



CDPS-U4H4HSA

4 by 4 HDMI with Audio Matrix Fast Switch



Operation Manual

DISCLAIMERS

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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

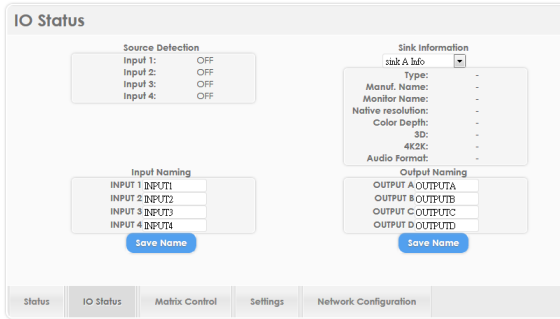
- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

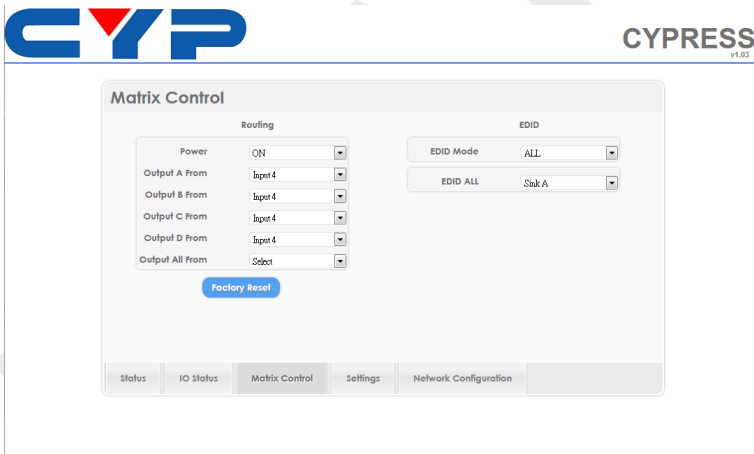
VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
RDV1	21/05/14	Preliminary Release

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Click on Matrix Control for outputs and EIDID selections.



Click on Settings to set each input's HDCP Control and Preset Configuration.

