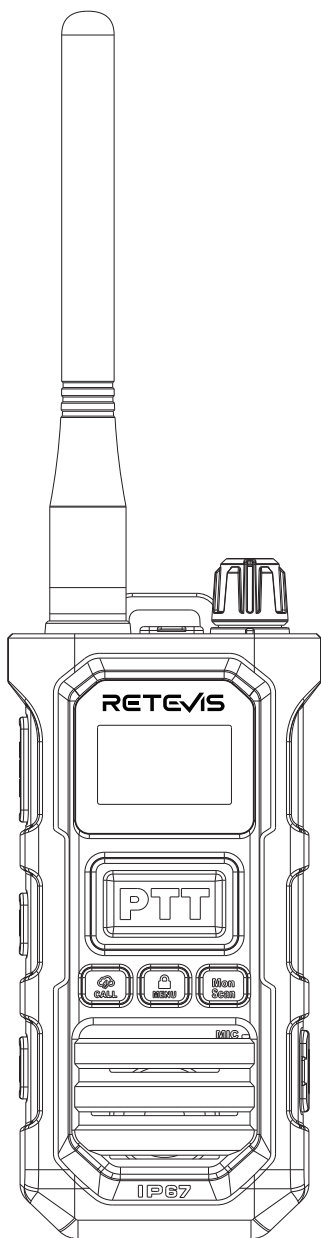


RETEVIS



RB48 Pro
USER'S MANUAL

Contents

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For downloading further resources:
Brochures, Software/Firmware, Manual etc, Please contact
your direct reseller first OR go to website retevis.com and
check “support” in the each product link to download it.

Features

IP67 Waterproof

LCD Backlight Display

121 CTCSS/DCS (38 CTCSS, 83 DCS)

Busy Channel Lockout

Headphone Jack

10 Selectable Call Tones

Built-in VOX

Roger Beep

Companding Function

CTCSS/DCS Disable

Scan Function

Keypad Lock

Channel Hiding

Voice Channel Announcement

Power-Saving Mode

Low Battery Alert

Local and Remote Alarms

TOT (Time-Out Timer)

Incoming Call Vibration

Off-Network Operation

One-Key Group Call

PTT ID

Dual PTT Buttons

Bidirectional Noise Reduction

Intelligent Audio

Emission Tone

Weather Forecast Radio (Please refer to the Weather Forecast Frequency Table)

This feature is only supported in the US and Canadian versions.

Weather Forecast Alert Tone

This is only supported in the US and Canadian versions.

Warnings:

·Do not overcharge the battery pack

If charging is not complete within the specified time (24 hours), stop charging. The battery pack may overheat, emit smoke, burst, or suddenly catch fire.

·Do not place the walkie-talkie in a microwave oven or high-pressure container

The battery pack may overheat, emit smoke, burst, or suddenly catch fire.

·Do not bring a cracked or leaking battery pack near a fire.

If the battery pack leaks (or emits a pungent odor), immediately move it away from flammable areas. The electrolyte in the battery pack is combustible and may overheat, emit smoke, burst, or suddenly catch fire.

·Use only the dedicated charger

The charger is specifically designed for this model of walkie-talkie, ensuring scientific, reasonable, safe, and reliable charging of the battery.

Battery Display and Low Battery Warning

The battery icon  displays the battery level, ranging from full to empty (0 bars). When the battery reaches 0 bars, the user is prompted to charge it, accompanied by a low battery alert every 30 seconds. When the battery level is critically low, the walkie-talkie will shut down.

Charging Instructions

Note: Do not use the walkie-talkie while charging. Turn off the walkie-talkie during charging.

