Facmogu S5000

Facmogu S5000 FM Radio Receiver and Amplifier User Manual

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Facmogu S5000 FM Radio Receiver and Amplifier. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your listening experience.

PACKAGE CONTENTS

The following items are included with your Facmogu S5000:

- Facmogu S5000 FM Radio Receiver and Amplifier Unit
- 33ft (10m) Long Cable Retractable Antenna
- 18V Linear Power Supply
- User Manual (this document)

Image: The Facmogu S5000 unit displayed with its accessories, including the retractable antenna, power adapter, and connecting cables.

PRODUCT OVERVIEW

Front Panel

The front panel features the main controls and display.

Rotation: Channel selection/frequency modulation rate.
Short Press: Switch between 5 different modes.
Long Press: Enter manual frequency adjustment mode.

FM **76.0** MHz

ATS

Long Press: Automatic channel search.
Short Press: Save manually adjusted radio station.

Volume Knob

Image: The front panel of the Facmogu S5000 shows the main rotary knob, the ATS button, the volume knob, and the digital display showing the FM frequency.

- **Main Rotary Knob:**

  - **Rotation:** Adjusts channel selection or frequency.
  - **Short Press:** Switches between 5 different modes: 87-108MHz FM band, 76-90MHz FM band, 64-108MHz FM band, Bluetooth mode, and AUX input mode.
  - **Long Press:** Enters manual frequency adjustment mode (FM flashes on display).

- **ATS Button:**

  - **Short Press:** Saves the currently tuned radio station.
  - **Long Press:** Initiates automatic channel search (auto-scan).

- **Volume Knob:** Adjusts the audio output volume.
- **Digital Display:** Shows the current frequency, mode, and volume level.

Back Panel

The back panel provides all necessary connection ports.

2.Back Panel

Image: The back panel of the Facmogu S5000 displays the external antenna interface, AUX input jack, power socket, and speaker output terminals.

- **ANT (External Antenna Interface):** Connects the included retractable antenna or an external FM antenna. This is a PAL female connector. For connecting standard US F-type antennas, a PAL male to F female adapter (not included) is required.
- **AUX (Audio Input Jack):** 3.5mm input for connecting external audio sources.
- **DC 16V-20V IN (Power Socket):** Connects the 18V linear power supply.
- **Right Channel** / **Left Channel (Speaker Terminals):** Screw terminals for connecting passive bookshelf speakers (4-8Ω impedance recommended).

Dimensions

Image: An image illustrating the physical dimensions of the Facmogu S5000 unit: approximately 3.54 inches (length) x 3.07 inches (width) x 0.91 inches (height). The outdoor antenna is shown with a total length of 3.28ft (1m) and a wire length of 32.8ft (10m).

The Facmogu S5000 unit measures approximately 3.54 inches in length, 3.07 inches in width, and 0.91 inches in height. The included outdoor antenna has a total length of 3.28 feet (1 meter) and comes with a 32.8 feet (10 meter) cable.

Setup

1. Connecting the Antenna

Connect the included 33ft retractable antenna to the **ANT** port on the back of the S5000 unit. Position the antenna for optimal reception. The magnetic base allows for flexible placement on metallic surfaces, such as a windowsill or rooftop. For best FM reception, ensure the antenna is fully extended and placed in an open area.

Image: The Facmogu S5000 connected to speakers and an antenna placed near a window, demonstrating a typical setup for optimal FM reception.

2. Speaker Connection

Connect your passive bookshelf speakers to the **Right Channel** and **Left Channel** screw terminals on the back panel. Ensure correct polarity (positive to positive, negative to negative) for each speaker. The S5000 is designed to drive speakers with an impedance of 4-8Ω.

3. Power Connection

Connect the included 18V linear power supply to the **DC 16V-20V IN** socket on the back of the unit, then plug the power supply into a wall outlet. The S5000 will automatically power on once connected to electricity. For optimal performance and to avoid interference, use only the provided 18V linear power supply or another high-quality 16V-20V linear power supply.

4. Audio Input (AUX) (Optional)

To use an external audio source (e.g., smartphone, MP3 player), connect it to the **AUX** 3.5mm input jack on the back panel using an appropriate audio cable (not included).

Image: The Facmogu S5000 connected to a smartphone via the AUX input, illustrating how to use an external audio source.

