



## Electrical Specifications

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

Parameter	Conditions	Min.	Typ.	Max.	Units
Number of Channels	-	-	"	-	-
Minimum Load Impedance	-	6	7	8	9
Nominal Power Requirement	@2x50W, 24V, 1kHz	-	2x50	-	
Operating Voltage	@1kHz, 6 Ohm	12	"6	-	.
Idle Power	BT Signal detected@24V	-	2.8	-	
Switching Frequency	SD Floating@24V	-	"7\$	-	kHz
Efficiency	@1kHz, 6 Ohm, 24V, 2x50W	-	8"	-	>

## Audio Performance

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

Parameter	Conditions	Min.	Typ.	Max.	Units
Output Noise Level	BT Connected@24V A-weighting, Input Connected to GND	L&R	-	68	-
	BT Not Connected@24V A-weighting, Input Connected to GND	L&R	-	#\$	-
DC Offset	-	-	#	-	mV

**Lepai®**

Last Revised: 4/26/2023



**2 X 50W OUTDOOR/MARINE  
BLUETOOTH 5.0 MINI 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 LWP-250 2 x 50W Outdoor/Marine Bluetooth 5.0 Mini Amplifier

The Lepai LWP-250 2 x 50W Outdoor/Marine Bluetooth 5.0 Mini Amplifier provides 50 watts RMS of clean audio power to any set of stereo speakers. A built-in loudspeaker protection circuit triggers during power on cycle to protect speakers from high volume bursts of audio.

The LWP-250's waterproof capability works perfect for outdoor audio applications, such as in a garden, on a boat, by a swimming pool, under a porch/patio, etc. It also works great for indoor applications. The built-in mounting brackets enable it to mount under a desk, countertop, workbench, and under dashes for mobile audio applications.

The LWP-250 connects to any smartphone, tablet, TV, or streaming player with Bluetooth capability. Bluetooth antenna ensures reliable audio transmission over long distances. When Bluetooth is searching, the Bluetooth indicator LED flashes. The LED stays lit when pairing is successful.





## 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.