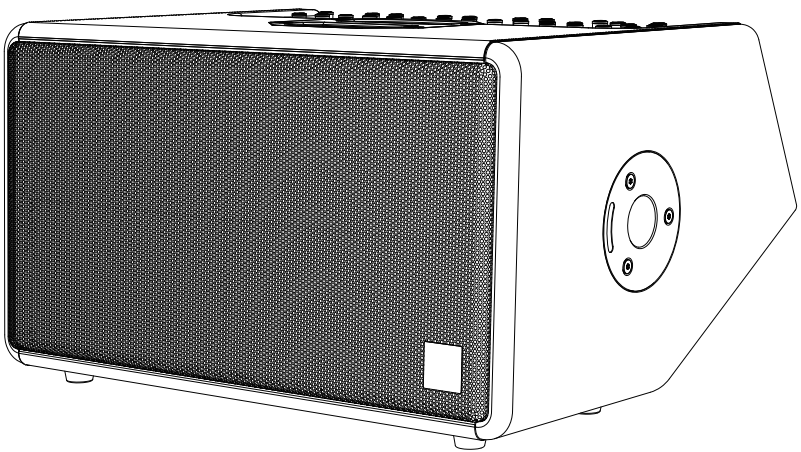
musiccube

User Manual

Musiccube T2 Pro

Multifunctional Portable PA System



Thank you for choosing and purchasing the Musiccube T2 Pro.

Product Introduction

Thank you for choosing Musiccube T2 Pro.

The T2 Pro is a professional portable PA system designed for live performances and mobile sound reinforcement. It delivers 480 W of rated power and up to 700 W of peak power, combining powerful output with a compact and portable design.

The system features two 8-inch low-frequency drivers and a C-shaped high-frequency array for wide and consistent sound coverage. Its five-channel mixer supports microphones, instruments, and other audio sources, with independent gain, EQ, and effect controls for flexible sound adjustment.

Built-in Reverb 1, Reverb 2, Delay, and Chorus effects, HD sound enhancement, stereo linking, and two removable rechargeable battery packs provide flexible operation for indoor and outdoor applications.

Continue exploring and enjoying the remarkable experience of the Musiccube T2 Pro!

Specifications

Model: Musiccube T2 Pro

Power: Rated Power 480W / Peak Power 700W

Frequency Range: 50Hz-20kHz

Audio Input: 4 × Mic/Line/Hi-Z Inputs (XLR/TRS)

1 × Mic Input with 48V Phantom Power

1 × 3.5 mm AUX Input

1 × Stereo Line Input

1 x Bluetooth Input

1 x USB Input

Additional Features: USB-C Live Streaming and Internal Recording / Balanced Output

Effects: Reverb 1/Reverb 2/Delay/Chorus

Speaker Units: 2 x 8-inch Woofer / 6 x 2-inch Tweeters / 1 × 3-inch Monitor Driver

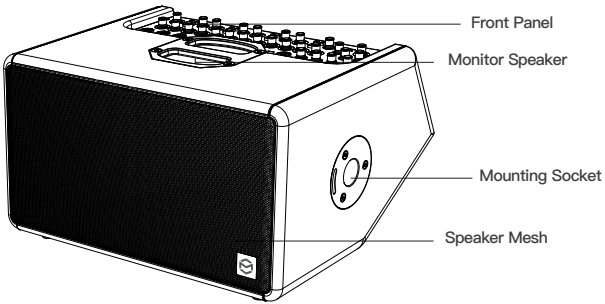
Dimensions: 485mm (L) × 390mm (W) × 265mm (H)

