

Make certain you receive the best performance from your TWO - WAY RADIO. Read this Owner's Manual first.

TWO - WAY RADIO

MODEL 1076
OWNER'S MANUAL
INSTALLATION AND
OPERATING INSTRUCTIONS

PLEASE READ THIS OWNER'S MANUAL CAREFULLY BEFORE USE. KEEP FOR YOUR REFERENCE.



FOR "GETTING STARTED" INFORMATION,
PLEASE SEE INSTALLATION INSTRUCTIONS ON PAGE 8 OR TOUR
SEPARATE QUICK START GUIDE.
©2000 BellSouth Corporation

Made in Korea

P/N.: 8M-0025-00

WARRANTY

The Radio received damaged as a result of shipping will require you to file a claim with the carrier to cover repair costs. The Radio received with missing parts or with damage due to abuse, inadequate packing or some other noncompliance with this limited warranty will be returned C.O.D. freight collect.

NOTE: The Radio received which was not made for BellSouth Products or which is not defective as determined by our test procedures will not be repaired and will be returned to you C.O.D. freight collect.

To Obtain Warranty Service

- * Provide proof of the date of purchase within the package.
- * Prepay all shipping costs to the authorized service center.
- * Include a return shipping address within the package.

Please retain your sales receipt, the carton, the packing materials, and the printed material. The original carton is the best shipping container for the Radio unit should you have to return it.

For your reference:

Model Number _____

Date of Purchase _____

Name of Dealer _____

WOOIL TELCOM CO., LTD.

FCC ID : OIZ1076

JOB # : 198ZK0

EXHIBIT # : *6A*

NOTE: The maximum transmission range will vary depending on terrain and environment. Range will be greater in open fields, while range is shorter within and around buildings or large structures.

WARRANTY

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Warranty Service Not Provided

This warranty does not cover damage resulting from accident, misuse, abuse, improper installation or operation, lack of reasonable care, unauthorized modification or the affixing of any attachment not provided by BellSouth Products with the Radio, and/or loss or parts. This warranty the Radio. All BellSouth equipment being returned for repair must be suitably packaged. BellSouth Products does not warranty that this equipment is compatible with the type of accessory of any particular communicator company or the services provided by it.

What To Do for Warranty Service

During the first thirty (30) days, a defective product is eligible for over-the-counter exchange at the retailer from whom it was purchased. After (30) days. The shipping address of the authorized service center is:

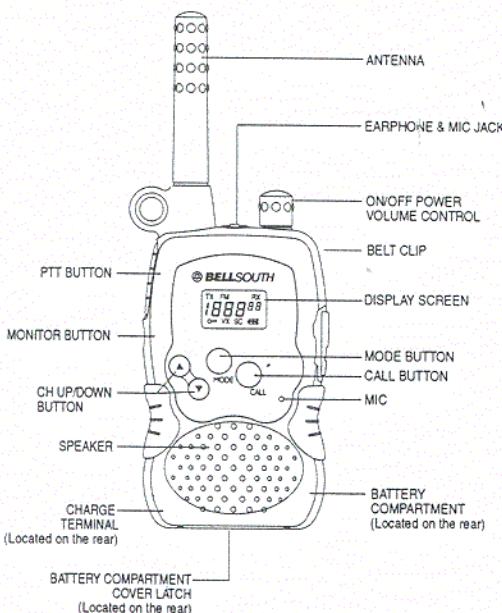
US Electronics CONSUMER CENTER
C/O Southern Bonded Warehouse
1491 Mt. Zion Rd.
Morrow, GA 30260

Your Radio will be repaired or replaced if examination by the service center determines the Radio is defective.

Customer Service Telephone Number.
1-800-864-2199

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SPECIAL FEATURES



WARRANTY

BellSouth Products

One-Year Limited Warranty

This limited warranty sets forth all BellSouth Products responsibilities regarding your Radio. There are no other expressed or implied warranties from BellSouth Products.

Warranty Service Provided

If you purchased the Radio new from a retail vendor, BellSouth Products warrants the Radio against defects in material and workmanship for a period one (1) year from the original date of purchase.

This warranty is in lieu of all other expressed warranties. This warranty begins when you purchase the Radio and continues for (1) one year unless you sell or rent the Radio, in which case the warranty stops.

BellSouth Products disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose, as of the date of one year from your original purchase of the Radio. BellSouth Products assumes no responsibility for any special, incidental, or consequential damages.

This warranty gives you specific legal rights and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitations of special, incidental or consequential damages or limitations on how long a warranty lasts, so the above exclusion or limitation may not apply to you.

