Stryker
SR-94HPC

10-Meter Amateur Radio
Full Featured Compact AM & FM
40W High Powr & PC programmable

USER'S MANUAL

Downloaded from www.cbradio.nl

INTRODUCTION

Congratulations on your purchase of a Stryker 10 meter mobile amateur transceiver .Your Stryker is designed to provide years of enjoyment and trouble-free service. There are many features and functions designed into this transceiver. To ensure that your investment is enjoyed to its fullest extent, please take a few moments and thoroughly read this manual.

LIMITED WARRANTY

Stryker Amateur Radio warrants this product to be free of defects for a period of three (3) year from the original date of purchase. You must activate your warranty online at **http://strykerradios.com/registration-form/** This warranty is non-transferable. This limited warranty is subject to repair or replacement of defective components only. This warranty is void if the radio has been tampered with or misused. If your Stryker Radios needs repair any time during the (1) year warranty period please visit **repairs.strykerradios.com** to obtain an RMA Number. If you do need service after your warranty has expired you can still sen your radio to us for repair. Our rates are very reasonable and you can rest assured that your radio will be fixed correctly.

IMPORTANT: RETAIN YOUR SALES RECEIPT

You will need to include a copy of your original sales receipt along with your radio when sending it in for warranty repair.

Improper Radio Adjustments

Service by unqualified technicians could result in damage to your radio. Never allow anyone to disable your radio's modulation limiting circuitry. We have designed your radio for optimal performance and durability. Disabling this circuitry could damage your radio and potentially void your factory warranty!

For further service information please visit www.StrykerRadios.com.

WARNING

In order to comply with RF exposure requirements for mobile transmitting devices, a minimum distance of 20cm must be maintained between the antenna and all persons.

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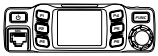
1. FUNCTIONS & FEATURES

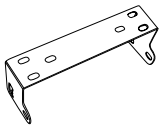
- FTF LCD display
- 12/24V voltage(4W version only)
- Full alloy body for heat radiation
- Programmable keypad
- CTCSS/DCS (optional)
- Wireless microphone control(optional)
- Cell-phone APP control (optional)
- AM/FM multi band
- Flexible menu and programming software
- DTMF
- SQ, ASQ
- SQ, ASQ open/close value setting
- RF Gain
- Scan
- Dual watch
- Programmable RB
- CH9/19
- NB
- HI-CUT
- Voltage protection
- 8 memory channel
- TOT
- Backlight control
- Automatic power on
- Keypad lock

2. STANDARD ACCESSORIES



Radio

Microphone

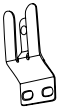


Install bracket

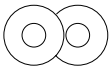
Screws

Pads

Adjusting screws



Microphone Hanger



non–slip mat

Fuse(5A 250V)

3. OPTIONAL ACCESSORIES

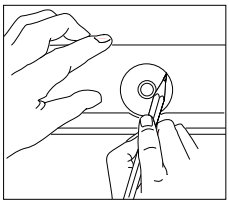
PC cable

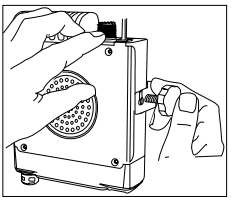
8 ohm speaker

4. INSTALLATION

Choose a idea location to install the radio.

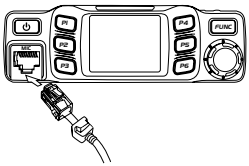
1. Mark the location for screws by intall racket.
2. Fix the bracket by screws.
3. Fix radio base into install bracket and lock by adjusting knobs.

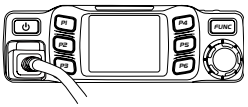




4.01 Microphone connection

1. Plug microphone connector into jack.
2. Pull on the dustproof cover for microphone connector.



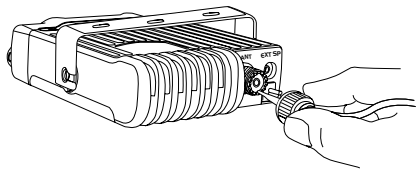


4.02 Antenna connection

Note: Never press PTT before install the antenna, it might burn the final transistor.

1. Screw on the antenna into antenna jack.
2. To make full use of this radio, it is necessary to locate the antenna in a well grounded place, and well adjust the SWR.