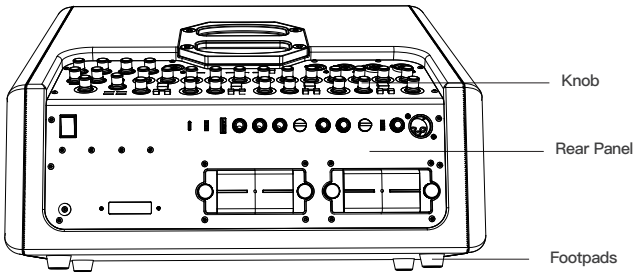
Net Weight: 13.5 kg

Power Supply: AC: 100V ⎓ 240V

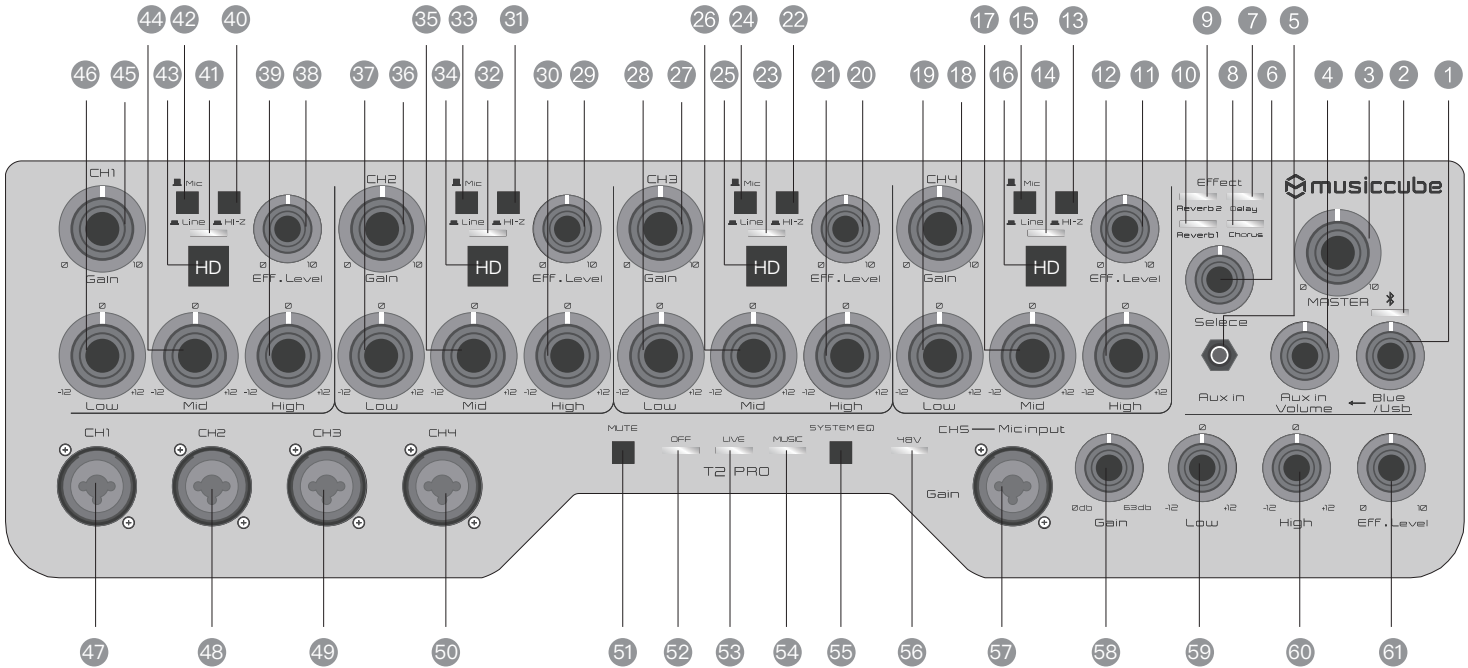
DC: 34V ⎓ 7A

Product structure





Front Panel Function Introduction (I)