WOOIL TELCOM CO., LTD.

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SPECIFICATIONS

SPECIAL FEATURES

SUB-CHANNEL TABLE

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

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CARE AND SAFETY

CAUTION

Damaged Antennas

Do not use any Radio that has a damaged ANTENNA. If a damaged ANTENNA comes in contact with the skin, a minor burn may result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if conductive material such as jewelry, keys or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery particularly when placing it inside a pocket, purse or other container with metal objects.

WARNING

For Vehicles with an Air Bag

Do not place your Radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a Radio is placed in the air bag deployment area and the air bag inflates, the Radio may be propelled with great force and cause serious injury to the occupants of the vehicle.

Potentially Explosive Atmospheres

Turn your Radio OFF when in any area with a potentially explosive atmosphere, unless it is a type especially qualified for such use (for example, Factory Mutual Approved). Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Batteries

Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn your Radio OFF near electrical blasting caps or in a 'blasting' area or in areas posted: Turn off two-way radio*. Obey all signs and instructions.

NOTE: Areas with potentially explosive atmospheres are often, but not always, clearly marked. They include fueling areas such as below deck 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.

ANTENNA

Display SCREEN - Display current channel selection and other radio status symbols.

CALL BUTTON - Press to transmit CALL Tones.

UP **▲** / DOWN **▼** BUTTONS - Press to change channels and select FEATURE in every editing mode.

MIC - MICROPHONE

MONITOR **[M] BUTTON** - Press to tune in and hold onto weak signals.

SPEAKER

BATTERY COMPARTMENT - Houses four(4) "AAA" ALKALINE or Ni-MH Batteries.

BATTERY COMPARTMENT COVER LATCH - Secures BATTERY COVER.

MODE BUTTON - Allows you to shift into FEATURE editing mode.

PTT (PUSH TO TALK) BUTTON - Press to transmit.

ON/OFF VOLUME CONTROL - Rotated VOLUME KNOB to turn your Radio ON/OFF and adjust the volume level

EARPHONE & MIC JACK

CHARGE TERMINAL

CHARGE JACK

BELT CLIP

SPECIFICATIONS

Channel Available	14 Channels
CTCSS Sub-channel	38 for each channel
Out Power (TX)	0.5W (FCC Maximum)
Battery Life	21 hours (typical)
Range	About 2 Miles

CHANNEL TABLE

CHANNEL NUMBER	FREQUENCY (MHz)
1	462.5625 MHz
2	462.5875 MHz
3	462.6125 MHz
4	462.6375 MHz
5	462.6625 MHz
6	462.6875 MHz
7	462.7125 MHz
8	467.5625 MHz
9	467.5875 MHz
10	467.6125 MHz
11	467.6375 MHz
12	467.6625 MHz
13	467.6875 MHz
14	467.7125 MHz

TROUBLESHOOTING

CARE AND SAFETY

SYMPTOM	SOLUTION
No power.	<ul style="list-style-type: none"> Check batteries. Ensure that the batteries are installed properly. The batteries may be weak. Replace old batteries with four(4) new "AAA" alkaline or Ni-MH batteries.
Reception is weak	<ul style="list-style-type: none"> Rotate the ON/OFF VOLUME KNOB in a clockwise direction to increase VOLUME. The receiving signal may be weak and/or out of range. If this happens, press the MONITOR [M] button.
Cannot change channels.	<ul style="list-style-type: none"> To change CTCSS Sub-Channels, press the mode button until the CTCSS Sub-Channels number flashes on the Display Screen Press the Up [▲] or Down [▼] buttons to change CTCSS Sub-Channels.
Range is limited	<ul style="list-style-type: none"> Batteries may be weak. Replace with new batteries if the battery charge level is low. The maximum range vary depending on terrain and environment. Open fields provide the maximum range, while steel/concrete structures, heavy foliage and use in building and in vehicles may limit the range significantly. Wearing the radio close to the body, such as in a pocket or on a belt, will decrease range; change the location of the radio.
Sound distortion problems.	<ul style="list-style-type: none"> If you are transmitting, speak in a normal tone of voice, 2 to 3 inches away from the microphone. If you are receiving, lower the volume to a comfortable level. Radio is too close. Radio must be at least 5 feet apart; increase your distance. Radio is too far apart. Obstacles interfere with transmission. Talk ranges is up to 2 miles in clear unobstructed conditions.

