

*Thank you*  
For Purchasing A Stryker Radio !



<http://www.StrykerRadios.com>  
PH: 1-910-221-1086

# STRYKER

# SR440-HP

**AM/FM ALL MODES**

**10 Meter HF Amateur Mobile Transceiver**

**USER'S MANUAL**

**READ THIS MANUAL BEFORE OPERATION**

## INSTALLATION CONTINUATION

### Electrical Connections

The Stryker SR440-HP is designed to work on any 13.8volt DC, negative ground electrical source. The condition of a vehicle's electrical system can have a profound effect on the performance of the radio. A low battery, worn generator/alternator, or poor voltage regulator will seriously impair the performance of the transceiver. Any of the above conditions could result in a high level of receiver noise generation or a substantial loss of the transmitter's RF output. Make sure that all of these components of your vehicle's electrical system are in good condition prior to installing the transceiver.

### **CAUTION! VOLTAGE EXCEEDING 15 VDC WILL DAMAGE THE RADIO. MEASURE VOLTAGE AT BATTERY TERMINALS, WITH VEHICLE RUNNING, PRIOR TO INSTALLATION!**

Before making any electrical connections make sure the volume (VOL) control is in the "OFF" position. Connect the positive (+) red wire of the DC power cord to a positive 13.8-volt source at the vehicle fuse block. If connecting to the fuse block, it is recommended that a switched power source be used so that the power to the transceiver is disconnected when the vehicle is off. This will eliminate the possibility of the transceiver draining the vehicle's battery.

Connect the negative (-) black wire to a metal part of the vehicle's frame, or chassis ground. **Make sure that this is a good ground connection.**

The Stryker SR440-HP power cord may also be connected directly to the battery. Connecting directly to the battery has several benefits, the first of which is to maximize RF output. Secondly, the battery is a very large capacitor and will help eliminate certain types of ambient and vehicle noise. If connecting directly to the vehicle's battery, additional power cable may be required. On runs of 8 feet or less use 14-gauge stranded wire. Use 12-gauge wire on longer runs.

### Antenna Connections

The Stryker SR440-HP has a jack in the rear for a standard PL-259 antenna plug. If you are looking for the most range for your transmission, use a vertically polarized, quarter-wave length antenna. If antenna height is a problem, you may use a shorter, loaded-type whip antenna although you can expect some loss of transmission range. To improve performance, your antenna should be matched to your radio. Your antenna can be adjusted so that it matches your radio. To adjust your antenna for best performance you must use a SWR meter, these can be purchased separately for at little as \$12.95 from various retailers. Failure to properly adjust your antenna(s) will diminish your operational range and could result in damage to your radio.

### 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've designed your radio for optimal performance and durability. Disabling these devices could damage your radio and potentially void your factory warranty.

For further service information please visit [www.StrykerRadios.com](http://www.StrykerRadios.com)

## INTRODUCTION

Congratulations on your purchase of a Stryker SR-440HP 10 meter mobile amateur transceiver. Your Stryker SR-440HP 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 one (1) year from the original date of purchase. 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 our website: [www.StrykerRadios.com](http://www.StrykerRadios.com) to obtain an RA number or call 910-221-1086 between the hours of 10 a.m. – 5 p.m. eastern standard time.

## 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.

## INSTALLATION

### 1. Contents

Unpack and inspect your Stryker SR-440HP for missing or damaged components.

<u>Quantity</u>	<u>Description</u>
1	Stryker SR-440HP Transceiver
1	Microphone
1	DC Power Cord with Inline Fuse
1	Mounting Bracket with Hardware
1	Microphone Hanger with Hardware Set

## OPERATION GUIDE

## SR440-HP 10 Meter HF Amateur Mobile Transceiver

### FUNCTIONS & CONTROLS

- 1 LED READOUT** Displays current channel.
- 2 CH SWITCH** Selects ascending channels, rotates clockwise direction and inverts for descending channels.
- 3 DIM SWITCH** Selects three stages backlight level Hi, Mid and Lo.
- 4 NB+ANL** Selects NB, removes noise spikes. Selects NB+ reduces AF distortion at strong signals from antenna.
- 5 ROGER BEEP** Selects position 1 for one beep tone and position 2 for two beep tones send, and selects OFF disable all available beep tones functions.
- 6 MODE SWITCH** Rotates to Selects desired operation mode AM/FM and PA.
- 7 BAND SWITCH** Selects available band from A to H 8 bands.
- 8 TX MON** Controls talkback monitoring volume for TX voice message sending.
- 9 TX POWER** Controls variable RF power output.
- 10 METER** Large analog meter with 2 scales Rx signal in 60dB max., and Tx power output max. 50W.

- 11 10KHz SWITCH** Pushes ON, added 10KHz above on the operating channel frequency. Pushes OFF, resume at normal channel frequency.
- 12 TONE VOL** Turns to [+] increases tone level.
- 13 TONE DEL.** Turns to [+] increases tone pitch.
- 14 MIC. GAIN** Adjusts to [+] increases mike input sensitivity.
- 15 RX GAIN** FOR OPTIMUM RECEPTION, turns to [+] gain] in weak signal areas, and [-gain] in strong signal areas.
- 16 VOL. CONTROL** Turns Radio Power ON/OFF & adjusts Speaker Volume.
- 17 SQL. CONTROL** Reduces background noise set at threshold. For proper adjusts when no incoming signals.
- 18 MIC. CONNECTOR** Accepts 4 pin female microphone plug.
- 19 AWI FLASHER** Flash indicates ANT problems.
- 20 DYNAMIC MIC** Speaks with normal voice 2 inches apart from this dynamic mike for optimum speech sending.

