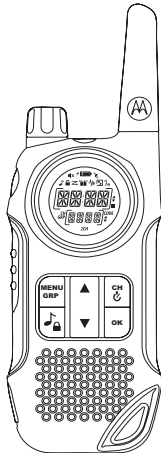




MOTOROLA



TLKR T8 Owner's Manual

Manuel de l'utilisateur TLKR T8

TLKR T8 Benutzerhandbuch

Manual del usuario de TLKR T8

TLKR T8 – Manuale per l'utente

Manual do Proprietário TLKR T8

TLKR T8 Gebruikershandleiding

Instrukcja obsługi radiotelefonu TLKR T8

TLKR T8 Kullanıcı Kılavuzu

TLKR T8 Руководство владельца

Brugervejledning TLKR T8

Ägarhandbok TLKR T8

Brukerhåndbok TLKR T8

Käyttöohje TLKR T8

CONTENTS

Product Safety and RF Exposure	2	Key Tone	11
Features	2	PTT (Roger Tone)	12
Control and Functions	3	Automatic Power Save Feature	12
Display	4	Auto Power Off	12
Package Contents	5	Room Monitor Feature	12
Install the Battery	5	Group Menu	13
Battery Level and Low Battery Alert	5	Clock Feature in Group Mode	13
Charging the Radio	5	Set ID Name	14
Direct Charge	5	Set ID Number	14
Using the Charging Cradle	5	Set Monitor in Group Mode	14
Charging the Battery	6	Set Ring Tone in Group Mode	15
Using the Radio	6	Set Key Tone in Group Mode	15
Turning On the Radio and Volume Adjust	6	Set PTT in Group Mode	15
Talking on your Radio	6	Set Auto Power Off in Group Mode	15
Navigating through the Menu	6	Group Mode	15
Select Menu	7	Auto Channel Change Setting	16
Choosing a Channel	7	Manual Channel Change Setting	16
Choosing a Sub-code	7	Set All/Direct Call	16
Dual Watch Mode	8	Set All Call	16
Stopwatch Activation	8	Set Direct Call	17
Mode Menu	9	Key Lock Activation	17
Clock Feature	9	Battery Low Alert	17
Channel Scan Feature	10	LCD Backlight	17
Monitor Mode Feature	10	Specifications	17
Voice Operated Transmission	10	Frequency Chart	18
Transmitting a Ring Tone	10	CTCSS Chart (Hz)	19
Vibe (Vibration) Mode	11	DCS Code	19
Slnt (Silent) Mode	11	Warranty Information	20
		What Is Not Covered by the Warranty	20
		Copyright Information	20

Product Safety and RF Exposure for Portable Two-Way Radios



Caution

Before using this product, read the operating instructions for safe usage contained in the Product Safety and RF Exposure booklet enclosed with your radio.

ATTENTION!

Before using this product, read the RF energy awareness information and operating instructions in the Product Safety and RF Exposure booklet to ensure compliance with RF energy exposure limits.

