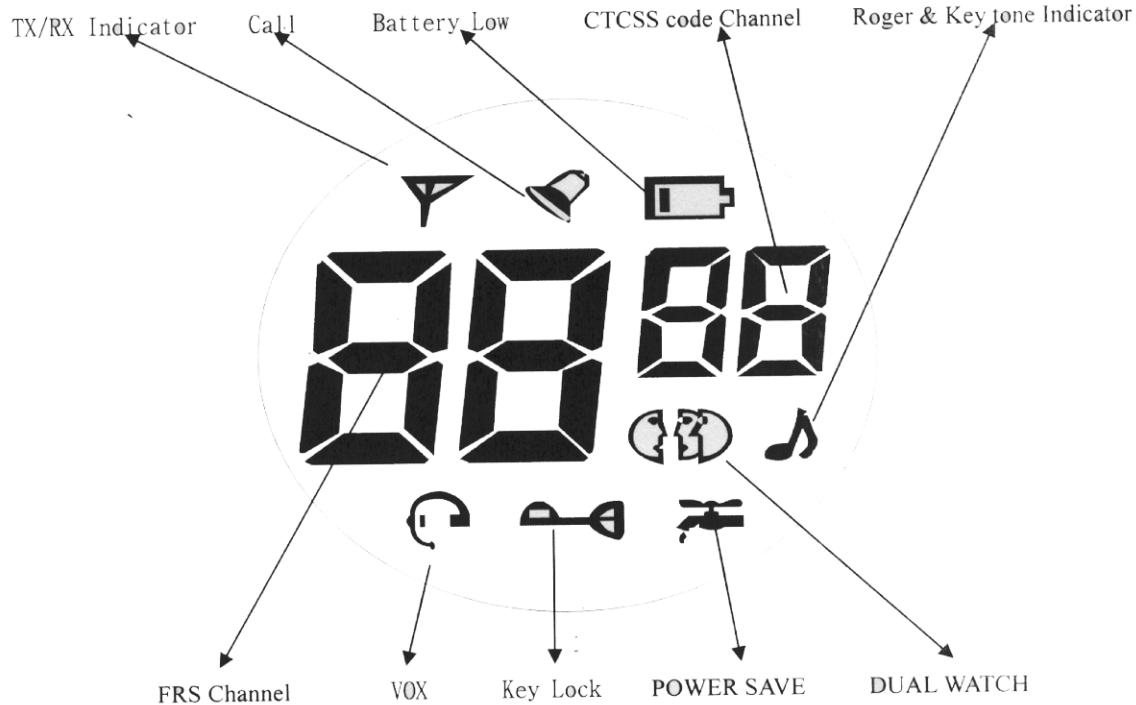


## 2. OPERATION MANUAL

## Function & Operation manual



### Power button

Pressing the power button for 2 seconds will activate the unit. The speaker will sound a beep tone to confirm the transceiver's activation. In addition, the transceiver will perform a 1-second power-on self-test, whereby the LCD display will show all functional items, including a test of both the 2-digit channel display and the CTCSS channel display. To turn the unit off, simply press and hold the power button for 2 seconds. The unit will confirm its shutdown with a single beep tone.

### Volume level control

Audio reception volume is controlled by the Up(+) or the Down(-) button.

Momentarily pressing either button will raise or lower the volume level in steps as shown by  $UO^{L1}$  through  $UO^{L7}$  on the display. Pressing and holding either button will adjust rapidly.

### Channel selection

Press the Up( $\blacktriangle$ ) or the Down( $\blacktriangledown$ ) buttons to select desired channel (1-14). Press the "VOX/M" button again to confirm and fix channel selection.

### Channel Scanning

Press "MODE" button repeatedly until "SC  $^{AN}$ " blinks.

Press the Up(+) or the Down(-) button until icon is fixed. Channel scanning will be done after function operation is terminated. If there is any carrier signal, scanning will be stopped for a 5-seconds. And then scanning will be start again. When "PTT" button is pressed, scanning will be stopped for a 15- seconds. And then scanning will be start again.

If you want to terminate channel scanning, press "MODE" button.

### **Key tone/Roger Beep Selection**

Press “MODE” button repeatedly until “” icon blinks.

Press the Up(+) or the Down(-) button to select a “On”. This function will be started to operate after function operation is finished.

If then, key tone will be rung whenever any buttons are pressed except “VOX/M” and “PTT”.

And, Roger beep is a tone which is automatically transmitted whenever the PTT button is released. This tone alerts the receiving party that the transmission has been terminated intentionally.

If you don’t want key tone, press “MODE” button repeatedly until “” icon blinks.

Press the Up(+) or the Down(-) button to select a “oF”. Icon will be disappeared. After function operation is finished, key tone and roger beep will not be rung.

### **VOX Selection(One touch operation)**

Press “VOX/M” button, and “” icon is appeared.

This function will be started to operate after function operation is finished.

