FUNLOGY FL05M

FUNLOGY Portable Mini Bluetooth Speaker User Manual

Model: FL05M

1. Introduction

Thank you for purchasing the FUNLOGY Portable Mini Bluetooth Speaker. This compact and versatile speaker is designed to deliver high-quality audio in various environments, thanks to its robust features like IP67 waterproofing and Bluetooth 5.3 connectivity. This manual will guide you through the setup, operation, and maintenance of your new speaker.

2. Package Contents

Please ensure all items are present in the box:

- FUNLOGY Portable Mini Bluetooth Speaker (Red)
- USB Type-C Charging Cable (1m)
- 3.5mm AUX Audio Cable (1m)
- Strap (approx. 0.2m)
- User Manual (this document)



Image: The FUNLOGY Portable Mini speaker, showcasing its compact design and the vibrant sound waves it produces, connected to a smartphone.

3. Product Overview

The FUNLOGY Portable Mini features a sleek, compact design with intuitive controls and essential ports for versatile use.

3.1. Physical Features

- **Top:** Speaker grille for audio output.
- **Front:** FUNLOGY logo, LED indicator, and control buttons.

- **Rear:** Silicone cap covering the charging and AUX ports, and a strap holder.
- **Bottom:** Passive radiator for enhanced bass and anti-slip base.



Image: A display of three FUNLOGY Portable Mini speakers in different colors: black, red, and white, highlighting the available color variations.

3.2. Controls and Ports

The front panel includes the following buttons (from left to right):

- **Power Button:** Press and hold to power on/off.
- **Volume Down (-):** Decrease volume.

- **Play/Pause:** Play or pause audio.
- **Volume Up (+):** Increase volume.
- **TWS Button:** For True Wireless Stereo pairing.

Under the silicone cap on the rear, you will find:

- **USB Type-C Port:** For charging the speaker.
- **AUX Port:** For wired audio connection using the 3.5mm AUX cable.

4. Setup

4.1. Charging the Speaker

Before first use, fully charge your speaker.

1. Open the silicone cap on the rear of the speaker.
2. Connect the USB Type-C cable to the speaker's charging port.
3. Connect the other end of the USB cable to a compatible USB power adapter (DC 5V 1.0A, not included).
4. The LED indicator will show charging status. A full charge takes approximately 15 minutes for 1 hour of playback, or longer for a full 16-hour playback capacity.

4.2. Bluetooth Pairing

Connect your speaker wirelessly to your smartphone, PC, or other Bluetooth-enabled devices.

1. Press and hold the Power button to turn on the speaker. The LED indicator will flash, indicating it's in pairing mode.
2. On your device, enable Bluetooth and search for "FUNLOGY Portable Mini" in the list of available devices.
3. Select the speaker to pair. Once connected, the LED indicator will stop flashing and remain solid.



Image: A visual representation of the speaker's Bluetooth 5.3 multi-pairing capability, connecting to various devices like a laptop, smartphone, and TV.

4.3. TWS (True Wireless Stereo) Pairing

For an immersive stereo experience, you can pair two FUNLOGY Portable Mini speakers together.

1. Ensure both speakers are powered on and not connected to any other Bluetooth device.
2. On one speaker, press and hold the TWS button. You will hear an audible prompt.
3. The two speakers will automatically search for and pair with each other. Once paired, one speaker will act as the master (left channel) and the other as the slave (right channel).
4. Now, connect your device to the master speaker via Bluetooth as described in section 4.2.



Image: Two white FUNLOGY Portable Mini speakers positioned on either side of a laptop, illustrating the TWS stereo playback setup for an enhanced audio experience.

4.4. AUX Wired Connection

Use the included 3.5mm AUX cable for a direct, wired connection to devices without Bluetooth or for a latency-free audio experience.

1. Open the silicone cap on the rear of the speaker.
2. Connect one end of the 3.5mm AUX cable to the speaker's AUX port.
3. Connect the other end to the audio output jack of your device.
4. The speaker will automatically switch to AUX mode.

5. Operation

5.1. Basic Audio Playback

- **Play/Pause:** Press the Play/Pause button once to play or pause audio.
- **Volume Control:** Use the Volume Up (+) and Volume Down (-) buttons to adjust the playback volume.

5.2. Hands-Free Calling

When connected via Bluetooth to a smartphone, the speaker supports hands-free calling.

- **Answer/End Call:** Press the Play/Pause button once to answer an incoming call or end an ongoing call.
- **Reject Call:** Press and hold the Play/Pause button to reject an incoming call.

6. Features

6.1. IP67 Waterproof and Dustproof

The FUNLOGY Portable Mini is rated IP67, meaning it is fully protected against dust and can withstand temporary immersion in water up to 1 meter for 30 minutes. This makes it ideal for outdoor use, bathrooms, or any environment where it might be exposed to water or dust.



Image: The FUNLOGY Portable Mini speaker partially submerged in water, illustrating its IP67 waterproof and dustproof design, suitable for use in wet conditions.

6.2. Dynamic Bass with Passive Radiator

Equipped with a 42mm speaker unit and a passive radiator on the bottom, the speaker delivers rich and powerful bass despite its small size. The advanced audio processor ensures clear and balanced sound across all frequencies.



Image: An internal diagram of the speaker, highlighting the passive radiator and the next-generation audio processor that contribute to its dynamic bass and detailed sound quality.

6.3. Long Battery Life

The built-in 650 mAh battery provides up to 16 hours of continuous playback at 20% output, or 10 hours at 40% output, ensuring your music lasts throughout the day.

7. Specifications

Brand	FUNLOGY
Model Number	FL05M
Dimensions (W x D x H)	70 mm x 70 mm x 80 mm
Weight	250 g
Speaker Unit	42 mm
Output Power	6 W
Impedance	3 Ω
Signal-to-Noise Ratio (SNR)	100 dB
Bluetooth Version	5.3
Max Communication Range	10 m (without obstacles)
Input Interface	USB Type-C, AUX
Power Supply	DC 5 V 1.0 A
Battery Capacity	650 mAh
Operating Time	Max 10-16 hours (at 20-40% output)
Waterproof/Dustproof Rating	IP67
Other Features	TWS, Hands-free calling, Strap holder

8. Troubleshooting

If you encounter any issues with your FUNLOGY Portable Mini speaker, please refer to the following common solutions:

- **No Power:** Ensure the speaker is fully charged. Connect it to a power source using the USB Type-C cable.
- **Cannot Pair via Bluetooth:** Make sure the speaker is in pairing mode (LED flashing). Turn off and on your device's Bluetooth. Ensure no other devices are currently connected to the speaker.
- **No Sound:** Check the volume levels on both the speaker and your connected device. Ensure the correct input mode (Bluetooth or AUX) is selected.
- **Poor Sound Quality:** For Bluetooth connections, ensure your device is within the 10m range and there are no significant obstacles. For wired connections, ensure the AUX cable is securely plugged in.
- **TWS Pairing Issues:** Ensure both speakers are powered on and not connected to any other device before attempting TWS pairing.

If the problem persists, please contact customer support.

9. Warranty & Support

Your FUNLOGY Portable Mini speaker comes with a warranty. Please refer to the warranty card included in your package for details on coverage and duration.

For any questions, technical support, or warranty claims, please contact FUNLOGY customer support via their official LINE account. A QR code for the official LINE account is provided on the contact card included in the box.

Operating hours for support are typically Monday to Friday, 10:00 AM to 5:00 PM JST.

Video: An unboxing and overview of the FUNLOGY Portable Mini speaker, demonstrating its compact size, controls, and included accessories. The video also highlights the official LINE contact for support.