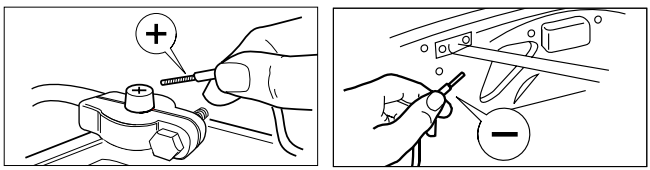
* Please enquiry the local dealer for choosing and intallation of suitable antenna.



4.03 Power connection

This radio requires a 13.2V DC power supply (14.2V DC is ideal)

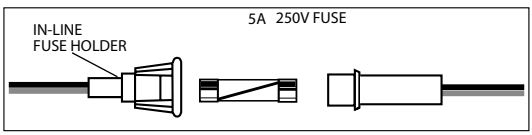
Connect the red wire to the positive terminal of the battery, and the black wire to the negative terminal of the battery.



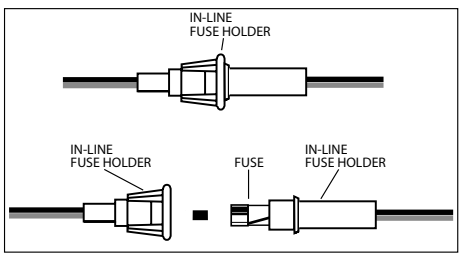
4.04 Fuse replacement

This radio adopt 5A, 250V fuse

1. Open the fuse holder

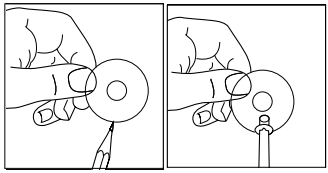


2. Replace the fuse and screw on the holder.



4.05 Intall Microphone hanger

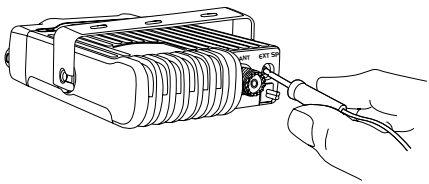
1. Choose idea location and mark for screw point.
2. Fix the hanger by the srews in accessory list.



4.06 Intall external speaker

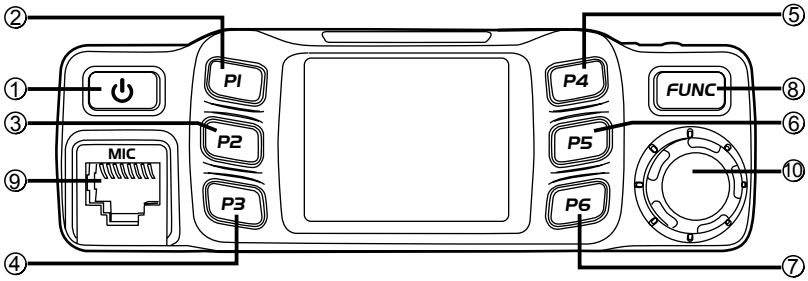
This radio adopt 4-8 ohm, 4W external speaker.

