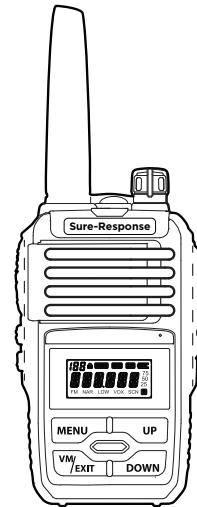




**Sure-Response**

Sure-Response, Inc.



# ***Portable FM Transceiver SR-3***

***User's Manual***

## ❑ INSTRUCTIONS BEFORE USE

- Use of transceiver without antenna properly installed poses risk of electric shock.
- Do not use transceiver in the proximity of explosive substances or compounds
- Turn off transceiver in proximity of fuel stations or when refueling.
- Do not modify, adjust, or disassemble the transceiver.
- Do not expose transceiver to prolonged direct sunlight or intense heat.
- Do not use transceiver in excessively dusty, damp, or wet environments.
- Transceiver repairs should be completed only by an authorized repair technician.
- If the transceiver emits a burning smell or visible smoke, turn off the transceiver immediately, remove the battery pack, then contact your supplier.

### **Safety:**

It is very important for the user to know and recognize the general danger of using the radio.

## ❑ MAIN FEATURES

- 26 programmable radio channels
- CTCSS/CDCSS tones
- 2-tone functionality
- FM radio tuner (87-108MHz range, 0.1MHz tuning)
- Emergency Alarm Broadcast
- ANI and DTMF Function
- Two programmable quick-function keys
- VOX headset compatibility
- Optional English Voice prompt
- 1750hz
- Radio-to-radio wired cloning (with compatible cloning cable)

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# PREPARATION

## ► ACCESSORIES

Carefully remove radio and accessories from the box. Verify the contents as described below before discarding any packaging.

### ❑ Supplied Accessories

Item	Qty.
Radio	1
Antenna	1
Li-ion Battery Pack 3.7V	1
Charger /Adapter	1
Belt Clip	1
User Manual	1
Strap	1

## ► CHARGING INSTRUCTION

A note on battery charge level:

- The included battery does not come

fully charged from the manufacturer. Charge the battery fully before using the radio for the first time, or after removing the radio from long term storage (more than 2 months.) Failure to fully charge battery before usage can affect overall battery lifespan and performance.

- Turn off radio before charging battery. Using radio while battery is charging could result in damage to radio, and degrade overall battery performance and lifespan.
- When time to charge battery begins to increase in duration, or battery no longer holds charge for sufficient duration of use, replace battery.
- Approximate run time of included battery

pack is ~13 hours. This is based on a standard 5/5/90 duty cycle (5% transmit, 5% receive, 90% idle)

### ⚠ CAUTION

- Do not leave fully charged battery on charger for extended duration. This can degrade battery lifespan or cause damage.
- Remove fully charged battery from charging cup.
- Do not intentionally short battery terminals or dispose battery in fire.

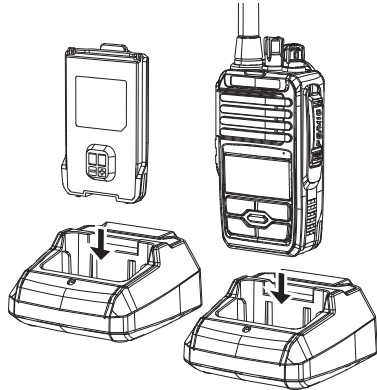
## ► CHARGE STEPS

Plug the charger into a 120V power outlet. The indicator LED will turn green when ready to charge.

Insert individual battery or radio with installed battery into charger (as illustrated.)

The indicator LED will flash red during the charging process.

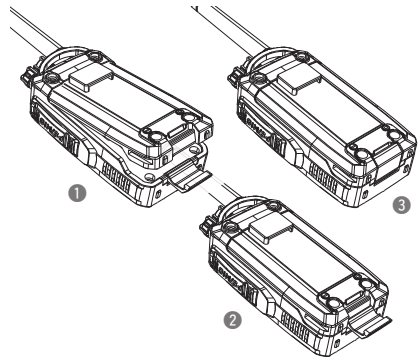
The battery is fully charged when the indicator LED flashes green.



## ► INSTALL/REMOVE BATTERY PACK

To install the battery pack, align the battery with the aluminum frame of the radio backing, then insert the top end of the battery

first. Seat the bottom edge of the battery then close locking clamp with a firm click. To remove battery, turn off radio power, open locking clamp, and slide battery downwards and outwards.



### ► INSTALL ANTENNA

To install antenna, insert antenna connector into top of radio and twist clockwise until firmly seated. Do not over-tighten antenna.