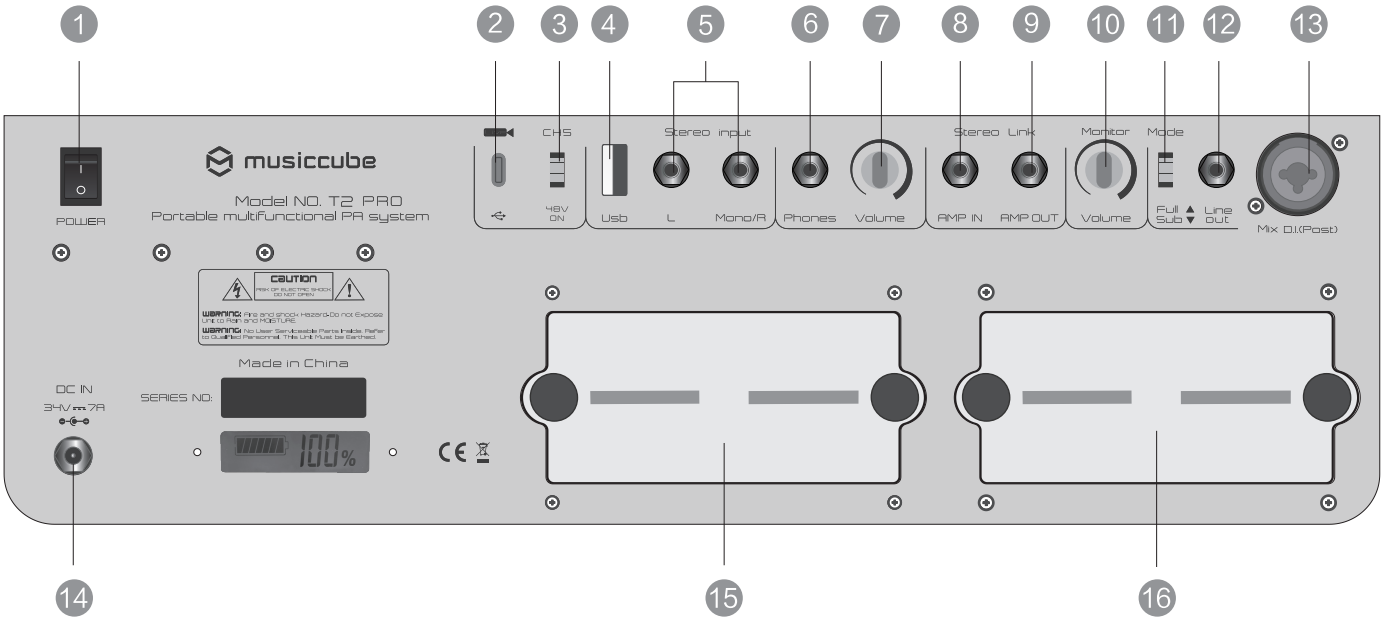


Front Panel Function Introduction (II)

No.	Name	Description
	Main Controls	
①	Bluetooth/Media Control Knob	Press and hold for 3 seconds to enable Bluetooth. Turn the knob left or right to select the previous or next track. Press to play or pause
②	Bluetooth Status Indicator	Flashing light means waiting for connection,Solid light means connected
③	Master Volume	Controls the overall volume of the speaker
④	Media Volume Control	Adjusts the volume for Bluetooth, USB, and 3.5 mm AUX audio
⑤	3.5mm AUX IN Jack	Connects to a mobile phone or other external audio source
⑥	Effect Selector	Selects Reverb 1, Reverb 2, Delay, or Chorus
⑦⑧⑨⑩	Effect Indicator Light	Indicate the selected effect: Reverb 1, Reverb 2, Delay, or Chorus
	Channel Controls	
⑱㉗㊱㊺㊽	Gain Control	Adjusts the gain for Channels 1–5; turn left to decrease gain and right to increase gain
⑪⑳㉙㊳㊶	Effect Level Control	Adjusts the selected effect level for Channels 1—5.
⑫㉑㉚㊴㊵	High EQ Control	Adjusts the treble for Channels 1–5; turn left to decrease treble and right to increase treble
⑰㉖㉟㊹	Mid EQ Control	Adjusts the midrange for Channels 1–4; turn left to decrease midrange and right to increase midrange
⑲㉘㊲㊻㊾	Low EQ Control	Adjusts the bass for Channels 1–5; turn left to decrease bass and right to increase bass
⑮㉔㉝㊷	Mic/Line Input Switch	Mic/Line Switch for Channels 1–4; press down for Line input, release for Mic input
⑬㉒㉛㊵	High Impedance Input Switch	High Impedance (Hi–Z) Input Selector for Channels 1–4; press to select Hi–Z input
⑯㉕㉞㊸	HD Enhancement Button	Turns HD sound enhancement on or off
⑭㉓㉜㊶	HD Indicator	Lights when HD enhancement is active
	1/2/3/4/5 Channel	
㊼	Channel 1 Input Jack	Connects to microphones, guitars, or other electronic musical instruments
㊽	Channel 2 Input Jack	Connects to microphones, guitars, or other electronic musical instruments
㊾	Channel 3 Input Jack	Connects to microphones, guitars, or other electronic musical instruments
㊿	Channel 4 Input Jack	Connects to microphones, guitars, or other electronic musical instruments
57	Channel 5 Input Jack	Connects to dynamic microphones, condenser mics, and other equipment
	Mode Selector	
51	Mute Control	Press to mute the speaker
52 53 54	System Mode Indicator Light	Indicate the selected system EQ mode: Off, Live, or Music
55	System EQ Mode Selector	Selects Off, Live, or Music mode.
56	48V Phantom Power Indicator Light	Indicator light on means 48V Phantom Power is activated

*The device connection interface is balanced (XLR/TRS). Please check the wiring diagram of the connected device before making the connection.

