

Retevis RT1

Retevis RT1 Walkie Talkie User Manual

Model: RT1 (EUA9106CX2)

Brand: Retevis

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RT1 Walkie Talkie. The RT1 is a professional-grade two-way radio designed for reliable long-range communication in various environments, including construction sites and outdoor activities. It features a robust design, a high-capacity battery, and clear audio quality.



Image: Two Retevis RT1 walkie talkies with their charging bases and two additional long-gain antennas.

2. PACKAGE CONTENTS

Please check the package contents carefully. If any items are missing or damaged, contact your retailer.

- 2 x RT1 Walkie Talkie units
- 4 x Antennas (2 standard, 2 high-gain)
- 2 x RT1 Headsets
- 2 x 3000 mAh Li-ion Batteries
- 2 x Charging Bases with Plugs



Image: All components included in the Retevis RT1 package.

3. PRODUCT FEATURES

- **Long Range Communication:** High power output and two types of antennas (standard and high-gain) for extended communication range.
- **Durable Construction:** Robust design capable of withstanding drops from 2 meters, suitable for demanding environments.
- **High Capacity Battery:** Equipped with a 3000 mAh Li-ion battery, providing up to two weeks of standby time.
- **Clear Audio:** Powerful speakers and 1-9 level Squelch function ensure clear communication even in noisy conditions.
- **16 Channels:** Simple channel selection for ease of use.
- **VOX Function:** Voice-activated transmission for hands-free operation.
- **CTCSS/DCS:** Provides enhanced privacy and reduces interference.
- **High/Low Power Selection:** Adjustable power output to optimize range and battery life.
- **Emergency Alarm:** Pressing the side button activates an alarm to alert your team.

LONG WORKING TIME



3000 MAH



Image: The Retevis RT1 walkie talkie highlighting its 3000 mAh battery for extended working time.



Image: The RT1 walkie talkie demonstrating its robust, anti-drop construction.

LONG RANGE WALKIE TALKIES



Image: Illustration of the long-range communication capability of the RT1 walkie talkie with different antenna types.



Image: The RT1 walkie talkie emphasizing its clear sound capabilities.

4. SETUP

4.1. Battery Installation

1. Ensure the walkie talkie is powered off.
2. Locate the battery compartment on the back of the unit.
3. Slide the battery into the compartment, ensuring the contacts align.
4. Press firmly until the battery clicks into place.

Your browser does not support the video tag. Please update your browser to view this content.

Video: Demonstrates battery installation and other key features of the Retevis RT1 walkie talkie.

4.2. Antenna Attachment

1. Select the desired antenna (standard or high-gain).
2. Screw the antenna clockwise onto the connector at the top of the walkie talkie until it is finger-tight. Do not overtighten.



Image: Detailed view of the RT1 walkie talkie, including the antenna connection point.

4.3. Charging the Battery

1. Connect the charging base to a power outlet using the provided plug.
2. Place the walkie talkie (with battery installed) into the charging base.
3. The LED indicator on the charging base will show the charging status (typically red for charging, green for fully charged).



Image: The RT1 walkie talkie being charged in its desktop charger.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Volume Control

Rotate the Power/Volume knob (top left) clockwise to turn the radio on and increase the volume. Rotate counter-clockwise to decrease volume and turn the radio off.

5.2. Channel Selection

Rotate the Channel Selecting knob (top right) to choose one of the 16 available channels. The radio will announce the selected channel number.

5.3. Transmitting and Receiving (PTT)

To transmit, press and hold the Push-to-Talk (PTT) button on the side of the radio. Speak clearly into the microphone. Release the PTT button to receive.

5.4. High/Low Power Selection

The RT1 supports high and low power output. To switch between high and low power, press the designated side button (often labeled H/L or programmable). The radio will announce the current power setting.

Your browser does not support the video tag. Please update your browser to view this content.

Video: Demonstrates the high/low power selection feature of the Retevis RT1 walkie talkie.

5.5. VOX Function

The Voice Operated Exchange (VOX) function allows for hands-free transmission. When VOX is enabled, the radio will automatically transmit when it detects your voice, without needing to press the PTT button. Refer to the full user manual for programming VOX sensitivity levels.