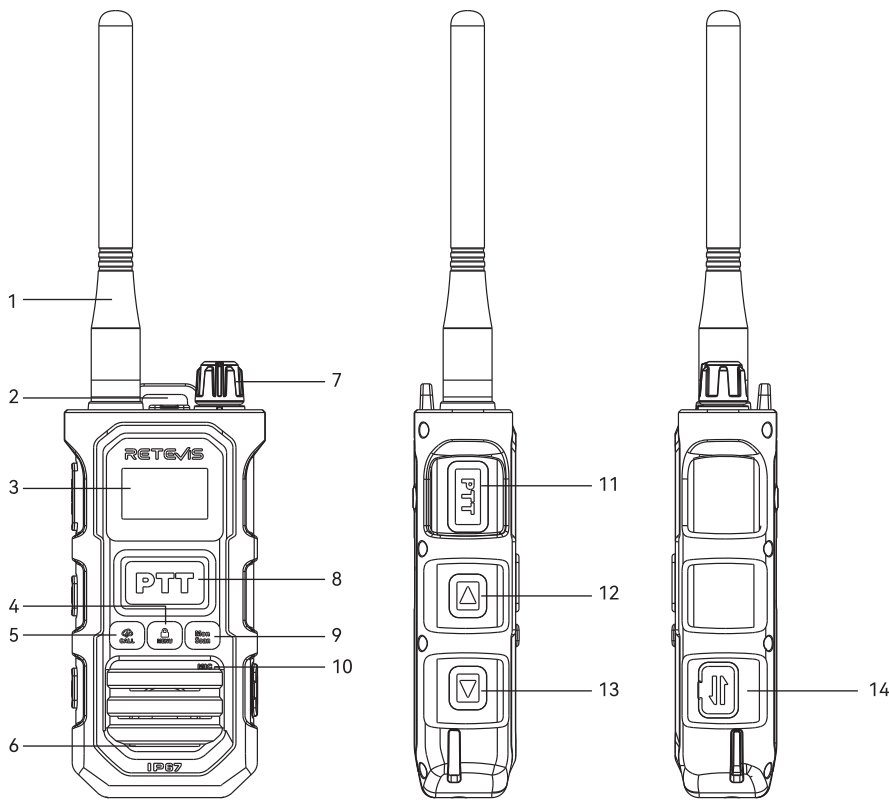
Base Charger Charging:

- 1.Plug the standard output DC 5V adapter into a power outlet.
- 2.Insert the walkie-talkie with the battery into the charging base.
- 3.Ensure good contact between the walkie-talkie and the charging contacts. The charger indicator turns red, and the battery level bars on the walkie-talkie  display start moving.
- 4.Charging is in progress. When the battery is fully charged, the charging cradle turns green, and the battery level bars on the walkie-talkie  display are full and stationary.

Type-C Charging:

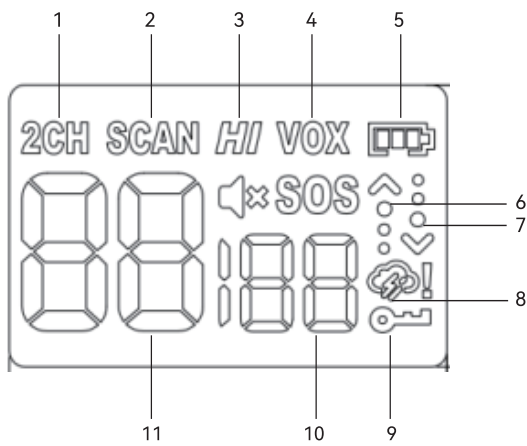
- 1.Insert the Type-C charging plug end of the charging cable into the Type-C charging port on the right side of the walkie-talkie. The battery level bars on the walkie-talkie  display start moving, indicating charging is in progress.
- 2.Charging is complete when the battery level bars on the walkie-talkie  display are full and stationary.

Get Familiar with the Device



- | | |
|--------------------------------|--|
| 1. Antenna | 8. Front Large PTT Button |
| 2. SP/MIC | 9. Scan/Monitor Key |
| 3. LCD Display | 10. Microphone |
| 4. Menu/Lock Key | 11. Side Small PTT Button |
| 5. CALL Tone/NOAA | 12. Up Key/Customizable Key |
| 6. Speaker | 13. Down Key/Customizable Key |
| 7. Power Switch/Volume Control | 14. Data Transfer/Type-C Charging Port |

LCD Display



Character Explanations

No.	Symbol	Description
1	2CH	One-Key Group Call
2	SCAN	Scan
3	HI	High Power
4	VOX	VOX
5		Battery Level
6		Transmitting Signal
7		Receiving Signal
8		NOAA
9		Keypad Lock
10	188	The number next to the channel represents the CTCSS/DCS code. 00 indicates no CTCSS/DCS.
11	88	Channel Number

Turning the Walkie-Talkie On/Off

Turn the power switch clockwise to turn on the walkie-talkie. To turn it off, turn the power switch counterclockwise until a clicking sound is heard. When turned on, the walkie-talkie emits a power-on alert and displays all icons on the full screen. After startup, the walkie-talkie defaults to walkie-talkie mode, displaying the current channel number and CTCSS/DCS.