1. Install the external speaker in idea location.
2. Plug in the seaker connector into jack.



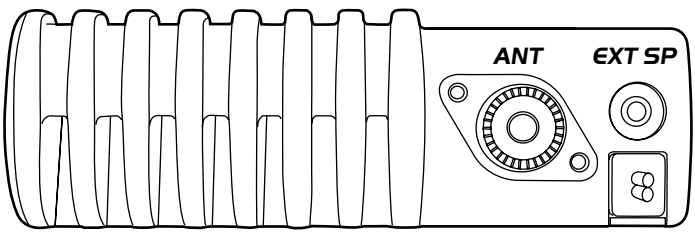
5. GETTING ACQUAINTED

5.01 Front Panel



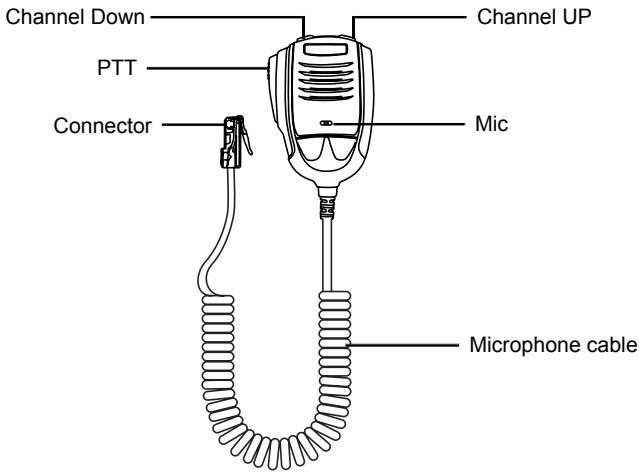
NO.	Key	Functions
1	⏻	Power On/Off/Mute
2	P1	Programmable Key 1 (Default: Mode AM or FM)
3	P2	Programmable Key 2 (Default: RF Gain)
4	P3	Programmable Key 3 (Default: EMG 9 19)
5	P4	Programmable Key 4 (Default: Volume)
6	P5	Programmable Key 5 (Default: Squelch)
7	P6	Programmable Key 6 (Default: Power)
8	FUNC	Function Menu key
9	MIC	Microphone Jack
10		Channel Switch/Push key/ Key lock

5.02 Rear Panel



NO.	Functions
10	External Speaker Jack
11	Antenna Jack

5.03 Microphone



6. KEY FUNCTION OPERATION

[⏻]

1. Short press [⏻] key, the radio emit a prompt and LCD display on.
2. Power off radio: hold [⏻] key, until LCD display off.
3. when radio is powered on, short press [⏻] key, LCD displays AUDIO:MT, the radio volume will mute.
short press [⏻] key, LCD displays AUDIO: Esc, radio will recover last volume level.

Channel switch~PUSH

1. Turn channel switch anti-clockwise to move to down channel, turn it clockwise to up channel.
2. Fast channel adjust: short press **[PUSH]** key to adjust channel by 10 steps each push.
3. Key lock: Hold **[PUSH]** key, LCD displays Key Lock, All keys except **[PTT]** key are locked.
Hold **[PUSH]** key again to unlock the key.

FUNC

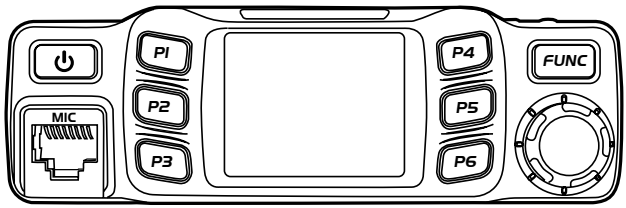
1.Short FUNC to switch between 3 groups of self define funciton keys.

2.Long press FUNC to enter background function menu.

[P1]~[P6]

This radio has 6 self define keys P1,P2,P3,P4,P5,P6,each key can set 3 functions.

P1~P3 matching the 3 function display in left side LCD, **P4~P6** matching the functions display in the right side of the LCD; Please refer to KEY MENU operation to allocate key functions.



MOD: AM/FM mode

1.Short press FUNC key to choose programmed function group.

2.Short press the programmable key which allocated as MOD function, the LCD displays MOD:XX.

3.Short press it again or turn channel switch to switch between FM→AM.

4.Press **[PUSH]** key or FUNC key to store setting and exit.

RFG: Adjust RF gain

1.Short press FUNC key to choose programmed function group.

2.Short press the programmable key which allocated as RFG function, LCD displays RFG: XX.

3.Short press it again or turn channel switch to adjust RF gain level.

4.Press [PUSH] key or FUNC key to store setting and exit.

Note: When RFG is ON, LCD will display the level accordingly.

EMG: CH9/CH19

1.Short press FUNC key to choose programmed function group..

2.Short press the programmable key which allocated as EMG function, first press is choose CH9.

3.Short press it again, will choose CH19.

4.Short press it third time, will return to last normal channel.

VOL: Volume level control

1.Short press [FUNC] key to choose programmed function group.
2.Short press the programmable key which allocated as VOL function, LCD displays VOL: XX.
3.Turn channel switch to adjust volume level.
4.Press **[PUSH]** key or [FUNC] key to store setting and exit.

SQL~ASQ:

Short press: Squelch level control

1.Short press [FUNC] key to choose programmed function group..
2.Short press the programmable key which allocated as SQL function, LCD displays SQ: XX.
3.Turn channel switch to adjust S level.
4.Press **[PUSH]** key or [FUNC] key to store setting and exit.