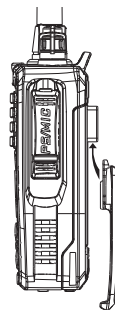


#### ⚠ NOTE

Do not use antenna as carrying handle. This can damage the antenna and degrade radio performance.

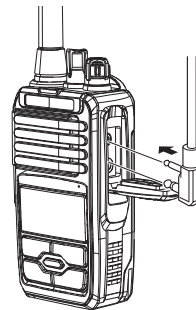
### ► INSTALL BELT CLIP

Insert belt clip into receptical on back of battery and push upwards until firmly locked in place.



### ► INSTALLING THE OPTIONAL HEADSET

Gently open rubber headset cover. Correctly orient and insert headset plug into connecting port until firmly seated

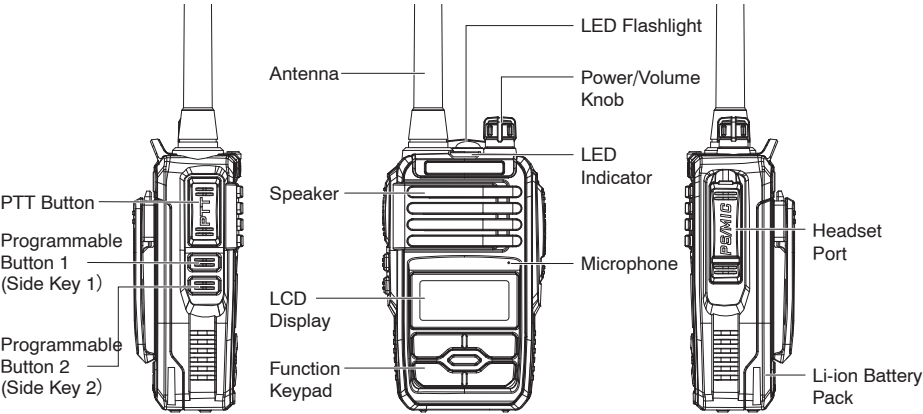


#### ⚠ NOTE

Headset port is not for charging radio. Improper usage can result in equipment damage.

# GETTING STARTED

## ► DESCRIPTION OF TRANSCEIVER



## ► LCD DISPLAY

The LCD display shows a variety of radio modes and settings. They are described below

	<b>CT</b>	CTCSS Tone Mode
	<b>DCS</b>	CDCSS Tone Mode
	<b>VOX</b>	VOX Function Enabled
	<b>NAR</b>	Narrow Band Function Enabled
		Battery Capacity Display
	<b>188</b>	Channel Number
		Channel Name / Menu Display
		Keypad Lock Enabled
	<b>75 50 25</b>	Frequency Stepping Indicator
	<b>LOW</b>	Low Transmit Power Mode Enabled
	<b>SCN</b>	Channel Scan Mode Enabled

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## BASIC OPERATION

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### ► SHORTCUT OPERATION

#### ❑ PTT

- Push **[PTT]** and speak to microphone to transmit. Release **[PTT]** when finished.  
Radio cannot receive while **[PTT]** is held.

#### ❑ Programmable Side Keys

- **[Side Key 1]** and **[Side Key 2]** are pre-programmed by radio dealer to specific functions at customer request.  
Each key has a short-press function and a long-hold-press function.

#### ❑ Function Keypad

- **[MENU]**: Short press **[MENU]** to access radio settings. While navigating settings, **[MENU]** serves as forward/enter to select options.
- **[UP]** / **[DOWN]**: Channel up/down. In radio menu, navigates between settings.
- **[V/M | EXIT]**: Press this key to exit menu and setting levels.

#### ❑ Power Switch/Volume Control

- Turn knob clockwise to power on radio.  
Turn knob counter-clockwise until knob clicks and stops to power off radio.

- While radio is powered on, turn knob clockwise to increase speaker volume, and counter-clockwise to decrease volume.

#### ❑ LED Indicator

- Red light flashing when transmitting
- Light light flashing when receiving

#### ❑ Headset Connector Port

- Used for optional headset connector
- Used by radio dealer to program radio
- Used for radio-to-radio cloning with optional cloning cable.

## MENU NAVIGATION

1. Press **[MENU]**: opens the main radio settings menu
2. Press **[MENU]**: selects individual menu section
3. Press **[UP]** or **[DOWN]**: navigate menu and adjust individual setting
4. Press **[MENU]** to confirm setting
5. Press **[V/M | EXIT]** to exit menu

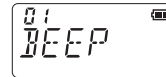
## FUNCTION OPERATION AND INSTRUCTION

### ► BEEP PROMPT (BEEP)

This setting controls whether or not the radio plays an audible beep on most key presses.

