

Lepai[®]



LP-225 DIGITAL HI-FI AUDIO AMPLIFIER

USER MANUAL

Thank you for choosing this Lepai® amplifier for your music application. Lepai amplifiers are known worldwide for their great sound, useful features, and affordable price, proving that clean, handy, hi-fi amplifiers, can cost less money.

Contents:

1x Lepai LP-225 mini amplifier

1x 12 VDC, 2A power supply

1x DC Power Cable

1 x Bluetooth Antenna

1 x Phoenix Speaker Plug

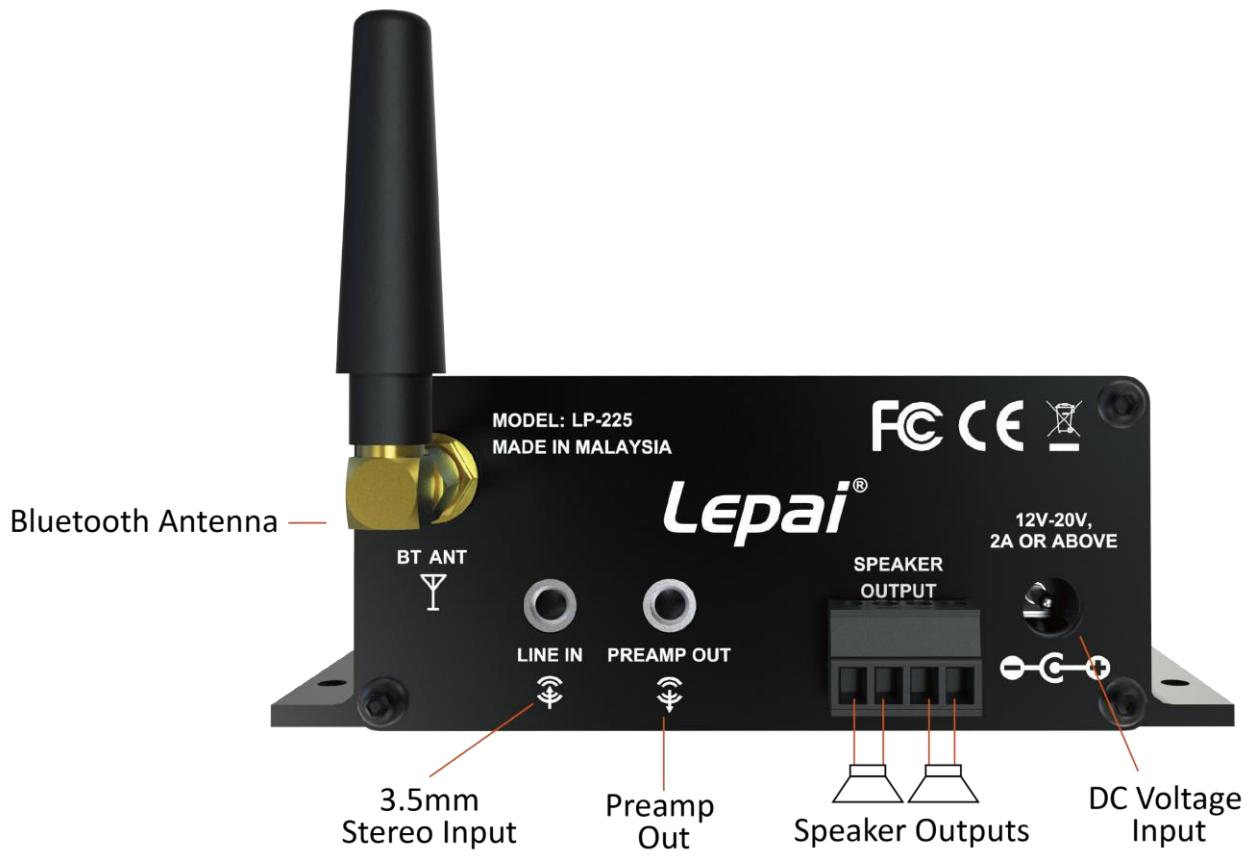
The Lepai LP-225 mini power amplifier provides 25 watts RMS of clean audio power to any set of stereo speakers. A built-in loudspeaker protection circuit triggers when the amplifier is turned on to protect speakers from high volume bursts of audio.

This amp is perfect for using on any desk, countertop, workbench, and even in DIY projects or mobile audio applications. Built-in mounting brackets allow it to be mounted in, on, or underneath nearly any surface or container.

Use either Bluetooth or 3.5mm line input to connect to any phone, tablet, CD player, TV, or streaming player. Bluetooth is the default input unless you plug-in a 3.5mm plug into the line input jack. The amplifier will switch to line-in and the Bluetooth light will flash. Remove the 3.5mm plug to switch back to Bluetooth input.

Separate Bass and Treble controls enable tone customization for your listening pleasure. Hear the original audio source signal by adjusting the tone controls to the twelve o'clock position. If you use the line-out jack, the bass, treble, and volume will affect the sound coming out of it.

Note: If Bluetooth pairing isn't working make sure the line-input jack is empty. Briefly press the pairing button on the amplifier. Turn the Bluetooth off and then back on, on your Bluetooth device.



Electrical Specifications

Specifications typical @ +25°C, unless otherwise noted. Specifications subject to change without notice.

Parameter	Conditions	Min.	Typ.	Max.	Units
Number of Channels	-	-	2	-	-
Minimum Load Impedance	-	4	8	-	Ω
Nominal Power Requirement	@2x25W, 24V, 1kHz	-	2x25W	-	W
Operating Voltage	@1kHz, 8Ω	12	-	20	V
Idle Power	Signal detected@12V	-	0.84	-	W
Switching Frequency	SD Floating@24V	-	300	-	kHz

Audio Performance

Specifications typical @ +25°C, unless otherwise noted. Specifications subject to change without notice.

Parameter	Conditions	Min.	Typ.	Max.	Units
Amp Gain	Line In L&R	-	29.0	-	dB
SNR	Line In 2 x 25W@8Ω, A-weighting L&R	-	98.8	-	dB
THD+N	Line In 1W@8Ω, 1kHz L&R	-	0.017	-	%
Output Noise Level	Line In@12V A-weighting, Input Connected to GND L&R	-	90	-	μV
	BT@12V A-weighting, Input Connected to GND L&R	-	85	-	μV
Input Impedance	Line In@8Ω, 1kHz,	-	10	-	kΩ
DC Offset	-	-	5	-	mV

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