Long press: ASQ level control

1.Short press [FUNC] key to choose programmed function group.
2.Long press the programmable key which allocated as ASQ function, LCD displays ASQ: XX.
3.urn channel switch to adjust ASQ level.
4.Press **[PUSH]** key or [FUNC] key to store setting and exit.
5.Long press the programmable key again to turn on SQL function.

DSP: Channel/Frequency display mode.

1.Short press [FUNC] key to choose programmed function group.
2.Short press the programmable key which allocated as DSP function, LCD displays DSP:XX.
3.Short press it again or turn channel switch to switch between CH→FRQ.
4.Press **[PUSH]** key or [FUNC] key to store setting and exit.

SCAN~ SCAN ADD:

Short press: Turn on scan function

1.Short press [FUNC] key to choose programmed function group..
2.Short press the programmable key which allocated as SCA function, LCD displays“1S1”.
3.During scanning, turn channel switch to change scan direction.
4.Press **[PUSH]** key or [FUNC] key exit scan.

Long press: add/delete scan list

In channel mode, Long press the programmable key which allocated as SCA function to add or delete channel from scan list.
1. When the LCD displays“S”means current channel is in scan list.
2. When the “S”disappear, means current channel is deleted from scan list.

Note: this function is same as the channel menu 2 control

MEM~STORE:

Short press: use memory channel

1.Short press [FUNC] key to choose programmed function group.
2.Short press the programmable key which allocated as MEM function to enter memory channel, turn channel switch to choose memory channels.
3.Short press it again to store setting and exit.

Long press: Memory channel store position

1.Choose a channel
2.Short press [FUNC] key to choose programmed function group.
3.Long press the programmable key which allocated as MEM function , the LCD displays memory channel number, turn channel switch to choose channel number(CH-01~CH-08), Long press **[MEM]** key until LCD displays the stored channel.

NOTE
» *1.when the channel number is not flash, means the channel already stored into memory channel.*
» *2.when the channel number is flash, means the channel is not into memory channel.*

DW: Dual-watch control

1.Choose first dual-watch channel,,and select working mode(AM or FM)
2.Short press [FUNC] key to choose programmed function group.
3.Short press the programmable key which allocated as DW function, LCD flashes and displays “D”
4.Turn channel knob to choose second dual-watch channel, short oress other self-define key to set working mode(AM or FM)
5.Short press allocated the programmable key again to turn on DW fuction,LCD displays "D"
6.Press **[PUSH]** key or [FUNC] key to exit dual-watch function.

CAL: transmit DTMF code

1.Short press [FUNC] key to choose programmed function group.
2.Short press the programmable key to transmit DTMF code which allocated as CAL function.

Note: This function is valid only when the CALL set with valid DTMF group. refer page 14 or page 15 of Call setting for details.

NB: NB function

1.Short press [FUNC] key to choose programmed function group.
2.Short press the programmable key which allocated as NB function, LCD displays NB:XX.
3.Short press it again or turn channel switch to NB function between ON-OFF.
4.Press **[PUSH]** key or [FUNC] key to store setting and exit.

RB: RB function

1.Short press [FUNC] key to choose programmed function group.
2.Short press the programmable key which allocated as RB function, LCD displays RB:XX.
3.Short press it again or turn channel switch to choose RB group
4.Press **[PUSH]** key or [FUNC] key to store setting and exit.

HIC: HI-CUT function

1.Short press [FUNC] key to choose programmed function group.
2.Short press the programmable key which allocated as HIC function, LCD displays HIC:XX.
3.Short press it again or turn channel switch to switch between ON→OFF.
4.Press **[PUSH]** key or [FUNC] key to store setting and exit.

CDT: CTCSS/DCS encode (optional)

1.Short press [FUNC] key to choose programmed function group.
2.Repeatedly short press the programmable key which allocated as CDT function , LCD displays :
CDT:OFF Turn off CTCSS/DCS encode function.
CTC:XX 67.0Hz~250.3Hz, total 38 groups.
DCS:XX D023N~D754N, total 104 groups.
3.After choose code mode, turn channel switch to choose code group.
4.Press **[PUSH]** key or [FUNC] key to store setting and exit.

Note: This function is available only when install Optional CTCSS board.

CTCSS Board is available for purchase at www.strykerradios.com/store

XX: The current key not setting function.

