

MP-PA40IP

Class-D 40W Power Amplifier



PRODUCT OVERVIEW

The MP-PA40IP is a 40W Class-D amplifier supporting balanced audio input, stereo/bridged output and adjustable Master/Bass/Treble EQ. It can be controlled from the front panel, RS-232 or TCP/IP, with optional IR remote control.

KEY FEATURES

- Balanced L/R audio input
- Stereo or bridged output modes
- 2×20W @ 4Ω / 2×10W @ 8Ω stereo output
- 1×40W @ 4Ω / 1×20W @ 8Ω bridged output
- Master, Bass and Treble EQ adjustment
- Front-panel, RS-232 and TCP/IP control
- Optional IR remote control
- Trigger input for standby control
- Web-GUI with DHCP or Static IP configuration

TECHNICAL SPECIFICATIONS

Input	Balanced L/R audio
Output	Stereo 4/8Ω or bridged 4/8Ω
Stereo Output	4Ω: 2×20W; 8Ω: 2×10W
Bridged Output	4Ω: 1×40W; 8Ω: 1×20W
Frequency Response	20Hz–20kHz, ±3dB
THD+N	<0.1% @ 1kHz
SNR	>80dB (1kHz sine, A weighting)
Crosstalk	< -80dB @ 1kHz
Power Supply	DC 24V, 2.71A
Operating Temperature	-5°C ~ +55°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	10% ~ 90%
Dimensions (W×H×D)	115 × 44 × 125mm
Net Weight	565g

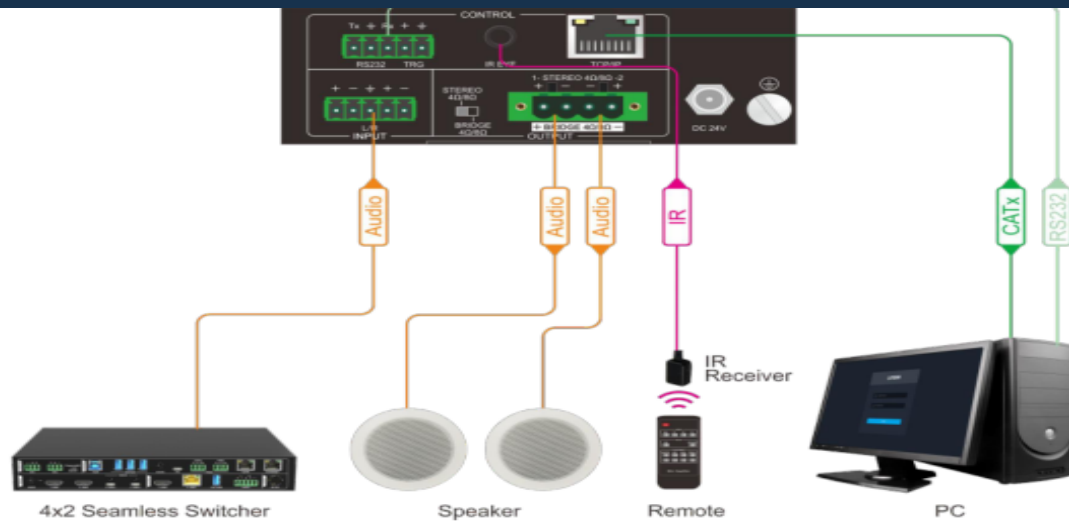
CONTROL & CONNECTIVITY

RS-232	5-pin 3.81mm Phoenix socket; 3-pin section for RS-232 control
TCP/IP	RJ45 with LED; Web-GUI control
IR	3.5mm mini jack for optional IR receiver
Trigger	2-pin trigger entry/exit standby mode
Audio Input	5-pin 3.81mm Phoenix socket for balanced L+R audio
Output Selection	Two-position dial for stereo or bridged output

MP-PA40IP — SYSTEM & INSTALLATION

Application, panel connectivity and package contents

SYSTEM DIAGRAM



The manual's system diagram (page 6 of the manual) shows the amplifier connected to a 4x2 Seamless Switcher, speakers, a PC, and optional IR receiver/remote control.

PANEL & INSTALLATION DETAILS

Front Panel	Power indicator; Master/Bass/Treble EQ indicators; EQ selector; Mute/Vol-/Vol+ buttons.
Rear Panel	RS-232 & Trigger, IR EYE, TCP/IP, balanced L/R INPUT, stereo/bridge OUTPUT, DC 24V input and GND.
Mounting	2× mounting ears and 4× mounting screws supplied.
Cooling / Housing	Ventilated Class-D amplifier chassis; panel drawing shows side mounting ears.

STEREO / BRIDGED OUTPUT

Stereo Mode	Set output dial to STEREO 4Ω/8Ω and connect the two speaker outputs as shown in the manual.
Bridged Mode	Set output dial to BRIDGE 4Ω/8Ω and insert the supplied external bridged connectors into the 4-pin connector before connection.

WEB-GUI & CONTROL

Web-GUI	TCP/IP supports Static IP by default; DHCP is also configurable.
Audio	Master/Bass/Treble EQ adjustment, one-click mute and adjustable audio delay.
Security	Front-panel lock, password change, firmware upgrade, auto-standby, trigger and factory reset.
RS-232	Default 57600 baud, 8 data bits, 1 stop bit, no parity; RS-232 pass-through supported.

PACKAGE CONTENTS

Qty.	Item
1	MP-PA40IP
1	2-pin Green 3.81mm Phoenix Connector
1	5-pin Green 3.81mm Phoenix Connector
1	4-pin Green 5mm Phoenix Connector
1	RS-232 Cable
1	Adapter (DC 24V, 2.71A, US/UK/AU/EU)
2	External Bridged Connector
2	Mounting Ears

4	Mounting Screws
4	Rubber Feet
1	User Manual
1	IR Receiver (Optional)
1	Remote Control (Optional)

Manual version: MP-PA40IP_2026V1.0 • Specifications reproduced from the supplied user manual.