CARE and SAFETY

To clean the Radio, wipe with a soft cloth dampened with water. Don't use cleaners or solvents on the Radio; they can harm the case and leak inside, causing permanent damage. Battery contacts may be wiped with a dry, lint-free cloth.

If the Radio gets wet, turn it off and remove the batteries immediately. Dry the battery compartment with a soft cloth to minimize potential water damage. Leave cover off the battery compartment overnight or until completely dry. Do not use the radio until completely dry.

Exposure to Radio Frequency Energy

The design of your Radio, which generates radio frequency (RF) electromagnetic energy (EME), complies with following national and international standards and guidelines.

The Relevant Guidelines and Standards Are:

- FCC Report and Order FCC 96-326 (August, 1996)
- American National Standards Institute (C95-1992)
- National Council on Radiation Protection and Measurements (NCRP-1986)
- International Commission on Non-Ionizing Radiation Protection (ICNRP-1986)

To ensure optional Radio performance and to ensure that exposure to RF energy is within the guidelines in the above standards, the following operating procedures should be observed:

FOR PORTABLE TWO-WAY COMMUNICATORS

- When transmitting with a Radio, hold the Radio in a vertical position with its microphone 1 to 2 inches (2.5 to 5.0 cm) away from your mouth. Keep the antenna at least 1 inch (2.5 cm) from your head and body. If you wear a Radio on your body, ensure that the antenna
- is at least one inch (2.5 cm) from your body when transmitting.

ELECTROMAGNETIC INTERFERENCE/COMPATIBILITY

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

Turn your Radio OFF in any facilities where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Turn your Radio OFF when on board an aircraft when instructed to do so. Any use of the Radio must be in accordance with regulations or crew instructions.

WOOL TELCOM CO., LTD.

FCC ID : OIZ1076

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FCC NOTICE

The FCC requires that you be advised of certain requirements involving the use of this device. This equipment has been tested and found to comply with the limits for a Class B device, pursuant to Part 15 of FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in residential installation. This device uses and can generate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that the 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 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 to an outlet on a circuit different from that which the receiver is connected.
- Consult the manufacturer for technical assistance.

FCC INFORMATION: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Privacy of communications may not be ensured when using this equipment.

FCC WARNING: This equipment generates or uses radio frequency energy. Changes or modifications not expressly approved in writing may cause harmful interference and void the user's authority to operate this equipment.

OPERATION

- To turn off the VOX feature, select **OF(F)**.
- In the VOX Feature, the VOX icon will be displayed.
- To confirm your selection and return to the standby mode, press the **[PTT]** button.
- To confirm and shift to the next option, press the **[MODE]** button.

CALL TONES SELECTION

- Press the **[MODE]** until the CALL icon flashes.
- Press the Up **[▲]** / Down **[▼]** buttons while the CALL icon is blinking on the DISPLAY SCREEN. According to the number of rings on the CALL icon, your radio will sound one of three different call melodies.
- To confirm your selection and return to the standby mode, press the **[PTT]** button.
- To confirm and shift to the next option, press the **[MODE]** button.

CHANNEL SCAN

CHANNEL SCAN performs searches for busy signals in an endless loop from 1 to 14 or from 14 to 1.

- In STANDBY mode, press the **[MODE]** button for 2 seconds to activate CHANNEL SCAN. This feature allows you to scan for a busy channel and communicate with the transmitting party.
- In using the SCAN feature, the SCAN icon blinks. Press the **[PTT]** or the **[MODE]** button to stop the SCAN Feature and return to the prior Channel.
- The unit will begin scanning for busy main channel and CTCSS sub-channel. If active channel is detected, the RX icon will appear and the scanned main/ CTCSS channel number will be displayed on the DISPLAY SCREEN.
- If there is no transmission for over 5 seconds from the busy scanned channel, the Radio will continue to search for another busy channel.
- When receiving a transmission, you can restart the scan feature by pressing the Up **[▲]** / Down **[▼]** buttons.

OPERATION

Changing CTCSS SUB - CHANNELS

The Radio has 38 available CTCSS sub-channels. To change channels;

1. Press the **(MODE)** button until the CTCSS feature mode is displayed
2. While the channel number is flashing;
 - Press the Up **▲** button to move to a higher sub-channel.
 - Press the Down **▼** button to move to a lower sub-channel.
 - The sub-channel changes from OF(0) to 38, or from 38 to OF(0).
3. Press the **(PTT)** button to confirm your selection and return to the STANDBY mode. Press the **(MODE)** button to shift to the next option.

NOTE: To communicate with other FRS units, both units must be switched to the same channel and CTCSS sub-channel.

