

Stryker

SR-89MC



New!

Big Performance
Small Package!

USER'S MANUAL

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CONTENTS

FUNCTIONS AND CHARACTERS.....	1
STANDARD ACCESSORIES.....	2
OPTIONAL ACCESSORIES.....	2
INSTALLATION.....	2
Microphone connection.....	2
Antenna connection.....	3
Power connection.....	3
Fuse replacement.....	3
Install Microphone hanger.....	4
Intall external speaker.....	4
Install earphone.....	4
Install Remote PTT cable.....	4
KNOW ABOUT THIS RADIO.....	5
HOW TO USE THIS RADIO.....	6
Power on radio.....	6
Automatical Power on radio.....	6
Channel control.....	6
Choose Norms.....	6
Volume control (1-56 levels, Default level 54).....	7
Mute Function.....	7
Squelch control (1-28 Levels, Default Level 6).....	7
ASQ control.....	7
LCD display.....	8
AM/FM mode.....	8
Transmitting.....	8
Receiving.....	8
Time Out Timer.....	9
LCD color.....	9
Beep prompt.....	9
EMG channel.....	9
Keypad lock.....	10
Frequency mode.....	10
Scan.....	10
Memory channel.....	10
Using Memory Channel.....	10
DW channels.....	11
Using DW function.....	11
Factory reset.....	11
Specification.....	12

FUNCTIONS AND CHARACTERS

- Full Aluminum body offer best heat radiation
- Remote control microphone with Wide angle Dot matrix LCD
- 3 color display: Blue, Purple, Orange
- Dual watch
- Full channel scan
- EMG Channel CH9/19
- SQ and ASQ Control
- 4 Memory channels for each Norm
- SQ, VOL, voltage level display
- Field strength display
- Automatic Power on/Manual Power on
- Time Out Timer
- Keypad lock
- Channel and Frequency mode
- Optional earphone for Microphone
- Optional remote PTT control cable

■ STANDARD ACCESSORIES



Screws for bracket



Pads for bracket



Adjusting knobs



Fuse(2A,250V)



Pads



Hanger



Self-tapping Screws

■ OPTIONAL ACCESSORIES



Remote PTT Control Cable
EK01

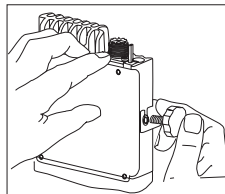
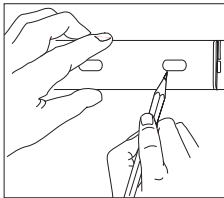


Earphone
HS03

■ INSTALLATION

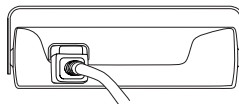
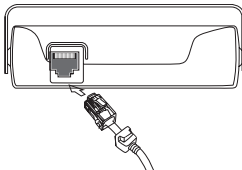
Choose a convenient location to install the radio.

1. Mark the location for screws by tracing the bracket.
2. Attach the bracket using the supplied screws.
3. Secure radio base into install bracket and lock in position by tightening knobs.



✦ Microphone connection

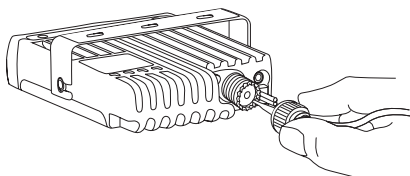
1. Plug microphone connector into jack.
2. Pull on the dustproof cover for microphone connector.



❖ Antenna connection

Note: Never press PTT before install the antenna, it could damage the radio.

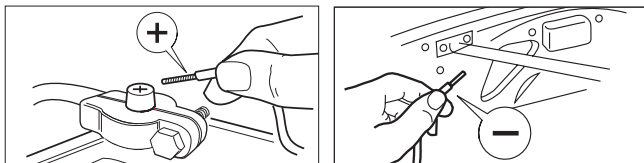
1. Screw on the PL-259 from your antenna into antenna jack.
 2. For proper operation of this radio, it is necessary to install the antenna in a well grounded place, and adjust the SWR.
- * Please consult with your local dealer for choosing and intallation of suitable antenna.



❖ Power connection

This radio requires a 13.2V power supply.

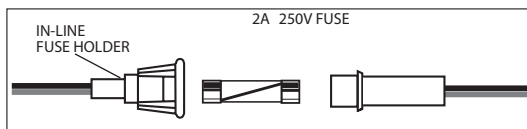
Connect the red wire to the positive terminal of the battery, and the black wire to the negative terminal of the battery.



