



BK-808

8K 8x8 HDMI™ Matrix (Audio Extract)

The **BK-808** is an 8x8 HDMI matrix switch that routes any of eight inputs to eight outputs for seamless AV distribution. HDMI 2.1 and HDCP 2.3 compliant, it supports 8K@60Hz and 4K@120Hz with 48Gbps bandwidth, delivering ultra-HD visuals with HDR, HDR10, HDR10+, Dolby Vision, and gaming features like VRR, ALLM, QFT, QMS, and SBTM. Each output supports downscaling to 4K or 1080p for legacy displays. Audio extraction is available via optical and balanced analog outputs, with advanced EDID management and control via front panel, IR, RS-232, or web GUI.

DIMENSIONS & WEIGHT:

Length: 440mm / 17.32in **Width:** 203mm / 7.99in
Height: 44.5mm/1.75in **Weight:** 2.94kg/6.49lbs

PACKAGE CONTENTS: 1x BK-808, 1x Power Adapter, 1x IR Remote, 1x IR Wide-band Receiver Cable (12V, 1.5m), 1x AC Power Cord (1.5m), 1x RS-232 Serial Cable (1.5m, male to female head), 8x 5pin-3.81mm Phoenix Connector 8x Machine Screw (KM3*6), 2x Mounting Ear, User Manual

KEY FEATURES:

HDMI 2.1 & HDCP 2.3 Compliant – Ensures compatibility with next-gen 8K/4K sources and protected content.

Supports Video Resolutions up to 8K@60Hz – Delivers ultra-clear video output for demanding applications.

48Gbps Video Bandwidth – Handles high-bitrate video and advanced color formats.

HDR & Dolby Vision Pass-Through – Supports HDR, HDR10, HDR10+, and Dolby Vision for enhanced contrast and color depth.

8x8 Matrix Switching – Independently route any input to any output without signal loss.

Downscaling Support – Each output can downscale 8K to 4K or 1080p to support mixed display setups.

Next-Gen HDMI 2.1 Features – Includes support for VRR, ALLM, QFT, QMS, and SBTM for gaming and real-time media.

Audio Extraction – Offers Optical and balanced analog outputs for integration with external audio systems.

Advanced EDID Management – Maintains optimal video and audio handshake between devices.

Multiple Control Options – Includes IR remote, front-panel buttons, RS-232, and web-based GUI for full control flexibility.

SPECIFICATIONS

CONNECTIVITY:

INPUT:	8 × HDMI Port [Type A, 19-pin female]
OUTPUT:	8 × HDMI Port [Type A, 19-pin female]
	8 × OPTICAL AUDIO OUT [S/PDIF]
	8 × L/R AUDIO OUT [3.5mm Stereo Mini-jack]
CONTROL:	1 × TCP/IP [RJ45]
	1 × RS-232 [D-Sub 9]
	1 × IR EXT [3.5mm, Stereo Mini-jack]

COMPLIANCES:

HDMI Compliance	: HDMI 2.1
HDCP Compliance	: HDCP 2.3

SUPPORTED HDMI CABLES:

HDMI 2.1	: We recommend using high quality HDMI 2.1 cables under 10 feet for optimum performance
----------	---

EXTENDING DISTANCE:

8k@30/60Hz	: 10 Feet
4k@120Hz	: 25 Feet

VIDEO OUTPUT:

Video Bandwidth	: 48 Gbps
-----------------	-----------

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	HDMI IN/OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
--------------------	---

AUDIO BREAKOUT:

Optical outputs: LPCM 2.0CH/Dolby/DTS 5.1CH
Balanced Analog Audio Outputs: LPCM 2CH

POWER:

Power Consumption	: 70W(MAX)
Power Supply:	Input: AC 100-240V 50/60Hz
	Output: DC 24V/3.75A



