

Lepai®



Lepai LP-225 DIGITAL HI-FI AUDIO AMPLIFIER USER MANUAL

Thank you for choosing this Lepai LP-225 audio amplifier for your music projects. Lepai amplifiers are popular among customers for their high-quality audio performance, useful function and high cost-performance ratio.

Contents:

1x Lepai LP-225 amplifier

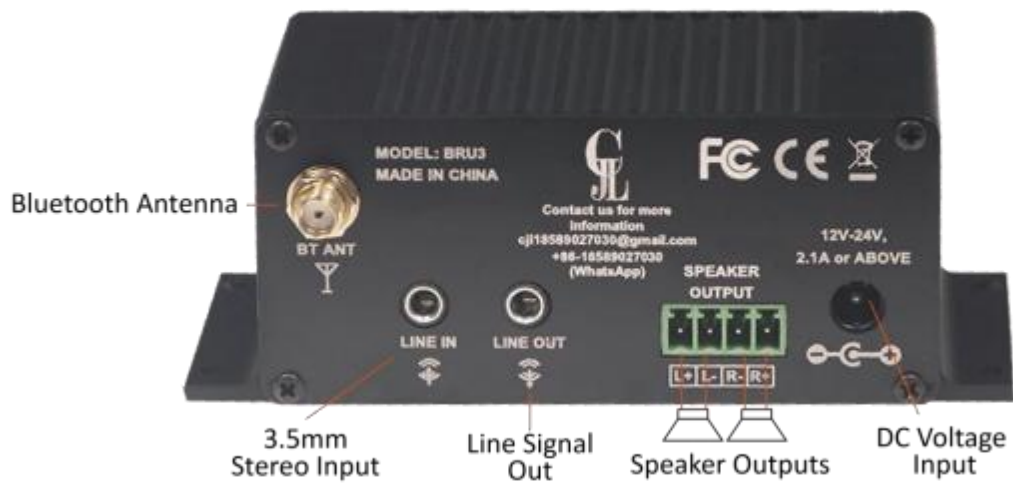
The Lepai LP-225 power amplifier provides 20 watts RMS of clean audio power to any set of stereo speakers. This amp is applicable for using on any desk, countertop, workbench, and even in DIY projects or mobile audio applications. Built in mounting brackets allow it to be mounted in, on, or underneath nearly any surface or container.

LP-225 is equipped with a built-in loudspeaker protection circuit to protect your speakers from high volume bursts of audio when the amplifier is turned on.

LP-225 supports stereo RCA or 3.5mm inputs from any phone, tablet, CD player, TV, or streaming player. Audio will play regardless of which input is connected as there is no input switching.

Separate Bass and Treble adjustments rotary allow customers to customize audio playback for better listening experience. Besides that, original audio source signal can be passed through without enhancement.