LOCK FEATURE

1. Press the **(MODE)** button until the LOCK feature icon is displayed on the DISPLAY SCREEN and the lock feature icon will be blinking on the DISPLAY SCREEN.
2. Press the Up **▲** / Down **▼** while the Display Screen is displaying ON/OF(F) and then the LOCK feature icon will be blinking on the Display Screen.
3. If you select OF(F), the Radio will be in the UNLOCK mode.
4. If you select ON, the Radio will be in the LOCK feature. (Main channels, VOX sense selection, CALL, Melody selection etc are not accessible.) And the LOCK key icon will be displayed on the DISPLAY SCREEN etc. 5. To confirm your selection and return to the STANDBY mode, press the **(PTT)** button.

VOX SELECTION

1. Press the **(MODE)** button until the VOX feature mode icon flashes, and the VOX icon blinking on the DISPLAY SCREEN.
2. Press the Up **▲** / Down **▼** buttons while the Display Screen is displaying ON/OF(F) and the VOX icon will be blinking.

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GETTING STARTED

WARNING

DO NOT CHARGE THIS RADIO USING AN AC/DC ADAPTER WITH REGULAR "AAA" ALKALINE BATTERIES INSTALLED. ONLY USE THE AC/DC ADAPTER WITH "AAA" NI-MH RECHARGEABLE BATTERIES.

BATTERY INSTALLATION

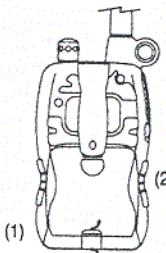


Figure 1

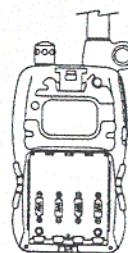


Figure 2

1. Release the BATTERY COMPARTMENT COVER LATCH located on the rear side of the Radio
- (1) and remove the BATTERY COMPARTMENT COVER from the BATTERY COMPARTMENT.
- (2) See Figure 1.
2. Install (4) "AAA" Alkaline Batteries (not included) following the polarities as shown in Figure 2.
3. Reinstall the BATTERY COMPARTMENT COVER and lock the BATTERY COMPARTMENT COVER LATCH into position.

The Radio has a built in POWER SAVER feature for maximum battery life. But when the Radio is not being used, conserve battery power by rotating the ON/OFF VOLUME KNOB to OFF. Remove the batteries if the Radio will not be used for a long period of time.

GETTING STARTED

Removing the Belt Clip

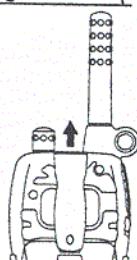


Figure 3

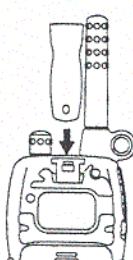


Figure 4

1. Pull the BELT CLIP LATCH away from the Radio.
2. While pulling the BELT CLIP LATCH, push up on the BELT CLIP to remove it from the Radio, as shown in Figure 3.

Installing the Belt Clip

1. Slide the BELT CLIP into the BELT CLIP SLOT as shown in Figure 4.
2. A "click" indicates the BELT CLIP is locked in to position.

Connecting the Adaptor

To charge the Radio with "AAA" Ni-MH rechargeable battery pack, insert the round connector of the AC/DC Adaptor into the jack on side of the radio.

Accessory Connection

The Radio is designed to be used with accessories (Headphone, microphone, etc.)

OPERATION

Selecting Channels

There are 14 channels available for communication. Each channel has a specific frequency. Refer to the channel table in the specifications. Use the Up **▲** or Down **▼** buttons to select the channels in the FRS feature.

Monitor button

You can use the Monitor feature to check for weak signals in the current channel.

Pressing and Holding Monitor button for 2 seconds will activate the receive circuits on the indicated channel. This feature defeats the Display Screen feature which acts as receive filter to avoid interference. Releasing the Monitor button will deactivate the monitor feature.

Mode button

Pressing and Releasing the **(MODE)** button controls Display Screen setting, Keypad Lock, Auto-Scan, VOX on/off, FM radio feature. Each tap of the Mode button advanced the feature of the radio: Channel Setting → Display Screen setting → Keypad Lock → VOX on/off FM radio.

* In the FRS feature

To turn the volume Up(Down), turn the volume knob in an clockwise (counter-clockwise) direction.

To start the Auto-Scan, press the **(MODE)** button for 2 seconds. To select or change the feature in the current feature, just press the Up **▼** or Down **▲** buttons.

* Listening to the FM Radio

Press the mode shorty button until the FM Radio frequency is displayed to access the FM Radio feature.

