

UHD-1616

4K@60hz 16x16 HDMI™ Matrix (Audio Extract)



The **UHD-1616** is a professional 16x16 HDMI matrix switch designed for high-performance AV distribution. It supports resolutions up to 4K@60Hz with 18Gbps bandwidth, ensuring uncompressed video and audio across all outputs. Each HDMI output offers independent downscaling from 4K to 1080p for mixed displays. Built-in audio extraction provides coaxial outputs per channel, with ARC support for compatible displays. Ideal for control rooms and large installations, it offers control via front panel, IR, RS-232, LAN, or Web GUI in a compact 1U rack chassis.

DIMENSIONS & WEIGHT:

Length: 440mm / 17.32in **Width:** 200mm / 7.87in
Height: 44mm / 1.73in **Weight:** 3.10kg / 6.83lbs

PACKAGE CONTENTS: 1x UHD-1616, 1x Remote, 1x RS-232 Cable, 2x Mounting Ears, 1x Power Adapter, User Manual

KEY FEATURES:

HDMI 2.0b and HDCP 2.2 Compliant – Compatible with modern video and content protection standards.

Video Resolutions up to 4K@60Hz – Delivers ultra-high-definition video on all HDMI ports.

18Gbps Video Bandwidth – Ensures smooth, uncompressed signal transmission with full color fidelity.

HDR & Dolby Vision Support – Compatible with HDR10, Dolby Vision, and HLG formats.

4K to 1080p Downscaling – Independent downscale on each HDMI output for flexible display compatibility.

HD Audio Pass-through – Supports up to 7.1 channels of LPCM, Dolby TrueHD, and DTS-HD Master Audio.

Audio Extraction – Extracts audio via 16 coaxial ports from HDMI outputs for external audio systems.

ARC and CEC Support – Enables ARC return from HDMI displays and supports full CEC device control.

Smart EDID Management – Ensures optimal resolution and audio negotiation across all connected devices.

Flexible Control Options – Operate via front panel buttons, IR remote, RS-232, LAN, or built-in Web GUI.

1U Rack-Mountable Design – Includes OLED front panel display for status and configuration visibility.

SPECIFICATIONS

CONNECTIVITY:

INPUT:	16 × HDMI [Type A, 19-pin female]
OUTPUT:	16 × HDMI [Type A, 19-pin female]
	16 × Coax [RCA]
CONTROL:	1 × TCP/IP [RJ45]
	1 × RS-232 [D-Sub 9]

COMPLIANCES:

HDMI Compliance	: HDMI 2.0b
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@60Hz	: 25 Feet
1080p@60Hz:	: 30 Feet

VIDEO OUTPUT:

Video Bandwidth	: 18 Gbps
Video Resolutions	: 4K@60Hz, 1080p@60Hz

ADDITIONAL FEATURES

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

AUDIO SUPPORT:

HDMI Audio Formats:	: LPCM, Dolby TrueHD, and DTS-HD Master Audio
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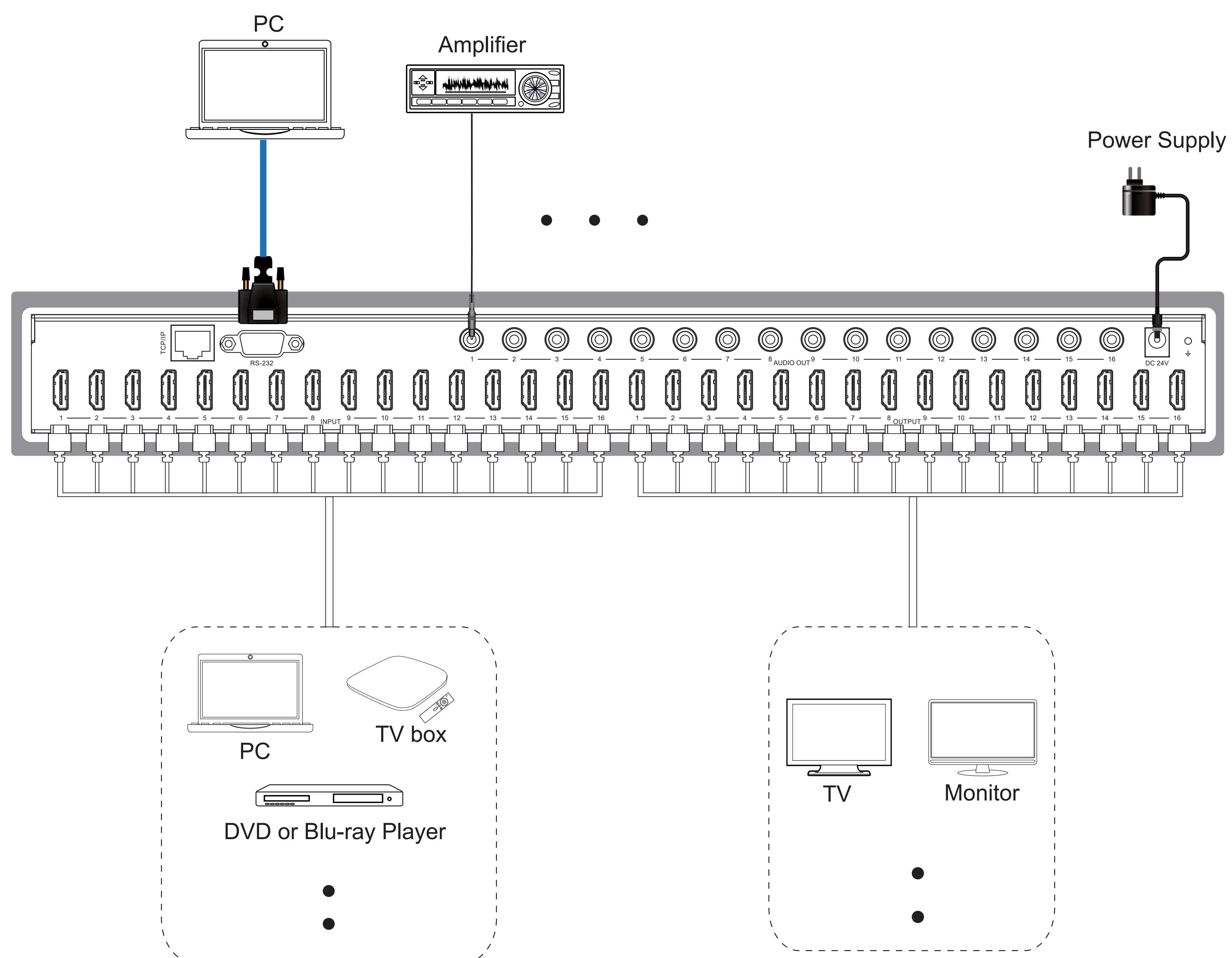
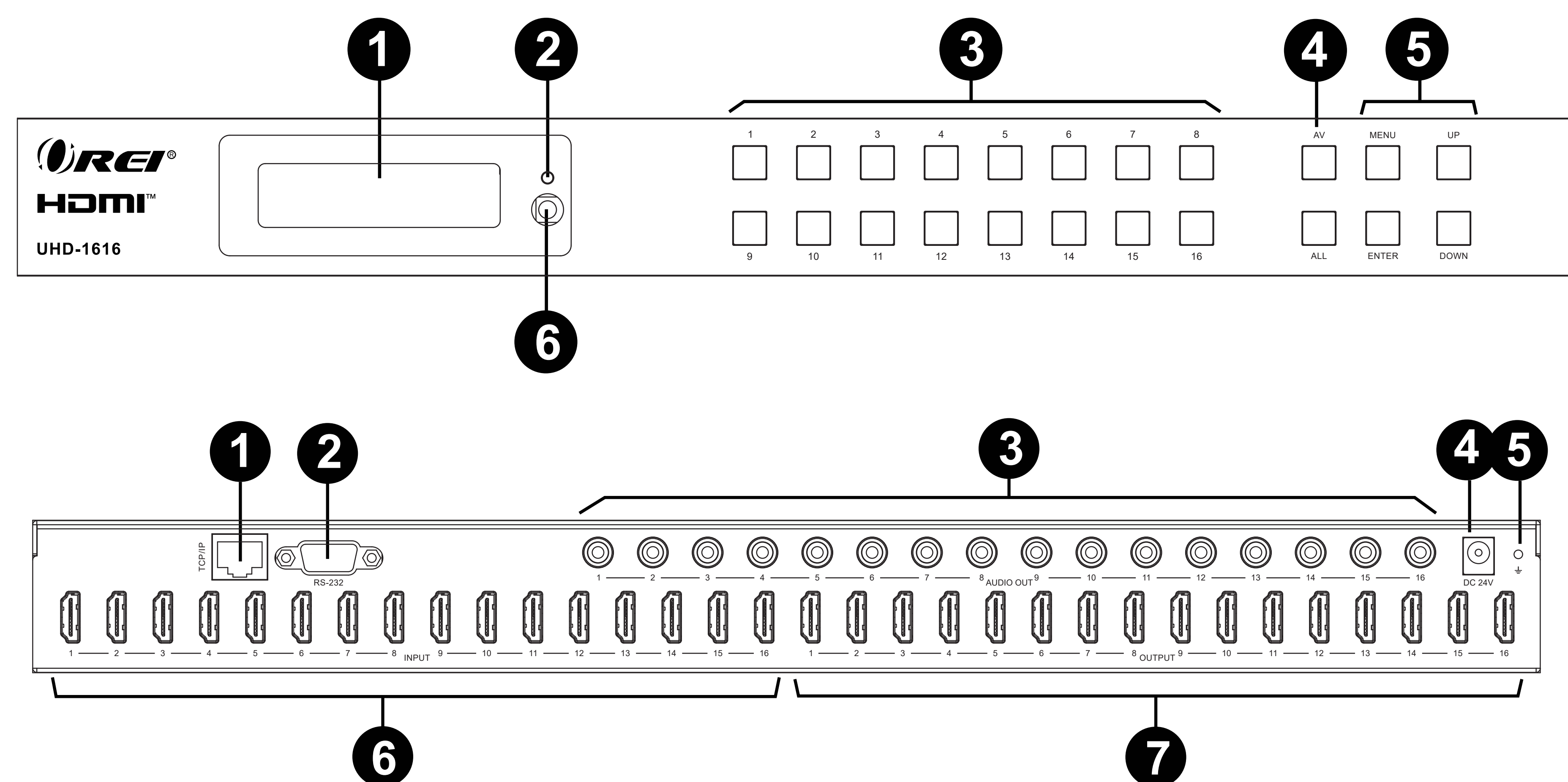
POWER:

Power Consumption	: 76.8W (Max)
Power Supply:	Input : Input: AC 100-240V 50/60Hz
	Output : DC 24V/3.75A





CONNECTION DIAGRAM



OVER 10 YEARS
EXPERIENCE



FULL 1 YEAR
LIMITED WARRANTY