

RADIWOW R108, AN-80

SIHUADON R108 Full Band Portable Radio and XHDATA AN-80 Shortwave Reel Antenna User Manual

Model: R108 (Radio), AN-80 (Antenna) | Brand: RADIWOW

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your SIHUADON R108 Full Band Portable Radio and XHDATA AN-80 Shortwave Reel Antenna. Please read this manual thoroughly before using the product to ensure proper function and longevity.



Figure 1: SIHUADON R108 Portable Radio and XHDATA AN-80 Shortwave Reel Antenna.

This image displays both the SIHUADON R108 portable radio and the XHDATA AN-80 shortwave reel antenna. The radio is a compact, dark grey unit with a display screen and various buttons, while the antenna is a black, circular reel with connecting cables.

2. PRODUCT FEATURES

- **Multi-Band Reception:** The SIHUADON R108 supports FM Stereo, LW, MW, SW, and Airband frequencies, offering a wide range of listening options.
- **DSP Receiver:** Equipped with Digital Signal Processing (DSP) technology for enhanced reception and audio clarity.

- **Convenient Functions:** Includes features such as ATS (Auto Tuning Storage), memory preset stations, sleep timer, alarm clock, and temperature display.
- **Enhanced Shortwave Reception:** The XHDATA AN-80 Shortwave Reel Antenna significantly improves the performance and reception of shortwave and FM signals for any compatible radio, including the R108.
- **Portability:** Both the R108 radio (12.8 x 3.1 x 7.6 cm, 210g) and the AN-80 antenna are compact and lightweight, making them ideal for travel and outdoor use.



Figure 2: SIHUADON R108 Portable Radio Front View.

This image provides a detailed front view of the SIHUADON R108 radio, highlighting its display screen, numerical keypad, and various function buttons. The telescopic antenna is extended.



Figure 3: XHDATA AN-80 Shortwave Reel Antenna.

This image shows a close-up of the XHDATA AN-80 shortwave reel antenna, a compact black circular device with various connection cables and plugs for different radio types.

3. SETUP AND CONNECTIONS

3.1. SIHUADON R108 Radio Setup

1. **Battery Installation:** Open the battery compartment cover on the back of the R108 radio. Insert the provided BL5C rechargeable battery, ensuring correct polarity. Close the cover securely.
2. **Charging:** Connect the supplied USB charging cable to the "USB IN 5V" port on the side of the radio and the other end to a standard USB power adapter (not included) or a computer USB port. The charging indicator will illuminate.

3. **Power On/Off:** Press and hold the power button (usually marked with a circle and vertical line) to turn the radio on or off.

3.2. XHDATA AN-80 Antenna Connection

The XHDATA AN-80 antenna is designed to improve reception for FM and Shortwave bands. It can be used with radios that have an external antenna jack or those without.

1. **For Radios with Antenna Jack:**

- Locate the FM/SW Antenna Jack on your SIHUADON R108 radio (or other compatible radio).
- Connect the appropriate plug from the AN-80 antenna (e.g., 3.5mm jack) into the radio's antenna input.

2. **For Radios Without Antenna Jack:**

- The AN-80 antenna includes clips that can be attached directly to the radio's telescopic antenna for improved reception.
- Extend the radio's telescopic antenna fully. Attach the clip from the AN-80 antenna to the extended telescopic antenna.

3. **Antenna Placement:** For optimal shortwave reception, it is recommended to set up the AN-80 antenna outdoors, away from electrical interference. Extend the antenna wire fully (720cm / 23 feet).



Figure 4: Radio and Antenna Connection Example.

This image demonstrates how the XHDATA AN-80 antenna connects to the SIHUADON R108 radio, showing the antenna's reel and its cable extending towards the radio's telescopic antenna.

4. OPERATING INSTRUCTIONS

4.1. Basic Operation

- **Power On/Off:** Press the **Power** button (usually orange) to turn the radio on or off.