Volume Adjustment

Turn the volume control clockwise to increase volume and counterclockwise to decrease volume.
Note: Do not place the walkie-talkie's speaker too close to your ear until the volume is adjusted to an appropriate level to avoid hearing damage.

Button Descriptions

[CALL] Button

Short press: Emit a call tone;

Long press: NOAA.

[MENU] Button

Short press: Enter the menu;

Long press: Lock or unlock the keypad.

[Mon Scan] Button

Short press: Turn scan on or off;

Long press: Open monitor function.

[▲] Button

Short press: Move up in the menu;

Long press: Customizable function (None, Alarm, Group Call, Off-Network, Intelligent Audio).

[▼] Button

Short press: Move down in the menu;

Long press: Customizable function (None, Alarm, Group Call, Off-Network, Intelligent Audio).

[PTT] Button

Dual **[PTT]** buttons for transmission: a small side **[PTT]** button and a front large **[PTT]** button. Also used to save settings (in menu mode).

Keypad Lock

The keypad lock function prevents accidental changes to the walkie-talkie's settings.

1) Long press the **[MENU]** button until a "beep" sound is heard, and the keypad lock icon appears, entering keypad lock mode.

2) Long press the **[MENU]** button until two "beep" sounds are heard, and the keypad lock icon disappears, exiting keypad lock mode.

Note: In keypad lock mode, pressing any button except the **[PTT]** button, lock key, or group call key set by the customizable key will emit a key failure tone.

Menu Settings

Setting the Channel

1) In standby mode, press the **[MENU]** button once. The current channel value flashes.



2) Press the **[▲]** or **[▼]** button to select the desired channel number.

3) Press the **[PTT]** button to save the setting and exit the menu, or press the **[MENU]** button to proceed to the next menu setting.

4) The walkie-talkies must be set to the same channel for communication, ensuring clear and interference-free transmission.

Selecting CTCSS/DCS Codes

CTCSS/DCS codes reduce interference between walkie-talkies. However, walkie-talkies with different CTCSS/DCS codes cannot communicate. Each channel has 0-121 CTCSS/DCS codes. For enhanced privacy, 1-38 analog and 39-121 digital codes are available. "00" indicates CTCSS/DCS is disabled.

1) In standby mode, press the **[MENU]** button twice. The current CTCSS/DCS code setting flashes.



2) Press the **[▲]** or **[▼]** button to select the desired CTCSS/DCS code. Hold the **[▲]** or **[▼]** button to quickly switch codes.

3) Press the **[PTT]** button to save the setting and exit the menu, or press the **[MENU]** button to proceed to the next menu setting.

Setting Call Tones

1) In standby mode, press the **[MENU]** button three times. The current call tone setting interface flashes "CA".



2) Press the **[▲]** or **[▼]** button to select the desired call tone. The walkie-talkie emits the corresponding call tone.

3) Press the **[PTT]** button to save the setting and exit the menu, or press the **[MENU]** button to proceed to the next menu setting.

Note: When the call tone menu setting is "00", the call function is disabled when long-pressing the **[CALL]** button.

VOX Function

When VOX is enabled, you can transmit without pressing the **[PTT]** button by speaking directly into the microphone.

1) In standby mode, press the **[MENU]** button four times. "VOX" appears on the screen. Edit the program to set the VOX sensitivity level.



2) Press the **[▲]** or **[▼]** button to select the sensitivity level (1-9):

9 = High sensitivity

5 = Medium sensitivity

1 = Low sensitivity

0 = OFF

3) Press the **[PTT]** button to save the setting and exit the menu, or press the **[MENU]** button to proceed to the next menu setting.

Selecting "00" disables the VOX function, and the VOX icon disappears.

