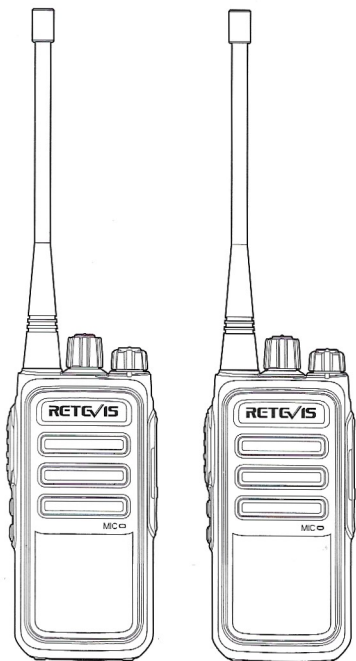


RETG/IS



US

RT66

Two Way Radio

User's Manual

Thank you!

We are grateful that you chose our two way radio.

We believe this Two Way Radio will provide dependable and reliable communication to personal operating at peak efficiency.

The transceivers incorporate the latest in advanced technology.

As a result, We feel strongly that you will be pleased with the quality and features of this product!

Product safety and RF Exposure for Two Way Radio:



Before using this Two way radio, please read the manual which contains important operating instructions for safe usage, RF Energy Awareness, control information and operational instructions for compliance with RF Energy Exposure limits in applicable national and international standards, and also read the operational instructions for safe use.

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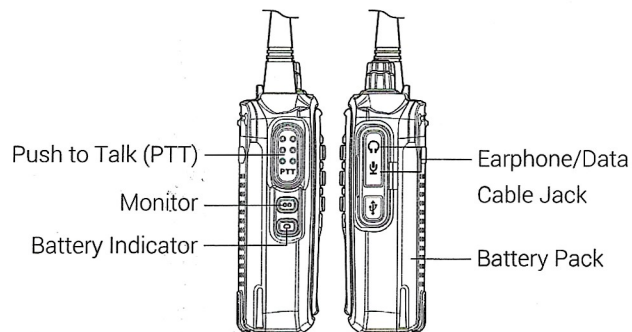
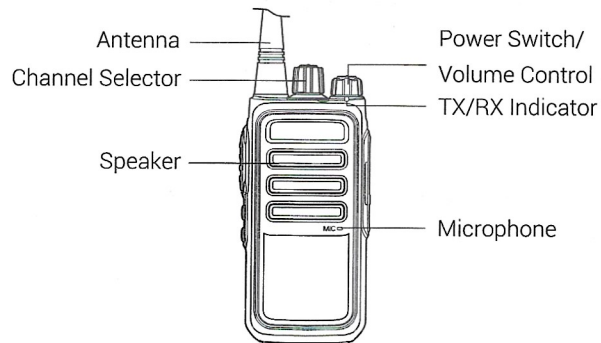
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GETTING ACQUAINTED



UNPACKING AND CHECKING EQUIPMENT

Carefully unpack the transceiver. We recommend that you identify the items listed in the following table before discarding the packing material. If any items are missing or have been damaged during shipment, file a claim with the carrier immediately.

Packing List

DESCRIPTION	QUANTITY
Unit Transceiver	2
Battery Pack	2
Desktop Charger	2
Belt Clip	2
Hand Strap	2
User Manual	1

PREPARATION

Li-ion Battery Pack Precautions

- Do not short the battery terminals or dispose of the battery by fire. Never attempt to remove the casing from the battery pack.
- Keep the charging temperature always between 5°C and 40°C.
- Do not use the transceiver while charging the battery pack. We recommend you switch the transceiver power OFF while charging is taking place.
- Do not recharge the battery pack if it is already fully charged. Doing so may cause the life of the battery pack to shorten or the battery pack may be damaged.
- Use the battery pack only for its intended purpose. Never use any charger or battery pack that is damaged.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. This might happen, for example, when you carry a spare battery pack in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Charging the Battery Pack

The battery pack is not charged at the factory, please charge it before use. Initially charging the battery pack after purchase or extended storage (greater than 2 months) will not bring the battery pack to its normal operating capacity. After two or three complete charge and discharge cycles. The full performance of battery will be achieved.

1. Slide the battery pack or transceiver with a battery pack into the desktop charger.
2. Make sure the battery pack contacts are in contact with the charging terminals.
3. The charging LED lights red and charging begins.
4. After charging about 4 hours, when the light turns to green, it means the battery pack is fully charged.
5. Then you can take off the battery pack or transceiver with the battery pack and use it.

Switch Power On/Off

1. Turn On: turn the [Power] switch clockwise to switch the transceiver ON, an alert tone will be heard.
2. Turn Off: turn the [Power] switch counter clockwise to switch the transceiver OFF.

Adjusting the Volume

Rotate the [Volume] control to adjust the volume. Clockwise increases the volume and counter clockwise decreases it.