Rear Panel Function Introduction (I)



Rear Panel Function Introduction (II)

No.	Name	Description
①	Power Switch	Power On/Off
②	OTG Live/Recording Digital Input	Connect mobile device via USB-C port to use internal recording/live streaming functions
③	48V Phantom Power Switch	Use this switch to enable/disable the 48V Phantom Power for Channel 5
④	USB Port	USB Port for Audio Playback
⑤	Stereo Line Input	Stereo Signal Input
⑥	Headphone Output	Connect headphones using a 6.35mm jack
⑦	Headphone Volume Control	Headphone Volume Control
⑧	Stereo Link Input	Signal Input via 6.35mm Connection
⑨	Stereo Link Output	Signal Output via 6.35mm Connection
⑩	Monitor Speaker Volume Control	Independent Monitor Speaker Volume Control
⑪	Output Signal Mode Selector	Slide the switch up for full-frequency output; down for low-cut output
⑫	Line Output	Signal Output via 6.35mm Connection
⑬	DI Balanced Output	Connect to an audio interface or send output to a mixing console
⑭	Charging Port	Charging and DC Power Input Port
⑮⑯	Detachable Lithium Battery	Each battery pack has a capacity of 4850 mAh and can be replaced as needed

⚠ Operating Precautions

1. Connect the power adapter to the speaker before plugging it into an AC outlet.

2. Before powering on, switch off all connected equipment and set the Master Volume and all Channel Gain controls to minimum.

3. Use a moderate volume level. Do not set both the Channel Gain and Master Volume controls to maximum, as this may damage the speaker system.

4. After extended use, allow the speaker to cool before operating it again.

5. Do not use or store the speaker in humid, hot, or extremely cold environments.

6. Keep the enclosure and ventilation openings clean and unobstructed.

7. If a malfunction occurs, stop using the speaker immediately and contact qualified service personnel.

Precautions

Usage Limitations

- Do not place this product on an unstable, damp surface, or near open flames or heat sources (such as stoves).
- Avoid placing the product near devices that may cause interference.
- Only use the power adapter and battery supplied with the product. Do not use non-original chargers or batteries.

Cleaning & Maintenance

- Do not submerge this product in water or expose it to moisture.
- Avoid using hard objects to wipe the surface, as this may cause scratches.
- Use a soft cloth for cleaning.

Power Supply Precautions

- Only use the provided power adapter and cable supplied with this product.
- If the power adapter or cable is damaged, replace it with the original adapter and cable to prevent insufficient power supply or damage to the circuit board.
- Do not excessively twist, bend, or pull the AC power cord, as this may expose or break the internal wiring.
- Do not use the power adapter and cable provided with this product on other devices.
- Do not allow children to operate this product alone. Keep it out of reach of infants to prevent risks of electric shock or burns.
- Do not insert or remove the power adapter plug with wet hands to avoid electric shock or injury.

Battery Precautions

- Do not disassemble the built-in rechargeable battery pack.
- Only use the original rechargeable battery pack provided with the product.
- Do not subject the rechargeable battery pack to impact or external force.
- Please charge the speaker when the battery level is below 20%.
- If the product will not be used for an extended period, recharge periodically to prevent battery damage.

Operating Environment

- As this product has a wooden structure, avoid using it in humid or direct sunlight conditions to prevent the enclosure from cracking.

Additional Precautions

– Do not drop the product or strike it against hard objects, as this may cause injury or malfunction.
– Do not use the product if it is structurally damaged to avoid injury or other accidents.
– Do not modify or attempt repairs. Only qualified technicians should perform repairs to prevent fire, electric shock, or injury.
– If any abnormality or malfunction occurs, stop using the product immediately to avoid fire, electric shock, or injury.

Troubleshooting and Issues

– Abnormal heating of the power cord, power adapter, or plug during use.
– Smoke emission or a burning odor from the speaker.
– Cracking, looseness, or unusual sounds from any part of the speaker.
– Other abnormalities or malfunctions.

FCC Compliance Statement

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.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Precautions

I. Warranty Policy

Type	Warranty Coverage	Warranty period
Main Unit	Speaker Components	1 year
Accessories	Power Adapter / Power Cable / Battery	1 year

II. About Warranty

1. The product's serial number and warranty card number serve as proof of warranty.
2. The warranty period starts from the date the customer receives the product.
3. Backpack, mobile device connection cables, and packaging materials are not covered under warranty.

III. Non-Warranty Coverage

1. Damage caused by improper transportation, usage, maintenance, or storage by the customer.
2. Damage resulting from repairs by unauthorized service centers, including self-installation or disassembly by the customer.
3. Lack of warranty card, serial number, or valid proof of purchase, or inability to verify the product is within the warranty period.
4. Tampering with or alteration of the product's serial number.
5. Damage due to unavoidable natural disasters.
6. Product exceeding the warranty period.

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