Settings

HDCP Control

HDCP Enable
 HDCP Enable
 HDCP Enable
 HDCP Enable

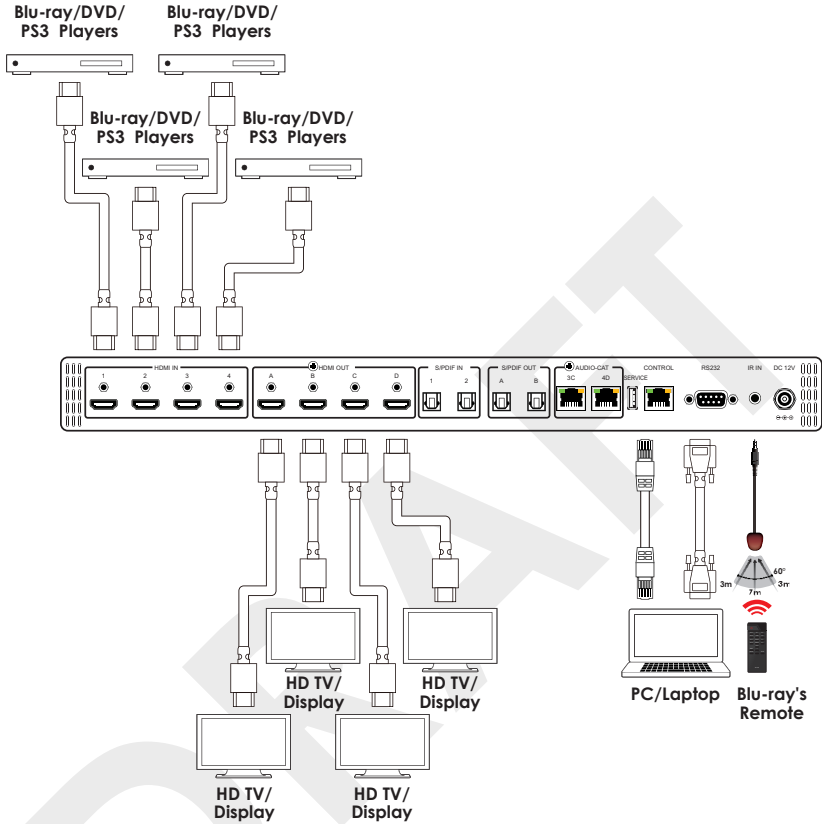
Presef Configuration

PRESET 1	<input type="button" value="OUTPUT A: Input 1"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT B: Input 1"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT C: Input 1"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT D: Input 1"/> <input type="button" value="v"/>
PRESET 2	<input type="button" value="OUTPUT A: Input 2"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT B: Input 2"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT C: Input 1"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT D: Input 1"/> <input type="button" value="v"/>
PRESET 3	<input type="button" value="OUTPUT A: Input 3"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT B: Input 3"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT C: Input 1"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT D: Input 1"/> <input type="button" value="v"/>
PRESET 4	<input type="button" value="OUTPUT A: Input 4"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT B: Input 4"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT C: Input 1"/> <input type="button" value="v"/>	<input type="button" value="OUTPUT D: Input 1"/> <input type="button" value="v"/>

Click on Network Configuration to set the device's IP configuration. Once the changes is saved the system will reset the IP address on the device automatically and user will need to re-enter the IP address to continue the Web GUI function.

Network Configuration

7. CONNECTION DIAGRAM



8. SPECIFICATIONS

Frequency Bandwidth	340Mbps to 3Gbps
Input Ports	4 x HDMI, 2 x S/PDIF 1 x USB (Service only) 1 x Control 1 x RS-232 1 x IR
Output ports	4 x HDMI, 2 x S/PDIF, 2 x AUDIO-CAT
Resolution	480i~1080p@50/60, 1080p@24, 4K x 2K (3840x2160/4096x2160@24/50/60Hz Y420)
Output Level	VGA~WUXGA
THD+N	
Frequency Response	
SNR	
Crosstalk	
IR Frequency	30~50kHz
Power Supply	12VDC/3A (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	438mm (W) x 269mm (D) x 44mm (H) /Jacks Excluded 482mm (W) x 278mm (D) x 50mm (H) /Jacks & Rack Ears Included
Weight	2936 g
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0°C~40°C / 32°F ~ 104°F
Storage Temperature	-20°C~60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (no condensation)
Power Consumption (W)	4.7

DVI and HDMI Supported Resolutions	Input	Output
640x480@60	✓	✓
640x480@72	✓	✓
640x480@75	✓	✓
720x480@60	✓	✓
720x576p@50	✓	✓
800x600@60	✓	✓
800x600@72	✓	✓
800x600@75	✓	✓
1024x768@60	✓	✓
1024x768@70	✓	✓
1024x768@75	✓	✓
1280x720@50	✓	✓
1280x720@60	✓	✓
1280x720p@60	✓	✓
1280x768@60	✓	✓
1280x800@60	✓	✓
1280x1024@60	✓	✓
1360x768@60	✓	✓
1600x1200@60	✓	✓
1920x1080i@50	✓	✓
1920x1080i@60	✓	✓
1920x1080p@24	✓	✓
1920x1080p@25	✓	✓
1920x1080p@30	✓	✓
1920x1080p@50	✓	✓
1920x1080p@60	✓	✓
1920x1200@60(RB)	✓	✓
3840x2160@24/25/30	✓	✓
4096x2160@24	✓	✓

Audio Sampling Rate Up to 192 kHz

HDMI input (Up to 192kHz)	HDMI output
LPCM 2CH	✓
LPCM 5.1CH	✓
LPCM 7.1CH	✓
Dolby Digital 2~5.1CH/ DTS 2~5.1CH	✓
Dolby TrueHD/ DTS-HD Master Audio	✓

Audio Format LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS 2~5.1CH (Pass through), Dolby TrueHD and DTS-HD Master Audio

HDMI input	HDMI output
LPCM 2CH	✓
LPCM 5.1CH	✓
LPCM 7.1CH	✓
Dolby Digital 2~5.1CH/ DTS 2~5.1CH	✓
Dolby TrueHD/ DTS-HD Master Audio	✓

9. ACRONYMS

ACRONYM	COMPLETE TERM
CEC	Consumer Electronic Control
DVI	Digital Visual Interface
HDCP	High-bandwidth Digital Content Protection
HDMI	High Definition Multimedia Interface
4Kx2K	3840x2160/ 4096x2160

DRAFT



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