

Facmogu F900S

Facmogu F900S Mini Bluetooth Power Amplifier User Manual

Model: F900S (SKU17021)

Brand: Facmogu

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your Facmogu F900S Mini Bluetooth 5.0 Power Amplifier. The F900S is a compact, high-fidelity stereo digital amplifier designed to deliver clear and powerful audio. It features multiple input options including Bluetooth 5.0, USB, and 3.5mm AUX, making it versatile for various audio sources. Please read this manual thoroughly before using the device to ensure proper setup and optimal performance.

2. SAFETY INFORMATION

- Ensure the power supply voltage matches the requirements specified for the amplifier (DC 12V).
- Do not expose the device to rain, moisture, or extreme temperatures.
- Avoid placing the amplifier near heat sources or in direct sunlight.
- Do not disassemble or modify the amplifier. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Disconnect power before cleaning or if the device will not be used for an extended period.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Facmogu F900S Amplifier
- 1 x DC12V 5A Power Adapter
- 1 x USB Cable
- 1 x 3.5mm AUX Cable

- 1 x RCA to 3.5mm AUX Cable



Image: The Facmogu F900S amplifier shown with its complete set of included accessories, including the power adapter, USB cable, 3.5mm AUX cable, and RCA to 3.5mm AUX cable.

4. PRODUCT OVERVIEW

4.1 Front Panel

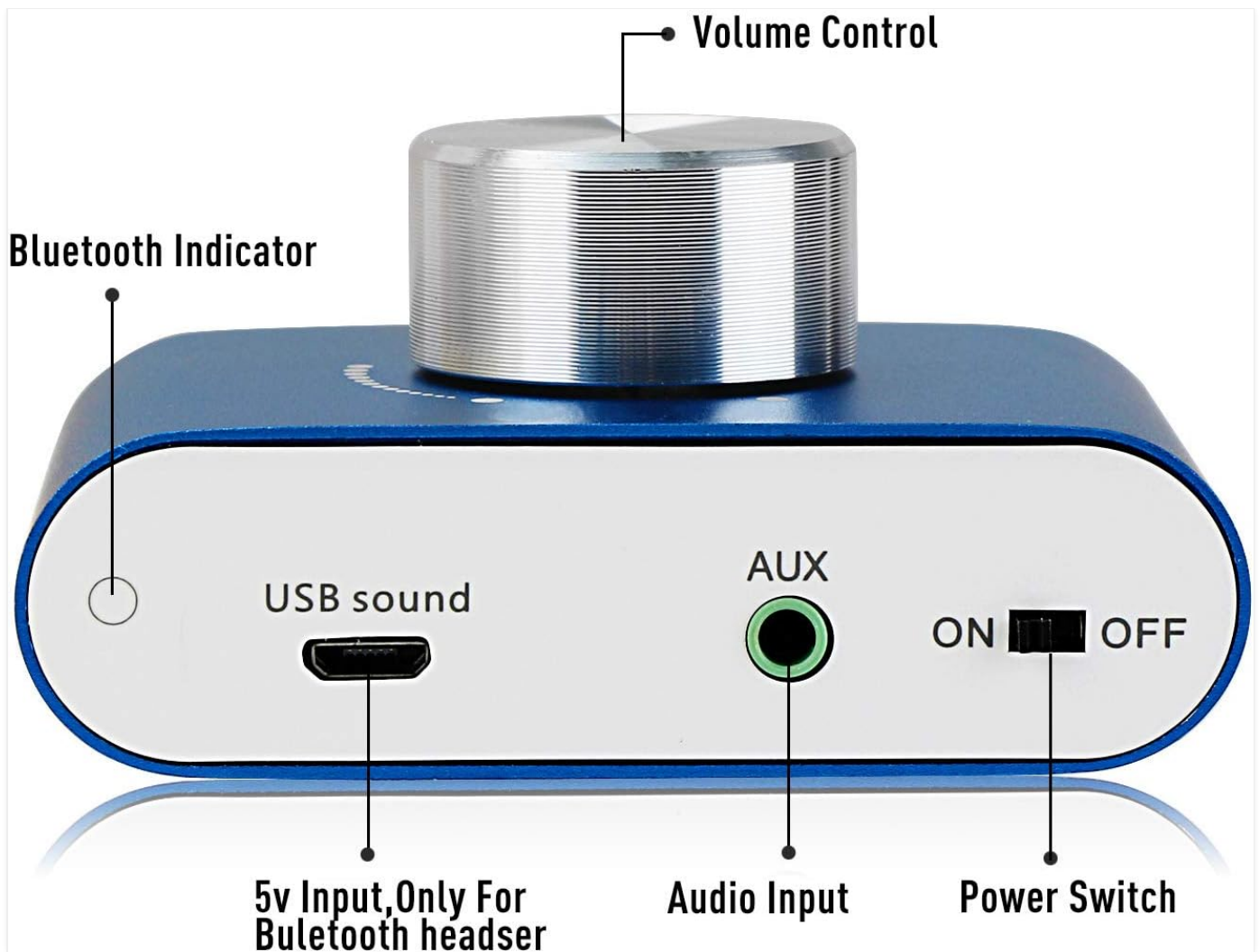


Image: A detailed view of the amplifier's front panel, highlighting the volume control knob, Bluetooth indicator light, USB sound input port, 3.5mm AUX audio input, and the ON/OFF power switch.