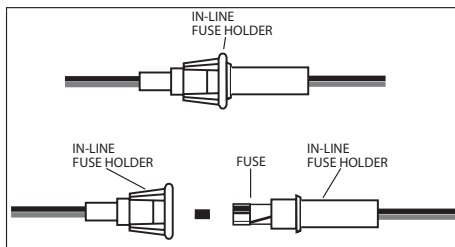
❖ Fuse replacement

This radio requires 2A, 250V fuse

1. Open the fuse holder

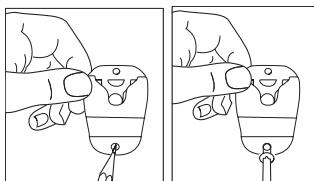


2. Replace the fuse and screw on the holder.



❖ Intall Microphone hanger

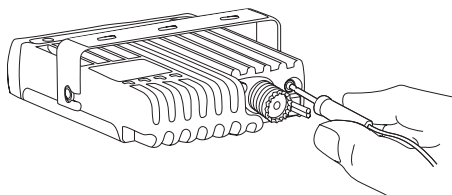
1. Choose suitable location and mark for screw point.
2. Attach the hanger using the supplied screws.



❖ Connecting an external speaker

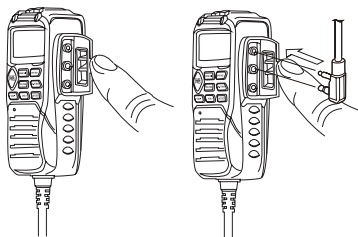
This radio can use a 4-8 ohm, 4W external speaker.

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



❖ Connecting headphones

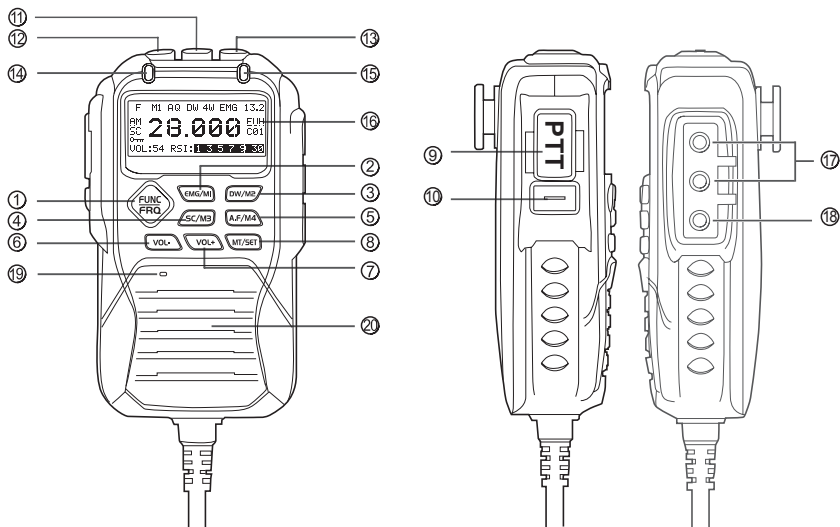
1. Open the jack cover
2. Plug in the hearphone into MIC/SP jack.



❖ Connecting a Remote PTT cable

1. Open the jack cover
2. Plug in the Remote PTT cable into PTT jack.

■ KNOW ABOUT THIS RADIO



1	FUNC/FRQ	Function menu / frequency mode
2	EMG/M1	EMG CH9 and CH19, or program with second function
3	DW/M2	Dual watch, or program with second function
4	SC/M3	Channel scan, or program with second function
5	AF/M4	AM/FM selection, or program with second function
6	VOL-, Squelch level -	Decrease volume or Squelch level
7	VOL+, Squelch level +	Increase volume or Squelch level
8	MT/SET	Mute, Menu, Lock key
9	PTT	Transmitting
10	SQ, ASQ	SQ/ASQ switch
11	POW	Power key
12	UP	Channel UP
13	DN	Channel down
14	TX indicator	
15	RX indicator	
16	LCD	
17	Ext MIC/SP jack	
18	Ext remote PTT cable jack	
19	Mike	
20	Speaker	

■ HOW TO USE THIS RADIO

⚡ Power on radio

1. Press **POW** key to turn on the radio.

When the radio is on, hold **POW** key until the LCD light is off and then release **POW** key, the radio will power off.

2. Adjust squelch level until you can hear background noise, refer to Page 7 for Squelch level setup.
3. Adjust volume level to the desired level, refer to Page 7 regarding Volume level setup.