OVER 10 YEARS
EXPERIENCE

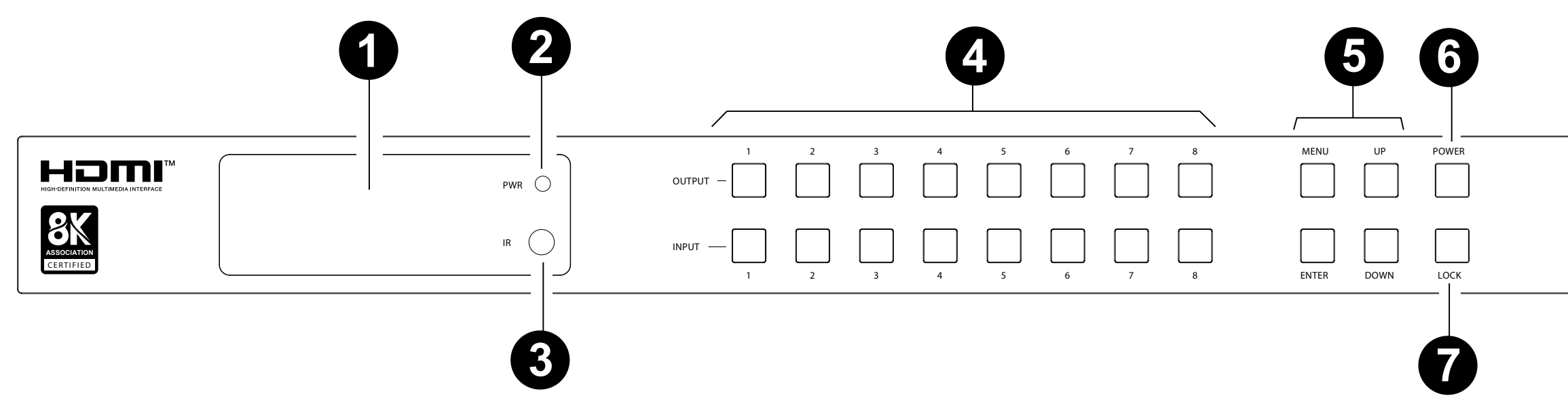


FULL 1 YEAR
LIMITED WARRANTY

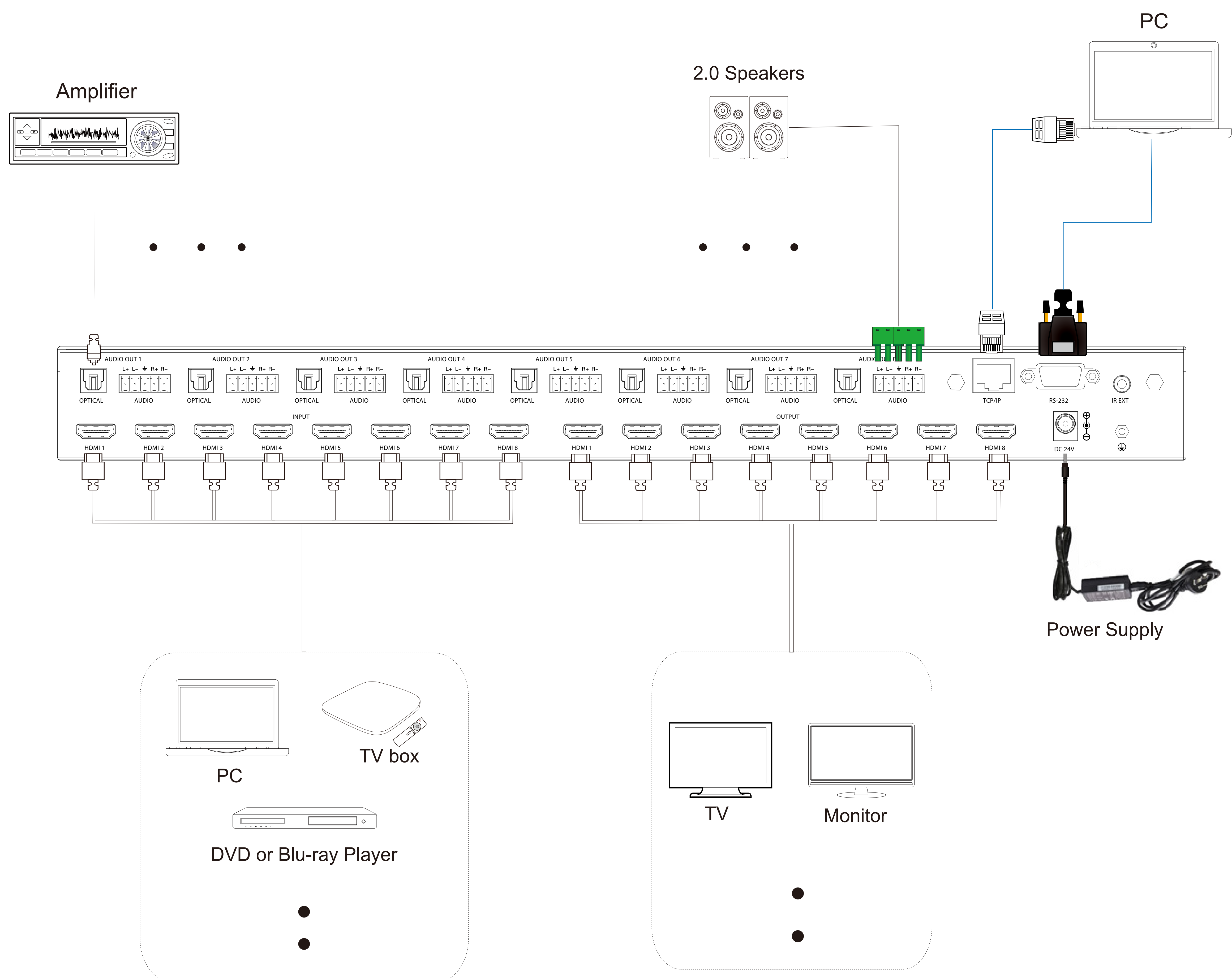