Once accessed, press the Up or Down buttons to listen to the FM Radio sound.

Once accessed, press the PTT button to access to the FRS feature.

* Receiving the signal in the FM Radio feature.

If there is a signal during listening to the radio, the radio will be reverted to the FRS feature. But if there is not any signal within 5 seconds, the radio will be reverted to the radio feature.

Note : If you want to listen to the radio only, set up the Keypad Lock on.

GETTING STARTED

Listening to the radio

Press the Mode button for 2 seconds to access the Radio feature.
Once selected, press the Mode button for 2 seconds to access the FRS feature.

FM RADIO

YOU CAN LISTEN TO THE RADIO BY EARPHONE AND EXTERNAL SPEAKER.
YOU CANNOT TRANSMIT A SIGNAL WHILE YOU LISTENING TO THE RADIO
USING BY EARPHONE. SO IF YOU PRESS THE PTT BUTTON DURING
LISTENING TO THE RADIO, THERE WILL BE A BEEP SOUND.

To access the FM Radio feature:

1. Press the mode shortly button until the FM Radio frequency is displayed.
2. Once the FM Radio feature accessed, the letter of "FM" will be displaying.

To listen to the FM Radio sound:

Press the Up or Down buttons while the letter of "FM" is displaying.

Note : If you do not press the Up or Down buttons within 5 seconds after flashing the letter of "FM", the Radio will be reverted to the FRS feature automatically.

To turn the FM Radio volume up or down : Press the Up or Down buttons.

To access the channel selecting feature:

1. Press the MODE button for 2 seconds.
2. Once channel selecting feature is accessed, the FM Radio frequency will be flashing.
3. Press the Up or Down buttons to select the channels.

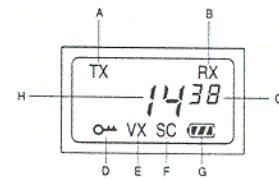
To start seeking the FM Radio frequency:

1. Press the Mode button for 2 seconds
2. And then the Radio will start seeking the FM Radio frequency automatically.

To return to the FRS feature: Press the PTT button.

GETTING STARTED

DISPLAY SCREEN (IN THE FRS FEATURE)



A. TX - Displays the TX status.

B. RX - Displays the RX status.

C. 14.38 - CTCSS code. Changes from 1 to 38 as selected by user.

D. Lock - Displays when the lock feature is activated.

E. VOX - Displays during the VOX feature.

F. Scan - Displays during the channel SCAN feature.

G. Battery Level - Displays the current Battery Level change.

H. 14 - FRS Channel. Changes from 1 to 14 as selected by user.

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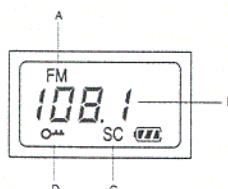
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GETTING STARTED

DISPLAY SCREEN (IN THE FM(AM) RADIO FEATURE)



A. FM - Displays FM band feature.

B. 108.1 - Radio frequency, changes from 89.5 to 108.1 as selected by user.

C. SC - Displays during seeking the radio frequency.

D. Lock - Displays when fixed by the Radio band feature.

GETTING STARTED

Turning the Unit ON

Rotate the ON/OFF VOLUME Knob in a clockwise direction.
The radio will "beep" and the DISPLAY SCREEN will briefly display a SELF-TEST-SCREEN.

NOTE: To reset your COMMUNICATION, turn it on while depressing the UP button.

Turning the Unit OFF

Rotate the ON/OFF VOLUME Knob in a counter-clockwise direction. The DISPLAY SCREEN will turn black.

Adjust Speaker Volume

- Rotate the ON/OFF VOLUME Knob in a clockwise direction to increase the SPEAKER volume.
- Rotate the ON/OFF VOLUME Knob in a counter-clockwise direction to decrease the SPEAKER volume.
- Press and hold MONITOR button to confirm your SPEAKER volume.

Receiving a signal

The radio is continuously in the Receive feature when the radio is ON.
When you receive a signal on the current channel, the RX icon is displayed. Refer to the display screen for more details.

Transmitting a signal

1. Check the channel activity by pressing button. Don't transmit if someone is on the channel. Pressing and Holding the button to transmit, and then TX icon will be flashing on the display. Hold the radio in a vertical position with the microphone 2 to 3 inches from the mouth.
2. Speak into the radio with a normal tone while holding the button.
3. When you have the transmitting finished, release the button.

Note: In order to communicate with other people, you should have the same channel they are ON currently. Refer to the Channel Table.