Features

8 PMR Channels

121 Sub-Codes (38 CTCSS Codes & 83 DCS)

Up to 10 km Range*

LED Torch

Internal VOX Circuitry

10 Selectable Ring Tone Alert

Backlight LCD Display

Headset Jack for Optional Headset

PTT Roger Beep

Clock timer

Room Monitor

Channel Scan

Dual Watch

Keypad Lock

Battery Save Power

Silent Mode

Battery Low Alert

Group Call

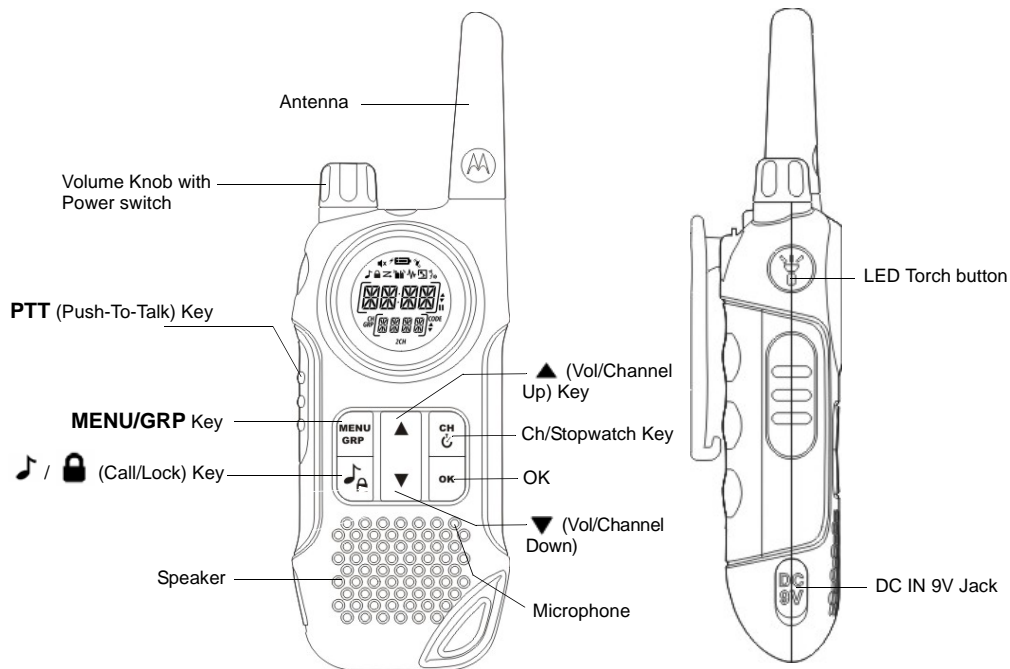
Direct Call (Caller ID Call)

All Call

Auto Channel Change

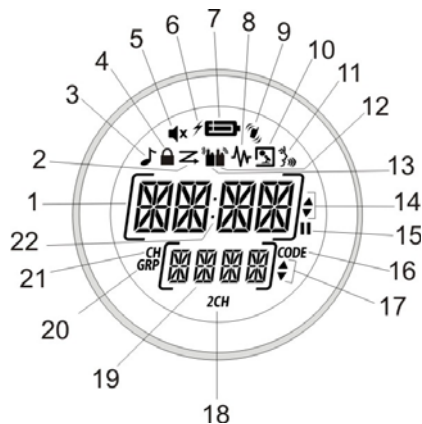
* Range may vary depending on environmental and/or topographical conditions.

Control and Functions



Display

1. Time/Menu/Group selection indicator
2. Scan indicator
3. Key tone indicator
4. Keypad lock indicator
5. Silent (Ringer Off) indicator
6. Battery charge indicator
7. Battery level meter
8. Monitor indicator
9. Vibrator indicator
10. Room monitor indicator
11. VOX indicator
12. Transmit indicator
13. Receive indicator
14. Up/Down (Channel/Menu mode selection) indicator
15. Pause (Stopwatch) indicator
16. Code (Sub-code number) indicator
17. Up/Down (sub-code/group selection number) indicator
18. 2CH (Dual channel) indicator
19. Sub-code number/Group selection indicator
20. GRP (Group mode) indicator
21. CH (Main Channel indicator)
22. Colon (display in Clock/Stopwatch) indicator



Congratulations on your purchase of the TLKR T8 radio. This product is a lightweight, durable radio. Use it at sporting events to stay in contact with family and friends, hiking, skiing, outdoors, for vital communication. This compact, state-of-the-art device is equipped with many features.

Package Contents

Your package contains two TLKR T8 radios, two belt clips, one charging cradle, AC adapter, two battery support brackets, two rechargeable NiMH battery packs and this reference guide. You may operate the unit with 4 AAA alkaline batteries (not included).


Install the Battery

Your TLKR T8 radio uses the NiMH battery pack or 4 AAA alkaline batteries (not included). If alkaline batteries are used, we recommend using high quality alkaline batteries.

To install the NiMH battery pack:

1. Make sure your radio is OFF.
2. Remove the battery compartment door by pressing the tab at the bottom of the compartment door, allowing the door to be removed.
3. Install the NiMH battery pack into the battery compartment. Be certain to follow the + and – symbols in the compartment. Installing the battery pack incorrectly will prevent the unit from operating.
4. Replace the battery compartment door.

Battery Level and Low Battery Alert

This unit has a battery level meter on the display to indicate the status of the batteries. When the battery in the unit is low, the battery level meter icon  will flash. Recharge the NiMH rechargeable batteries immediately.

Charging the Radio

If you use the rechargeable NiMH battery, two TLKR T8 radios can be charged directly or by using the supplied charging cradle.

Make sure the radio is turned OFF before placing the radio in the charging cradle. Otherwise the battery level meter icon will not indicate properly.

Direct Charge

1. Connect the DC adapter's plug to the radio's DC IN 9V jack and plug the other end to a vehicle's accessory power outlet.
2. Charge the battery pack for 16 hours.

