

## Retevis FJ9118J

# Retevis RT21 RT21V Battery Eliminator User Manual

Model: FJ9118J | Brand: Retevis

## 1. INTRODUCTION

This user manual provides essential information for the safe and effective use of the Retevis RT21 RT21V Battery Eliminator. This device is designed to provide continuous power to your compatible Retevis walkie-talkie directly from a vehicle's 12V-24V power outlet, eliminating the need for the radio's internal battery during vehicle operation. Please note that this unit is a battery eliminator and not a battery charger; it does not recharge the radio's battery.

## 2. KEY FEATURES

- **Input Voltage:** 12V-24V DC for vehicle power outlets.
- **Output Voltage:** 3.7V DC, specifically designed for compatible Retevis walkie-talkies.
- **Direct Power Supply:** Replaces the need for the radio's battery when operating in a vehicle.
- **Convenience:** Eliminates the need to carry heavy chargers or spare batteries for in-vehicle use.
- **Versatile Application:** Ideal for use in various professional and outdoor settings such as police, military, security, restaurants, hotels, warehouses, and during car trips.
- **Important Note:** This device is a battery eliminator and does not store or recharge battery power.

## 3. COMPATIBILITY

This battery eliminator is specifically designed for use with the following Retevis walkie-talkie models:

- Retevis RT21
- Retevis RT21V

Ensure your radio model is listed above for proper functionality.

## 4. PACKAGE CONTENTS

The package includes the following items:

- 1 x Retevis RT21/RT21V Walkie Talkie Battery Eliminator

## 5. SETUP AND INSTALLATION

Follow these steps to properly install and use your battery eliminator:

1. **Prepare the Walkie-Talkie:** Ensure your Retevis RT21 or RT21V walkie-talkie is powered off before installation.
2. **Remove the Battery:** Carefully remove the existing battery pack from your walkie-talkie. Refer to your radio's user manual for specific instructions on battery removal.



Figure 5.1: Battery eliminator attached to the radio.

3. **Install the Battery Eliminator:** Align the battery eliminator with the battery compartment of your walkie-talkie and slide it into place until it clicks securely. It should fit just like a standard battery pack.



Figure 5.2: The Retevis Battery Eliminator unit.

4. **Connect to Vehicle Power:** Insert the car charger plug of the battery eliminator into your vehicle's 12V or 24V cigarette lighter socket or auxiliary power outlet.



*Figure 5.3: The car charger plug.*

5. **Power On:** Once connected, you can power on your walkie-talkie. The device will now draw power directly from your vehicle's electrical system.

## 6. OPERATING INSTRUCTIONS

The Retevis Battery Eliminator is designed for straightforward operation:

- Once properly installed and connected to a vehicle's power outlet, the battery eliminator provides continuous power to your compatible Retevis walkie-talkie.
- The radio will operate as normal, drawing power directly from the vehicle.
- There are no additional controls or settings on the battery eliminator itself. Its function is solely to supply power.
- **Important:** This device does not charge the radio's battery. If you wish to use your radio away from the vehicle, you must replace the battery eliminator with a fully charged battery pack.

## 7. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your Retevis Battery Eliminator, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use harsh chemicals, cleaning solvents, or strong detergents.
- **Storage:** When not in use, store the battery eliminator in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not bend or excessively stretch the coiled cable.
- **Moisture:** Keep the device away from water and high humidity. It is not waterproof.
- **Disassembly:** Do not attempt to disassemble or modify the battery eliminator. This will void the warranty and could cause damage to the device or your radio.

## 8. TROUBLESHOOTING

If you encounter issues with your Retevis Battery Eliminator, refer to the following common problems and solutions:

| Problem                                 | Possible Cause                                                                                                                                                                                   | Solution                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radio does not power on when connected. | Loose connection to vehicle outlet.<br>Vehicle outlet is not providing power (e.g., vehicle off, blown fuse).<br>Battery eliminator not securely attached to radio.<br>Incompatible radio model. | Ensure the car charger plug is firmly seated in the vehicle's power outlet.<br><br>Check if the vehicle's power outlet is active. Test with another device if possible. Check vehicle's fuse box.<br><br>Verify the battery eliminator is correctly and securely installed in the radio's battery compartment.<br><br>Confirm your radio is a Retevis RT21 or RT21V. |
| Coiled cord appears damaged.            | Excessive pulling or stretching.                                                                                                                                                                 | Discontinue use immediately. Contact Retevis support for replacement.                                                                                                                                                                                                                                                                                                |
| Device feels hot during use.            | Normal operation or potential overload.                                                                                                                                                          | A slight warmth is normal. If it becomes excessively hot, disconnect immediately and ensure the radio is compatible and not drawing excessive power.                                                                                                                                                                                                                 |

If the problem persists after trying these solutions, please contact Retevis customer support.

## 9. TECHNICAL SPECIFICATIONS

| Attribute                  | Specification          |
|----------------------------|------------------------|
| Model Number               | FJ9118J                |
| Input Voltage              | DC 12V-24V             |
| Output Voltage             | DC 3.7V                |
| Cable Length (unstretched) | 40 cm (15.75 inches)   |
| Weight                     | 70g (2.47 ounces)      |
| Product Dimensions         | 4.7 x 7.1 x 0.5 inches |
| Color                      | Black                  |
| Connectivity Technology    | Proprietary (Retevis)  |
| Connector Type             | Proprietary            |
| Mounting Type              | Travel/portable        |

## 10. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card or documentation included with your purchase. You can also visit the official Retevis website for the most up-to-date warranty policies and customer support resources.

**Retevis Official Store:** [Visit the Retevis Store on Amazon](#)

For technical assistance, troubleshooting beyond this manual, or replacement parts, please contact Retevis customer service directly.

© 2024 Retevis. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.