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> Portable FM Shortwave Radio with SSB Reception,Professional Multifunction Aluminium Alloy All Band Radio Receiver,Radio for Outdoor Camping Home User Manual

**Pomya c38285c7-dd6b-4a0d-b020-a16785162d52**

# Portable FM Shortwave Radio with SSB Reception User Manual

Brand: **Pomya** | Model: **c38285c7-dd6b-4a0d-b020-a16785162d52**

## 1. INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your new Portable FM Shortwave Radio. Designed for versatility and performance, this radio offers a wide range of reception capabilities for various listening needs.

### Key Features:

- Professional design: FM stereo, AM (MW and SW), LW, SW, and SSB (LSB and USB) world band receiver for global radio reception.
- Superior performance: Front-end sound bandwidth filters of 0.5, 1, 1.2, 2.2, 3, and 4KHz.
- Pre-configured for 22 commercial and ham radio bands.
- High sensitivity: Multi-conversion and DSP digital demodulation technology for enhanced radio sensitivity.
- Easy to use: Lightweight, rugged aluminum alloy construction with a unique, sophisticated design for maximum portability. Features large tuning and volume knobs for intuitive operation.
- Wide application: Ideal for outdoor camping, listening to music, and general home use.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x AM FM Shortwave Radio
- 1 x Receiver Stick (Antenna)
- 1 x Foot Pad Set
- 1 x USB Cable



Image: The radio unit, a telescopic antenna, a USB charging cable, and a set of four small rubber foot pads are included in the package.

### 3. PRODUCT OVERVIEW

Familiarize yourself with the various components and controls of your radio.

#### 3.1 Front Panel



Image: The front panel features a digital display, a large tuning/BFO/ATS knob, and several buttons for band selection (BAND+, BAND-), volume control (VOL+, VOL-), frequency stepping (STEP), automatic gain control (AGC), bandwidth (BW), and mode selection (MODE).

- **Display Screen:** Shows frequency, mode, and other operational information.
- **TUNE/BFO/ATS Knob:** Used for frequency tuning, Beat Frequency Oscillator adjustment for SSB, and Automatic Tuning System.
- **BAND+ / BAND- Buttons:** Navigate through available frequency bands.
- **VOL+ / VOL- Buttons:** Adjust the audio volume level.
- **STEP Button:** Changes the frequency tuning step size.
- **AGC Button:** Toggles Automatic Gain Control.
- **BW Button:** Selects audio bandwidth filters (0.5, 1, 1.2, 2.2, 3, and 4KHz).
- **MODE Button:** Switches between reception modes (FM, AM, SSB - LSB/USB).

### 3.2 Rear Panel



Image: The rear panel includes the antenna input, USB charging port, headphone jack, and the main power switch with an LED indicator.

- **ANT Connector:** BNC connector for attaching the telescopic antenna or an external antenna.
- **USB Charge Port:** Micro-USB port for charging the internal battery.
- **OFF/ON Power Switch:** Toggles the radio's power.
- **LED Indicator:** Illuminates when the radio is powered on or charging.
- **Headphone Jack:** 3.5mm stereo jack for private listening.

## 4. SETUP

Follow these steps to prepare your radio for first use:

1. **Attach the Antenna:** Screw the provided receiver stick (telescopic antenna) into the ANT connector on the rear panel of the radio. Ensure it is securely fastened.





Image: The radio with its telescopic antenna fully extended and attached to the BNC connector on the rear.

2. **Charge the Battery:** Connect the supplied USB cable to the USB Charge port on the radio and the other end to a standard USB power adapter (not included) or a computer USB port. The LED indicator will show charging status. A full charge is recommended before first use.
3. **Attach Foot Pads (Optional):** Peel and stick the four foot pads to the bottom corners of the radio for added stability and to prevent scratching surfaces.

4. **Power On:** Slide the OFF/ON power switch to the "ON" position. The display will illuminate, and the radio will be ready for operation.

Your browser does not support the video tag.

Video: This video demonstrates the basic setup and overview of the Portable Multifunction Aluminium Alloy All Band Radio Receiver, including attaching the antenna and powering on the device.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Operation

- **Volume Control:** Use the **VOL+** and **VOL-** buttons to adjust the listening volume.
- **Band Selection:** Press the **BAND+** or **BAND-** buttons to cycle through the pre-configured frequency bands (FM, LW, MW, SW).
- **Tuning:** Rotate the large **TUNE/BFO/ATS** knob to change the frequency within the selected band.
- **Frequency Step:** Press the **STEP** button to change the tuning step size (e.g., 1kHz, 5kHz, 10kHz) for finer or faster tuning.

### 5.2 Mode Selection (FM, AM, SSB)

Press the **MODE** button to switch between different reception modes:

- **FM (Frequency Modulation):** For local FM broadcast stations. The radio supports FM stereo.
- **AM (Amplitude Modulation):** Includes Medium Wave (MW) and Shortwave (SW) bands for long-distance and international broadcasts.
- **SSB (Single Sideband):** For amateur radio (ham radio) and utility stations. This mode includes LSB (Lower Sideband) and USB (Upper Sideband). When in SSB mode, use the **TUNE/BFO/ATS** knob for fine-tuning the BFO (Beat Frequency Oscillator) to clarify the audio.

