

# AutoGlideXR™ Installation Procedures for Bestway Sprayer

## (Can be used for universal fitment)

AutoGlideXR™ systems ship 1 of 4 ways. In figure 1 you will see a base 2-sensor (70802XR) system with all the components. A 3-Sensor (70803XR) system contains Figure 1 and Figure 2. A 4-Sensor (70804XR) system contains Figure 1 and 3. A 5-Sensor (70805XR) system contains Figures 1 and 4.



Figure 1  
2-Sensor System



Figure 2  
Additional Components for  
3-Sensor System



Figure 3  
Additional Components for  
4-Sensor System



Figure 4  
Additional Components for  
5-Sensor System

**Step 1:** Open the interface box in Figure 1 (*see red arrow*). In the shipping box is an unattached wire harness labeled SH/MASTER SOLENOIDS. Attach one end of the

provided SH/MASTER SOLENOIDS wire harness to the terminal blocks marked MSTR & SH seen in Figure 5. (see red arrow)

**RED = SHUTTLE / BLACK = MASTER**

**Step 2: For 3-Sensor Systems!** Attach the center sensor cable from Figure 2 (see red arrow) to the open sensor terminal block in the Interface Box in Figure 5. (see blue arrow) There will be 4-wire ends to connect. The colored wires attach identically to the other sensor wires.

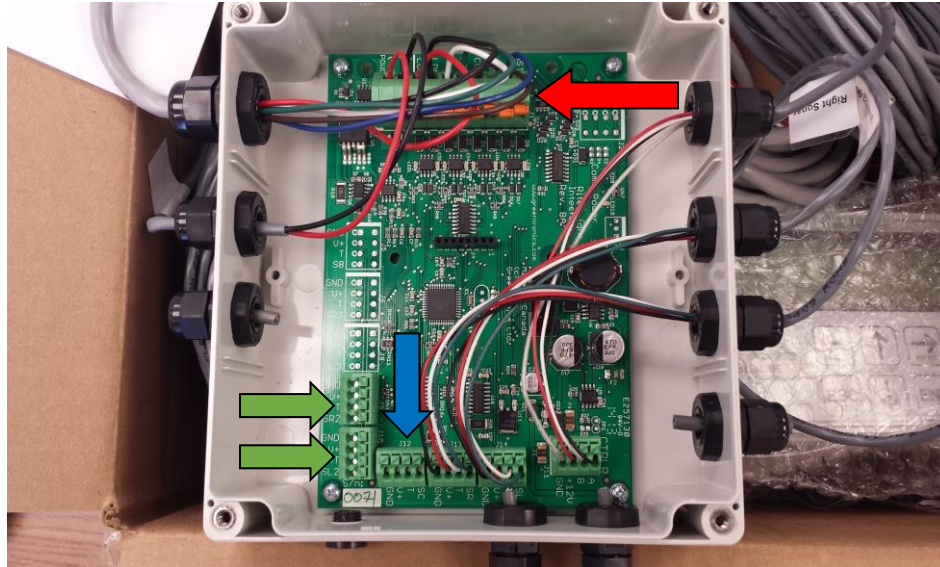


Figure 5  
Open Interface Box

**Step 3: For 4-Sensor Systems!** Attach the 2 sensor cables from Figure 3 (see red arrow) to the open sensor terminal blocks in Figure 5 (see green arrows). The colored wires attach identically to the other sensor wires. Make note as to which cable is attaching to each terminal block. You will see that one terminal block is labeled as SL2 (Left inner sensor) and one terminal block is labeled SR2 (Right inner sensor). Left sensor cable must run to left sensor. Right sensor cable must run to right sensor.

**Step 4: For 5-Sensor Systems!** Attach the 3 sensor cables from Figure 4 (see red arrow) to the open sensor terminal blocks in Figure 5 (see blue and green arrows). The colored wires attach identically to the other sensor wires. Make note as to which cable is attaching to each terminal block. You will see that the terminal block with the blue arrow is labeled as SC (Center Sensor). Center sensor cable must run to Center sensor. You will see that one of the terminal blocks with the Green arrows is labeled as SL2 (Left inner sensor) and the other terminal block is labeled SR2 (Right inner sensor). Left sensor cable must run to left sensor. Right sensor cable must run to right sensor.

**Step 5:** Attach provided Interface Bracket to Interface Box for mounting. Use additional provided bracket(s) for template when drilling mounting holes. Hardware has been provided for attaching the Interface Box bracket. Reattach cover of Interface Box. Make sure seals of the lid and box align correctly to prevent moisture being exposed inside the box.