Using the Charging Cradle

1. Connect the AC adapter to DC IN 9V and to a standard electrical outlet.
2. Set the charging cradle on the desk or tabletop, and place the radio in the charging cradle with the keypad facing forward.
3. Make sure that the LED illuminates. Charge the battery pack for 16 hours and remove the radio from the charging cradle after charge.

Note: The charge indicator LEDs will remain on as long as the radios are left in the charger.

Charging the battery

You can charge the NiMH battery pack itself using the included battery support bracket.

1. Place the battery support bracket into the charging cradle.
2. Install the NiMH battery pack applying its charging contacts to those of the charging cradle. Installing the batteries incorrectly will prevent the unit from charging.
3. Make sure that the LED illuminates. Charge the battery pack for 16 hours.

Note:The charge indicator LEDs will remain on as long as the battery is left in the charger.

Using the Radio


In order to get the most out of your new radio, read this reference guide completely before attempting to operate the unit.

Turning the Radio On and Adjusting the Volume


1. Turn the rotary knob clockwise to turn the radio ON, and increase the volume by turning the rotary knob.
To decrease the volume, turn the rotary knob counter clockwise.
2. Turn the rotary knob fully counterclockwise to turn the radio OFF.


Talking on Your Radio

To talk to others using the radio:

1. Press and hold the **PTT** key and speak in a clear, normal voice about 5-8 cm away from the microphone. While you are transmitting, the  icon will appear on the display. To avoid cutting off the first part of your transmission, pause slightly after pressing the **PTT**

button before you start talking.

2. When you have finished speaking, release the **PTT** key. You can now receive incoming calls. While receiving, the  icon will appear on the display.

Note:When you continue to transmit for 60 seconds, the radio emits TX Time Out tone and the  icon flashes. The radio will stop transmitting.

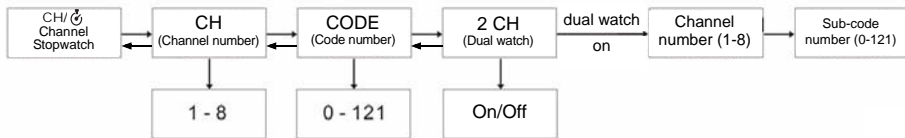
Navigating through the Menu

To access the advanced features of the TLKR T8, your radio has two Menu functions.

1. To enter the Menu, press the **MENU/GRP** key.
2. Additional presses of the **MENU/GRP** key will advance you through the Menu until exiting to "Normal" operating mode.

Select Menu

Your radio navigates through Select Menu as follows:



Choosing a Channel

Your radio has 8 channels and 121 Sub-codes you can use to talk to others. In order to speak to someone, each of you must set to the same channel and Sub-code.

To choose a channel:

1. Enter the CH/🔄 Channel "CH" display.
2. Press **OK** to go to channel settings.
3. Press the ▲ or ▼ key to increase or decrease the channel number displayed. If you press and hold the ▲ or ▼ key, the channel number increase or decrease continuously.
4. Press **OK** to confirm the setting.

Choosing a Sub-code


Allocating a Sub-code to your radio will help to reduce interference but remember that the radios that have different Sub-codes set will not be able to communicate with each other. Each of the channels 1-8 may have any one of the codes from 0 to 121.

1. Enter the CH/🔄 . Advance through the Select Menu until the "CODE" display.
2. Press **OK** to go to sub-code settings.
3. Press the ▲ or ▼ key to increase or decrease the Sub-code number displayed. If you press and hold the ▲ or ▼ key the channel number increase or decrease continuously.
4. Press **OK** to confirm the setting.

Dual Watch Mode


Your radio can scan the current channel and another channel alternately. You need to set a channel number and its Sub-code for another channel.

To set another channel and start Dual Watch:

1. Enter the CH/  . Advance through the select menu until "2CH" display.
2. Press **OK** then press the ▲ or ▼ key to set the dual channel to ON monitoring. Press **OK** again to set the dual watch channel number.
3. Press the ▲ key to set the second channel number, press **OK** then press the ▲ or ▼ key to select second channel. Press **OK** again to confirm.
4. Press the ▲ key to set the second sub-code, Press **OK** then press the ▲ or ▼ key to select second sub-code number. Press **OK** again to confirm.

Note: If you set the same channel number and Sub-code as the current channel, Dual Watch doesn't work.

To turn the Dual Watch mode OFF:

Enter the CH/  . Advance through the select Menu until "2CH" display. Press **OK** then press the ▲ or ▼ key to set to OFF mode.



Press **OK** to confirm the setting.

