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ECG R 105

ECG R 105 FM Radio Instruction Manual

Model: R 105

INTRODUCTION

Thank you for purchasing the ECG R 105 FM Radio. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and keep it for future reference.

SAFETY INFORMATION

- Do not expose the device to rain, moisture, or extreme temperatures.
- Avoid placing the radio near heat sources or in direct sunlight.
- Use only the specified power sources (USB 5V or 4x AA batteries).
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Dispose of batteries responsibly according to local regulations.

PACKAGE CONTENTS

Please check the package for the following items:

- ECG R 105 FM Radio
- USB-C Cable
- User Manual (this document)

Note: A USB wall adapter and 4x AA batteries are not included and must be purchased separately.



Image: The ECG R 105 FM Radio shown with its included USB-C charging cable.

PRODUCT OVERVIEW

Front Panel Controls and Display



Image: Close-up of the radio's front panel, showing the LCD display and control buttons.

- **LCD Display:** Shows frequency, time, alarm status, and battery level.
- **I/O Button:** Power On/Off.
- **MENU/INFO Button:** Accesses menu options and displays information.
- **FM Button:** Switches to FM mode.
- **Up/Down Arrows:** Adjust frequency, navigate menus, or change settings.
- **ENTER/SCAN/SNOOZE Button:** Confirms selections, initiates station scan, or snoozes alarm.
- **P1/P2 Buttons:** Direct access to preset stations 1 and 2.

- **PRESET Button:** Accesses saved FM presets.

Side Panel and Rear Features



Image: Side view of the radio, highlighting the volume knob, headphone output, and USB-C power input.

- **Volume Knob:** Rotates to adjust the audio volume.
- **3.5 mm Headphone Output:** For private listening with headphones.
- **DC IN 5V (USB Type-C) Port:** Connects the USB-C cable for power.
- **Telescopic Antenna:** Extends for improved FM reception.



Image: The back of the radio with the battery compartment cover removed, showing slots for four AA batteries.

- **Battery Compartment:** Holds 4x 1.5V AA batteries (not included).

SETUP

Powering the Radio

The ECG R 105 can be powered by either batteries or a USB power source.

1. Battery Installation:

- Open the battery compartment cover on the back of the radio.
- Insert 4x 1.5V AA batteries, ensuring correct polarity (+/-).
- Close the battery compartment cover securely.

2. USB Power Connection:

- Connect the supplied USB-C cable to the DC IN 5V port on the side of the radio.
- Connect the other end of the USB-C cable to a compatible USB wall adapter (5V, 1A output, not included) or a powered USB port.

Antenna Adjustment

For optimal FM reception, fully extend the telescopic antenna. Adjust its position for the best signal quality.

OPERATING INSTRUCTIONS

Power On/Off

Press the **I/O** button to turn the radio on or off.

FM Radio Tuning

1. Press the **FM** button to enter FM radio mode.
2. **Automatic Scan:** Press and hold the **ENTER/SCAN** button to automatically scan for and save available FM stations.
3. **Manual Tuning:** Use the **Up/Down Arrow** buttons to manually tune to a desired frequency (87.5-108 MHz).

Saving and Recalling Presets

The radio supports 30 FM presets.

1. **To Save a Preset:**
 - Tune to the desired FM station.
 - Press and hold the **PRESET** button until the preset number flashes on the display.
 - Use the **Up/Down Arrow** buttons to select a preset number (P01-P30).
 - Press **ENTER** to confirm and save the station.
2. **To Recall a Preset:**
 - Press the **PRESET** button repeatedly to cycle through saved stations.
 - Alternatively, use the **P1** or **P2** buttons for direct access to the first two presets.

Setting the Alarm

The radio features an alarm with options for signal or radio wake-up.

1. Press the **MENU/INFO** button to enter the menu.
2. Use the **Up/Down Arrow** buttons to navigate to the alarm setting.
3. Press **ENTER** to select.
4. Set the alarm time, alarm source (signal or radio), and volume using the **Up/Down Arrow** and **ENTER** buttons.
5. To snooze a sounding alarm, press the **SNOOZE** button.

Volume Adjustment

Rotate the **Volume Knob** on the side of the radio to increase or decrease the audio output.

Headphone Use

Plug 3.5 mm headphones into the **Headphone Output** jack for private listening. The internal speaker will be muted automatically.

MAINTENANCE

Cleaning

Wipe the radio with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the surface.

Battery Replacement

When the battery indicator on the LCD display shows low power, replace all four AA batteries with new ones to ensure optimal performance.

Antenna Care

Handle the telescopic antenna gently to prevent bending or breaking. Retract it when not in use or during transport to protect it.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	No power, dead batteries, or loose USB connection.	Check battery installation, replace batteries, or ensure USB-C cable is securely connected to a working power source.
Poor FM reception.	Antenna not extended, weak signal, or interference.	Fully extend and adjust the telescopic antenna. Move the radio to a different location away from electronic devices that may cause interference.
No sound from speaker.	Volume too low, headphones connected, or speaker malfunction.	Increase volume. Disconnect headphones. If problem persists, contact customer support.
Alarm does not sound.	Alarm not set correctly or alarm volume too low.	Verify alarm time and settings. Ensure alarm volume is audible.

SPECIFICATIONS



Image: The ECG R 105 FM Radio with its physical dimensions indicated.

- **Model:** R 105
- **Tuner:** FM
- **FM Frequency Range:** 87.5 - 108 MHz
- **Presets:** 30 FM presets
- **Display:** LCD (33x10mm)
- **Output Power:** 1.2 W (efficient), 3.6 W (peak)
- **Power Supply:**
 - USB: DC 5V (via USB Type-C port)
 - Battery: DC 6V (4x 1.5V AA batteries)
- **Connectivity:** USB Type-C (for power), 3.5 mm audio jack (for headphones)
- **Special Features:** Portable, Built-in clock, Alarm function (signal/radio)
- **Dimensions (L x W x H):** 172 x 56 x 96 mm (6.77 x 2.2 x 3.78 inches)
- **Weight:** 0.3 kg (0.66 lbs)
- **Material:** Plastic

WARRANTY AND SUPPORT

ECG products are designed for quality and reliability. For any questions, technical support, or warranty claims, please refer to the contact information provided with your purchase or visit the official ECG website. Keep your proof of purchase for warranty purposes.