4) Speak into the microphone to transmit. There is a brief delay between starting to speak and the walkie-talkie transmitting.

5) Stop speaking to enter receive mode.

Setting High/Low Power

1) In standby mode, press the **[MENU]** button five times. "Pr" appears on the screen.



2) Press the **[▲]** or **[▼]** button to select the power level ("LL" for low, "MI" for medium, "HI" for high).

3) Press the **[PTT]** button to save the setting and exit the menu, or press the **[MENU]** button to proceed to the next menu setting.

Scan Function

1) In standby mode, press the **[MENU]** button six times. "Sc" appears on the screen.



2) Press the **[▲]** or **[▼]** button to turn scanning on or off.

3) Press the **[PTT]** button to save the setting and exit the menu.

Note: When the scan menu setting is "OF", the scan function is disabled when pressing the **[Mon Scan]** button. Starting a Scan:

9) Edit the program to set priority channels for scanning. When priority channel scanning is enabled, the priority

channel is scanned after each regular channel.

10) Scan modes include time, carrier, and search:

a.Time: Remain on the current channel for a set time before continuing to scan.

b.Carrier: If no signal is received or transmitted for about 5 seconds after detecting a signal, resume scanning.

c.Search: Exit scanning and remain on the current channel after detecting a search signal.

Roger Beep

1) In standby mode, press the **【MENU】** button seven times. "rb" appears on the screen.



2) Press the **【▲】** or **【▼】** button to turn the function on or off.

3) Press the **【PTT】** button to save the setting and exit the menu, or press the **【MENU】** button to proceed to the next menu setting.

4) When enabled, a tone is emitted after transmission ends.

Incoming Call Vibration

1) In standby mode, press the **【MENU】** button eight times. "UI" appears on the screen.



2) Press the **【▲】** or **【▼】** button to turn the function on or off.

3) Press the **【PTT】** button to save the setting and exit the menu, or press the **【MENU】** button to proceed to the next menu setting.

4) When enabled, the walkie-talkie vibrates to alert of an incoming call in standby mode.

Group Call

1) In standby mode, press the **【MENU】** button nine times. "gs" appears on the screen.



2) Press the **【▲】** or **【▼】** button to turn the function off or select a group call channel.

3) Press the **【PTT】** button to save the setting and exit the menu, or press the **【MENU】** button to proceed to the next menu setting.

4) When enabled, "2CH" appears on the main screen. Initiate a group call by pressing the group call key set by the customizable key.

Key Tone

1) In standby mode, press the **【MENU】** button ten times. "KT" appears on the screen.



- 2) Press the **【▲】** or **【▼】** button to turn the function on or off.
 - 3) Press the **【PTT】** button to save the setting and exit the menu, or press the **【MENU】** button to proceed to the next menu setting.
- When enabled, a "beep" or "double beep" sound is emitted when pressing buttons.

Noise Reduction

- 1) In standby mode, press the **【MENU】** button eleven times. "NR" appears on the screen.



- 2) Press the **【▲】** or **【▼】** button to turn the function on or off.
 - 3) Press the **【PTT】** button to save the setting and exit the menu, or press the **【MENU】** button to proceed to the next menu setting.
- When enabled, background noise is eliminated during transmission, preserving only the human voice for transmission to the receiver.

Backlight Time

- 1) In standby mode, press the **【MENU】** button twelve times. "bL" appears on the screen.



- 2) Press the **【▲】** or **【▼】** button to select the desired time (1-20s, 60s, 120s, Co for constant on).
 - 3) Press the **【PTT】** button to save the setting and exit the menu, or press the **【MENU】** button to proceed to the next menu setting.
- Note: After the set time, the screen automatically turns off to save power. Constantly keeps the screen illuminated.

MIC Gain

- 1) In standby mode, press the **【MENU】** button thirteen times. "MG" appears on the screen.



- 2) Press the **【▲】** or **【▼】** button to select the desired MIC gain level (0-5 to -5).
- 3) Press the **【PTT】** button to save the setting and exit the menu, or press the **【MENU】** button to proceed to the next menu setting.

Factory Reset (RESET)

- 1) In standby mode, press the **【MENU】** button fourteen times. "RS" appears on the screen.



