

Retekeess

Retekeess TR112 Shortwave Radio User Manual

Model: TR112

1. INTRODUCTION

The Retekeess TR112 is a versatile multiband radio receiver designed for a wide range of listening experiences. It features reception across FM, VHF, AM, Shortwave (SW), Weather Band (WB), and Aviation (AIR) frequencies. Equipped with Bluetooth connectivity, APP control, TF card playback, and an integrated SOS alarm function, the TR112 offers advanced features in a compact design. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and user satisfaction.

2. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- 1X Retekeess TR112 Multiband Radio
- 1X Product Manual
- 1X APP Operation Manual
- 1X Strap
- 1X Storage Bag
- 1X USB Type-C Charging Cable
- 1X Small Screwdriver (for battery compartment, if applicable)



Package details



1X Reteless TR112
all-band radio



1X Strap



1X APP operation manual



1X USB TYPE-C
charging cable



1X Instructions



1X Small
screwdriver

Figure 2.1: Contents of the Reteless TR112 package.

3. PRODUCT OVERVIEW

The Reteless TR112 radio features a robust design with intuitive controls and a clear display. Familiarize yourself with the various components:

- **Front Panel:** LCD display, speaker, manual tuning dial, control buttons (Band, Vol+/-, Tune+/-, Memo, EQ, Power, Sleep, etc.).
- **Top:** Telescopic antenna, SOS button.
- **Side:** Type-C charging port, headphone jack, TF card slot.
- **Rear:** Bass boost port.



Figure 3.1: Front view of the Reteless TR112 radio.

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Video 3.1: Demonstration of the side jack usage on the TR112, highlighting charging and audio ports.

4. SETUP

4.1 Charging the Battery

The TR112 is equipped with a built-in 1600mAh Lithium-Ion battery. Before first use, or when the battery indicator on the display shows low power, charge the device using the provided USB Type-C cable.

1. Connect the Type-C end of the cable to the charging port on the side of the radio.
2. Connect the USB-A end to a compatible USB power adapter (e.g., 5V/1A) or a computer USB port.
3. The charging indicator on the display will show charging status. A full charge typically takes 3-4 hours and provides 8-10 hours of working time.

1600mAh battery

Working Time: 8-10 hours

Charging: 3-4 hours



Figure 4.1: Battery specifications and charging port location.

4.2 Antenna Extension

For optimal reception, especially for FM, VHF, SW, and AIR bands, fully extend the telescopic antenna located on the top of the radio. For AM reception, the internal ferrite bar antenna is used, and antenna extension is not necessary.

5. OPERATION

5.1 Power On/Off

Press and hold the **POWER** button to turn the radio on or off.

5.2 Band Selection

The TR112 supports multiple frequency bands. Press the **BAND** button repeatedly to cycle through the available bands: FM, VHF, AM, SW, WB, and AIR.

Super Multi-band Radio



Listen to the voice of the world



Figure 5.1: Supported frequency bands of the TR112.

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Video 5.1: Demonstration of switching between radio modes on the TR112.

5.3 Tuning Methods

The TR112 offers several methods for tuning into stations:

- **Manual Tuning:** Use the large manual tuning dial on the front panel or the **TUNE+/-** buttons to fine-tune frequencies.
- **Automatic Search:** Press and hold the **SCAN** button to automatically search for and store available stations.
- **Direct Frequency Input:** Use the numeric keypad to directly enter a desired frequency.
- **APP Control:** Utilize the dedicated mobile application for precise frequency selection and control (see Section 5.5).

Various tuning methods

Support digital tuning, manual tuning, wheel search



Figure 5.2: Different tuning methods available on the TR112.

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Video 5.2: Demonstrates multiple search methods and TF card playback on the Reteless TR112.

5.4 Volume Control

Adjust the volume using the **VOL+/-** buttons. The current volume level will be displayed on the LCD screen.

5.5 APP Control

The Reteless TR112 can be controlled via a dedicated mobile application, compatible with Android, iOS, and Harmony OS. This allows for remote frequency band switching, mode switching, digital keyboard frequency selection, volume adjustment, and channel selection.