Stopwatch Activation

You can use this radio as a Stopwatch timer. It can time up to 60 minutes and 59 seconds.

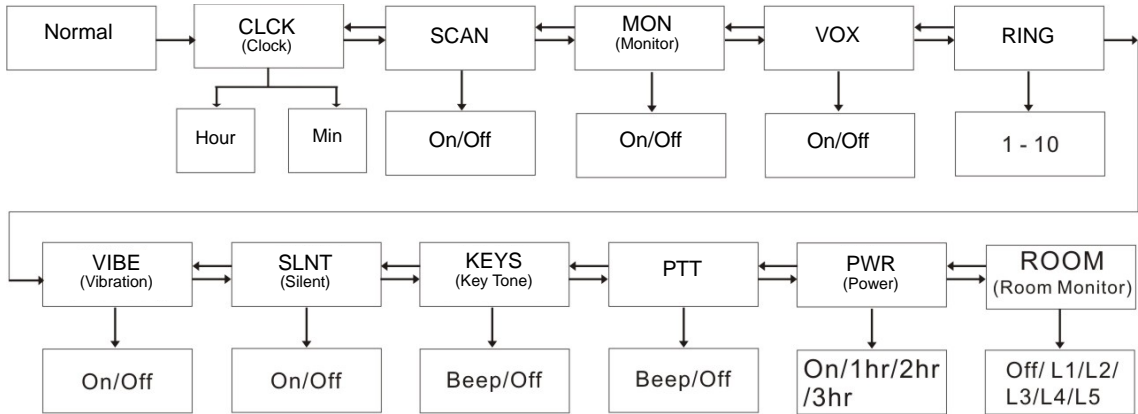
Note: You can receive incoming signals during this mode.

To use the Stopwatch Timer

1. Press and hold the CH/  key until Stopwatch timer displays.
2. Press the ▲ key to start Stopwatch timer. Pressing the ▲ key again will Pause the timer.
3. Press the ▼ key to reset the Stopwatch timer.
4. Press and hold the CH/  key to exit the Stopwatch timer function.

Mode Menu

Your radio navigates through Select Menu as follows:



Clock Feature

You can use your TLKR T8 radio's clock function as a time display on your radio. When you set the time feature, the time clock in 24 hour format will display on standby mode.

To set the Time clock ON or OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until the "CLOCK" display. Press **OK** to set the time clock feature.
2. Press the **▲** or **▼** key to set the hour time.
3. Press **OK** and move on to minutes setting.
4. Press the **▲** or **▼** key to set the minute time.
5. Press **OK** to confirm the time setting.

Channel Scan Feature

Your TLKR T8 radio has a channel scan feature that allows you to easily scan all 8 channels. When an active channel is detected, the radio will pause on that channel until the channel is clear. Then after a 2 second pause, the radio will continue scanning. Pressing the **PTT** key while the scan is paused on a channel will allow you to transmit on that channel and after releasing the **PTT** in 5 seconds it will continue scanning.

To set the channel scan ON:

1. Enter the **MENU/GRP**. Advance through the Menu until "SCAN" display. Press **OK** then press the ▲ or ▼ key to set the Scan On.
2. Press **OK** to start channel scanning.

To set the channel Scan OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until "SCAN" display. Press **OK** then press the ▲ or ▼ key to set the Scan to OFF.
2. Press **OK** to confirm the setting.

Monitor Mode Feature

Your TLKR T8 radio allows you to listen for weak signals on the current channel at the press of a key.

To set the Monitor to ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "MON" display. Press **OK** then press the ▲ or ▼ key to set the Monitor ON.
2. Channel monitoring will start immediately.

To set the Monitor to OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until


"MON" display. Press **OK** then press the ▲ or ▼ key to set the monitoring to OFF mode.


2. Press **OK** to confirm the setting.

Voice Operated Transmission


Your TLKR T8 radio is equipped with a user selectable Voice Operated Transmitter (VOX) that can be used for automatic voice transmission. The VOX feature is designed for hands-free purpose. Transmission is initiated by speaking into the microphone of the radio or headset (headset is not included) instead of pushing the **PTT** key.

To select the VOX level:

1. Enter the **MENU/GRP**. Advance through the Menu until the "VOX" display. Press **OK** to select VOX level settings to (L1..L5/Off). Setting Off disables VOX, while level 1-5 set the sensitivity of the VOX circuit.
2. Press the ▲ or ▼ key to select the desired VOX sensitivity level. Use Level 1 in quiet environments, and use level 5 in very noisy environments. You can find the appropriate sensitivity level by speaking into the microphone. If the  icon flashes, your voice is accepted.
3. Press **OK** to confirm the setting.