2) Long press for more than 1.5 seconds until a "beep-beep" sound is heard. The walkie-talkie restarts, indicating a successful factory reset.

Off-Network Operation (Effective in Split Frequency Mode)

1) Edit the program settings to set the long press of the **【▲】** or **【▼】** button as the off-network function. Long press to enable off-network operation.

2) Long press the **【▲】** or **【▼】** button again to disable off-network operation.

Note: When enabled, the transmission frequency becomes the same as the reception frequency, allowing direct communication without a repeater. Disabling returns to split frequency mode.

Intelligent Audio

Intelligent audio automatically detects the ambient background noise level and adjusts the speaker volume to ensure optimal communication volume without manual adjustment.

1) Set the volume control to the maximum to adapt to various environments when using intelligent audio.

2) Edit the program settings to set the long press of the **【▲】** or **【▼】** button as the intelligent audio function. Long press to enable intelligent audio.

3) Long press the **【▲】** or **【▼】** button again to disable intelligent audio.

Note: Changes in ambient background noise during reception do not immediately affect transmission. Changes occur after reception is interrupted.

Alarm

1) Edit the program settings to select the alarm mode (remote alarm or local alarm).

2) Edit the program settings to set the long press of the **【▲】** or **【▼】** button as the alarm key. Long press to activate the alarm or siren.

Note: Local alarm activates only on the local walkie-talkie; remote alarm activates on both the receiving and transmitting walkie-talkies.

Channel Hiding

Edit the program settings to enable "Channel Hiding". Only the current channel is displayed, and switching to other channels is not possible. Disable to allow normal channel switching.

CTCSS/DCS Disable

Edit the program settings to enable "CTCSS/DCS Disable". All CTCSS/DCS codes become ineffective, and "OF" is displayed in the CTCSS/DCS position. Disable to restore all original CTCSS/DCS codes.

Power-Saving Mode

The walkie-talkie has a unique function to extend battery life. If there is no transmission or reception for 10 seconds, the walkie-talkie automatically enters power-saving mode. In this mode, the walkie-talkie can still receive information.

Weather Reception

The weather function can be used in the US and Canada as needed.

You can listen to the weather channels (for details, please refer to the "Weather Channels and Frequencies" table).

When listening to weather channels, you cannot use the radio in scan mode or for two-way communication.

Both NOAA and Environment Canada have transmitters spread across the US and Canada. These transmitters broadcast forecasts and other information 24 hours a day.

Entering Weather Mode

In two-way mode, press and hold the **【 CALL】** button for 1 second to enter weather mode.

Setting Weather Channels

To set your radio to receive weather frequencies:

1) In weather mode, briefly press the **【MENU】** button until the weather channel number flashes.

2) Press the **【▲】** or **【▼】** button to select an appropriate channel with good reception in your area.

3) Press and hold the **【 CALL】** button to exit the menu.

Setting Weather Alerts

Your radio can be set to respond to emergency messages from NOAA weather broadcasts. A special alert tone will sound, and the weather receiver will be activated to provide you with immediate weather and emergency information.

- 4) In weather mode, press the **[MENU]** button twice. "ON" or "OF" (should likely be "OFF") will flash.
 - 5) Press the **[▲]** or **[▼]** button to select "ON" or "OFF" to turn the weather alert on or off.
 - 6) Briefly press the **[MENU]** button to exit the weather menu settings.
 - 7) Press and hold the **[CALL]** button to return to two-way mode. If you activate the weather alert and return to two-way mode, the  icon, not specified in original, e.g., a weather alert icon] icon will be displayed.
- Note: After enabling the weather channel, if you receive an alert, press and hold the **[CALL]** button for 1 second, and the weather mode will automatically switch back to two-way mode.

PTT ID

Edit the program settings to enable PTT ID. When enabled, pressing the **[PTT]** button transmits the corresponding ID, accompanied by a confirmation tone.

Note: Transmission modes include start and end options.

Emission Tone

Edit the program settings to enable this function. After pressing the **[PTT]** button, a "beep" sound is heard before speaking.

Headphone Function

- 1) Connect the headphone accessory to the walkie-talkie (walkie-talkie A & B).
- 2) Press the headphone accessory's PTT button on walkie-talkie A, speak into the headphone's microphone, and walkie-talkie B should receive the transmission normally. Repeat the same operation on walkie-talkie B.

