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> ANYSECU Shortwave AM FM Radio ATS-20 Plus AIR Band DSP Full Band (MW & SW) SSB (LSB & USB) Scanner Portable Radio User Manual

## ANYSECU SI4732

# ANYSECU Shortwave AM FM Radio ATS-20 Plus User Manual

Model: SI4732 | Brand: ANYSECU

## INTRODUCTION

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This manual provides comprehensive instructions for the operation and maintenance of your ANYSECU ATS-20 Plus Shortwave AM FM Radio. Designed for portability and versatility, this DSP full-band receiver supports MW, SW, SSB (LSB & USB), AM, and FM bands, offering a wide range of listening experiences. Please read this manual thoroughly to ensure proper use and to maximize the performance of your device.



Figure 1: ANYSECU ATS-20 Plus Shortwave Radio, front view with telescopic antenna extended.

## PACKAGE CONTENTS

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Verify that all items listed below are present in your product packaging:

- 1 x ANYSECU ATS-20 Plus Radio Receiver
- 1 x Telescopic Antenna
- 1 x Internal Battery (pre-installed)

# Standard Package

1 \* Radio Receiver; 1\* Antenna



Figure 2: Standard package contents including the radio receiver and antenna.

## PRODUCT OVERVIEW

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The ATS-20 Plus features a compact design with an aluminum alloy case for durability and heat dissipation. Key components include a backlit LCD display, various control buttons, and essential ports.

### Key Features:

- **Aluminum Alloy Case:** Provides sturdy and durable protection, with vent holes for heat dissipation.
- **Backlit LCD Display:** Convenient for night use, showing frequency, band, and other operational parameters.
- **T-style USB Charging Port:** For convenient battery charging.
- **Detachable Antenna:** BNC interface for easy attachment and removal, allowing for external antenna options.
- **3.5mm Headset Jack:** For private listening.
- **8 Ohm Speaker 1W Output:** For integrated audio playback.

