

## Stryker SR-955HPC

# Stryker SR-955HPC 10 Meter Amateur Radio User Manual

Model: SR-955HPC



## 1. INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your Stryker SR-955HPC 10 Meter Amateur Radio. The SR-955HPC is designed for high-quality AM/FM/SSB communication, offering enhanced durability and advanced features for optimal performance.

Key features of the SR-955HPC include:

- SSB Radio with stable frequency, preventing drift.
- 8-color LED-backlit faceplate with 32-position dimmer control.
- High power output of 60+ watts PEP.
- Variable talkback control.
- Digital Echo with dual front-mounted controls.
- Six programmable Roger Beeps.
- Advanced Noise Reduction utilizing digital signal processing to reduce receiver noise in crowded airwaves.
- PC Programmable with included USB Cable.
- Rock Solid Frequency Stability, eliminating drift on SSB.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Stryker SR-955HPC Transceiver
- Microphone
- Power Cord
- Mounting bracket with side knobs
- USB Cable
- User Manual (this document)

## 3. SETUP

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Proper setup is crucial for optimal performance and safety. Follow these steps carefully:

### 3.1 Mounting the Transceiver

Select a stable and secure location for mounting the SR-955HPC. Ensure adequate ventilation around the unit to prevent overheating. Use the provided mounting bracket and side knobs to secure the transceiver.

Consider the following:

- Avoid locations exposed to direct sunlight or excessive heat.
- Ensure easy access to front panel controls and rear connections.
- For mobile installations, ensure the mounting is robust enough to withstand vehicle movement.

### 3.2 Power Connection

Connect the supplied power cord to the DC 13.8V input on the rear of the transceiver. Connect the other end to a stable 13.8V DC power source capable of supplying sufficient current (typically 20-25A for full power operation). Observe correct polarity: red for positive (+), black for negative (-).

### 3.3 Antenna Connection

Connect a suitable 10-meter amateur radio antenna to the SO-239 connector on the rear of the transceiver. Use high-quality coaxial cable with appropriate connectors. Ensure the antenna system is properly tuned for the operating frequency to minimize SWR (Standing Wave Ratio) and prevent damage to the transceiver.

### 3.4 Microphone Connection

Plug the microphone into the 4-pin microphone jack on the front panel of the transceiver.

### 3.5 PC Connection (Optional)

For PC programming, connect the supplied USB cable from the transceiver's USB port to your computer. Install the necessary drivers and software from the Stryker website for advanced customization of radio parameters.

## 4. OPERATING INSTRUCTIONS

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Familiarize yourself with the controls and functions of the SR-955HPC for effective communication.

### 4.1 Front Panel Controls and Indicators



Figure 4.1: Front view of the Stryker SR-955HPC with green display, showing the main controls and display panel.



Figure 4.2: Front view of the Stryker SR-955HPC with red display, highlighting the multi-color LED backlight feature.



Figure 4.3: Front view of the Stryker SR-955HPC with blue display, demonstrating another customizable backlight option.

#### **Power/Volume Control:**

Rotate clockwise to turn the unit ON and adjust the audio output level.

#### **Squelch Control:**

Adjusts the receiver's squelch level to eliminate background noise when no signal is present. Rotate clockwise until the noise disappears.

#### **Mode Selector (AM/FM/SSB):**

Selects the desired operating mode: Amplitude Modulation (AM), Frequency Modulation (FM), or Single Sideband (SSB - LSB/USB).

#### **Frequency/Channel Selector:**

Used to select the operating frequency or channel. The large knob on the right is for frequency tuning.

#### **Dimmer Control:**

Adjusts the brightness of the 8-color LED-backlit faceplate. Offers 32 positions for precise control.

#### **Noise Blanker (NB) / Automatic Noise Limiter (ANL):**

Activates noise reduction features to suppress impulse noise (NB) and continuous noise (ANL).

#### **Digital Echo / Roger Beep:**

Controls the digital echo effect and activates one of the six programmable Roger Beeps. Dual front-mounted controls allow fine-tuning of the echo.

### Talkback Control:

Adjusts the level of your own voice heard through the speaker during transmission, allowing you to monitor your modulation.

### PC Programmable:

The radio can be connected to a PC via the included USB cable for advanced programming of settings and features.

## 4.2 Basic Operation

1. **Power On:** Rotate the VOL/SQ knob clockwise to turn on the radio.
2. **Adjust Volume:** Continue rotating the VOL/SQ knob to set a comfortable listening volume.
3. **Set Squelch:** Rotate the SQ knob clockwise until the background noise disappears. This mutes the receiver until a signal strong enough to break the squelch is received.
4. **Select Mode:** Use the mode selector switch to choose between AM, FM, LSB, or USB.
5. **Tune Frequency:** Use the large FREQUENCY knob to select the desired operating frequency. The digital display will show the current frequency.
6. **Transmit:** Press the Push-To-Talk (PTT) button on the microphone to transmit. Speak clearly into the microphone. Release the PTT button to receive.
7. **Monitor SWR:** The front panel meter displays SWR (Standing Wave Ratio). Ensure SWR is low for efficient transmission and to protect the radio.

## 4.3 Advanced Features

### Advanced Noise Reduction:

The SR-955HPC features advanced digital signal processing (DSP) for noise reduction. This system measures, filters, or compresses continuous analog signals to reduce receiver noise, which is particularly useful in crowded airwave conditions.