Selecting a Channel

Rotate the [Channel Selector] to choose your desired channel. Clockwise increases the number and counter clockwise decreases it. If the channel number annunciation is activated, the radio will announce the current corresponding channel number. If none channel has been programmed, it cannot be used. When a non-programmed channel is selected, the LED indicator lights orange and an alert tone sounds.

Transmitting & Receiving

1. Press the [PTT] switch and speak into the microphone in your normal speaking voice, for best sound quality at the receiving station, hold the microphone approximately 1~2 inches (2.5~5 cm) from your mouth.
2. Release the [PTT] switch to receive.

CARE AND CLEANING

To guarantee optimal performance as well as a long service life of your radio, please follow the tips below.

- Keep your radio dry. Rain, moisture and liquid or water may contain mineral substance that can corrode the electronic circuit.
- Take out the battery when the radio is wet, install the battery pack when it is completely dry.
- Keep away the radio from hot place. High temperature may cause electrical instrument working life shorten, battery pack damaged and plastic component deformation or dissolved.
- Do not throw, knock or shock the radio. Use it rudely may damage internal circuit board and accurate structure.
- Do not use any strong chemicals, cleaner or detergent to clean the radio.
- Do not paint the radio. Painting may block the demountable component to influence normal operation.
- Do not hold the radio by its antenna or headset cable directly.
- Use supplied or approved antenna when change antenna. Unapproved antenna, modified accessories may damage the radio and violate the relevant rules.
- Attach the accessory jack cover when the radio is not in use.
- Make a back-up copy (like frequencies and channels.) before you take your radio to service center.

Note : Every tip above are all applicable for your radio, battery pack, desktop charger and accessories. Consult your dealer or take your radio to nearest service center if any parts cannot work normally.

TROUBLESHOOTING GUIDE

PROBLEM	SOLUTION
No power.	<ul style="list-style-type: none"> • The battery pack may be dead. Recharge or replace the battery pack. • The battery pack may not be installed correctly. Remove the battery pack and install it again.
Battery power dies shortly after charging.	<ul style="list-style-type: none"> • The battery pack life is finished. Replace the battery pack with a new one.
Cannot talk to or hear other members in your group.	<ul style="list-style-type: none"> • Make sure you are using the same frequency and CTCSS/DCS as the other members in your group. • Other group members may be too far away. Make sure you are within range of the other transceivers.
Other voices (besides group members) are present on the channel.	<ul style="list-style-type: none"> • Change the CTCSS/DCS setting. Be sure to change the tone on all transceiver in your group.

CTCSS/DCS

CHANNEL AND FREQUENCIES

CTCSS Standard Frequency Table

1 - 67.0	11 - 94.8	21 - 131.8	31 - 171.3	41 - 203.5
2 - 69.3	12 - 97.4	22 - 136.5	32 - 173.8	42 - 206.5
3 - 71.9	13 - 100.0	23 - 141.3	33 - 177.3	43 - 210.7
4 - 74.4	14 - 103.5	24 - 146.2	34 - 179.9	44 - 218.1
5 - 77.0	15 - 107.2	25 - 151.4	35 - 183.5	45 - 225.7
6 - 79.7	16 - 110.9	26 - 156.7	36 - 186.2	46 - 229.1
7 - 82.5	17 - 114.8	27 - 159.8	37 - 189.9	47 - 233.6
8 - 85.4	18 - 118.8	28 - 162.2	38 - 192.8	48 - 241.8
9 - 88.5	19 - 123.0	29 - 165.5	39 - 196.6	49 - 250.3
10 - 91.5	20 - 127.3	30 - 167.9	40 - 199.5	50 - 254.1

DCS Standard Group Number

023	071	143	225	266	356	452	532	664
025	072	145	226	271	364	454	546	703
026	073	152	243	274	365	455	565	712
031	074	155	244	306	371	462	606	723
032	114	156	245	311	411	464	612	731
036	115	162	246	315	412	465	624	732
043	116	165	251	325	413	466	627	734
047	122	172	252	331	423	503	631	743
051	125	174	255	332	431	506	632	754
053	131	205	261	343	432	516	645	
054	132	212	263	346	445	523	654	
065	134	223	265	351	446	526	662	

CHANNEL	FREQUENCY	CTCSS/DCS	POWER
1	462.5625	67.0	High
2	462.5875	118.8	High
3	462.6125	127.3	High
4	462.6375	131.8	High
5	462.6625	136.5	High
6	462.6250	127.3	High
7	462.7250	136.5	High
8	462.6875	141.3	High
9	462.7125	146.2	High
10	462.5500	123.0	High
11	462.5750	D7431	High
12	462.6000	D3321	High
13	462.6500	D2431	High
14	462.6750	D606N	High
15	462.7000	D7311	High
16	462.7250	D4621	High