Image: The RT1 walkie talkie illustrating the VOX hands-free communication feature.

5.6. Using the Headset

Connect the provided headset to the audio jack on the side of the walkie talkie. This allows for private listening and hands-free communication, especially useful in noisy environments.



Image: A user communicating clearly with the RT1 walkie talkie using a headset.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's surface. Do not use harsh chemicals or solvents.
- **Battery Care:** Avoid overcharging or completely draining the battery. Store the battery in a cool, dry place when not in use.
- **Antenna:** Ensure the antenna is securely attached. Do not bend or force the antenna, as this can damage the unit.
- **Storage:** Store the walkie talkie in a dry, dust-free environment away from extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive	Incorrect channel selected; out of range; antenna loose.	Verify channel, move closer to other radios, check antenna connection.
Poor audio quality	Volume too low; Squelch level too high; interference.	Adjust volume, lower Squelch level, move away from sources of interference.
Short communication range	Low power setting; environmental obstructions.	Switch to high power, use high-gain antenna, move to a more open area.

8. SPECIFICATIONS

Feature	Detail
Brand	Retevis
Model	RT1 (EUA9106CX2)
Dimensions	24 x 17.5 x 7 cm
Weight	788 g
Battery Type	2 Litio Ion (included)
Battery Capacity	3000 mAh
Average Battery Life (Stand-by)	260 Hours (approx. 2 Weeks)
Tuner Technology	VHF
Frequency Range	400-430MHz
Number of Channels	16
Max Talk Range	5 Kilometers (environmental dependent)
Voltage	8 Volts
Electrical Power	10 Watts
Noise Level	40 Decibels
Water Resistance Level	Not water resistant

9. WARRANTY AND SUPPORT

Retevis products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Retevis website or contact your local distributor. Keep your purchase receipt as proof of purchase for warranty claims.

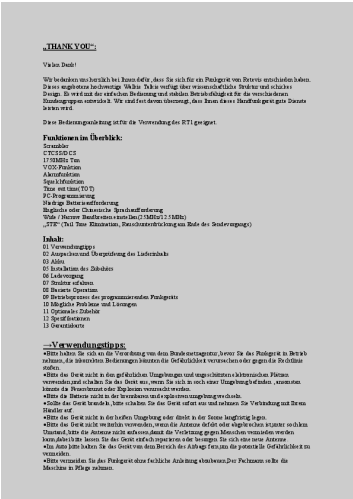
For additional resources and product information, visit the [Retevis Brand Store](#).

Related Documents - RT1

 RETEVIS Global leader in two way communication Do I need a license to use this walkie talkie? Does the walkie talkie work with other FRS walkie talkies? Can I change the frequency? What range have they got? Is there any combination/ channel key for Retevis RT22 walkie talkie to enable some functions?	Retevis RT22 Walkie Talkie FAQ and Features Frequently asked questions and key features of the Retevis RT22 walkie talkie, covering licensing, compatibility, frequency, range, and special functions like VOX and key lock.
 RETEVIS Global leader in two way communication Do I need a license to use this walkie talkie? Does the walkie talkie work with other FRS walkie talkies? Can I change the frequency? What range have they got? Is the walkie talkie rugged?	Retevis RT68 Walkie Talkie FAQ: Licensing, Range, Ruggedness & Compatibility Get answers to common questions about the Retevis RT68 FRS walkie talkie, covering licensing, frequency, range, durability, and compatibility with other FRS radios.
 RETEVIS RT-628	Retevis RT-628 Walkie-Talkie Radio for Kids - Features and Specifications Discover the Retevis RT-628, a user-friendly walkie-talkie radio designed for children. This brochure details its features, specifications, standard and optional accessories, and technical details.
 RETEVIS Global leader in two way communication Do I need a license to use this walkie talkie? Does the walkie talkie work with other FRS walkie talkies? Can I change the frequency? How long does it take to fully charge the Retevis RB66 walkie talkie? How to enable the function of scanning RB66 walkie talkie quickly?	Retevis RB66 Walkie-Talkie FAQ and Usage Guide Frequently asked questions and usage information for the Retevis RB66 walkie-talkie, covering licensing, compatibility, frequency changes, and charging.