### PC Programming:

Utilize the included USB cable and software (available from Stryker's official website) to customize various radio parameters, including channel frequencies, Roger Beeps, and other operational settings. This allows for fine-tuning the radio to your specific preferences and operating environment.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your SR-955HPC.

### 5.1 Cleaning

- Use a soft, dry cloth to clean the exterior of the transceiver.
- Do not use abrasive cleaners, solvents, or strong chemicals, as these can damage the finish or internal components.
- Keep the display screen clean and free of dust for clear readability.

### 5.2 Environmental Considerations

- Avoid exposing the radio to extreme temperatures, high humidity, or direct moisture. While the unit is water-resistant, it is not waterproof.
- Ensure proper ventilation to prevent heat buildup, especially during prolonged operation.

### 5.3 Antenna System Check

Periodically check your antenna and coaxial cable for any signs of wear, damage, or corrosion. A damaged antenna system can lead to poor performance and potential damage to the transceiver.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your SR-955HPC. For problems not listed here, contact Stryker customer support.

Problem	Possible Cause	Solution
No Power	Loose power connection, blown fuse, incorrect voltage.	Check power cord connections. Verify power source voltage. Inspect and replace fuse if necessary.
No Reception / Weak Signals	Squelch set too high, antenna disconnected or damaged, incorrect mode selected.	Lower squelch level. Check antenna connection and condition. Ensure correct operating mode (AM/FM/SSB).
Poor Transmit Audio	Microphone issue, incorrect microphone gain, antenna SWR too high.	Ensure microphone is securely connected. Adjust microphone gain. Check antenna SWR and tune if needed.
Frequency Drift on SSB	Not applicable for SR-955HPC.	The SR-955HPC is designed with rock-solid frequency stability and should not experience drift on SSB. If observed, contact support.
Excessive Noise	ANL/NB not active, external electrical interference.	Activate ANL and NB functions. Identify and mitigate sources of electrical interference (e.g., vehicle ignition, power lines).

## 7. SPECIFICATIONS

Feature	Description
Brand	Stryker
Model Number	SR-955HPC
Product Dimensions	17"D x 9.5"W x 3"H (or 16.5 x 3 x 16.5 inches)
Item Weight	6.74 pounds
Color	Black
Number of Channels	10
Frequency Range	530 kHz - 30 MHz
Talking Range Maximum	10 Meters
Tuner Technology	AM/FM/SSB
Voltage	12 Volts

Feature	Description
Water Resistance Level	Water Resistant
Special Features	Noise Reduction, PC Programmable, Digital Echo, Automatic Squelch, Noise Filter, Warranty

## 8. WARRANTY AND SUPPORT

### 8.1 Manufacturer's Warranty

The Stryker SR-955HPC comes with a **3 Year Limited Manufacturer's Warranty**. This warranty covers defects in materials and workmanship under normal use.

**Legal Disclaimer:** 10 Meter Radios come with a warranty from their respective manufacturer. Returns are not accepted by HKtronikz, but should be handled by their respective warranty center.

For warranty claims or technical support, please contact Stryker directly through their official website or authorized service centers. Keep your proof of purchase for warranty validation.




### 8.2 Customer Support


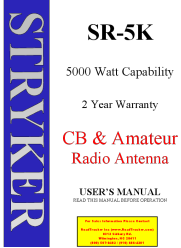

For further assistance, frequently asked questions, or to download the latest software and drivers for PC programming, please visit the official Stryker website.



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### Related Documents - SR-955HPC

	<a href="#">Stryker SR-655HPC 10 Meter Amateur Mobile Transceiver User Manual</a> Comprehensive user manual for the Stryker SR-655HPC 10 Meter Amateur Mobile Transceiver, detailing installation, operation, features, and programming.
	<a href="#">Stryker SR-655HPC+ 10 Meter Amateur Mobile Transceiver User Manual</a> User manual for the Stryker SR-655HPC+ 10 Meter Amateur Mobile Transceiver, covering installation, operation, features, and programming. Includes setup, troubleshooting, and warranty information.
	<a href="#">Stryker SR-94HPC 10 Meter Amateur Radio User Manual</a> Comprehensive user manual for the Stryker SR-94HPC 10 Meter Amateur Radio, covering features, installation, operation, and specifications. Learn how to set up and use your radio for optimal performance.

	<p><a href="#">Stryker SR-89MC 10 Meter Radio User Manual</a></p> <p>User manual for the Stryker SR-89MC 10 Meter Radio, covering features, installation, operation, and specifications.</p>
	<p><a href="#">Stryker SR-5K CB &amp; Amateur Radio Antenna User Manual</a></p> <p>User manual for the Stryker SR-5K CB &amp; Amateur Radio Antenna, detailing installation, features, SWR adjustment, and warranty information. Features 5000 Watt capability and a 2-year limited warranty.</p>
	<p><a href="#">Stryker Secure Connect Operations and Maintenance Manual</a></p> <p>This manual provides comprehensive guidance on the operation and maintenance of the Stryker Secure Connect, a cable-free nurse call solution designed for patient-nurse communication. It details installation procedures, operational functions, preventive maintenance, cleaning protocols, safety warnings, and technical specifications.</p>