- **Volume Control:** Rotary knob to adjust the output volume.
- **Bluetooth Indicator:** LED light indicating Bluetooth connection status.
- **USB Sound Input:** Micro USB port for connecting to a computer as a sound card.
- **AUX Input:** 3.5mm audio jack for connecting external audio devices via AUX cable.
- **Power Switch:** Slide switch to turn the amplifier ON or OFF.

4.2 Rear Panel

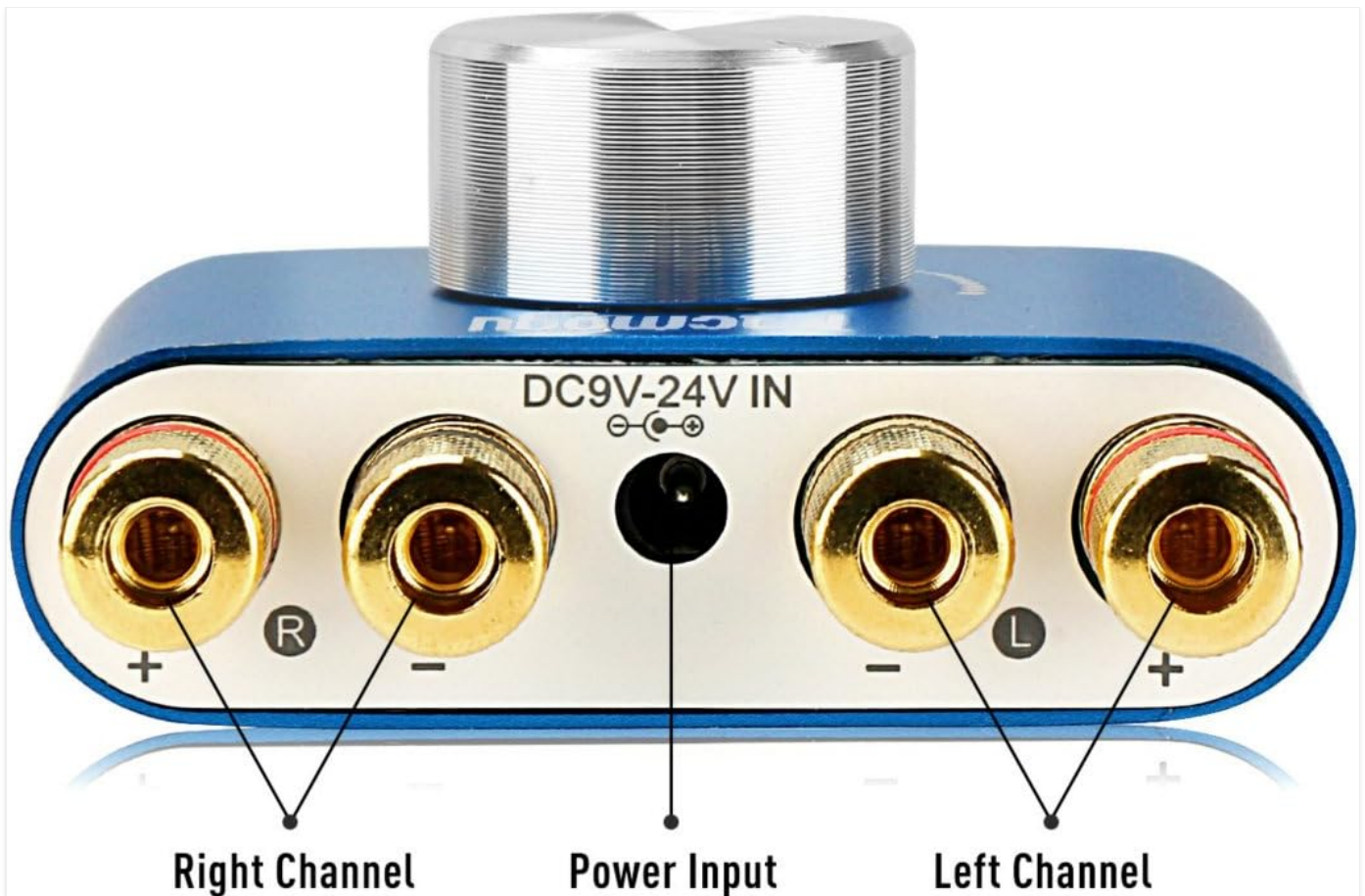


Image: A close-up of the amplifier's rear panel, showing the DC 9V-24V power input jack and the speaker output terminals for the left and right channels, compatible with both bare wire and banana plugs.