⚡ Automatic Power on

1. Short Press **FUNC FREQ** key, F Icon appear and flashes.
2. Short Press **MT/SET** key to enter Menu.
3. Repeatedly short press **FUNC FREQ** key until LCD displays **POR: XXX**
4. Press **UP** or **DN** to choose POR: ON.
5. Short press any other key to confirm and exit.

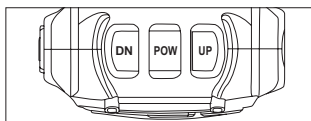


POR: ON

Repeat the above operation will turn off Automatic power on.

⚡ Channel control

1. Short Press **UP** or **DN** key to choose the desired channel.
2. Hold **UP** or **DN** key to choose channels faster.




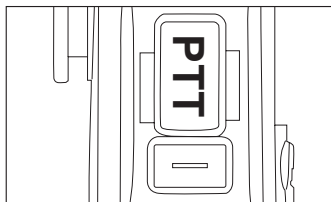
⚡ Choose Norms





1. Short Press **FUNC FREQ** key, F Icon appear and flashes.
2. Short Press **MT/SET** key to enter Menu.
3. Repeatedly short press **FUNC FREQ** key until LCD displays **BAND: XXX**
4. Press **UP** or **DN** to choose the norms
5. Short press any other key to confirm and exit.

BAND: HD



✘ Volume control (1-56 levels, Default level 54)

1. Press  SQ/VOL key repeatedly, until LCD display **VOL: XX**
XX stands for volume level.










2. Short Press  or  key to choose wanted volume level.
3. Hold  quickly increase volume level, hold  will quickly decrease volume level.

✘ Mute Function

1. Short press  will quickly mute the speaker, and LCD displays **VOL:MT**
2. Press  again, the volume will resume to previous volume level setting.




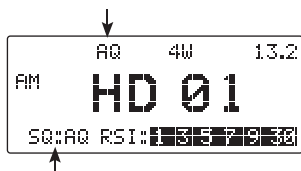
✘ Squelch control (1-28 Levels, Default Level 6)

1. Choose a channel which is not busy.
2. Short Press  SQ/VOL key repeatedly until LCD displays **SQ: XX**
XX stands for Squelch level.
3. Short press  or  key to choose desired squelch level.
4. Hold  or  results in faster adjustment of squelch level.
5. Short press  key until the noise just appears, then short press  until the noise just disappears the squelch level setup is done.
The higher the squelch level selected, the stronger signal required to open the speaker and hear.



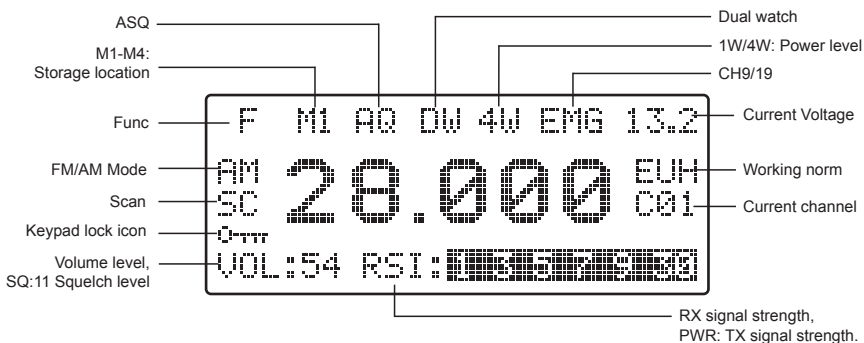
✘ ASQ control

1. Hold  SQ/VOL key until the LCD displays AQ.
The ASQ function was turn on.
2. Repeat above function will switch between SQ and ASQ, in ASQ mode, SQ squelch level setup menu will disappear and LCD displays **SQ : AQ**




✘ LCD display

Dot matrix LCD display for channel number, frequency and operations.



- 2 Digits for display of channel number and Norms
- 5 Digits for display of frequency and Norms

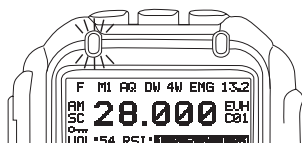
✘ AM/FM mode

1. Short press  key to switch between AM/FM mode.
2. Corresponding mode will displayed in the LCD.



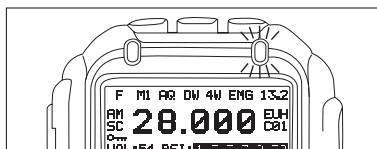
✘ Transmitting

1. Hold [PTT] key, TX LED light will turn red.
2. Hold the microphone about .75" away from your mouth and speak in a normal tone.
3. Release [PTT] the radio turn to RX mode TX LED indicator light will off.