### 5.3 Bandwidth (BW) Filter

Press the **BW** button to cycle through the available audio bandwidth filters. Selecting a narrower bandwidth can help reduce interference from adjacent signals, especially useful for SSB reception.

- Available filters: 0.5KHz, 1KHz, 1.2KHz, 2.2KHz, 3KHz, and 4KHz.

### 5.4 Automatic Gain Control (AGC)

The **AGC** button toggles the Automatic Gain Control feature. AGC helps maintain a consistent audio output level despite variations in signal strength, improving listening comfort.

### 5.5 Pre-configured Bands

The radio comes with 22 pre-configured commercial and ham radio bands. Use the **BAND+** and **BAND-** buttons to navigate these bands. Below is a general overview of the supported frequency ranges:

Supported Frequency Bands

| Band Type     | Frequency Range (kHz) | Typical Use                     |
|---------------|-----------------------|---------------------------------|
| FM            | 84,000 - 108,000      | Local Broadcasts                |
| LW (Longwave) | 100 - 510             | European Broadcasts, Navigation |

| Band Type        | Frequency Range (kHz) | Typical Use                                  |
|------------------|-----------------------|----------------------------------------------|
| MW (Medium Wave) | 520 - 1720            | AM Broadcasts                                |
| SW (Shortwave)   | 1720 - 30,000         | International Broadcasts, Ham Radio, Utility |
| 160m Ham Band    | 1720 - 3500           | Amateur Radio                                |
| 80m Ham Band     | 3500 - 4500           | Amateur Radio                                |
| 40m Ham Band     | 6300 - 7800           | Amateur Radio                                |
| 30m Ham Band     | 10,000 - 11,000       | Amateur Radio                                |
| 20m Ham Band     | 13900 - 14500         | Amateur Radio                                |
| 17m Ham Band     | 17900 - 18300         | Amateur Radio                                |
| 15m Ham Band     | 18300 - 21900         | Amateur Radio                                |
| 12m Ham Band     | 21900 - 26200         | Amateur Radio                                |
| CB Band (11m)    | 26200 - 27900         | Citizen's Band Radio                         |
| 10m Ham Band     | 27900 - 30000         | Amateur Radio                                |

## 6. SPECIFICATIONS

| Feature                 | Detail                                        |
|-------------------------|-----------------------------------------------|
| Item Type               | AM FM Shortwave Radio                         |
| Material                | Aluminium Alloy                               |
| Battery                 | Built-in Lithium Ion Polymer Battery: 600mAh  |
| Tuner Technology        | AM, FM, SSB (LSB, USB)                        |
| Sound Bandwidth Filters | 0.5, 1, 1.2, 2.2, 3, 4KHz                     |
| Pre-configured Bands    | 22 commercial and ham bands                   |
| Control Features        | BFO control, Frequency stepping (1, 5, 10KHz) |
| Connectivity Technology | USB (for charging)                            |
| Power Source            | Battery Powered                               |
| Item Weight             | 11.6 ounces                                   |
| Package Dimensions      | 6.22 x 4.09 x 2.09 inches                     |

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Do not use liquid cleaners or abrasive materials, as they may damage the finish or internal components.
- **Storage:** When not in use for extended periods, store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing for a long time, charge the battery to about 50% every few months.
- **Antenna Care:** Handle the telescopic antenna carefully to prevent bending or breaking. Ensure it is fully retracted when not in use or during transport.

## 8. TROUBLESHOOTING

| Problem                            | Possible Cause                                                                              | Solution                                                                                                                                                                                                                    |
|------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radio does not power on.           | Battery is depleted.                                                                        | Connect the radio to a USB power source using the provided cable and allow it to charge.                                                                                                                                    |
| Poor reception or static.          | Weak signal; Antenna not fully extended or connected; Interference from electronic devices. | Fully extend the telescopic antenna. Try repositioning the radio. Ensure the antenna is securely connected. Move away from other electronic devices. For shortwave, try an external antenna if available. Adjust BW filter. |
| No audio from speaker/headphones.  | Volume too low; Headphones not fully inserted; Speaker/headphone issue.                     | Increase volume using VOL+ button. Ensure headphones are fully plugged in. Test with different headphones or rely on the speaker.                                                                                           |
| SSB audio is distorted or unclear. | BFO not properly adjusted; Incorrect bandwidth selected.                                    | Fine-tune the BFO using the TUNE/BFO/ATS knob in SSB mode until the voice is clear. Experiment with different BW filter settings.                                                                                           |

## 9. WARRANTY AND SUPPORT

This Pomya product is manufactured with high-quality materials and is designed for reliable performance. While specific warranty details are not provided in this manual, most electronic products come with a standard manufacturer's warranty covering defects in materials and workmanship.

For warranty claims, technical support, or any questions regarding your Portable FM Shortwave Radio, please contact Pomya customer service through the retailer where you purchased the product or visit the official Pomya brand store online.

Visit the [Pomya Store on Amazon](#) for more information and support resources.

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