7. BACKGROUND FUNCTION MENU OPERATION

How to enter function menu:

1.Long press [FUNC] key to enter SELECT MENU interface.
2.Short press [FP4] key, [FP6] key or turn channel switch to move cursor, to choose menu.
(Note: short press [FP5] key will fast turn menu page).
3.Press **[PUSH]** key to enter FUNC MENU .
4.Short press [FP4] key, [FP6] key or turn channel switch to move cursor to set for choose function.

1. BEEP: Beep sound

1.Enter FUNC MENU, choose NO. 1 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.turn channel switch to choose wanted setting.
4.Press **[PUSH]** key or [FP3] key to confirm and exit.

2. TOT: Time out timer

1.Enter FUNC MENU, choose NO. 2 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted setting. This radio has OFF~30Min, total 30minutes available. , OFF is turn off TOT function.
4.Press **[PUSH]** key or (FP3) key to confirm and exit..

3. DIM: backlight level control

1.Enter FUNC MENU, choose NO. 3 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.turn channel switch to choose wanted setting. This radio has 1,2,3 total 3 level available.
4.Press **[PUSH]** key or (FP3) key to confirm and exit..

4. VOL: Volume level control

1.Enter FUNC MENU, choose NO. 4 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted level, This radio has 1~56 total 56 levels available.
4.Press **[PUSH]** key or (FP3) key to confirm and exit..

5. SQL: Squelch level

1.Enter FUNC MENU, choose NO. 5 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted level, This radio has OFF~28 total 29 levels available.
4.Press **[PUSH]** key or (FP3) key to confirm and exit..

6. ASQ: ASQ level

1.Enter FUNC MENU, choose NO. 6 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted level, This radio has 1~9 total 9 levels available.
4.Press **[PUSH]** key or (FP3) key to confirm and exit..

7. RFG: RF gain

1.Enter FUNC MENU, choose NO. 7 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted level, This radio has AU. OFF~30 total 12 levels available.
AU: Turn on automatically RF gain control.
OFF~30: Turn on RF gain control, each level stands for attenuated level.
4.Press **[PUSH]** key or FP3 key to confirm and exit..

8. DSP: Channel/frequency display mode

1.Enter FUNC MENU, choose NO. 8 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted setting..
4.Press **[PUSH]** key or FP3 key to confirm and exit..

9. KEYs: key function group setting

1.Enter FUNC MENU, choose NO. 9 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted setting. This radio has 1/2/3. 1/2. 2/3. 1/3 total 4 combinations available.
4.Press **[PUSH]** key or FP3 key to confirm and exit..

10. SCM: scan method

1.Enter FUNC MENU, choose NO. 10 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted setting.
SQ: Squelch scan.
TI: time scan.
4.Press **[PUSH]** key or FP3 key to confirm and exit..

11. SCRT: scan exit time setting

1.Enter FUNC MENU, choose NO. 11 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted setting. This radio has 5S~30S total 6 levels available.
4.Press **[PUSH]** key or FP3 key to confirm and exit..

12. AOP: Automatic power on

1.Enter FUNC MENU, choose NO. 12 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted setting.
ON: Turn on Automatic power on.
OFF: Turn off Automatic power on.
4.Press **[PUSH]** key or FP3 key to confirm and exit..

13. SWR:Standing wave ratio test

Note:connect a 50 ohm load before testing SWR !

1.Enter FUNC MENU,choose NO.13 function menu.
2.Press [PUSH] key to enter function setting.
3.Turn channel switch to choose wanted setting.
Continue:enter into SWR testing.
No:exit.
4.Press [PUSH] key to confirm.

14. RST: Resume factory default

1.Enter FUNC MENU, choose NO. 14 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose wanted setting.
OPT: All function settings resume factory default.
ALL: All channel and function settings resume factory default.
4.Press **[PUSH]** key to confirm.
5.Press FP3 key to stop and exit resume default function,

8. PUBLIC DATA FUNCTION MENU OPERATION

How to enter public menu:

1.Long press [FUNC] key to enter main MENU interface.

2.Short press [FP4] key, [FP6] key or channel switch to move cursor, to choose menu group.

(Note: short press [FP5] key can fast turn page)

3.Press **[PUSH]** key to enter PUD MENU .

4.Short press [FP4] key, [FP6] key or channel switch to move cursor, to choose wanted menu setting.

