

## Section 1

### General Description

The ClearPath Spectrum Wireless System is comprised of two devices; a Coordinator (S-COR) that functions in a similar role as traditional wireless system receivers, and a Transceiver (S-TRX) that functions in a similar role as traditional wireless transmitters, but this is where the similarities end. The Spectrum Wireless System provides several industry firsts:

- Digital two-way communication allows for greater security and ensures successful signal transmission between devices.
- LCD screen for quick and easy programming (S-COR).
- Upon switch activation, the Transceivers communicate valuable information that is displayed on the LCD screen including: device ID, signal strength and battery monitoring.
- Pairing of multiple Transceivers with Coordinators.
- Two built-in outputs (S-COR).
- 3 year battery life (S-TRX).

ClearPath Spectrum products operate at 2.4 GHz, making the wave length more than 5 times shorter than commonly-used frequencies. Shorter waves pass through cracks and barriers easier, and Transceivers will continue to attempt to contact the Coordinator until it receives an acknowledgement.

### OPTIONS:

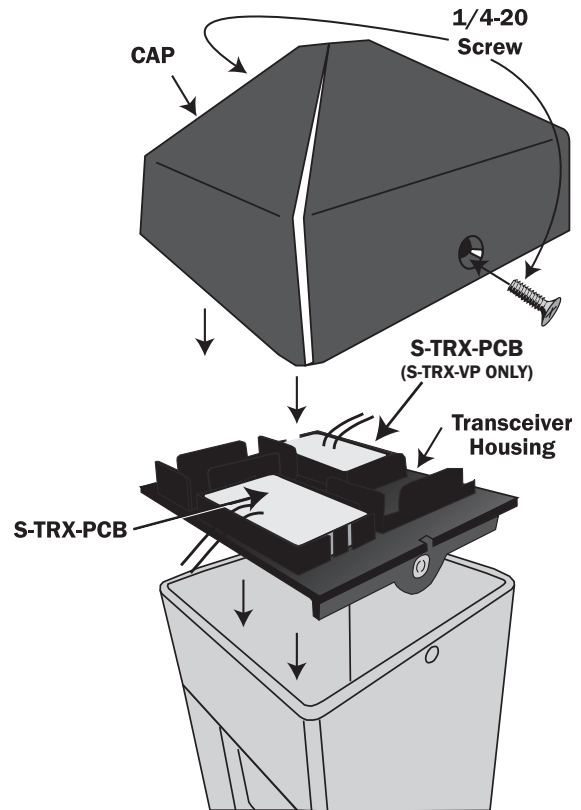
- S-TRX-P = 608 Integrated Cap Assembly with S-TRX Transceiver Installed**
- S-TRX-VP = 608 Integrated Cap Assembly with 2 S-TRX Transceivers Installed**

## Section 2

### Basic Installation

- 1) Remove the Cap from the Transceiver housing (See Fig. 1).

FIGURE 1



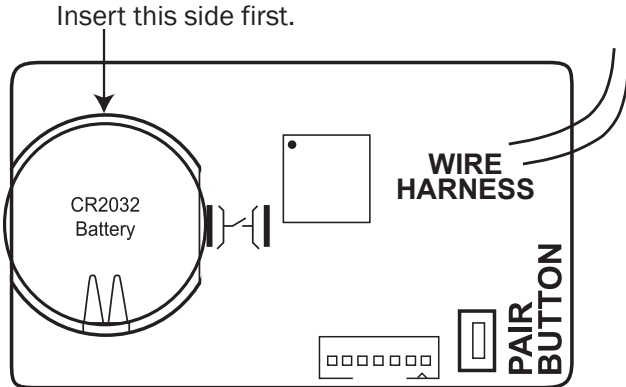
- 2) Install CR2032 battery (Energizer Recommended).
- 3) Take the Transceiver to the Coordinator location and place the Coordinator into pairing mode (See S-COR Installation Manual).



**NOTE:** The easiest way to confirm successful pairing of Transceivers (S-TRX) is to first connect the Coordinator to the operator control so that it is ready for programming and then pair all Transceivers **at the Coordinator location**. When the pairing button on the Transceiver is pressed, the pairing confirmation message "Device Paired" is displayed on the Coordinator LCD screen.

- 4) Press the PAIR Button on the Transceiver PCB once Coordinator is ready (See Fig. 2).
- 5) The Coordinator LCD screen will display "Device Paired" upon successful pairing.
- 6) Repeat steps 4 + 5 for second Transceiver (S-TRX-VP)

**FIGURE 2**  
Transceiver Circuit Board



- 7) Place the Transceiver housing into the top of the Bollard (See Fig. 1).
- 8) Attach the Transceiver wires to the Switches as appropriate.
- 9) Verify operation by pressing the Switch(es).
- 10) Re-attach Cap with 2 - 1/4-20 screws provided (See Fig. 1).

### Section 3

#### Operational Mode

In operational mode, whenever a Transceiver is activated, the Coordinator screen will display the following information: ID, battery status and signal transmission strength (See Fig. 3).

**FIGURE 3**  
S-COR Screen when S-TRX is Activated



- Transceiver ID:** 4 digit automatically assigned
- Signal Strength:**
- \*\*\*\* Optimal
  - \*\*\* Good
  - \*\* OK
  - \* Weak
- Battery Status:** Battery OK  
Replace Battery

### Section 4

#### Maintenance

For best results, change the battery every 3 years, or as needed. To remove the current battery, use a small flat-head screwdriver, approaching from the wire harness socket side of the pcb as shown (See Fig. 4).

**FIGURE 4**  
Transceiver Circuit Board