TOT Function

If you hold the **[PTT]** button for more than 15-600 seconds during continuous transmission, the walkie-talkie emits a continuous warning tone and automatically stops transmitting.

Companding Function

Edit the program settings to enable this function, which reduces ambient background noise and improves sound quality at the receiving end, enhancing sound fidelity (especially noticeable during long-distance communication). Disable for normal squelch operation.

Note: This function must be enabled on all participating walkie-talkies for effective operation.

One-Key Group Call On/Off

Long press the customizable **[▲]** or **[▼]** button to enable one-touch group call. When enabled, all walkie-talkies, regardless of their current channel, are switched to the group call channel for transmission and reception. The group call channel can be selected in the program settings under optional functions. Recovery time and PTT reply can also be set in the program settings (when PTT reply is enabled, after releasing the PTT button during a group call, walkie-talkies can still communicate by pressing the **[PTT]** button until the recovery time expires). Release the **[▲]** or **[▼]** button to exit one-touch group call.

Wireless Compatibility

1. Transmitter: In the off state, press and hold the side **[▲]** up key while turning on the walkie-talkie for about 3 seconds until the LCD light turns purple. After hearing three "beep" sounds, enter the wireless copy reception mode.
2. Receiver: In the off state, press and hold the side **[▼]** down key while turning on the walkie-talkie for about 3 seconds until the LCD light turns purple. After hearing three "beep" sounds, enter the wireless copy reception mode. Press the **[PTT]** button on the transmitter. The LCD turns red, indicating data transmission. Restart to automatically exit this mode.

The receiver's LCD turns purple and then flashes blue, indicating data reception. After data reception is complete, the walkie-talkie restarts automatically.

Frequency Table

Channel	RX Frequency	TX Frequency	Max Power Output
1	461.11250	461.11250	5W
2	461.13750	461.13750	5W
3	461.16250	461.16250	5W
4	468.56250	468.56250	5W
5	468.61250	468.61250	5W
6	468.66250	468.66250	5W
7	456.33750	456.33750	5W
8	456.43750	456.43750	5W
9	459.60625	459.60625	5W
10	448.19375	448.19375	5W
11	469.36875	469.36875	5W
12	449.31250	449.31250	5W
13	459.12500	459.12500	5W
14	444.55000	444.55000	5W
15	457.17500	457.17500	5W
16	442.87500	442.87500	5W

* Frequency range take different variations according to the type of device you access because a radio designated for business use must comply with local rules,for example in EU member states. If the type is subject to restrictions on putting into service or to requirements for authorisation of use in your local district, your dealer or system administrator may set the operating frequency, and you cannot change the frequency. Check with your dealer or system administrator for more information.

Note:In order to prevent radio interference caused by end-user transmissions on unauthorized frequencies, a user cannot modify channels which have been preset your the manufacturer, equipment supplier, service technician or maintenance personnel.

Weather Channels and Frequencies

Channel	Frequency	Channel	Frequency
WX1	162.550MHz	WX7	162.525MHz
WX2	162.400MHz	WX8	161.650MHz
WX3	162.475MHz	WX9	161.775MHz
WX4	162.425MHz	WX10	161.750MHz
WX5	162.450MHz	WX11	162.000MHz
WX6	162.500MHz		

CTCSS CHART (Hz)									
Number	Frequency	Number	Frequency	Number	Frequency	Number	Frequency	Number	Frequency
1	67.0	2	71.9	3	74.4	4	77.0	5	79.7
6	82.5	7	85.4	8	88.5	9	91.5	10	94.8
11	97.4	12	100.0	13	103.5	14	107.2	15	110.9
16	114.8	17	118.8	18	123.0	19	127.3	20	131.8
21	136.5	22	141.3	23	146.2	24	151.4	25	156.7
26	162.2	27	167.9	28	173.8	29	179.9	30	186.2
31	192.8	32	203.5	33	210.7	34	218.1	35	225.7
36	233.6	37	241.8	38	250.3				

