

Retevis EUA9305A

Retevis MA1 Amateur Radio Mobile Transceiver User Manual

Model: EUA9305A

1. INTRODUCTION

This manual provides instructions for the operation and maintenance of the Retevis MA1 Amateur Radio Mobile Transceiver. The MA1 is a high-performance 50W mobile radio designed for amateur radio enthusiasts, offering multiband reception and advanced communication features.



Image 1.1: The Retevis MA1 Amateur Radio Mobile Transceiver with its detachable control panel and speaker microphone.

2. KEY FEATURES

- **Cross-band Repeater Functionality:** The MA1 radio can operate as an inter-band relay, facilitating seamless communication across different frequency bands.

Cross-band Relay

Transmit a signal on one band that was received on another



Image 2.1: Visual representation of the cross-band relay feature, showing signal transmission between 2m and 70cm bands.

- **Stable Transmission with Superheterodyne Receiver:** Equipped with a superheterodyne receiver, the device ensures a stable transmission signal and strong resistance to interference, even in challenging conditions.

Superheterodyne Receiver

Offer more stable communication in harsh conditions



Image 2.2: Illustration of the superheterodyne receiver's role in providing stable communication.

- **Detachable and Reversible Control Panel:** The front control panel can be detached and inverted, offering flexible installation options and preventing potential damage to the speaker, while ensuring clear audio output.

Detachable Panel

Increase operationality and flexibility to meet various needs



Image 2.3: The detachable control panel, allowing for versatile mounting and improved user experience.

- **High Power Output for Long-Range Communication:** The 50W high power output ensures a stable signal for reliable long-distance communication, suitable for travel or emergency rescue operations.

High Power Ham Radio

Stable signal to communicate over a distance



Image 2.4: Representation of the radio's high power enabling communication over extended distances.

- **TX Noise Cancellation Function:** Equipped with a TX noise cancellation feature, the radio transmits clearly even in noisy environments, crucial for rapid response in emergency situations.

Noise Cancellation Function

TX noise reduction
Isolate the noise for clear transmission



Image 2.5: The noise cancellation function ensuring clear voice transmission amidst background noise.

- **Multiband Reception:** The mobile dual-band radio supports reception across 2m, 70cm, FM, AM, and aviation bands, offering diverse listening experiences.

Multi-band Reception



Image 2.6: The radio's ability to receive signals from multiple frequency bands including 2m, 70cm, FM, AM, and aviation.

- **Dual Display/Dual Watch:** Simultaneously displays and monitors both 2m and 70cm frequencies, enhancing communication flexibility and efficiency.

Dual Display/Dual Watch

Check and receive information from two channels conveniently



Image 2.7: The radio's display showing two frequencies simultaneously for dual watch operation.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, contact your retailer.

Package Includes



Image 3.1: All components included in the Retevis MA1 Amateur Radio package.

- MA1 Amateur Radio x1
- Speaker Microphone x1
- Data Cable x1
- Fuse x2
- Power Cable x1
- 3m Connection Cable x1
- Microphone Bracket x1
- Panel Bracket x1
- Radio Bracket x1
- Screws (various)
- User Manual x1

4. SETUP

4.1 Mounting the Radio

1. Choose a stable and secure location in your vehicle or operating area for the main radio unit. Ensure adequate ventilation.
2. Use the provided radio bracket and screws to securely mount the main unit.

4.2 Mounting the Detachable Control Panel

1. Select a convenient location for the control panel, ensuring it is easily accessible and visible.
2. Attach the panel bracket to your chosen surface using the provided screws.
3. Connect the control panel to the main unit using the 3m connection cable. The panel can be inverted for optimal viewing angle.

4.3 Connecting the Speaker Microphone

1. Plug the speaker microphone cable into the designated port on the control panel.
2. Use the microphone bracket to secure the speaker microphone when not in use.



Image 4.1: The speaker microphone and its connection points, highlighting the flexibility of operation.

4.4 Power Connection

1. Connect the provided power cable to the main radio unit.
2. Connect the other end of the power cable to a suitable 12V DC power source (e.g., vehicle battery). Ensure correct polarity.
3. Install the fuses as instructed to protect the radio from power surges.

Note: The product specifications mention 'AA batteries required', which is typically for handheld devices. For this mobile transceiver, it is powered by a 12V DC source, usually from a vehicle. Please disregard the AA battery note for the main unit's power supply.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the power button on the control panel to turn the radio on or off.

5.2 Frequency Selection and Tuning

- Use the VFO (Variable Frequency Oscillator) knob to adjust the frequency.
- The MA1 supports dual display, allowing you to monitor two frequencies simultaneously.



Image 5.1: The control knobs allow for independent adjustment of various settings.

5.3 Mode Selection (FM/AM)

The radio supports FM and AM modes. Refer to the full user manual for specific button presses to switch between modes, including the aviation band reception.

5.4 Transmitting

- Ensure you are on an authorized frequency.
- Press the PTT (Push-To-Talk) button on the speaker microphone to transmit. Release to receive.
- Utilize the TX noise cancellation feature for clear transmissions, especially in noisy environments.

5.5 Adjusting Power Output

The radio offers adjustable power output. Use the 'LOW' button or menu option to switch between high and low power settings as needed.



Image 5.2: The 'LOW' button for adjusting the radio's power output.

5.6 FM Radio Function

The MA1 includes an FM radio function for entertainment. Consult the detailed manual for instructions on how to activate and tune the FM broadcast receiver.



6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Connections:** Periodically check all cable connections for security and signs of wear.
- **Environment:** Avoid exposing the radio to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Fuse Replacement:** If the radio fails to power on, check the fuses in the power cable. Replace with the correct type and rating (provided spares).

7. TROUBLESHOOTING

- **No Power:**
 - Ensure the power cable is securely connected to both the radio and the 12V power source.
 - Check the fuses in the power cable. Replace if blown.
 - Verify the 12V power source is functioning correctly.
- **No Audio:**
 - Check the volume level.
 - Ensure the speaker microphone is properly connected.
 - Verify that the squelch level is not set too high.
- **Cannot Transmit:**
 - Ensure the PTT button is fully pressed.
 - Check if the frequency is busy or if there are any transmission restrictions (e.g., repeater offset settings).
 - Verify antenna connection.
- **Poor Reception:**
 - Check antenna connection and condition.
 - Adjust squelch level.
 - Ensure you are within range of the transmitting station or repeater.

For further troubleshooting, refer to the comprehensive user manual or contact Retevis customer support.

8. SPECIFICATIONS

Attribute	Value
Brand	Retevis
Model Number	EUA9305A
Color	Black
Number of Channels	800

Frequency Range	144-148 MHz, 430-450 MHz (VHF/UHF)
Product Dimensions	14 cm (D) x 21.2 cm (W) x 4.4 cm (H)
Power Source	12V DC (Vehicle Power)
Compatible Devices	Retevis RM
Country of Origin	China

9. WARRANTY AND SUPPORT

9.1 Manufacturer Warranty

Retevis offers a **2-year warranty** for the radio body and a **1-year warranty** for accessories. Additionally, a 30-day return policy is provided for returns without specific reason.

9.2 Post-Warranty Service

Beyond the warranty period, maintenance services are still available. Buyers are responsible for any associated costs. For service inquiries, please contact Retevis customer support via Amazon, and a response will be provided within 12 hours.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question