1. Download the 'Radio-C' APP from your device's app store.
2. Ensure Bluetooth is enabled on your mobile device and the TR112 radio.
3. Open the APP and follow the on-screen instructions to pair with your TR112.

APP Control

Support Android, Harmony OS and iOS.



Figure 5.3: Reteless TR112 with its mobile APP control interface.

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Video 5.3: Overview of the Reteless TR112's APP control features.

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Video 5.4: Detailed demonstration of the Reteless TR112 APP connection and control.

5.6 Bluetooth Connection

The TR112 supports Bluetooth for wireless audio playback from compatible devices.

1. Press the **BT** button to switch to Bluetooth mode. The display will indicate Bluetooth pairing mode.
2. On your mobile device, search for Bluetooth devices and select 'TR112' to pair.
3. Once connected, audio from your device will play through the radio's speaker.

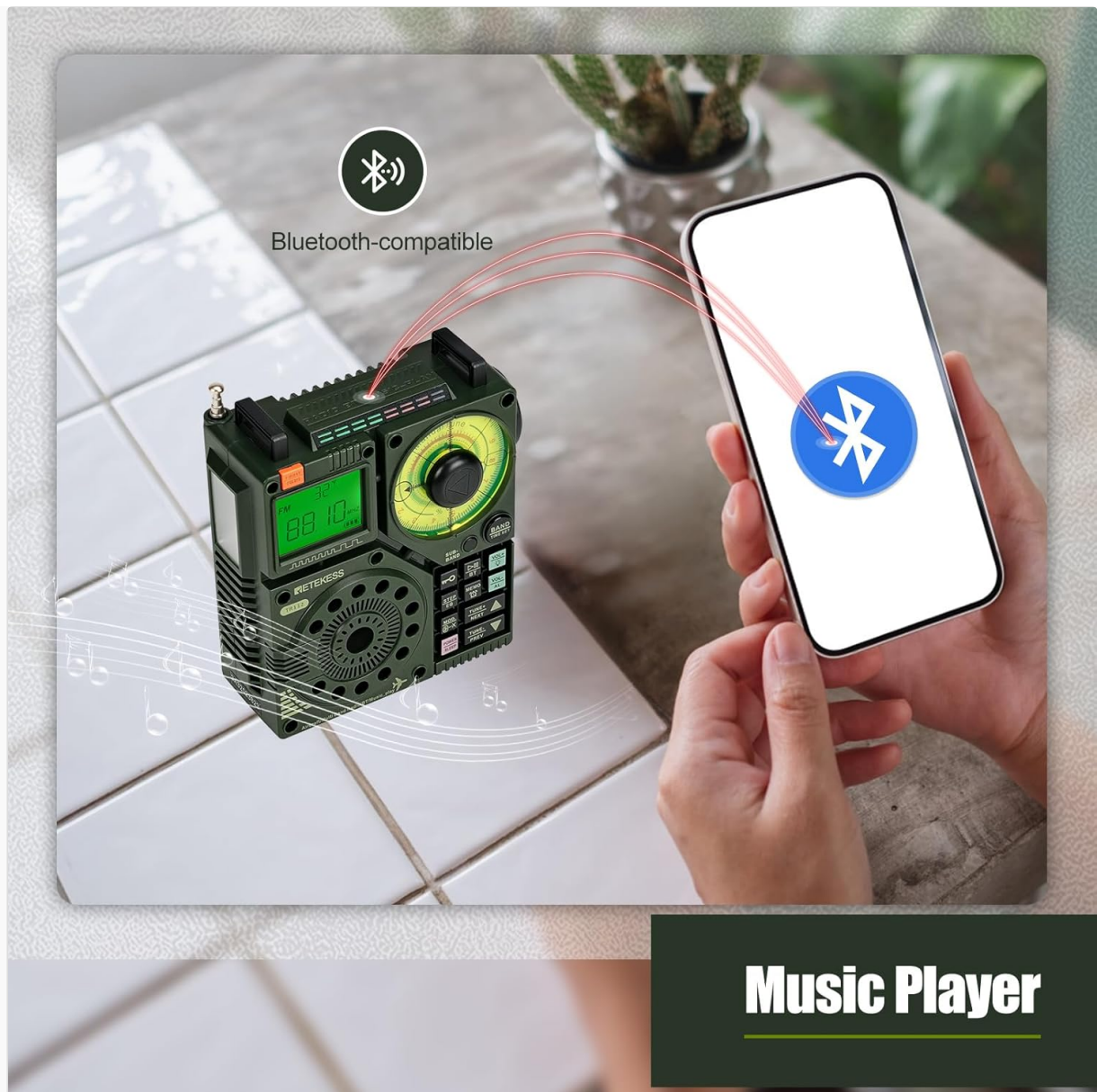


Figure 5.4: Bluetooth connectivity for music playback.

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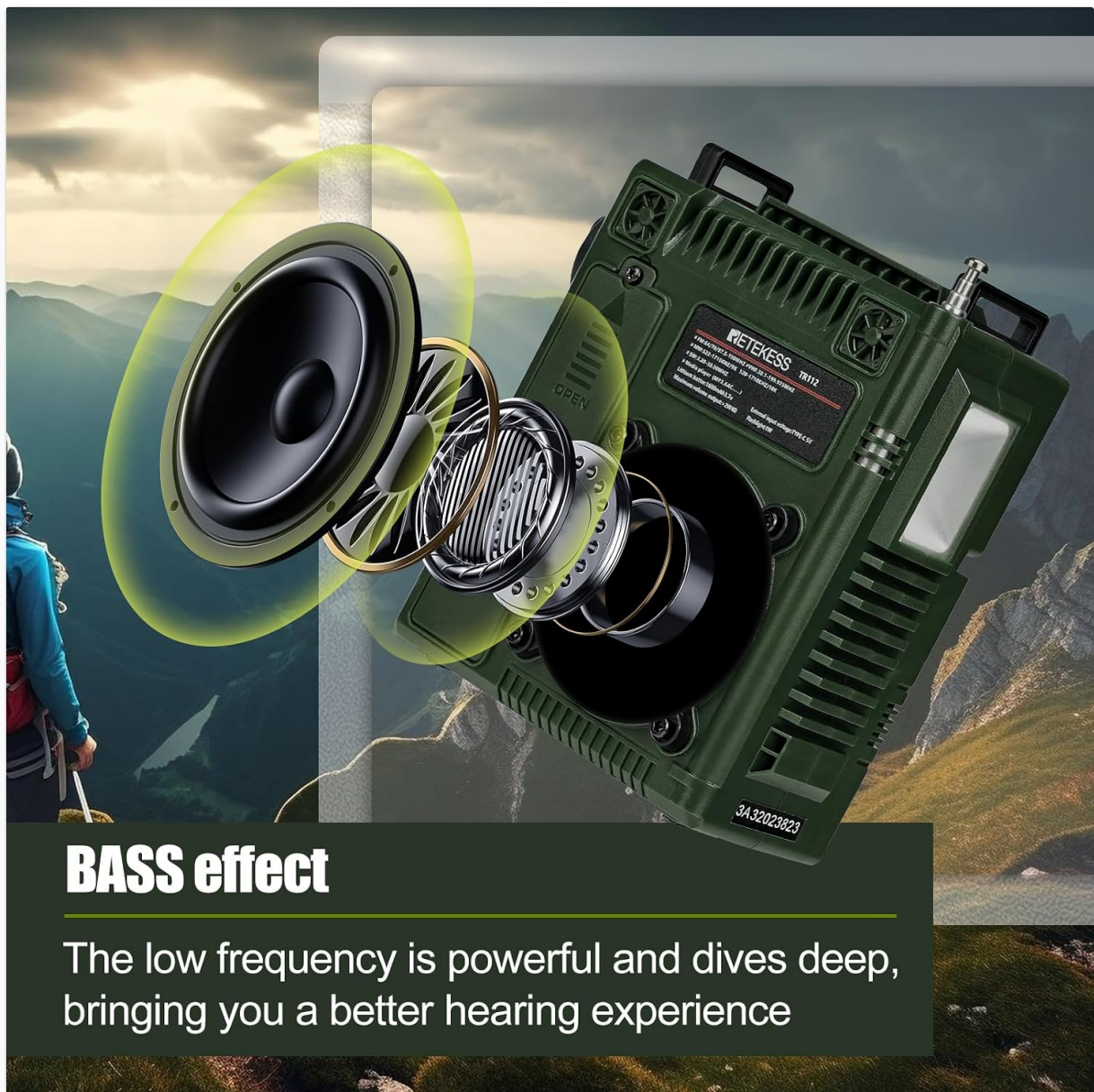
Video 5.5: Instructions for Bluetooth connection, EQ settings, and time setting on the Reteless TR112.

