Stryker
SR-89MC

New!
Big Performance
Small Package!

USER'S MANUAL
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 installation 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.
Install 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 headphone 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

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<td>19</td>
<td>Mike</td>
</tr>
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<td>20</td>
<td>Speaker</td>
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</table>
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 key, F Icon appear and flashes.
2. Short Press SET key to enter Menu.
3. Repeatedly short press 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.

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 key, F Icon appear and flashes.
2. Short Press SET key to enter Menu.
3. Repeatedly short press 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.
** 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 VOL+ or VOL- key to choose wanted volume level.
3. Hold VOL+ quickly increase volume level, hold VOL- will quickly decrease volume level.

** Mute Function
1. Short press SET will quickly mute the speaker, and LCD displays VOL:MT
2. Press SET 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 VOL+ or VOL- key to choose desired squelch level.
4. Hold VOL+ or VOL- results in faster adjustment of squelch level.
5. Short press VOL- key until the noise just appears, then short press VOL+ 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 AM/FM 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 \( \text{Func} \) key, F Icon appear and flashes.
2. Short Press \( \text{Mic/ST} \) key to enter Menu.
3. Repeatedly short press \( \text{Func} \) key until LCD displays \( \text{TOT: XXXX} \)
4. Press \( \text{UP} \) or \( \text{DN} \) to adjust the TOT time.
5. Short press any other key to confirm and exit.

**LCD color**

1. Short Press \( \text{Func} \) key, F Icon appear and flashes.
2. Short Press \( \text{Mic/ST} \) key to enter Menu.
3. Repeatedly short press \( \text{Func} \) key until LCD displays \( \text{COL: X} \)
4. Press \( \text{UP} \) or \( \text{DN} \) to choose the color.
5. Short press any other key to confirm and exit.

**Beep Prompt**

1. Short Press \( \text{Func} \) key, F Icon appear and flashes.
2. Short Press \( \text{Mic/ST} \) key to enter Menu.
3. Repeatedly press \( \text{Func} \) key until LCD displays \( \text{BEEP: XX} \)
4. Press \( \text{UP} \) or \( \text{DN} \) to choose ON or OFF.
5. Short press any other key to confirm and exit.

**EMG channel**

1. First short press \( \text{Func} \) will choose CH9, the LCD displays EMG Icon.
2. Short pressing again \( \text{Func} \) will choose CH19.
3. Third short press of \( \text{Func} \) will resume to last non EMG channel.
Keypad lock

1. To avoid wrong operation of keys, you can hold the 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 UP or DN to choose first channel for DW.

5. Repeatedly short press key until LCD displays DW1: XX

6. Press UP or DN 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 key to Power off radio.

2. Hold key, then press key and hold key until LCD displays RES.

3. Release , the radio reset to factory defualt and automatically powered off.
## Specification

<table>
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<th>GENERAL</th>
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<tr>
<td>Modulation Mode</td>
<td>AM/FM</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>28.000-29.700Mhz</td>
</tr>
<tr>
<td>Frequency Tolerance</td>
<td>0.005%</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>13.2V</td>
</tr>
<tr>
<td>Dimensions(in mm)</td>
<td>112mm(L) x 143mm(W) X 30mm (H)</td>
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<tr>
<td>Weight</td>
<td>785g</td>
</tr>
<tr>
<td>Frequency Control</td>
<td>PLL Synthesizer</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-20° C TO + 55° C</td>
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<tr>
<td>Current Drain</td>
<td></td>
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<tr>
<td>Transmit</td>
<td>1.4A MAX</td>
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<tr>
<td>Receive</td>
<td>Squelched 0.4A</td>
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<td>VOL Max</td>
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<td>Antenna Connector</td>
<td>UHF,SO-239</td>
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### TRANSMITTER

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<tr>
<td>Power Output</td>
<td>4/8W</td>
</tr>
<tr>
<td>Transmission interference</td>
<td>inferior to 4nW(-54dBm)</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>300-3000Hz</td>
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<tr>
<td>Modulated signal distortion</td>
<td>inferior to 5%</td>
</tr>
<tr>
<td>Output Impedance</td>
<td>50 ohms</td>
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### RECEIVER

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<tr>
<td>Sensitivity</td>
<td>Less than 1uV for 10dB(S+N)/N</td>
</tr>
<tr>
<td>Image Rejection</td>
<td>70dB</td>
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<tr>
<td>Adjacent Channel Rejection</td>
<td>60 dB</td>
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<td>IF Frequencies</td>
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<tr>
<td>1st</td>
<td>10.695MHz</td>
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<td>2nd</td>
<td>455KHz</td>
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<tr>
<td>Automatic Gain Control(AGC)</td>
<td>Less than 10dB change in audio</td>
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<tr>
<td>Output for inputs from 10 to 50000uV</td>
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<tr>
<td>Squelch</td>
<td>less than 1uV</td>
</tr>
<tr>
<td>Audio Output Power</td>
<td>2Watts</td>
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<tr>
<td>Frequency Response</td>
<td>300-3000Hz</td>
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