 RETEVIS RB67 USER'S MANUAL	Retevis RB67 Two-Way Radio User Manual: Features, Operation, and Safety Comprehensive user manual for the Retevis RB67 two-way radio. Learn about its features like 22 channels, CTCSS/DCS, VOX, NOAA weather, and essential safety guidelines for optimal performance and RF exposure control.
 RETEVIS RT628 Kids Walkie Talkie	Retevis RT628 Kids Walkie Talkie User's Guide User's guide for the Retevis RT628 Kids Walkie Talkie, covering setup, operation, features, safety information, and specifications. Includes instructions for installation, volume control, channel setting, special features like VOX and call tones, and safety precautions.

Documents - Retevis – RT1

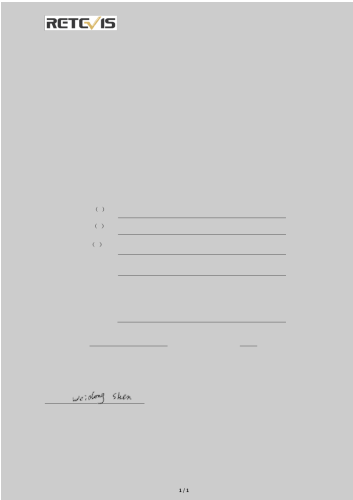


[\[pdf\]](#) User Manual

Administrator RT1 German Manual retevis resources center manual

„THANK YOU : Vielen Dank Wir bedanken uns herzlich bei Ihnen dafür, dass Sie sich für ein Funkgerät v ... dieses Handfunkgerät gute Dienste leisten wird. Diese Bedienungsanleitung ist für die Verwendung des **RT1** geeignet. Funktionen im Überblick: Scrambler CTCSS/DCS 1750MHz Ton VOX-Funktion Alarmfunktion Squ...

lang:de score:37 filesize: 436.44 K page_count: 14 document date: 2017-02-24

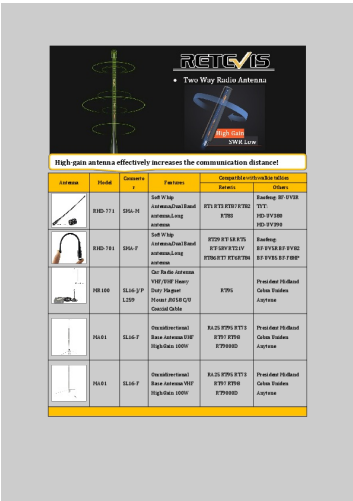


[\[pdf\]](#) Declaration of Conformity

RETEVIS RT1 EU Declaration of Conformity retevis resources center accreditations

EU Declaration of Conformity We, Shenzhen Retevis Technology Co., Ltd. Address: Room 700, 7/F, 13-C, ... sole responsibility that Radio equipment: Product s : Two Way Radio Brand Name / Model: RETEVIS / **RT1** is in conformity with the relevant Union harmonization legislation: Directive 2014/53/EU, Direc...

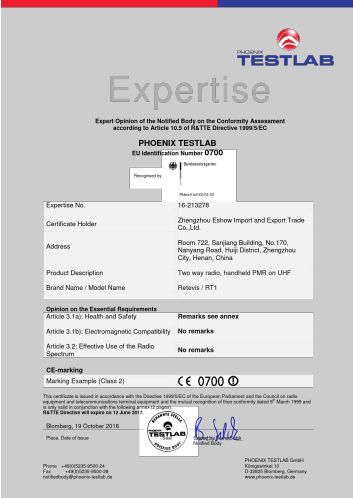
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RETCIS Two Way Radio Antennas - High Gain Communication

Explore RETCIS high-gain antennas for two-way radios, offering increased communication distance. Features include soft whip, dual band, car radio, and omnidirectional base antennas compatible with various walkie-talkie brands.

lang:nl score:26 filesize: 445.64 K page_count: 1 document date: 2021-04-22



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accreditations

Expertise Expert Opinion of the Notified Body on the Conformity Assessment
according to Article 10.5 ... ang Road, Huiji District, Zhengzhou City, Henan, China
Two way radio, handheld PMR on UHF Retevis / **RT1** Opinion on the Essential
Requirements Article 3.1a : Health and Safety Remarks see annex Arti...
lang:en score:24 filesize: 614.9 K page_count: 3 document date: 2016-10-20

