



HDS-816

4K@30Hz 8x16 HDMITM Matrix

The **HDS-816** is an 8x16 HDMI Matrix Switch designed for professional AV environments, enabling seamless routing of 8 HDMI sources to 16 displays. Ideal for signage, and control rooms, it supports HDMI 1.4, HDCP 2.2, and resolutions up to 4K@30Hz with 10.2Gbps bandwidth. Audio formats include Dolby Digital, DTS 5.1, Dolby Atmos, DTS:X, and LPCM 7.1. Features include advanced EDID management, 16 customizable scene presets, and round-robin switching. Control options include front panel, IR, RS-232, or WebGUI, all housed in a reliable 2U rack-mount chassis.

DIMENSIONS & WEIGHT:

Length: 440mm / 17.32in **Width:** 285mm / 11.22in
Height: 88mm / 3.46in **Weight:** 3.88kg / 8.55lbs

PACKAGE CONTENTS: 1x HDS-816, 1x Remote, 1x Power Adapter, User Manual

KEY FEATURES:

HDMI 1.4 and HDCP 2.2 Compliant – Compatible with a broad range of HDMI devices and protected content.

Video Resolutions up to 4K@30Hz – Delivers high-definition video across all outputs.

10.2Gbps Video Bandwidth – Ensures stable, high-quality AV transmission.

8x16 Matrix Switching – Distribute any of 8 HDMI sources to any or all of the 16 HDMI displays.

Audio Format Support – Passes LPCM 2.0/5.1/7.1CH, Dolby Digital, Dolby Digital+, Dolby TrueHD, DTS 5.1, DTS-HD Master Audio, Dolby Atmos, and DTS:X via HDMI.

Advanced EDID Management – Allows fine-tuned compatibility settings between sources and displays.

Scene Save and Recall – Store and retrieve up to 16 custom routing presets.

Round-Robin Scene Switching – Automatically rotate through saved scenes at specified intervals.

Flexible Control Options – Operate via front panel buttons, IR remote, RS-232 commands, or intuitive WebGUI.

2U Rack-Mount Design – Durable and space-efficient for professional AV installations.

SPECIFICATIONS

CONNECTIVITY:

INPUT:	8 × HDMI [Type A, 19-pin female]
OUTPUT:	16 × HDMI [Type A, 19-pin female]
CONTROL:	1× RS 232-IN [D-Sub 9, female]
	1× RS 232-OUT [D-Sub 9, male]
	1× LAN [RJ45]

COMPLIANCES:

HDMI Compliance	: HDMI 1.4
HDCP Compliance	: HDCP 2.2

SUPPORTED HDMI CABLES:

HDMI 2.0	: We recommend using high quality HDMI 2.0 cables under 30 feet for optimum performance
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EXTENDING DISTANCE:

4K@30Hz	: 25 Feet
1080p@60Hz:	: 30 Feet

VIDEO OUTPUT:

Video Bandwidth	: 10.2 Gbps
Video Resolutions	: 4K@30Hz, 1080p@60Hz

ADDITIONAL FEATURES

CEC Function	: No
ARC Function	: No
USB KVM Function	: No
PoC/PoE Function	: No
IR Control	: Yes
Downmix Function	: No
Downscale Function	: No
Over IP Function	: No
HDBaseT Function	: No
RS-232 Function	: Yes

AUDIO SUPPORT:

HDMI Audio Formats:	: LPCM 2.0/5.1/7.1CH, Dolby Digital, Dolby Digital+, Dolby TrueHD, DTS 5.1, DTS-HD Master Audio, Dolby Atmos, and DTS:X
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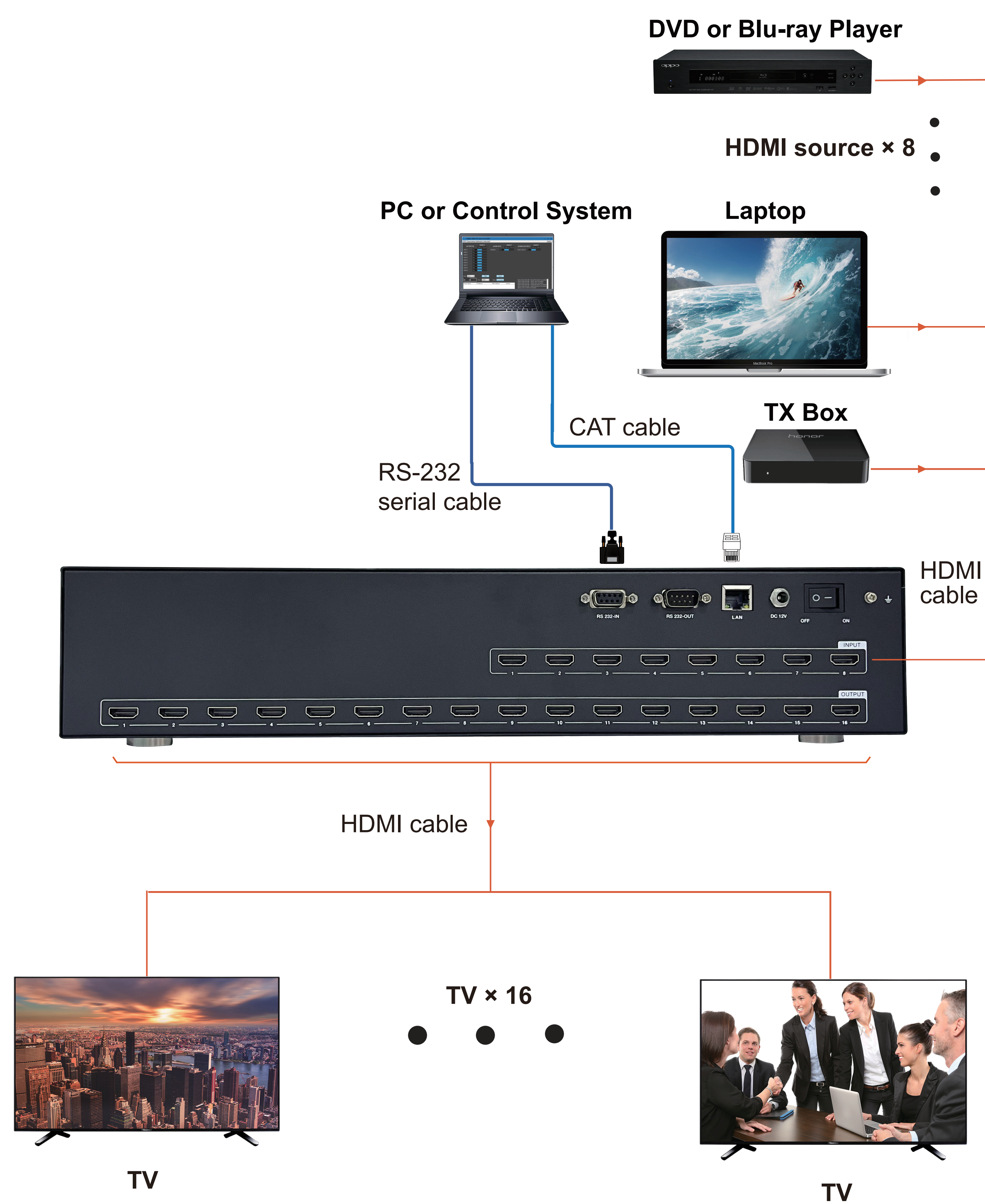