Note:When you continue to transmit using VOX function for 60 seconds, the radio emits TX Time Out tone and the  icon flashes for 5 seconds.

Transmitting a Ring Tone

Your TLKR T8 radio is equipped with 10 selectable call tones that will be transmitted, when the  key is pressed.

To select a Call tone:

1. Enter the **MENU/GRP**. Advance through the Menu until the "RING" display. Press **OK** to select the ring tone from (1-10).
2. Press the **▲** or **▼** key to select the desired ring tones. Each tone will be heard every time you press the selected ring tone number.
3. Press **OK** to confirm the setting.

To transmit the selected ring tone, press the **♪/🔒** key. The selected tone will automatically be transmitted for a fixed length of time. Ring tone will be cancelled when the **PTT** key is pressed.

Vibe (Vibration) mode

Your TLKR T8 is equipped with a Vibration selection that will alert the user when there is incoming transmission or call tone.

Vibrator mode is disabled for 30 seconds when you transmit, receive or press any other button.

To turn the Vibrator mode ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "VIBE" display. Press **OK** then press the **▲** or **▼** key to set the Vibration to ON mode.
2. Press **OK** to confirm the setting.

To turn the Vibrator mode OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until "VIBE" display. Press **OK** then press the **▲** or **▼** key to set the Vibration OFF.
2. Press **OK** to confirm the setting.

Slnt (Silent) Mode

When you turn On the silent mode, all incoming calls are muted; the radio blinks the backlight to alert you to an incoming call. If you do not respond to the call, the backlight turns Off, and the CALL icon will blink until there is no signal.

Silent mode is disabled for 30 seconds when you transmit, receive, or press any other button.

To turn the Silent ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "SLNT" display. Press **OK** then press the **▲** or **▼** key to set the Silent to ON mode.
2. Press **OK** to confirm the setting.

To turn the Silent OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until "SLNT" display. Press **OK** then press the **▲** or **▼** key to set the Silent to OFF.
2. Press **OK** to confirm the setting.

Key Tone

Your radio emits a tone each time one of the keys (except for the **PTT** key) is pressed.

To turn the Key tone ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "KEYS" display. Press **OK** then press the **▲** or **▼** key to set the Key Beep tone ON mode.
2. Press **OK** to confirm the setting.

To turn the Key tone OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until "KEYS" display. Press **OK** then press the **▲** or **▼** key to

set the Key tone to OFF.

2. Press **OK** to confirm the setting.

PTT (Roger tone)

Roger Beep is a BEEP that is sent to notify the end of transmission (**PTT** and **VOX** transmission). Roger can be heard through the speaker when Key Beep is On. It is transmitted even if Key beep is turned Off. However, Roger Beep will not be heard from the speaker.

To turn the **PTT** beep ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "**PTT**" display. Press **OK** then press the ▲ or ▼ key to set the **PTT** Beep tone to ON mode.
2. Press **OK** to confirm the setting.

To turn the **PTT** beep OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until "**PTT**" display. Press **OK** then press the ▲ or ▼ key to set the **PTT** tone to OFF.
2. Press **OK** to confirm the setting.

Automatic Power Save Feature

Your radio has a unique circuit designed to dramatically extended the life of the batteries. If there is no transmission or an incoming call within 3 seconds, your radio switches to the Power Save Mode. The radio is still able to receive transmissions in this mode.

Auto Power Off

Auto Power Off feature allows you to set the time that the radio turns off automatically.

1. Enter the **MENU/GRP**. Advance through the Menu until the "PWR" display. Press **OK** then press the ▲ or ▼ key

to select the Auto power off mode. Selection mode can be set to On, 1hr, 2hr or 3 hr.

2. Press **OK** to confirm the setting.

Room Monitor Feature

You can use one of your TLKR T8 radios as a room monitor and use the other radio to listen to and keep a check on the voice in another room. When you set the room monitor feature, the monitoring radio will detect voice/noises (according to the sensitivity level you set) and transmit back to the listening radio without pushing the **PTT** key. The monitoring radio is not able to receive any transmissions in this mode.

To turn the Room Monitor ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "ROOM" display. Press **OK** then press the ▲ or ▼ key to select the Room monitor to Off or level L1, L2, L3, L4, L5.
2. Channel monitoring will start immediately.