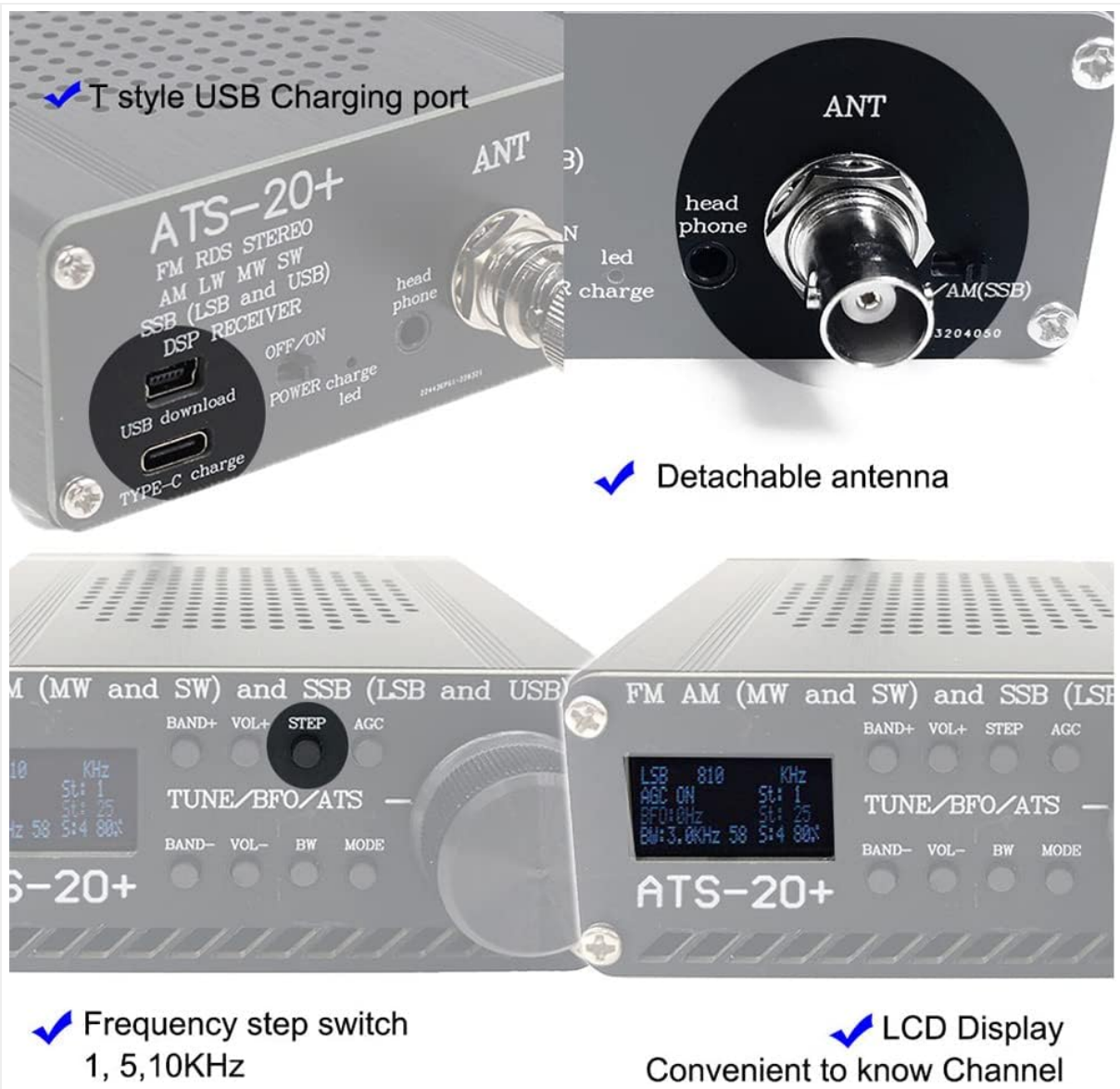


Figure 3: Detailed view of the radio's ports and display, highlighting the USB charging port, detachable antenna connection, and the LCD screen.

## Aluminum Alloy Case

The ATS-20+ case is made of aluminium alloy+metal, STURDY AND DURABLE, Vent Air hole design, heat dissipation, prevent hot.



Figure 4: Illustration of the durable aluminum alloy case, designed for robustness and efficient heat management.

# Telescopic Antenna

Adjustable Antenna, When the signal is weak, stretch the antenna to get a better Listen feeling. It can be easily put away when not in use.



Figure 5: The adjustable telescopic antenna, which can be extended for improved signal reception and retracted for portability.

## SETUP

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### 1. Charging the Battery:

The ATS-20 Plus comes with a built-in rechargeable battery. Connect the radio to a standard USB power source using the provided USB cable. The "POWER charge led" indicator will illuminate during charging and turn off when fully charged. Ensure the battery is fully charged before first use for optimal performance.

### 2. Attaching the Antenna:

Screw the telescopic antenna into the BNC antenna interface located on the top of the radio. For best reception, extend the antenna fully when operating. The antenna can be detached for transport or when using an external antenna.

### 3. Powering On/Off:

Locate the ON/OFF switch on the side of the radio. Slide the switch to the "ON" position to power on the device. Slide it to "OFF" to power down.

## OPERATING INSTRUCTIONS

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### 1. Band Selection:

Press the **BAND+** or **BAND-** buttons to cycle through the available frequency bands (FM, AM, MW, SW, AIR). The selected band will be displayed on the LCD screen.

### 2. Tuning and Frequency Adjustment:

Use the large rotary knob on the right side of the radio to tune to desired frequencies. The frequency step can be adjusted by pressing the **STEP** button, cycling between 1KHz, 5KHz, and 10KHz steps. This allows for fine-tuning, especially for SSB signals.

### 3. Mode Selection (AM, FM, SSB):

Press the **MODE** button to switch between different modulation modes: AM, FM, and SSB (LSB/USB). For SSB reception, fine-tuning with the rotary knob and appropriate step size is crucial.

### 4. Volume Control:

Adjust the audio output level using the **VOL+** and **VOL-** buttons.

### 5. Audio Output:

The radio features a built-in speaker. For private listening, connect 3.5mm headphones to the headset jack. The audio output also supports an 8 ohm 1W external speaker.