- **Right Channel Speaker Output:** Terminals for connecting the right speaker (positive and negative).
- **Power Input (DC 9V-24V IN):** Jack for connecting the DC power adapter.
- **Left Channel Speaker Output:** Terminals for connecting the left speaker (positive and negative).

5. SETUP

Follow these steps to set up your Facmogu F900S amplifier:

1. **Connect Speakers:** Connect your passive speakers to the speaker output terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for both left and right channels. The terminals support both bare speaker wire and banana plugs.
2. **Connect Power:** Insert the DC12V 5A power adapter into the "DC 9V-24V IN" port on the rear panel, then plug the adapter into a wall outlet.
3. **Connect Audio Source:** Choose your preferred audio input method:
 - **Bluetooth:** Power on the amplifier. The Bluetooth indicator will flash, indicating it's ready for pairing.
 - **AUX Input:** Connect your audio device (e.g., phone, tablet, CD player) to the "AUX" 3.5mm input on the front panel using the provided 3.5mm AUX cable or RCA to 3.5mm AUX cable.
 - **USB Input:** Connect the amplifier to your computer's USB port using the provided USB cable. The amplifier will function as an external sound card.
4. **Power On:** Slide the power switch on the front panel to the "ON" position.

UPGRADED CHIP WITH 80W+80W



Image: The Facmogu F900S amplifier connected to a pair of speakers, illustrating a typical setup for audio playback.

Setup Demonstration Video

Your browser does not support the video tag.

Video: A short demonstration of the Facmogu F900S Mini Bluetooth Amplifier, showcasing its features and basic operation. This video provides a visual guide to connecting and using the amplifier.

6. OPERATING INSTRUCTIONS

6.1 Bluetooth Mode

1. Ensure the amplifier is powered on. The Bluetooth indicator light will flash, indicating it is in pairing mode.
2. On your audio device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
3. Select "F900S" from the list of devices to pair. Once connected, the Bluetooth indicator light will remain solid.
4. Start playing audio on your device. Adjust the volume using the amplifier's volume control knob or your device's

volume controls.

Note: The amplifier will announce "Bluetooth mode" when switching to or connecting in Bluetooth mode. This is a default system announcement and cannot be disabled.

6.2 AUX Input Mode

1. Connect your audio source to the "AUX" 3.5mm input on the front panel.
2. The amplifier will automatically switch to AUX mode.
3. Play audio from your connected device. Adjust volume using the amplifier's volume control.

6.3 USB Input Mode (PC Sound Card)

1. Connect the amplifier to your computer's USB port using the provided USB cable.
2. Your computer should automatically recognize the amplifier as an audio output device. No special drivers are typically required.
3. Select the amplifier as your audio output device in your computer's sound settings.
4. Play audio from your computer. Adjust volume using the amplifier's volume control or your computer's volume controls.

Note: The amplifier will announce "USB mode" when switching to or connecting in USB mode. This is a default system announcement and cannot be disabled.

Important: This amplifier is not compatible with Amazon Echo, Alexa, or similar devices.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Power off. Incorrect input selected. Loose speaker connections. Volume too low. Faulty audio cable.	Ensure amplifier is ON. Verify correct input mode (Bluetooth, AUX, USB). Check speaker wire connections and polarity. Increase volume on amplifier and source device. Try a different audio cable.
Bluetooth pairing fails.	Amplifier not in pairing mode. Device too far from amplifier. Interference.	Ensure Bluetooth indicator is flashing. Move device closer to the amplifier. Turn off other Bluetooth devices nearby. Forget "F900S" on your device and try pairing again.
Sound distortion or poor quality.	Volume too high. Low quality audio source. Improper speaker impedance.	Reduce volume. Use a higher quality audio file or source. Ensure speakers are 4-8 Ohm impedance.

8. SPECIFICATIONS

Feature	Detail
Model	F900S (SKU17021)

Feature	Detail
Output Power	80W + 80W (2 Channel Stereo)
Chipset	Upgraded TPA3116
Impedance	4~8 Ohm
Bluetooth Version	5.0
Inputs	Bluetooth, USB, 3.5mm AUX
Power Supply	DC 9V-24V (12V 5A adapter included)
Product Dimensions	3.35 x 1.5 x 3.03 inches
Item Weight	1.11 pounds
Manufacturer	Mo-gu



Image: A visual representation of the Facmogu F900S amplifier's dimensions, indicating its compact size.

9. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosols.

- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and moisture.
- **Ventilation:** Ensure proper ventilation around the amplifier to prevent overheating. Do not block any ventilation openings.

10. WARRANTY AND SUPPORT

Facmogu provides a one-year warranty for this product. If you encounter any problems or have questions regarding your F900S amplifier, please contact our customer support. We are committed to providing assistance and resolving any issues you may experience.

For support, please refer to the contact information provided with your purchase or visit the official Facmogu website.