**NOTE:** Interface Box can be mounted anywhere you deem necessary. Bestway factory installs the Interface Box on the Right Hand side of the sprayer on the tank saddle as in Figure 6.



Figure 6  
Factory Installed Interface Box

**Step 6:** With all wires/cables still coiled and secured, mount the Interface Box to predetermine location.

**Step 7:** Mount sensors in locations. Outside sensors should be within 30” of boom tip for best performance. Inner wing sensors should be mounted close to middle of boom wing for best performance. Center sensor must be mounted on the center section. All sensors should face forward – spraying direction.

**Step 8:** Begin running cables to required locations. Sensor cables are specific to a sensor because of where they were installed in the Interface Box. There will be two cables running to the hydraulic block along with two cables running to the tractor. Total number of sensor cables will depend on sensor options ordered.

***HINT:*** When in doubt; follow solutions lines to prevent pinching.

**IT IS IMPRTANT TO CHECK CABLES DURING FIRST FOLD/UNFOLD TO ENSURE NO PINCHES.**

**Step 9:** Provided in your AutoGlideXR will be 5 small Y-Cable harnesses designed to plug into your sprayers hydraulic block (7 for center rack control). These will be wired to the UP/DOWN Solenoid harness and SHUTTLE/MASTER Solenoid harness then attached to the Fasse hydraulic block. Wires should attach as follows: *(only use red wire on Y-Cable)*

<u>Function</u>	<u>AutoGlideXR UP/DOWN SOLENOID Harness</u>	<u>Fasse Block Harness</u>
LUP	RED	BROWN
RUP	WHITE	WHITE
CUP	BROWN	BLUE
<u>Function</u>	<u>AutoGlideXR SH/MASTER SOLENOID Harness</u>	<u>Fasse Block Harness</u>
SHUTTLE	RED	YELLOW
MASTER	BLACK	RED

**NOTE:** Master wire is only connected to the hydraulic block if you are running an OPEN CENTER tractor. Wires not labeled for above use can be cut and taped to prevent corrosion or contact. **If unsure; DO NOT CUT.**

**Step 10:** Once cables/wires are ran and attached; coil excess cable/wire up and stow in desired location to prevent damage.

**Step 11:** If you ordered the Disconnect Cable Kit (part no. 70801) it will attach to the cable/wires ends running forward. Disconnection is designed to occur at the tongue of the sprayer. If no disconnect cable kit was ordered, the system is designed to be hard-wired.

**DO NOT CUT OR SPLICE ANY CABLE OR WIRES WITHOUT AUTHORIZATION FROM BESTWAY.**

**Step 12:** Attach power cables to a solid 12v source on the tractor. There will be one power cable running from the Interface Box and one cable running from the Cab Control Monitor. These must be powered with **NO MORE** than 12v.

**Step 13:** Mount the Cab Control Monitor in the cab of the tractor. Monitor may be installed using the provided Ram Mount bracket or industrial strength Velcro. *User to determine.*

**Step 14:** Ensure all cabling is properly attached and all electrical connections are secure. Power on the AutoGlideXR Cab Control Monitor. The AutoGlideXR system is preset with various default settings; however, there are a few you **MUST** change to allow the system to work with your sprayer. See below:

## READ OWNERS MANUAL BEFORE OPERATION

Main Menu/Enable Auto => hit ENTER from here to activate system

<u>Configuration</u>	<u>Machine Setup</u>	<u>Self Calibration</u>
Deadband (5"-7")	Control Type (# of Sensors)	Left/Right
Delay for Up (.2 Sec)	Offsets (3")	Center
Delay for Down (.7 – 1 Sec)	Dir. Valve (1 Valve/Cyl)	
Height (Spray Height)	Dir. Left (Down)	
Sonar Target (Operator Desire)	Dir. Right (Down)	
Override (Operator Desire)	Dir. Center (Down)	

Above settings are recommended for startup on Bestway Sprayers. Fine tuning suggested after initial use.

Above settings in no way constitute perfect operation of AutoGlideXR system.

**Important:** ENTER saves data, ESC backs out of program, arrow keys move through programs and options.

Self -Calibration takes approximately 2-3 minutes.

Alarm Settings can be timed out or turned off per operator's request. See owner's manual.

Additional settings and program features are available to operator. See owner's manual.

Please call Bestway Sales, LLC if you have any questions regarding installation or operation of your AutoGlideXR system – (877) 390-4480.