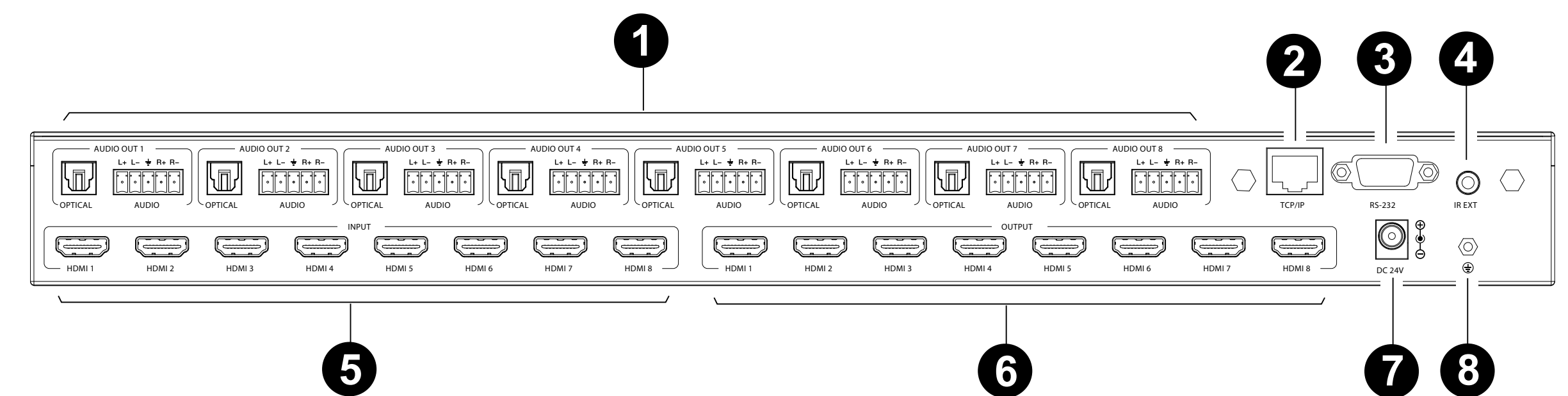


CONNECTION DIAGRAM

Front Panel



Rear Panel



OVER 10 YEARS
EXPERIENCE



FULL 1 YEAR
LIMITED WARRANTY