5.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.

6.Turn channel switch to choose wanted setting.

7.Press **[PUSH]** key or [FP3] key to confirm and exit.

Note: Public function menu offer one-time setting for all channels.

NO.	LCD display	Function detail	Setting details
1	A/FM XXX	AM/FM switch	FM: Turn on FM mode. AM: Turn on AM mode.
2	NB XXX	NB on/off	OFF: Turn off NB function. ON: Turn on NB function.
3	HIC XXX	HI-CUT on/off	OFF: Turn off HI-CUT function. ON: Turn on HI-CUT function.
4	RB XXX	RB groups setting	OFF-5, total 6 groups. OFF: Turn off RB function.
5	CDT XXX	CTCSS/DCS encode setting	Long press **[PUSH]** key to choose wanted setting: CTC: 67.0Hz~250.3Hz, total 38 groups. DCS: D023N~D754N, total 104 groups. OFF: Turn off CTCSS/DCS encode. Long press **[PUSH]** key to confirm and exit. *Note: This is function is optional.*
6	BUSY XXX	Busy channel lock	OFF: Turn off busy channel lock function. ON: Turn on busy channel lock function.
7	BOT XXX	Call setting	OFF: Press PTT will not transmit DTMF code. 1~16: Press PTT to transmit DTMF code.
8	EOT XXX	Call setting	OFF: Release PTT will not transmit DTMF code. 1~16: Release PTT to transmit DTMF code.
9	CALL XXX	Call setting	OFF: Press CALL key will not transmit DTMF code. 1~16: Press CALL key to transmit DTMF code.

» *Note: Only when current channel has store DMTF group, the Call setting will work.*

» *(Refer to DTMF MENU setting)*

9. CHANNEL FUNCTION MENU OPERATION

How to enter channel menu:

1.Long press FUNC key to enter main MENU interface.

2.Short press FP4 key, FP6 key or Turn channel switch to move cursor, to choose menu group.(Short press FP5 key can fast turn page).

3.Press **[PUSH]** key enter channel menu .

4.Short press FP4 key, FP6 key or Turn channel switch to move cursor to choose wanted menu setting.(Short press FP5 key can fast turn page).

5.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.

6.Turn channel switch to choose wanted setting.

7.Press **[PUSH]** key or FP3 key to confirm and exit.

Note: Note: Channel funciton menu is used to edit the setting for current channel.

NO.	LCD display	Function detail	Setting details
1	PD XXX	Public channel setting	OFF: Public setting disable. *(The separate channel setting is valid for single channel only.)* ON: The public setting is valid for all channels.
2	SCAN XXX	Scan add/delete setting	ADD: Current channel add into scan list. DEL: Current channel delete from scan list.
When PD is on, the following menu is hiding, when PD is OFF, the following menu will appear.			
3	A/FM XXX	Mode setting	FM: Turn on FM mode. AM: Turn on AM mode.
4	NB XXX	NB function setting	OFF: Turn off NB function. ON: Turn on NB function.
5	HIC XXX	HI-CUT function setting	OFF: Turn off HI-CUT function. ON: Turn on HI-CUT function.
6	RB XXX	RB setting	OFF-5, total 6 groups available. OFF: Turn off RB function.
7	CDT XXX	CTCSS/DCS encode setting	Long press **[PUSH]** key to choose wanted setting: CTC: 67.0Hz~250.3Hz, total 38 groups. DCS: D023N~D754N, total 104 groups. OFF: Turn off CTCSS/DCS encode. Long press **[PUSH]** key to confirm and exit. *Note: This is function is optional.*
8	BUSY XXX	Busy channel lock function.	OFF: Turn off busy channel lock function. ON: Turn on busy channel lock function.
9	BOT XXX	Call setting	OFF: Press **[PTT]** will not transmit DTMF code. 1~16: Press **[PTT]** to transmit DTMF code.
10	EOT XXX	Call setting	OFF: Release **[PTT]** will not transmit DTMF code. 1~16: Release **[PTT]** to transmit DTMF code.
11	CALL XXX	Call setting	OFF: Press **CALL** key will not transmit DTMF code. 1~16: Press **CALL** key to transmit DTMF code.