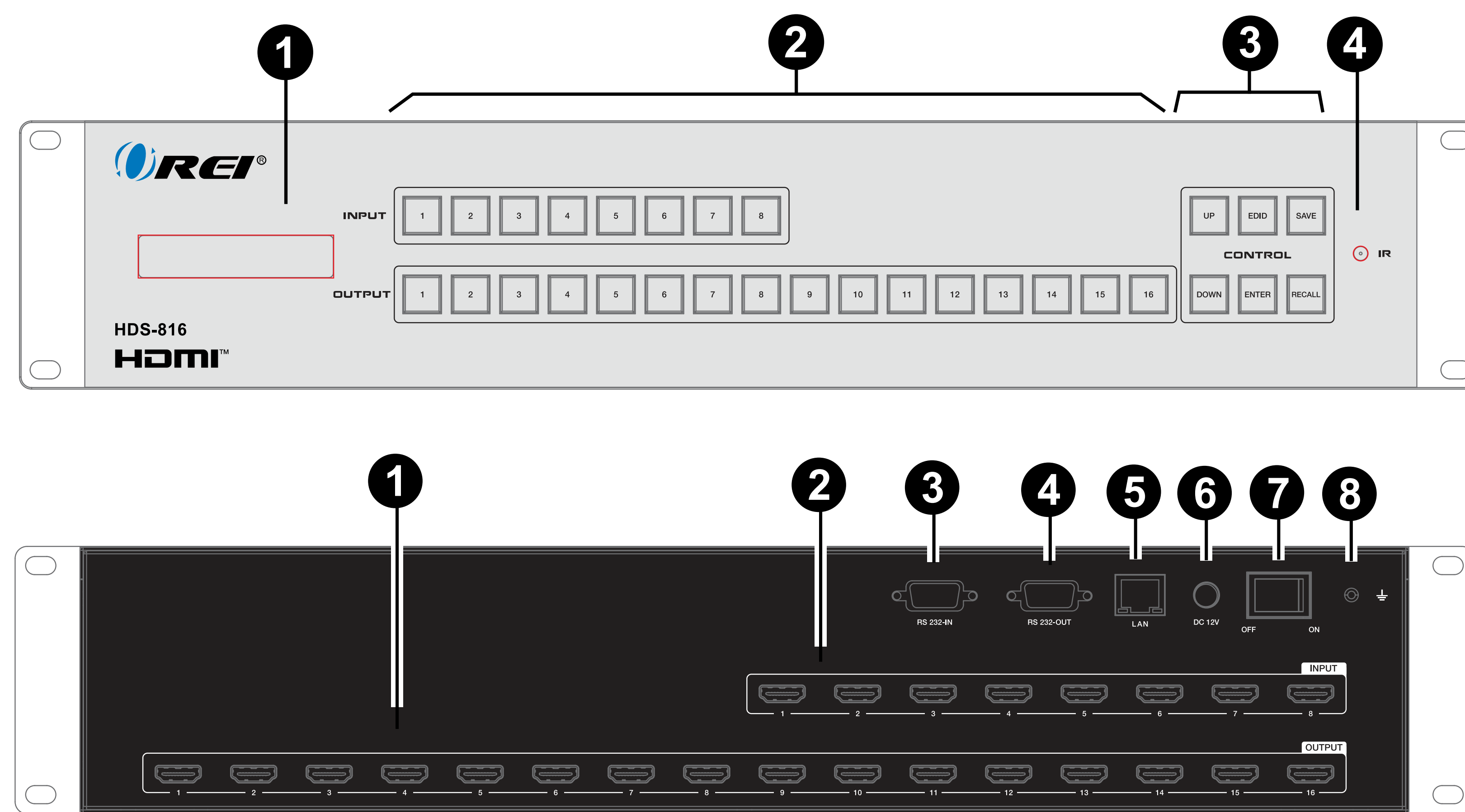
POWER:

Power Consumption	: 17.8W (Max)
Power Supply:	Input : Input: AC 100-240V 50/60Hz Output : DC 12V/3A





CONNECTION DIAGRAM



OVER 10 YEARS
EXPERIENCE



FULL 1 YEAR
LIMITED WARRANTY