### 6. Pre-configured Bands:

The radio comes with 22 commercial radio bands pre-configured for immediate use. These include various FM, AM, LW, MW, and SW bands, as well as specific amateur radio bands (e.g., 160m, 80m, 40m, 20m, 10m).

# Full Band Receiver

FM stereo, AM, LW, SW, SSB world band receiver, radio receiver suitable for global FM broadcast reception.

FM\_BAND\_TYPE, 8400, 10800, 10430, 10,  
 LW\_BAND\_TYPE, 100, 510, 300, 1,  
 MW\_BAND\_TYPE, 520, 1720, 810, 10,  
 SW\_BAND\_TYPE, 1720, 3500, 1900, 1, // 160 meters  
 SW\_BAND\_TYPE, 3500, 4500, 3700, 1, // 80 meters  
 SW\_BAND\_TYPE, 4500, 5500, 4850, 5,  
 SW\_BAND\_TYPE, 5500, 6300, 6000, 5,  
 SW\_BAND\_TYPE, 6300, 7800, 7050, 5, // 40 meters  
 SW\_BAND\_TYPE, 7800, 10000, 9600, 5,  
 SW\_BAND\_TYPE, 10000, 11000, 10100, 1, // 30 meters  
 SW\_BAND\_TYPE, 11000, 12500, 11940, 5,  
 SW\_BAND\_TYPE, 12500, 13900, 13600, 5,  
 SW\_BAND\_TYPE, 13900, 14500, 14270, 1, // 20 meters  
 SW\_BAND\_TYPE, 14500, 15900, 15300, 5,  
 SW\_BAND\_TYPE, 15900, 17900, 17600, 5,  
 SW\_BAND\_TYPE, 17900, 18300, 18100, 1, // 17 meters  
 SW\_BAND\_TYPE, 18300, 21900, 21200, 1, // 15 meters  
 SW\_BAND\_TYPE, 21900, 26200, 24840, 1, // 12 meters  
 SW\_BAND\_TYPE, 26200, 27900, 27500, 1, // CB band (11 meters)  
 SW\_BAND\_TYPE, 27900, 30000, 28400, 1, // 10 meters



Figure 6: The display illustrating the wide range of supported frequency bands, including FM, AM, LW, SW, and SSB world band reception.

## MAINTENANCE

To ensure the longevity and optimal performance of your ATS-20 Plus radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the radio. 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:** Recharge the battery regularly, even if the radio is not frequently used, to maintain battery health. Avoid fully discharging the battery for prolonged periods.
- **Antenna Care:** Handle the telescopic antenna carefully to prevent bending or breakage. Retract it when not in use or during transport.

## TROUBLESHOOTING

If you encounter issues with your ATS-20 Plus, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power/Radio does not turn on.	Battery is discharged.	Connect the radio to a USB power source and charge the battery.
Poor reception or static.	Antenna not fully extended or detached; weak signal; interference.	Fully extend the telescopic antenna. Try repositioning the radio. Check for local interference sources. Consider an external antenna for better reception.
No sound from speaker/headphones.	Volume too low; headphones not properly connected; faulty speaker/headphones.	Increase the volume using <b>VOL+</b> . Ensure headphones are fully plugged in. Test with different headphones or verify speaker functionality.
Cannot tune to specific frequencies.	Incorrect band selected; incorrect frequency step.	Verify you are on the correct band. Adjust the frequency step using the <b>STEP</b> button for finer tuning.

## SPECIFICATIONS

Feature	Detail
Model Number	SI4732
Product Dimensions	3.94 x 1.57 x 3.94 inches (10 x 4 x 10 cm)
Item Weight	9.9 ounces (280 grams)
Color	Black
Power Source	Battery Powered (1 A battery included)
Connectivity Technology	USB
Tuner Technology	AM, FM, SSB (LSB & USB)
Radio Bands Supported	AM, FM, MW, SW, AIR (22 pre-configured commercial bands)
Audio Output	3.5mm Headset, 8 Ohm Speaker 1W
Antenna Interface	BNC
Display Technology	LCD

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official ANYSECU website. Keep your proof of purchase for warranty claims.