Note: Only when current channel has store DMTF group, the Call setting will work (Refer to DTMF MENU setting)

10. DTMF ENCODE SETTING

How to enter DTMF encode setting:

1.Long press (FUNC) key to enter main MENU interface.

2.Short press (FP4) key, (FP6) key or Turn channel switch to move cursor, to choose menu group.(Short press (FP5) key can fast turn page).

3.Press **[PUSH]** key to enter DTMF MENU .

4.short press (FP4) key, (FP6) key or Turn channel switch to move cursor to choose wanted setting.

1. DTMF: Encode setting

1.Enter DTMF MENU, choose NO. 1 function menu.

2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.

3.Turn channel switch to choose group.

4.Long press **[PUSH]** key edit code, Red character stands for current editing digit, Turn channel switch to edit it, Press **[PUSH]** key to edit next digit.

5.Long press **[PUSH]** key or (FP3) key to confirm and exit..

2. SND-T: Transmit time setting

1.Enter DTMF MENU, choose NO. 2 function menu.

2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.

3.Turn channel switch to choose group, This radio has 10ms~500ms total 50 levels available.

4.Press **[PUSH]** key or (FP3) key to confirm and exit.

3. FIR-T: First digit time setting

1.Enter DTMF MENU, choose NO. 3 function menu.

2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.

3.Turn channel switch to choose group, This radio has 0~1000ms total 11 levels available.

4.Press **[PUSH]** key or (FP3) key to confirm and exit.

4. PRE-T: Pre-loading time setting

1.Enter DTMF MENU, choose NO. 4 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose group, This radio has 100ms~2500ms total 25 levels available.
4.Press **[PUSH]** key or FP3 key to confirm and exit.

5. DELAY: #. * delay time setting

1.Enter DTMF MENU, choose NO. 5 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose group, This radio has 0~1000ms total 4 levels available.
4.Press **[PUSH]** key or FP3 key to confirm and exit.

6. D-FUN: D function key setting

1.Enter DTMF MENU, choose NO. 6 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose group, This radio has D~16S total 17 levels available.
4.Press **[PUSH]** key or FP3 key to confirm and exit.

7. DISP: Code display setting

1.Enter DTMF MENU, choose NO. 7 function menu.
2.Press **[PUSH]** key to enter function setting, the chosen menu value in LCD will turn to green color.
3.Turn channel switch to choose setting:
ON: When transmitting DTMF code, LCD displays corresponding setting.
OFF: When transmitting DTMF code, LCD not display corresponding setting.
4.Press **[PUSH]** key or FP3 key to confirm and exit.

11. SELF –DEFINE KEY SETTING

1.Long press FUNC key to enter main MENU interface.
short press FP4 key, FP6 key or Turn channel switch to move cursor, to choose menu group.(Short press FP5 key can fast turn page).
2.Press **[PUSH]** key to KEY MENU .
3.Turn channel switch to choose wanted function
4.Short press **[PUSH]** key to choose Key function group.
5.Short press **P1~P6** keys to choose the key for allocated the function.
6.Press FUNC key to confirm and exit.

12. SPECIFICATIONS

GENERAL		
Modulation Mode		AM/FM
Frequency Range		28.000 ~ 29.700MHz (FM) 28.000 ~ 29.700MHz (AM)
Frequency Tolerance		±5.0ppm
Input Voltage		12/24V
Dimensions(in mm)		124(W) x 163(D) x 39(H)
Weight		Approx.670g
Ferquency Control		PLL Synthesizer
Operating Temperature Range		-20° C TO + 55° C
Current Drain	Transmit	2A MAX
	Receive	Squelched 0.3A
	VOL Max	0.8A
Antenna Connector		UHF,SO-239
TRANSMITTER		
Power Output		4 WattsFM/AM
Transmission interference		inferior to 4nW(-54dBm)
Frequency Response		300-3000Hz
Modulated signal distortion		inferior to 5%
Output Impedance		50 ohms
RECEIVER		
Sensitivity		Less than 1uV for 10dB(S+N)/N
Image Rejection		70dB
Adjacent Channel Rejection		60dB
IF Frequencies		1st 10.695MHz
		2nd 455KHz
Automatic Gain Control(AGC)		Less than 10dB change in audio
		Output for inputs from 10 to 50000uV
Squelch		less than 1uV
Audio Output Power		3 watts into 8 ohms
Frequency Response		300-3000Hz

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