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Administrator RT1 German Manual RetevisHalsmikrofon Programmierkabel Bitte unsere Website retevis besuchen um mehr Inform ationen zu erfahren Mehr optinale Zubehör von Retevis KFZ retevis Download mannual srsItd AfmBOoo0XMSWRPjRuyoFxdmW Y6QzX0RrJOIEAE4 GbTyL0jsnx4Jj2 RetevisRT1 KFZ Dieses angebotene hochwertige Walkie Talkie verfügt über wissenschaftliche Struktur und schickes

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„THANK YOU : Vielen Dank Wir bedanken uns herzlich bei Ihnen dafr, dass Sie sich fr ein Funkgert v ... dieses Handfunkgert gute Dienste leisten wird. Diese Bedienungsanleitung ist fr die Verwendung des **RT1** geeignet. Funktionen im berblick: Scrambler CTCSS/DCS 1750MHz Ton VOX-Funktion Alarmfunktion Squ... lang:de **score:23** filesize: 436.44 K page_count: 14 document date: 2017-02-24

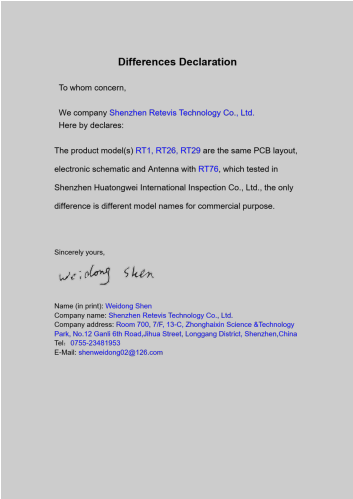
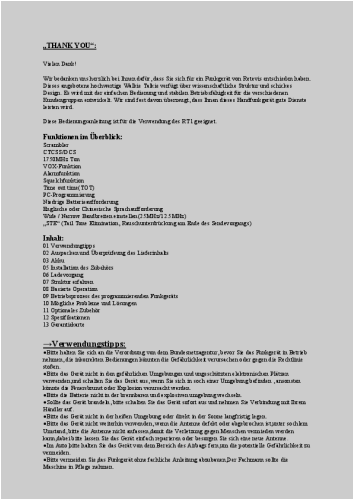
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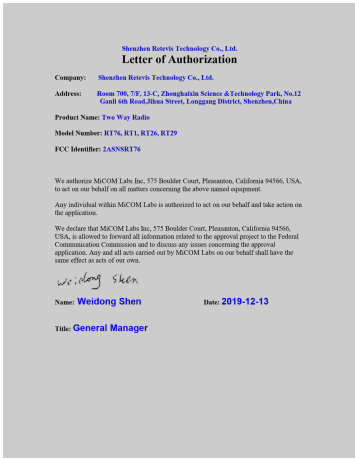
RT1 A9106A Retevis TO CUSTOMERS Thank you very much for using our two way radio This manual is suitable the model of retevis info document

... lang:de **score:22** filesize: 8.29 M page_count: 23 document date: 0000-00-00

[\[pdf\]](#) Decleration of Conformity

hss Differences Declaration Letter Shenzhen Retevis Technology Co Ltd RT76 Two Way Radio 2ASNSRT76 rt76 Differences Declaration To whom concern, We company Shenzhen Retevis Technology Co., Ltd. Here by declares: The product model s **RT1**, RT26, RT29 are the same PCB layout, electronic schematic and Antenna with RT76, which tested in Shenzhen Huatongwei International Inspection Co., Ltd., the only diffe... lang:tl **score:19** filesize: 142.39 K page_count: 1 document date: 2019-12-13





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PLEASE PRINT ON COMPANY LETTERHEAD MiCOM Labs Inc QMS Letter of Authorization Rev 1 0

Shenzhen Retevis Technology Co Ltd RT76 Two Way Radio 2ASNSRT76 rt76

Shenzhen Retevis Technology Co., Ltd. Letter of Authorization Company: Shenzhen

Retevis Technology Co., Ltd. Address: Room 700, 7/F, 13-C, Zhonghaixin Science

Technology Park, No.12 Ganli 6th Road,Jihua Street, Longgang District,

Shenzhen,China Product Name: Two Way Radio Model Number: RT76, R...