To set the Room Monitor OFF:

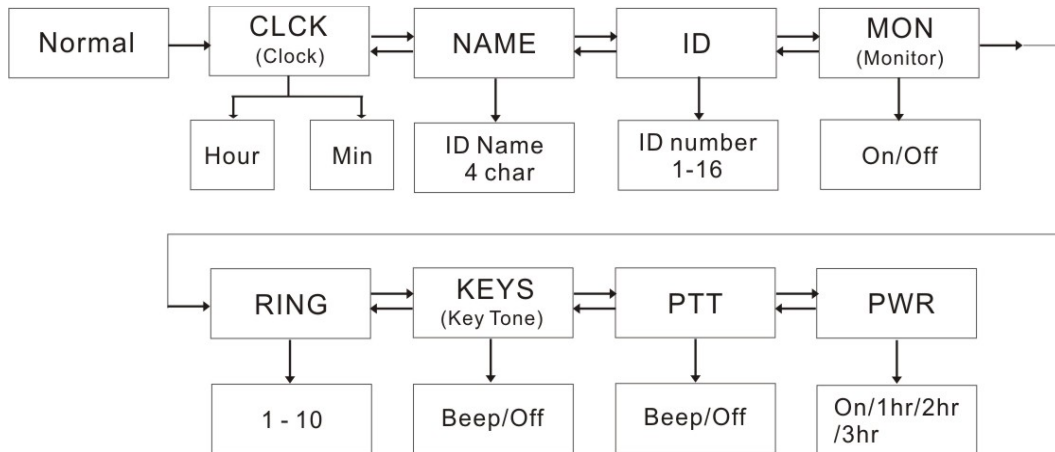
1. Enter the **MENU/GRP**. Advance through the Menu until the "ROOM" display. Press **OK** then press the ▲ or ▼ key to set the Room monitor to Off.
2. Press **OK** to confirm the setting.

Note:

- Pressing the **PTT** key in Room Monitor mode is invalid and the radio emits **PTT** Error tone.
- When the voice/noise in another room continues more than 60 seconds, the monitoring radio stops monitoring for 5 seconds, and then resumes.

Group Menu

Press and hold the **MENU/GRP** key to get into Group Menu.



Clock Feature in Group Mode

You can use your TLKR T8 radio's clock function as a time display on your radio. When you set the time feature, the time clock in 24 hour format will display on standby mode.

To set the Time clock ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "CLCK" display. Press **OK** to set the Time clock feature.
2. Press the **▲** or **▼** key to set the hour time.
3. Press **OK** to move on to minute setting.
4. Press the **▲** or **▼** key to set the minute time.
5. Press **OK** to confirm the time setting.

Set ID Name

ID name appears on other units' displays when you make an All Call or Direct Call. This is also the name that appears on other radio displays when someone wants to make a Direct Call to you. When no ID name is set, the unit number appears.

To set the ID Name:

1. Enter the **MENU/GRP**. Advance through the Menu until "NAME" is displayed. Press **OK** to enter the Name on the blinking sub-code segments.
2. Press the **▲** or **▼** key to input the character on the blinking sub code segments. Press **OK** to move to the next character until completed the desired characters. The name characters can be selected up to 4 characters.
3. Press **OK** to confirm the setting.

Note:Whenever the user presses MENU/GRP key, the unit cancels input ID number and entered ID name then it exits from Group menu.

Set ID number

Each radio in your group needs to be set to an ID number from 1 to 16.

The ID number is required to distinguish units of the same Group.

To set the ID number:

1. Enter the **MENU/GRP**. Advance through the Menu until "ID" is displayed. Press **OK** then press the **▲** or **▼** key to set the ID number.
2. Press **OK** to confirm the setting.

Note:The user selects ID number that is displayed on channel segments by pressing the **▲** or **▼** key. When the registered ID of All Call is selected by pressing **▲** or **▼** the LCD indicates "USED" at sub-code segments, and if non registered ID is selected it indicates nothing at sub-code segments.



Set Monitor in Group mode

To set the Monitor mode ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "MON" display. Press **OK** then press the **▲** or **▼** key to set the Monitor to ON mode.
2. Channel monitoring will start immediately.

To set the Monitor to OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until "MON" display. Press **OK** then press the **▲** or **▼** key to set the Monitor to OFF.
2. Press **OK** to confirm the setting.

Set Ring Tone in Group mode

To select a Ring tone:

1. Enter the **MENU/GRP**. Advance through the Menu until "RING" displays. Press **OK** to select the ring tone from (1-10).
2. Press the **▲** or **▼** key to select the desired ring tone. Each tone will be heard every time you press the selected ring tone number.