DCS CODE LIST									
Number	DCS-N	Number	DCS-N	Number	DCS-N	Number	DCS-N	Number	DCS-N
39	D023N	40	D025N	41	D026N	42	D031N	43	D032N
44	D043N	45	D047N	46	D051N	47	D054N	48	D065N
49	D071N	50	D072N	51	D073N	52	D074N	53	D114N
54	D115N	55	D116N	56	D125N	57	D131N	58	D132N
59	D134N	60	D143N	61	D152N	62	D155N	63	D156N
64	D162N	65	D165N	66	D172N	67	D174N	68	D205N
69	D223N	70	D226N	71	D243N	72	D244N	73	D245N
74	D251N	75	D261N	76	D263N	77	D265N	78	D271N
79	D306N	80	D311N	81	D315N	82	D331N	83	D343N
84	D346N	85	D351N	86	D364N	87	D365N	88	D371N
89	D411N	90	D412N	91	D413N	92	D423N	93	D431N
94	D432N	95	D445N	96	D464N	97	D465N	98	D466N
99	D503N	100	D506N	101	D516N	102	D532N	103	D546N
104	D565N	105	D606N	106	D612N	107	D624N	108	D627N
109	D631N	110	D632N	111	D654N	112	D662N	113	D664N
114	D703N	115	D712N	116	D723N	117	D731N	118	D732N
119	D734N	120	D743N	121	D754N				

Specifications

General Specifications	
Channels	32
Channel Step Value	12.5KHz
Operating Voltage	DC 7.4V
Operating Temperature	-20°C+50°C
Antenna Impedance	50Ω
Transmission Section	
Frequency Stability	±2.5ppm
Adjacent Channel Power	60dBm@12.5KHz @20KHz
Modulation Method	FM
Transmission Current	≤2600mA
Reception Section	
Analog Reception Sensitivity	0.25uV/-119dBm(20dB SINDA)
Audio Power	≥500mW
Audio Distortion	≤3%
Reception Current	≤410mA

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the local government radio management departments equipment authorization for this radio could violate the rules.

Radio License

Governments keep the radios in classification. Two-way radios are only operated on authorized radio frequencies that are regulated by the local radio management departments (such as FCC, ISED, OFCOM, ANFR, BFTK, Bundesnetzagentur, and so on.). The detailed classification and the use of your two-way radios, please contact the local government radio management departments. Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

FCC compliance information

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. (Licensed radios are applicable)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (Other devices are applicable)

(1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: —Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that all electrical and electronic products, batteries, or accumulators must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws and rules in your area.



RF exposure Safety

This two-way radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. RF energy, which when used improperly, can cause biological damage. Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits: <http://www.who.int/en/> Transmit no more than the rated duty factor 50% of the time. Transmitting necessary information or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance. For users who wish to further reduce their exposure, some effective measures to reduce RF exposure include:

- Reduce the amount of time spent using your wireless device.
- Use a speakerphone, earpiece, headset, or other hands-free accessory to reduce proximity to the head (and thus head exposure).

While wired earpieces may conduct some energy to the head and wireless earpieces also emit a small amount of RF energy, both wired and wireless earpieces remove the greatest source of RF energy (handheld device) from proximity to the head and thus can greatly reduce total exposure to the head.

- Increase the distance between wireless devices and your body.
- This radio is designed for and classified as "Occupational/Controlled Use Only".

Occupational/Controlled environments are defined as locations where there is exposure that may be incurred by

people who are aware of the potential of exposure, for example, as a result of employment or occupation. It means a radio must be used only by individuals aware of the hazards, and the ways to minimize such hazards; Not intended for use in a General population/uncontrolled environment.

• **Hand-held Mode**

To control your exposure and ensure compliance with the controlled environment exposure limits, always adhere to the following procedure:

-To receive calls, release the PTT button.

-To transmit (talk), press the Push-to-Talk (PTT) button in front of the face.

-Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least one inch (2.5 centimeters) away from the nose or lips.



Electromagnetic Interference/Compatibility

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so, such as hospitals or healthcare facilities.