lang:en score:19 filesize: 153.8 K page_count: 1 document date: 2019-12-13



[pdf] Test Report SAR Rating

eie CHTEW19120067 Retevis FCC SAR Shenzhen Technology Co Ltd RT76 Two Way Radio

2ASNSRT76 rt76

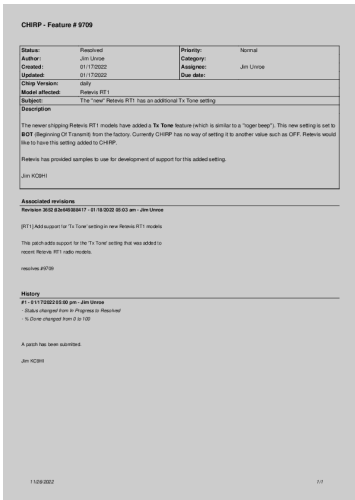
Report No: TRE18100158 Page: 1 of 26 Issued: 2018-11-05 TEST REPORT Report

No. d Model s: Standard

: RT1, RT26, RT29 FCC 47 CFR Part2.1093 IEEE Std C95.1, 1999 Edition IEEE

1528: 2013 Date of receipt ...

lang:en score:17 filesize: 5.03 M page_count: 50 document date: 2019-12-10



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CHIRP Feature 9709 chirp danplanet issues |||

CHIRP - Feature # 9709 Status: Author: Created: Updated: Chirp Version: Model

affected: Subject: Description Resolved Priority: Jim Unroe Category: 01/17/2022

Assignee: 01/17/2022 Due date: daily Retevis RT1 The new Retevis RT1 has an

additional Tx Tone setting Normal Jim Unroe The n...

lang:en score:17 filesize: 737.3 K page_count: 1 document date: 2022-11-26



Shenzhen Huatingwei International Inspection Co., Ltd.

Tel: +86 (0)755 26748019 Fax: +86 (0)755 26758009 <http://www.shdw.com.cn>



Project No. _____

Appointer's name _____

Edu Wei

Cowatching Pin

Huang Hui

[\[pdf\]](#) Test Report

Tara Mitchell FCC Part 95E GMRS Shenzhen Retevis Technology Co Ltd RT76 Two Way Radio
2ASNSRT76 rt76

TEST REPORT Report No. : CHTEW19120069 Project
No..... .. rk, No.12 Ganli 6th Road,Jihua Street, Longgang District,
Shenzhen,China Two Way Radio RETEVIS RT76 **RT1**, RT26, RT29 FCC CFR Title
47 Part 95 Subpart E Oct.29, 2019 Oct.29, 2019- Dec.12, 2019 Dec.13, 2...
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RT1 retevis resources center brochure

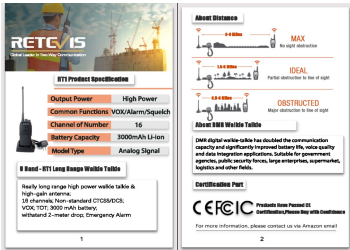
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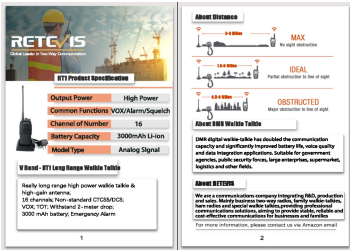
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[pdf] Specifications

Untitled Specification Sheet Retevis RT1 Long Range Walkie Talkies High Power 2 Way Radio with 3000mAh Rechargeable Emergency Alarm Talkie for Hunting Pack Electronics C1IJ09ShQhL m media amazon images I |||

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[pdf] Specifications

Untitled Specification Sheet Retevis RT1 Hunting Walkie Talkies Long Range 2m Band Radio with 3000mAh Rechargeable 16 Low Traffic Channel 2 Way for Open Terrain 1 Pack Electronics C15DzLXwxkL m media amazon images I ||||

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lang:en score:9 filesize: 4.36 M page_count: 1 document date: 2023-04-07