OPERATING INSTRUCTIONS

1. Power On/Off

The S5000 powers on automatically when connected to a power source. There is no dedicated power button. To turn off the device, disconnect it from the power supply.

2. Mode Selection

Short-press the **Main Rotary Knob** on the front panel to cycle through the available modes:

- **FM Radio Bands:**

  - 87-108 MHz (Standard FM band)
  - 76-90 MHz (Japanese FM band)
  - 64-108 MHz (Global FM band)

- **Bluetooth Mode (BT)**
- **AUX Input Mode**

3. FM Radio Operation

Automatic Channel Search (Auto-Scan)

With the device in an FM radio mode, long-press the **ATS Button**. The S5000 will automatically scan for available stations within the selected frequency band and save them to memory.

Manual Tuning

To manually tune to a specific frequency, long-press the **Main Rotary Knob** until the FM frequency on the display starts flashing. Then, rotate the **Main Rotary Knob** to adjust the frequency. Short-press the **Main Rotary Knob** again to exit manual tuning mode.

Saving Stations

After tuning to a desired station (either manually or by rotating the main knob), short-press the **ATS Button** to save it to memory. The device retains all settings, including saved stations, when powered off.

4. Bluetooth Pairing

When in Bluetooth mode, the S5000 will be discoverable by your Bluetooth-enabled device. Search for "Facmogu S5000" (or similar) in your device's Bluetooth settings and pair with it to stream audio wirelessly.

5. AUX Input Usage

When in AUX input mode, audio from the connected external device (via the 3.5mm jack) will be played through the S5000's amplifier and connected speakers.

6. Volume Control

Rotate the **Volume Knob** on the front panel to increase or decrease the audio output level. The current volume level will be displayed on the digital screen.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Antenna Care:** Handle the retractable antenna carefully to avoid bending or damage.
- **Power Supply:** Always use the specified 16V-20V linear power supply to prevent damage and ensure optimal performance.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use for extended periods.

TROUBLESHOOTING

No power:
Ensure the power supply is securely connected to both the S5000 and a working wall outlet. Verify that you are using the correct 16V-20V linear power supply.

Poor FM reception:

- Ensure the antenna is fully extended and properly connected to the ANT port.
- Adjust the antenna's position; try placing it near a window or in a higher location.
- Perform an auto-scan (long-press ATS button) to refresh available stations.
- Check for sources of electrical interference nearby (e.g., other electronic devices, non-linear power supplies).
- If using an external F-type antenna, ensure you have the correct PAL male to F female adapter.

No sound from speakers:

- Verify that speakers are correctly wired to the Left and Right Channel terminals with correct polarity.
- Check the volume level using the Volume Knob.
- Ensure the correct input mode (FM, Bluetooth, or AUX) is selected.
- If using AUX, ensure the external audio source is playing and its volume is up.

Bluetooth pairing issues:

- Ensure the S5000 is in Bluetooth mode.
- Make sure Bluetooth is enabled on your source device and it is within range.
- Try restarting both the S5000 (by unplugging and replugging) and your source device.

SPECIFICATIONS

Feature	Detail
Model	S5000
FM Radio Chip	Si4730
FM Frequency Bands	64-108 MHz, 76-108 MHz, 87-108 MHz
Amplifier Chips	Dual LM1875
Speaker Impedance	4-8Ω
Bluetooth Version	5.0
Audio Inputs	FM Radio, Bluetooth, 3.5mm AUX
Power Input	DC 16V-20V (18V linear power supply included)
Antenna Type	Retractable with magnetic base
Antenna Length	3.28 ft (1 m)
Antenna Cable Length	32.8 ft (10 m)
Unit Dimensions (L x W x H)	Approx. 3.54 x 3.07 x 0.91 inches
Item Weight	1.6 ounces (unit only)

SAFETY INFORMATION

- Do not expose the device to rain, moisture, or extreme temperatures.
- Do not disassemble or attempt to repair the unit yourself. Refer all servicing to qualified personnel.
- Ensure proper ventilation around the unit to prevent overheating.
- Keep out of reach of children.
- Use only the specified power adapter to avoid electrical hazards or damage to the unit.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided on the product packaging or visit the official Facmogu website. Please retain your proof of purchase for warranty claims.