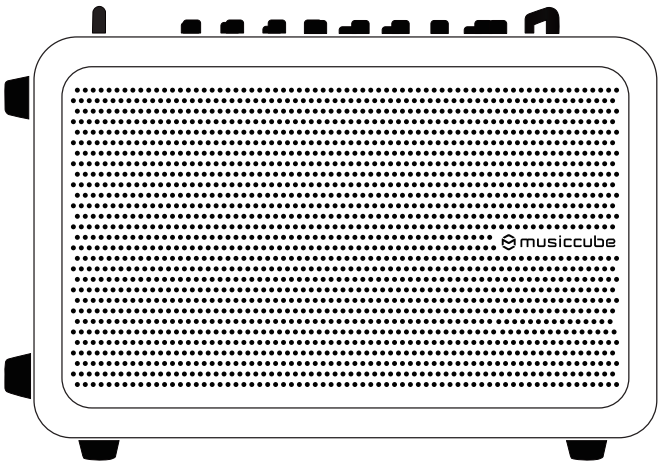
musiccube



User Manual

Musiccube Rainbow F1

Multifunctional Portable PA System

Thank you for choosing and purchasing the Musiccube Rainbow F1.

Product Introduction

Thank you for choosing the Musiccube Rainbow F1.

The Rainbow F1 is a portable PA system designed for professional performers. It combines powerful output, clear sound, and a compact, lightweight design for convenient mobile use.

The system supports simultaneous microphone and instrument inputs, making it suitable for live performances and outdoor events. It delivers 120 W of rated power and up to 200 W of peak power. Two 5–inch full–range drivers and two 1–inch mid/high–frequency drivers provide clear, full–bodied sound reproduction.

The system also supports USB playback, Bluetooth audio, a 6.35 mm stereo line input, and USB–C live streaming and internal recording.

The Rainbow F1 features two independent input channels with independent EQ adjustment for precise tonal control. Two high–capacity removable lithium battery packs provide reliable power for extended performances and outdoor use.

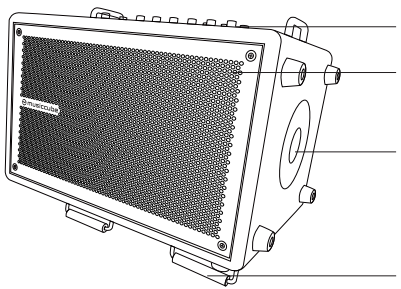
Its lightweight design makes the system easy to transport and set up, making it a practical PA solution for mobile performers.

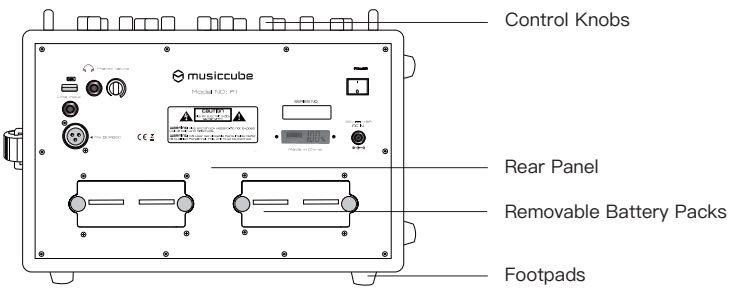
Continue enjoying the exceptional experience with the Musiccube Rainbow F1!

Specifications

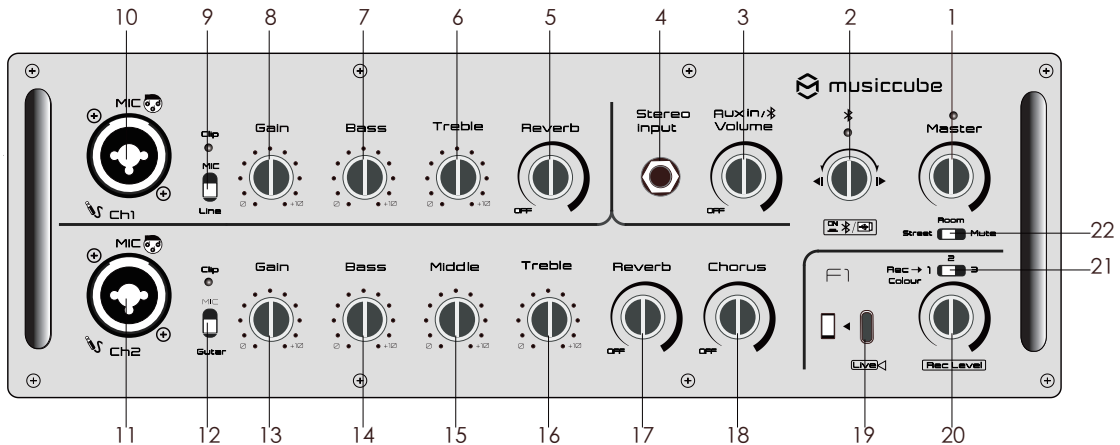
Model	Musiccube Rainbow F1
Power Output	Rated Power: 120W / Peak Power: 200W
Frequency Response	50Hz—17.5kHz
Audio Inputs	2 × Mic/Line Inputs (XLR/TRS)
	1 × 6.35 mm Stereo Input (TRS)
	1 x Bluetooth Input
	1 x USB Input
Additional Features	OTG Live Streaming and Internal Recording / Balanced Output / Headphone Monitoring
Effects	Reverb / Chorus
Operating Modes	Street / Room / Mute
Speaker Units	2 × 5–inch Full–Range Drivers
	2 × 1–inch Mid/High–Frequency Drivers
Dimensions	350 × 250 × 220 mm
Net Weight	6.4kg
Battery Capacity	2 × 2550 mAh
Power Supply	AC: 100V ⎓ 240V
	DC: 26V ⎓ 4.8A