- Persons with pacemakers, implantable cardiovascular defibrillators (ICDs) or other active implantable medical devices should
 - Consult with their physicians regarding the potential risk of interference from radio frequency transmitters, such as portable radios (poorly shielded medical devices may be more susceptible to interference).
 - Turn the radio OFF immediately if there is any reason to suspect that interference is taking place.
 - Do not carry the radio in a chest pocket or near the implantation site, and carry or use the radio on the opposite side of the body from the implantable device to minimize the potential for interference. Hearing Aids: Some digital wireless radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.
 - Other Medical Devices: If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Turn off your radio in the following conditions:

- Turn off your radio prior to entering any area with a potentially hazardous or explosive atmosphere. Only radio types that are especially qualified should be used in such areas as "Intrinsically Safe".

Note: the areas with potentially explosive atmosphere referred to above include blasting caps, blasting areas, inflammable gas, dust particles, metallic powders, grain powders, fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles (such as grain, dust or metal powders) and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often – but not always posted.

Use of Communication Devices While Driving

- Always check the laws and regulations on the use of radios in the areas where you drive. Use of Communication Devices, for example, mobile radio, may not be allowed.
- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call, if driving conditions or regulations so require.
- Do not place a portable radio in the area over an airbag or in the airbag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the airbag inflates.

Protect your hearing

- Use the lowest volume necessary to do your job. Turn up the volume only if you are in noisy surroundings.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear.
- Use carefully with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss. CAUTION: Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.



Batteries Safety

- WARNING: KEEP NEW OR OLD USED BATTERIES OUT OF REACH OF CHILDREN.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice immediately.

- Since batteries are sensitive to high temperatures when storing them, keep them in a cool and dry place. The recommended temperature should be between +10 °C and +25 °C and never exceed +30 °C. Batteries should therefore not be stored next to radiators or boilers nor in direct sunlight. Extremes of humidity (below 35% and above 95% relative humidity for sustained periods) should be avoided since they are detrimental to both batteries and packing. Although the storage life of batteries at room temperature is good, storage is improved at lower temperatures provided special precautions are taken. Also, accelerated warming is harmful.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.
- The battery supply terminals are not to be short-circuit.
- Batteries should be removed from the appliance when not being used for long periods of time (months). The batteries should be enclosed in special protective packaging (such as sealed plastic bags or variants) which should be retained to protect them from condensation during the time they are warming to ambient temperature.
- Do not dismantle, open or shred batteries. Batteries should be dismantled only by trained people.
- Disposal of a battery into fire, or a hot oven, or mechanically crushing or cutting of a battery, that can result in explosion;
- Batteries shall be charged at 10°C~40°C environment temperature specified. If the environment temperature is lower than 0°C, the charge shall be prohibited.
- Do not use the charger outdoors or in moist environments, use only in dry locations/conditions. The plug of adapter is considered as disconnect device. The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Eliminating the Risk, keep away from the flammable materials, heat sources and ignition sources while a battery is charged. Charging should only take place in a well ventilated area and when someone is about to be aware and react to a potential issue. To reduce risk of fire, a battery should not be charged for more than 8 hours and disconnect charger from line voltage (AC outlet) by removing main plug even if the battery is not completely charged. Don't leave a device unattended while charging. Disconnect the charger when the device is fully charged: do not overcharge the device.

Authorized Accessories List

- Contact Retevis for assistance regarding repairs and service
- For a list of Retevis-approved accessories for your radio model, visit the website: <http://www.Retevis.com>

Guarantee

Model Number: _____

Serial Number: _____

Purchasing Date: _____

Dealer: _____ Telephone: _____

User's Name: _____ Telephone: _____

Country: _____ Address: _____

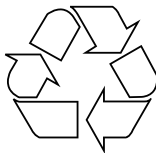
Post Code: _____ Email: _____

Remarks:

- 1.This guarantee card should be kept by the user, no replacement if lost.
- 2.Most new products carry a two-year manufacturer's warranty from the date of purchase. Further details, pls read <http://www.retevis.com/after-sale/>
- 3.The user can get warranty and after-sales service as below:
 - Contact the seller where you buy.
 - Products Repaired by Our Local Repair Center
- 4.For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

Exclusions from Warranty Coverage:

- 1.To any product damaged by accident.
- 2.In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
- 3.If the serial number has been altered, defaced, or removed.



Points de collecte sur www.quefairedesdechets.fr
Privilégiez la réparation ou le don de votre appareil !



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