature	0˚C ~ 45˚C
Storage Temperature	-20˚C ~ 70˚C
Product Structure	
Main Material	Iron
Size W x D x H	440 x 43.5 x 330mm
Weight	4680g
Package	
Barcode EAN	4710582481383
Country of Origin	Taiwan
Certification	
Safety & Emission	CE / FCC / RoHS / REACH

Panel Overview



Connection Diagram



Compatible Products

Category	Extender	
IN/OUT	INPUT	OUTPUT
Max Distance	100m	100m
Max Resolution	4K60Hz 4 : 4 : 4	

※ Actual performance may vary depending on the extender specifications. For best performance, please use with Wavesplitter extenders.

Category	Passive Cable				Active Cable	
IN/OUT	INPUT	OUTPUT	INPUT	OUTPUT	INPUT	OUTPUT
Max Distance	7.5m	7.5m	15m	15m	30m	30m
Max Resolution	4K60Hz 4 : 4 : 4		4K30Hz 4 : 4 : 4 & 1080p		4K60Hz 4 : 4 : 4	

※ For best performance, please use with High quality HDMI cables.