5.7 TF Card Playback

The TR112 supports audio playback from a TF (MicroSD) card. Insert a TF card with supported audio files (WAV, MP3, WMA, APE, FLAC) into the TF card slot on the side of the radio. The radio will automatically switch to TF card playback mode.

5.8 EQ Modes

The radio features 6 Equalizer (EQ) modes to enhance your listening experience. Press the **EQ** button to cycle through Normal, Pop, Rock, Jazz, Classic, and Country modes.



BASS effect

The low frequency is powerful and dives deep, bringing you a better hearing experience

Figure 5.5: Bass effect feature for enhanced audio.

5.9 Time Settings (Clock, Alarm, Sleep Timer)

The TR112 includes various time-related functions:

- **Clock:** Set the current time for display.
- **Alarm Clock:** Configure an alarm to wake you up or remind you of events.
- **Sleep Timer:** Set the radio to automatically turn off after a specified period, allowing you to fall asleep to audio without draining the battery.

5.10 SOS Function

In emergency situations, the TR112 features an SOS alarm function with an integrated flashlight.

1. Press the dedicated **SOS** button (usually located on the top or side).
2. The radio will emit a loud alarm sound, and the built-in flashlight will activate, providing visual signaling.

SOS alarm emergency function

Support flashlight lighting



Figure 5.6: SOS alarm and flashlight feature.

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Video 5.6: Demonstration of the emergency function of the TR112.

5.11 Lock Function

To prevent accidental changes to frequency or volume, activate the lock function. Refer to the APP operation manual or the product manual for specific button combinations to engage/disengage the lock.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Reteck TR112 radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the radio. For stubborn dirt, a slightly damp cloth can be used, followed by a dry one. Avoid using harsh chemicals, solvents, or abrasive cleaners.
- **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 preserve battery life, avoid fully discharging the battery frequently. If storing for a

long time, charge the battery to about 50% every few months.

- **Antenna:** Handle the telescopic antenna with care to prevent bending or breaking. Retract it when not in use or when transporting the radio.
- **Water Exposure:** The TR112 is not waterproof. Avoid exposing it to rain, splashes, or high humidity.

7. TROUBLESHOOTING

If you encounter issues with your Reteless TR112, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on.	Low battery.	Charge the radio fully using the Type-C cable.
Poor reception/static.	Antenna not extended; weak signal; interference.	Fully extend the antenna. Move to an open area. Check for nearby electronic devices causing interference.
Bluetooth not connecting.	Radio not in pairing mode; device not discoverable.	Ensure radio is in Bluetooth pairing mode. Restart both devices. Forget device on phone and re-pair.
No sound from speaker.	Volume too low; headphones connected; mute activated.	Increase volume. Disconnect headphones. Check if mute function is active.
APP control not working.	Bluetooth not connected; APP not updated.	Ensure Bluetooth connection is stable. Update the 'Radio-C' APP to the latest version.

If the problem persists after attempting these solutions, please contact Reteless customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	TR112
Dimensions (L x W x H)	2.09 x 1.02 x 3.62 inches
Item Weight	3.7 ounces
Battery	1600mAh Lithium Ion (included)
Tuner Technology	AM/FM/VHF/SW/WB/AIR
Connectivity	Bluetooth

Feature	Detail
Special Features	APP Control, SOS, Rechargeable, Built-In Flashlight, 6 EQ Modes, TF Card Playback
Power Source	Corded Electric (USB Type-C)

9. WARRANTY AND SUPPORT

Retekess products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Retekess website. Keep your purchase receipt as proof of purchase for warranty claims.

Online Support: www.retekess.com

Manufacturer: Retekess