Product structure





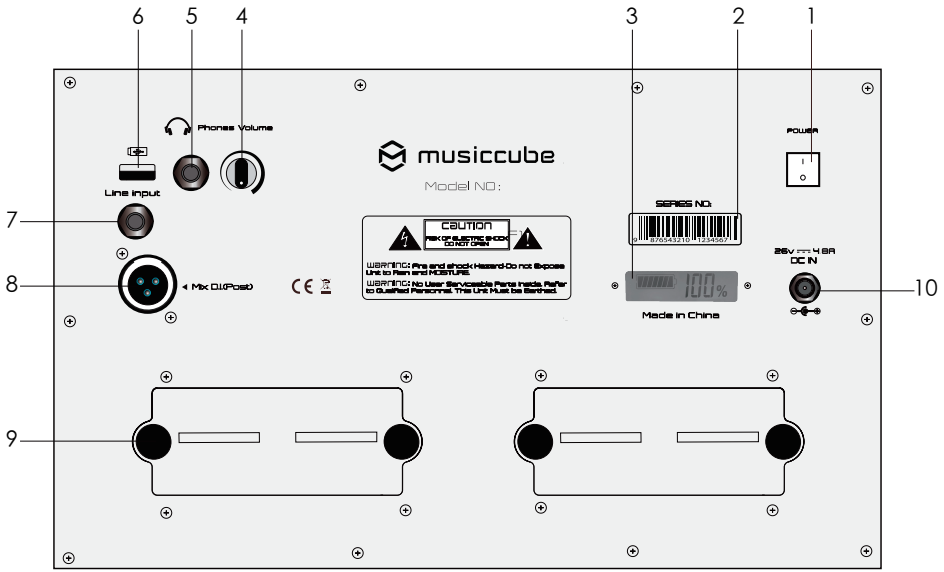
Front Panel Function Introduction (I)



Front Panel Function Introduction (II)

No.	Name	Description
	Main Controls	
①	Master Volume Control	Adjusts the overall output volume.
②	Bluetooth/Media Control Knob	Press and hold for 3 seconds to enable Bluetooth. Turn to select the previous or next track. Press briefly to play or pause.
③	Media Volume Control	Adjusts the volume for AUX, Bluetooth, and USB audio.
④	6.35 mm Stereo Line Input	Connects an electronic keyboard, electronic drum kit, media player, or other stereo audio source.
㉒	Operating Mode Selector	Selects Street, Room, or Mute mode.
㉑	Live Streaming/Recording Voicing Selector	Selects Standard, Vocal Enhance 2, or Vocal Enhance 1.
⑲	Live Streaming/Recording Port	Connects the speaker to a mobile device for live streaming or internal recording.
⑳	Live Streaming/Recording Level Control	Adjusts the output level for live streaming or internal recording.
	Channel Input Controls	
⑥⑯	High EQ Control	Adjusts the high–frequency level for Channels 1 and 2. Turn counterclockwise to decrease or clockwise to increase.
⑦⑭	Low EQ Control	Adjusts the low–frequency level for Channels 1 and 2. Turn counterclockwise to decrease or clockwise to increase.
⑧⑬	Gain Control	Adjusts the input gain for Channels 1 and 2. Turn counterclockwise to decrease or clockwise to increase.
⑮	Mid EQ Control	Adjusts the mid–frequency level for Channel 2.
⑨	Channel 1 Mic/Line Selector	Selects microphone or line input mode for Channel 1.
⑫	Channel 2 Mic/Instrument Selector	Selects microphone or instrument input mode for Channel 2.
⑩⑪	Combo Input (XLR/TRS)	Connects a microphone, guitar, keyboard, or other compatible audio source.
⑤⑰	Reverb Control	Adjusts the reverb level for Channels 1 and 2.
⑱	Chorus Control	Adjusts the chorus level for Channel 2.

Rear Panel Function Introduction (I)



Rear Panel Function Introduction (II)

No.	Name	Description
①	Power Switch	Turns the unit on or off.
②	Serial Number	Provides identification information for the unit.
③	Battery Level Display	Displays the current battery level.
④	Headphone Volume Control	Adjusts the headphone monitoring level.
⑤	Headphone Output	Connects monitoring headphones.
⑥	USB Port	Connects a USB flash drive for audio playback.
⑦	Line Input	Receives a line–level signal through a 6.35 mm connection.
⑧	Balanced Line Output	Sends a balanced line–level signal to a mixer or audio interface.
⑨	Removable Battery Packs	Each battery pack can be charged separately and replaced as needed.
⑩	DC Power Input	Connects the power adapter for battery charging or DC operation.

⚠ 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.
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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.

Follow Us for More Updates

Official Website： www.musiccube.com.cn

Service Hotline：+86 755-82730091

Manufacturer：Shenzhen Liping Technology Co., Ltd.

Address： 9F, Gate 4, Building 2, Baolong Specialized and Sophisticated Industrial Park, Longgang District, Shenzhen, China

musiccube