Connections



Electrical Specifications

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

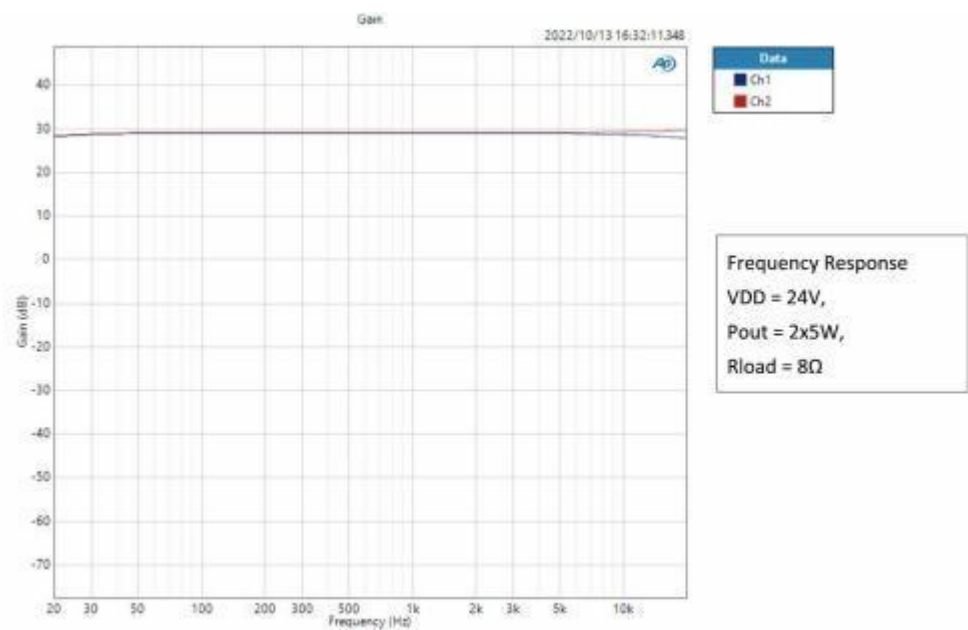
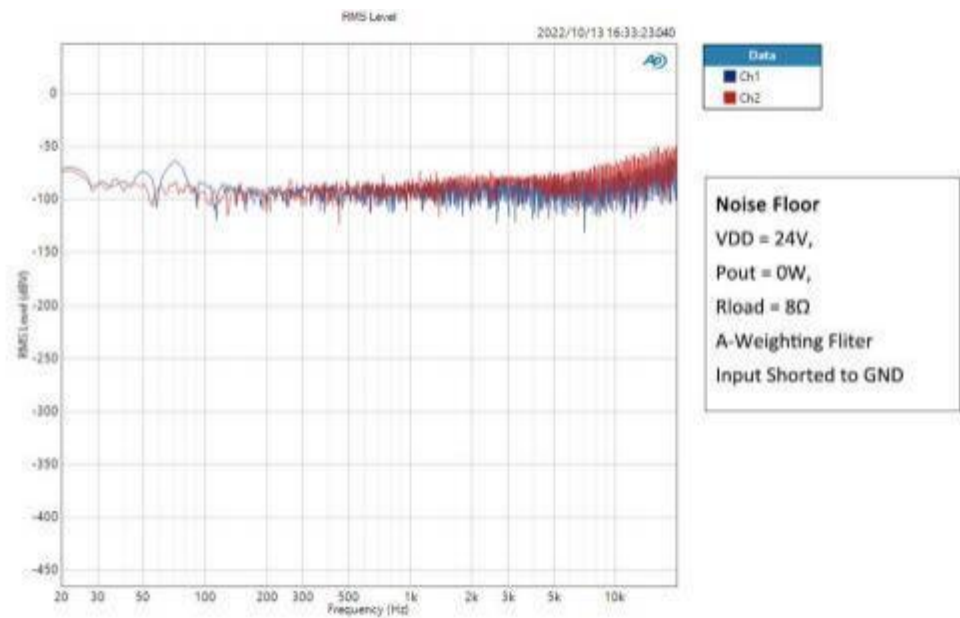
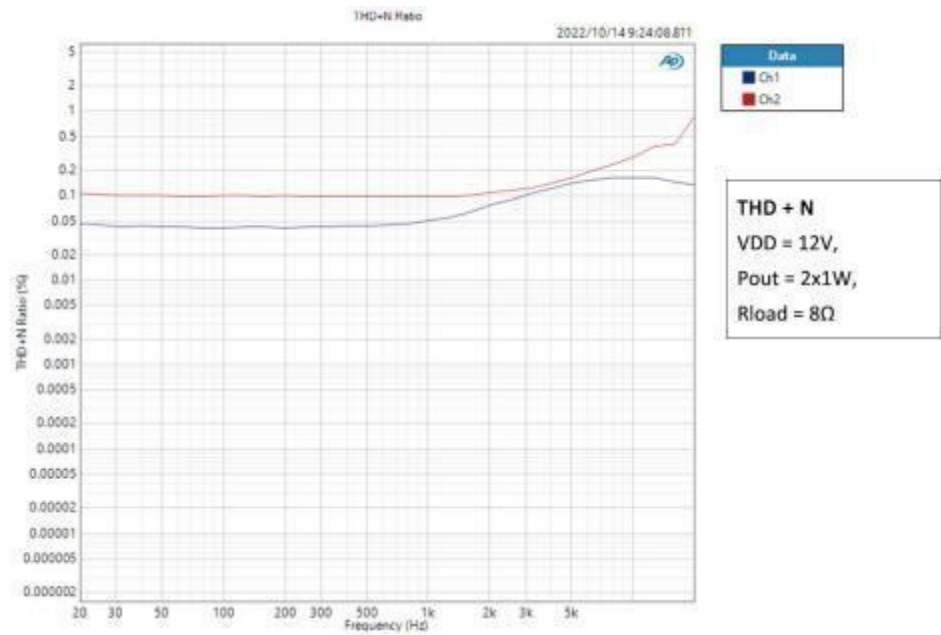
Parameter	Conditions	Min.	Typ.	Max.	Units
Number of Channels	-	-	2	-	-
Minimum Load Impedance	-	4	8	-	Ω
Nominal Power Requirement	@2x25W, 24V, 1kHz	-	2x25W	-	W
Operating Voltage	@ 1 kHz, 8Ohm	12	-	20	V
Idle Power	Signal detected@ 1 2 V	-	0.84	-	W
Switching Frequency	SD Floating@ 2 4 V	-	300	-	kHz

Audio Performance

Specifications typical @ +25C, 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@8 Ohm, A-weighting	L&R	-	98.8	-	dB
THD+ N	Line In 1W@8Ohm, 1 kHz	L&R	-	0.017	-	%
Output Noise Level	Line In@12V A- weighting, Input Connected to GND	L&R	-	90	-	μ V
	BT@ 12V A- weighting, Input Connected to GND	L&R	-	85	-	μ V
Input Impedance	Line In@8Ohm, 1 kHz,		-	10	-	k Ω
DC Offset	-		-	5	-	mV

Typical Performance Graphs



FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.