To transmit the selected ring tone, press the corresponding key. The selected tone will automatically be transmitted for a fixed length of time. Ring tone will be cancelled when the **PTT** key is pressed.

Set Key Tone in Group mode

To set the Key tone ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "KEYS" display. Press **OK** then press the **▲** or **▼** key to set the Key Beep tone to ON.
2. Press **OK** to confirm the setting.

To set the Key tone OFF:

1. Enter the **MENU/GRP**. Advance through the Menu until "KEYS" display. Press **OK** then press the **▲** or **▼** key to set the Key tone to OFF.
2. Press **OK** to confirm the setting.

Set PTT in Group mode

To set the **PTT** beep ON:

1. Enter the **MENU/GRP**. Advance through the Menu until the "PTT" display. Press **OK** then press the **▲** or **▼** key to select the **PTT** Beep tone to ON mode.
2. Press **OK** to confirm the setting.

To set the **PTT** beep OFF:


1. Enter the **MENU/GRP**. Advance through the Menu until "PTT" display. Press **OK** then press the **▲** or **▼** key to set the **PTT** tone to OFF.
2. Press **OK** to confirm the setting.

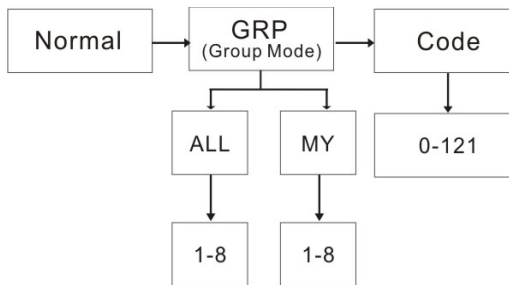
Set Auto power off in Group mode


Auto Power Off feature allows you to set the time that the radio turns off automatically.

1. Enter the **MENU/GRP**. Advance through the Menu until the "PWR" display. Press **OK** then press the **▲** or **▼** key to select the Auto power off mode. Selection mode can be set to On, 1hr, 2hr or 3 hr.
2. Press **OK** to confirm the setting.

Group Mode

Press the CH/  key to get into Group Mode. Press the **▲** or **▼** key to proceed to each menu.




Press the CH/  key to enter the channel setting. Press **OK** then press the ▲ or ▼ key to select the Auto Channel Change settings or Manual Channel Change settings. The Display shows the following:




Auto Channel
Change





Manual Channel
Change

Press the CH/  key to enter each setting.


Note: Pressing the CH/  key will go back to idle status.

Auto Channel Change setting

Press the CH/  key to enter Group Mode. Press **OK** to set the Auto Channel change and the display will show the current group number. Press **OK** then press the ▲ or ▼ key to select the group channel number press again the ▲ or ▼ key to select the group mode in "ALL". Press **OK** to confirm and transmit Auto Channel change command.


Note: Pressing CH/  key will go back to idle status.

Manual Channel setting



Press the CH/  key to enter Group Mode. Press **OK** to set the Manual Channel setting and the display will show "MY".

Press **OK** then press the ▲ or ▼ key to select the channel.

Then, Manual channel setting is available.

Note: Pressing the CH/  key will go back to idle status.

Set All/Direct Call

Press the  /  key in Group mode to enter All/Direct call setting. At first the user selects a type of call from All Call transmission or Direct Call setting.





All Call
Transmission



Direct Call
Transmission

To select the setting, press the ▲ or ▼ key to select the type of a call.

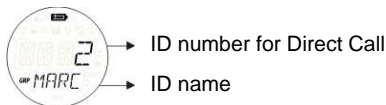
Set All Call

When All Call Transmission "ZYNC" is selected press the  /  key to transmit All Call immediately. Then it sounds All Call tone to the receiver unit. The display shows TX icon and Call icon while transmitting.

Note: Pressing the CH/  key will go back to idle status.

Set Direct Call

The display shows ID number on Channel segments and ID name blinks on sub-code segments.



Press the ▲ or ▼ key to select the ID number. Press **OK** to transmit Direct Call command. The Direct Call command will only transmit to the selected ID number.

The display shows the TX icon and Call icon while transmitting.

The unit sounds will transmit the selected Call tone when transmitting Direct Call command.

Note: Pressing the CH/🔄 key will go back to All/Direct Call setting.

Key Lock Activation

To Lock the keypad:

Press and hold the 🎵/🔒 key. The 🔒 icon appears.

In sub-code segments shows "LOCK" for 2 seconds then it returns to previous screen.