- **Volume Control:** Rotate the **Volume Knob** (located on the right side) to adjust the audio output level.
- **Band Selection:** Press the **BAND** button to cycle through available frequency bands: FM, MW, LW, SW, AIR.
- **Tuning:**
 - **Manual Tuning:** Rotate the **Tuning Knob** (large knob on the right) to manually adjust the frequency.
 - **Direct Frequency Entry:** Use the numerical keypad (0-9) to directly enter a desired frequency, then press **FREQ.**
 - **ATS (Auto Tuning Storage):** Press the **ATS** button to automatically scan and store available stations within the current band.
- **Memory Presets:**
 - **Storing a Station:** Tune to the desired station, then press **MEMORY**, select a memory location using the tuning knob or number keys, and press **MEMORY** again to confirm.
 - **Recalling a Station:** Press **VM/VF** to switch to memory mode, then use the tuning knob or number keys to select a stored station.

4.2. Advanced Functions

- **Alarm Clock:** Press the **ALARM** button to set the alarm time. Use the tuning knob or number keys to adjust hours and minutes. Press **ALARM** again to confirm.
- **Sleep Timer:** Press the **SLEEP** button repeatedly to cycle through different sleep timer durations (e.g., 10, 20, 30, 60, 90 minutes). The radio will automatically turn off after the selected time.
- **Temperature Display:** The radio's display can show the current ambient temperature. Refer to the display for this information.
- **Squelch Function:** The **SQUELCH** control (integrated with the tuning knob) helps to suppress background noise, especially useful on Airband.



Figure 5: SIHUADON R108 Radio Key Features and Ports.

This diagram illustrates the key buttons and ports on the SIHUADON R108 radio, including the multifunctional tuning knob/squelch, volume knob, USB 5V DC-IN jack, FM&SW antenna jack, and earphone jack.

5. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the radio and antenna. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, remove the battery from the radio. Store the radio and antenna in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Water Exposure:** This product is not waterproof. Avoid exposure to rain, moisture, or liquids.
- **Battery Care:** Recharge the battery regularly, even if not in frequent use, to maintain its lifespan.

6. TROUBLESHOOTING

- **No Power:**
 - Ensure the battery is correctly installed and charged.
 - Check the USB charging cable connection if operating on external power.
- **Poor Reception:**
 - Extend the radio's telescopic antenna fully.
 - Ensure the XHDATA AN-80 antenna is properly connected and fully extended (720cm / 23 feet).
 - Try relocating the radio and antenna, especially for shortwave, as indoor environments can significantly affect reception. Outdoor setup is recommended for best results.
 - Check for local interference from electronic devices.
- **No Sound:**
 - Adjust the volume knob.
 - Ensure headphones are not plugged in if you expect sound from the speaker.
- **Buttons Unresponsive:**
 - Try turning the radio off and on again.
 - Ensure the keypad lock function (if present) is not activated.

7. SPECIFICATIONS

7.1. SIHUADON R108 Radio

Feature	Description
Brand	RADIWOW
Model	R108
Frequency Range	FM: 87~108 MHz (Europe/US: 87.5~108MHz) SW: 1711~29999 kHz LW: 150~450 kHz Airband: 118-137 MHz MW: 520-1710 kHz
Number of Channels	500 Memory Presets
Dimensions (L x W x H)	12.8 x 3.1 x 7.6 cm (5.03 x 1.2 x 2.9 inches)
Weight	210g
Power Source	BL5C Rechargeable Battery, USB 5V DC-IN



Figure 6: SIHUADON R108 Radio Dimensions and Portability.

This image illustrates the compact dimensions of the SIHUADON R108 radio (12.8 x 3.1 x 7.6 cm) and its light weight (210g), demonstrating its portability by showing it fitting into a pocket.

7.2. XHDATA AN-80 Antenna

Feature	Description
Brand	XHDATA (associated with RADIWOW)
Model	AN-80
Type	Shortwave Reel Antenna
Cable Length	720 cm (23 feet)
Purpose	Improves reception of FM and SW bands

8. WARRANTY AND SUPPORT

Both the SIHUADON R108 Radio and the XHDATA AN-80 Antenna come with **aone-year warranty** from the date of purchase.

For warranty claims, technical support, or any questions regarding your product, please contact customer service. We are committed to providing assistance and resolving any issues you may encounter.

Contact information can typically be found on the product packaging or the official RADIWOW/XHDATA website.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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