#### Configuration steps:

1. Press **[MENU]**
2. Press the **[UP]** or
3. **[DOWN]**, choose Beep
4. Then press **[MENU]** again to select menu option, then press **[UP]** or **[DOWN]** again to choose ON or OFF
5. Finally press **[MENU]** again to confirm, press **[V/M | EXIT]** to exit menu

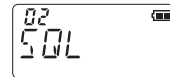


### ► SQUELCH LEVEL SETTING (SQL)

This setting controls the squelch level of the radio.

#### Configuration steps:

1. Press **[MENU]**
2. Press the **[UP]** or **[DOWN]**, choose SQL
3. Then press **[MENU]** again to select menu option, then press **[UP]** or **[DOWN]** again to choose setting from 0 to 9. 0 is the lowest level, and 9 is the highest level;
4. Finally press **[MENU]** again to confirm, then press **[V/M | EXIT]** to exit menu.





⚠ **NOTE**

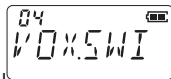
Incorrect squelch setting can degrade radio reception. Too low of a setting can subject radio to interference, too high a setting can limit signal reception. We recommend a setting of 3-5 for most usages cases.

► **VOX FUNCTION SETTING (VOX.SWI)**

This setting controls voice-activated transmission functionality when paired with a compatible headset. With VOX mode enabled, the [PTT] button is not required

**Configuration steps:**

1. Press **[MENU]**
2. Press **[UP]** or **[DOWN]** choose VOX.SWI menu option as displayed
3. Then press **[MENU]** again to select menu option, then press **[UP]** or **[DOWN]** again to choose VOX sensitivity



level. "OFF" is disabled VOX, 10 is lowest sensitivity, 1 is highest sensitivity.

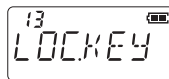
4. Finally press **[MENU]** again to confirm, press **[V/M | EXIT]** to exit menu

► **KEYPAD LOCK (LOC.KEY)**

The front keypad of the radio can be locked to prevent accidental input. When locked, a "🔒" symbol appears on the display.

**Configuration steps:**

1. Press **[MENU]**
  2. Press **[UP]** or **[DOWN]**, choose LOC.KEY menu option as displayed
  3. Then press **[MENU]** again to select menu option, then press **[UP]** or **[DOWN]** to choose desired method of keypad locking.
- There are three different methods:



MANU: Manual locking only.

AT 5/10/20/30: This mode sets a lockout timer that only takes place once.

ATS 5/10/20/30: This mode sets a persistent lockout timer that is saved for continued use until disabled.

4. Finally press **[MENU]** again to confirm, press **[V/M | EXIT]** to exit menu

► **SCAN START (SCAN)**

This setting enables or disables multi-channel scan mode.

**Configuration steps:**

1. Press **[MENU]**
2. Press **[UP]** or **[DOWN]** Choose SCAN menu option as displayed
3. Then press **[MENU]** again to enable scan mode
4. Finally press **[MENU]** again to confirm, press **[V/M | EXIT]** to exit menu



► **MANUALLY LOCK/UNLOCK KEYPAD**

The front keypad of the radio can quickly be locked or unlocked without the menu.

**Configuration steps:**

1. Press and hold **[V/M | EXIT]** for 1.5 seconds. The keypad will lock and LCD display will show "🔒"
2. To unlock the keypad, press and hold **[V/M | EXIT]** for 1.5 seconds. The keypad will unlock.

► **FLASHLIGHT**

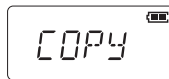
This radio includes an LED flashlight for emergency usage. By default, short-pressing **[Side Key 1]** toggles this light on and off. Your specific programming needs may have this function removed or assigned to a different button. Contact your radio dealer for additional information on this feature.

## ► WIRED RADIO CLONING

This radio is capable of radio-to-radio cloning using optional clone cable

### Cloning Instructions:

- 1.Connect radio used as clone source, and radio to be cloned onto, using clone cable;
- 2.Press **[MENU]** and **[PTT]** to turn on transceiver. Display should read "COPY"
- 3.Press **[MENU]** again. Indicator LED on source radio will flash red. Indicator LED on receiving radio will flash green.
- 4.When indicator LEDs on both radios go out, clone is complete. Radio will self-restart.



### FCC Statement:

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The highest SAR value reported under this standard during product certification for use at the head is 0.805 W/kg and when properly worn the the body is 1.169W/kg, This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm. must be maintained between the user's body and the interphone,including the antenna. Third-party belt-clips, holsters and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

- Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), press the Push-to-Talk (PTT) key. To receive calls, release the [PTT] key. Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy only when transmitting (in terms of measuring for standards compliance).
- Keep the radio unit at least 2.5cm away from the face. Keeping the radio at the proper distance is important as RF exposure decreases with distance from the antenna. The antenna should be kept away from the face and eyes.