To Unlock the keypad:

Press and hold the 🎵/🔒 key again. The 🔒 icon disappears.

In sub-code segments shows "UNLK" for 2 seconds then it returns to previous screen.

Note: If any key (except PTT) is pressed while LOCK icon still displayed every press of keys will sound with error tone.

Battery Low Alert

Battery Low alerts when the battery level becomes empty. The alert starts 30 seconds after the Battery Low icon starts blinking. The sub-code segment indicates "BATT" and the Battery Low 🪫 icon blinks. The alert tone sounds every 5 seconds for 30 seconds then the radio will automatically power off.

LCD Backlight

The LCD backlight will automatically turn ON when any key (except for **PTT**) is pressed. The LCD display will illuminate for 10 seconds after the last key pressed.

Specifications

Channels	8 PMR
Sub-Codes	121 (38 CTCSS and 83 DCS Codes)
Operating Frequency	446.00625 - 446.09375 MHz
Power Source	AAA Ni-MH battery Pack
	4 AAA Alkaline Batteries (not included)
Range	Up to 10 km
Battery Life	16 Hours typical Alkaline Batteries
	14 Hours typical NiMH Battery pack

Frequency Chart (MHz)

Ch.	Freq.
1	446.00625
2	446.01875
3	446.03125
4	446.04375
5	446.05625
6	446.06875
7	446.08125
8	446.09375

Approved Accessories List

Please contact your dealer or retailer to purchase these accessories.

CTCSS Chart (Hz)

Code No.	Tone Frequency (Hz)	Code No.	Tone Frequency (Hz)	Code No.	Tone Frequency (Hz)
0	Off	13	103.5	26	162.2
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100.0	25	156.7	38	250.3

DCS Code

Code No.	Code	Code No.	Code	Code No.	Code	Code No.	Code	Code No.	Code	Code No.	Code
39	023	53	114	67	174	81	315	95	445	109	631
40	025	54	115	68	205	82	331	96	464	110	632
41	026	55	116	69	223	83	343	97	465	111	654
42	031	56	125	70	226	84	346	98	466	112	662
43	032	57	131	71	243	85	351	99	503	113	664
44	043	58	132	72	244	86	364	100	506	114	703
45	047	59	134	73	245	87	365	101	516	115	712
46	051	60	143	74	251	88	371	102	532	116	723
47	054	61	152	75	261	89	411	103	546	117	731
48	065	62	155	76	263	90	412	104	565	118	732
49	071	63	156	77	265	91	413	105	606	119	734
50	072	64	162	78	271	92	423	106	612	120	743
51	073	65	165	79	306	93	431	107	624	121	754
52	074	66	172	80	311	94	432	108	627		

Warranty Information

The authorized Motorola dealer or retailer where you purchased your Motorola two-way radio and/or original accessories will honour a warranty claim and/or provide warranty service. Please return your radio to your dealer or retailer to claim your warranty service. Do not return your radio to Motorola.

In order to be eligible to receive warranty service, you must present your receipt of purchase or a comparable substitute proof of purchase bearing the date of purchase. The two-way radio should also clearly display the serial number. The warranty will not apply if the type or serial numbers on the product have been altered, deleted, removed, or made illegible.

What Is Not Covered By The Warranty

Defects or damage resulting from use of the Product in other than its normal and customary manner or by not following the instructions in this user manual.

Defects or damage from misuse, accident or neglect.

Defects of damage from improper testing, operation, maintenance, adjustment, or any alteration or modification of any kind.

Breakage or damage to aereals unless caused directly by defects in material or workmanship. Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.

Defects or damage due to range.

Defects or damage due to moisture, liquid or spills.

All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal use.

Products rented on a temporary basis. Periodic

maintenance and repair or replacement of parts due to normal usage, wear and tear.

Copyright Information

The Motorola products described in this manual may include copyrighted Motorola programs, stored semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola, certain exclusive rights for copyrighted computer programs, including the exclusive right to copy or reproduce in any form, the copyrighted Motorola programs.

Accordingly, any copyrighted Motorola computer programs contained in the Motorola products described in this manual may not be copied or reproduced in any manner without express written permission of Motorola. Furthermore, the purchase of Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents or patent applications of Motorola, except for the normal non-exclusive royalty free license to use that arises by operation of law in the sale of a product.

MOTOROLA, the Stylized M Logo and all other trademarks indicated as such herein are trademarks of Motorola, Inc. ® Reg. U.S. Pat. & Tm. Off.

© Motorola, Inc. 2010