✘ Receiving

The radio will stay in RX mode when it is not transmitting, the RX LED indicator light will on.








✘ Time Out Timer

1. Short Press  key, F Icon appear and flashes.
2. Short Press  key to enter Menu.
3. Repeatedly short press  key until LCD displays **TOT: XXXX**
4. Press  or  to adjust the TOT time.
5. Short press any other key to confirm and exit.



TOT:3005






✘ LCD color

1. Short Press  key, F Icon appear and flashes.
2. Short Press  key to enter Menu.
3. Repeatedly short press  key until LCD displays **COL: X**
4. Press  or  to choose the color.
5. Short press any other key to confirm and exit.



COL:1




✘ Beep Prompt

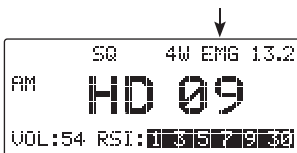
1. Short Press  key, F Icon appear and flashes.
2. Short Press  key to enter Menu.
3. Repeatedly press  key until LCD displays **BEEP: XX**
4. Press  or  to choose ON or OFF.
5. Short press any other key to confirm and exit.



BEEP:ON

✘ EMG channel

1. First short press  will choose CH9, the LCD displays EMG Icon.
2. Short pressing again  will choose CH19.
3. Third short press of  will resume to last non EMG channel.



SQ 4W EMG 13.2
AM HD 09
VOL:54 RSI:1 3 5 7 9 30





SQ 4W 13.2
AM HD 19
VOL:54 RSI:1 3 5 7 9 30





SQ 4W 13.2
AM HD 01
VOL:54 RSI:1 3 5 7 9 30

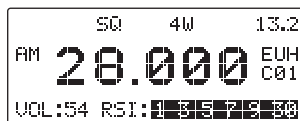
✘ Keypad lock

1. To avoid wrong operation of keys, you can hold  key to lock the keypad.
2. The LCD displays .
3. Repeat the above function to unlock the keypad.




✘ Frequency mode

1. Hold  for over 5 seconds, the display will change to frequency mode.
2. Repeat hold  for over 5 seconds, the display will change to channel mode.



✘ Scan

1. Set SQ or ASQ firstly.
2. Short press  key to start scanning the LCD displays SC.
3. Press any key to stop scan, SC disappear.




✘ Memory channel

In each band, you can store 4 channels into M1, M2, M3, M4 for fast selection.

1. Choose the channel to be stored
2. Hold the memory key (M1, M2, M3, M4) to store it.
3. The corresponding memory channel will show on LCD, the storage is done.











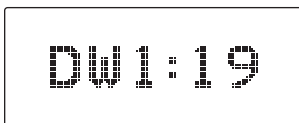
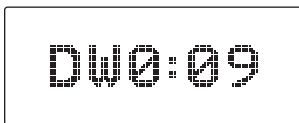
✘ Using Memory Channel

1. Short press  key F appears in LCD and flashes.
2. Short press the memory key (M1, M2 ,M3, M4)
3. F disappears, the memory channel you chose will display in LCD.


✘ DW channels

Two channels need be pre-stored for dual watch function.

1. Short Press  key, F Icon appear and flashes.
2. Short Press  key to enter Menu.
3. Repeatedly short press  key until LCD displays **DW0: XX**
4. Press  or  to choose first channel for DW.
5. Repeatedly short press  key until LCD displays **DW1: XX**
6. Press  or  to choose second channel for DW.
7. Short press any other key to confirm and exit.








✘ Using DW function

1. Short press  key, the DW flashes in LCD, the radio enter Dual watch mode.



✘ Factory reset

1. Hold  to Power off radio.
2. Hold  key, then press  key and hold  key until LCD displays **RE S**.
3. Release , the radio reset to factory default and automatically powered off.



■ Specification

GENERAL		
Modulation Mode	AM/FM	
Frequency Range	28.000-29.700Mhz	
Frequency Tolerance	0.005%	
Input Voltage	13.2V	
Dimensions(in mm)	112mm(L) x 143mm(W) X 30mm (H)	
Weight	785g	
Ferquency Control	PLL Synthesizer	
Operating Temperature Range	-20° C TO + 55° C	
Current Drain	Transmit	1.4A MAX
	Receive	Squelched 0.4A
	VOL Max	1.3A
Antenna Connector	UHF,SO-239	
TRANSMITTER		
Power Output	4/8W	
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	60 dB	
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	2Watts	
Frequency Response	300-3000Hz	