If you want to cancel this function, press “VOX/M” button again. Icon is disappeared.

After function operation is finished, Vox operation will be terminated.

### **CTCSS code selection**

Press “MODE” button repeatedly until “” icon blinks.

Press the Up(▲) or the Down(▼) button to selected CTCSS Channel.

If you want to fix the selected channel, press “MODE” button, “Call” button again.

If you want to cancel this function, press “MODE” button repeated until CTCSS channel icon blinks.

Press the Up(▲) or the Down(▼) to select CTCSS code channel 00 : and press “Call” button again.

### **Key Lock**

This function provides the wrong - operation. Under locking, only power On-Off & PTT operations are permitted.

Press the “MODE” button for a 2 seconds until “” icon blinks.

If you want to cancel this function, Press “Function” button again for a 2 seconds until “” icon is to be disappeared.

### **Power Save**

It is always fixed whenever power saving is done.

### **TX indicator**

If PTT button is pressed, “” icon will be appeared while transmitting.

If CTCSS code channel is set, tone signal of CTCSS code channel is transmitted with voice.

### **Call indicator**

If Call button is pressed, “Call” icon will be appeared while transmitting. The Call sound is heard only by the receiver. It has the current consumption decreasing effect.

If CTCSS code channel is set, tone signal of CTCSS code channel is transmitted with call tone.

### **RX indicator**

If there is any carrier signal during stand-by, “” icon blinks.

### **Low battery alert**

If the battery voltage is low, “  ” icon will be appeared with beep sound to warn the user that the batteries must be replaced.

### **Monitor operation**

You can monitor a channel by the button “VOX/M” over 1 second.

By pressing the button ”VOX/M” over 3 second, the monitoring will be continued.

While you monitor channels, pushing the “VOX/M” button one more will terminate this function.

### **Dual Watch**

This feature allows you to monitor two channels at the same time. While in dual watch mode, the unit will continuously monitor both the primary and dual watch channel. Received signals will be played for 5 seconds, then the unit will resume scanning the two channels. Pressing the PTT button during a received transmission will set the unit to transmit on the same channel. And, then the primary channel is to be changed to the received channel.

To set the Dual Watch Mode:

- Press “MODE” button repeatedly until “  ” icon & “  ” simultaneously blinks.  
Press the Up(+) or the Down(-) button the desired channel is set.

If you want to cancel this function, repeat again the above sequence until channel number is “0”.

### **Out of Range Alert Indication**

The ATT-701 provides an Out-of-Range alert feature whenever reception is no longer intelligible or too weak to be discernible. This condition occurs at a signal strength causes the unit to emit an alert beep, reminding you that you are outside the range of the unit, or that signal reception is being obstructed by nature or man-made objects.

To enable the Out-of-Range Alert:

Press “MODE” button repeatedly until “OF<sup>OF</sup>” blinks.

To enable the feature, press the Up(+) or Down(-) button to select On: then press the PTT, “VOX/M” or “CALL” button to confirm the selection.

To turn the feature off repeat the first step and then select OF

### **Transmit Start Beep**

Press “MODE” button repeatedly until “Sb<sup>OF</sup>” blinks. Press Up(+) or Down(-) button until is fixed to “Sb<sup>ON</sup>”.

The “Start Beep” is a tone, which is automatically rung whenever the transmission is started. But, the receiving party will not hear this tone.

## CTCSS TONE FREQUENCY TABLE

No.	Frequency(Hz)	No.	Frequency(Hz)	No.	Frequency(Hz)
--	No tone				
1	67	17	118.8	33	210.7
2	71.9	18	123.0	34	218.1
3	74.4	19	127.3	35	225.7
4	77.0	20	131.8	36	233.6
5	79.7	21	136.5	37	241.8
6	82.5	22	141.3	38	250.3
7	85.4	23	146.2		
8	88.5	24	151.4		
9	91.5	25	156.7		
10	94.8	26	162.2		
11	97.4	27	167.9		
12	100.0	28	173.8		
13	103.5	29	179.9		
14	107.2	30	186.2		
15	110.9	31	192.8		
16	114.8	32	203.5		

## Channel Frequency Table

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

## Safety Information For FRS UNIT

Your wireless handheld portable transceiver contains a low power transmitter. When the PTT button is pushed it sends out radio frequency (RF) signals. This device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

**Important:** To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter at least 2 inch (5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away. If you wear the handset on your body while using the headset accessory, DO NOT TRANSMIT. The AT&T supplied belt clip is for storage purposes ONLY. Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

**Normal Position:** Hold the transmitter approximately 2 inch from your face and speak in a normal voice, with the antenna pointed up and away.

FCC ID : XXXMODELNO.  
TRADE NAME (OPTIONAL)

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.

COUNTRY OF ORIGIN (OPTIONAL)

\* IT IS ENGRAVED INNER SIDE OF THE BATTERY COVER.  
Or, IT WILL BE WRITTEN ON THE OPERATION MANUAL.