



TARP SYSTEMS & ACCESSORIES

P/N 1131495 Rev.A

OPERATING INSTRUCTIONS



Wireless ShurLink PRO™ Remote

READ BEFORE INSTALLING

2309 SHUR-LOK STREET • YANKTON, SD 57078-0713
PHONE: 1-800-SHUR-LOK (1-800-474-8756) • FAX: 1-605-665-0501

www.SHURCO.com

SHOP ONLINE: www.SHOPSHURCO.com

! NOTICE

Do not power ShurLink™ or any Shur-Co® wireless system with battery charger alone, as this will likely cause system abnormalities and/or system malfunction. Instead, use 12-volt truck/automotive battery to provide power to system.

ATTENTION!

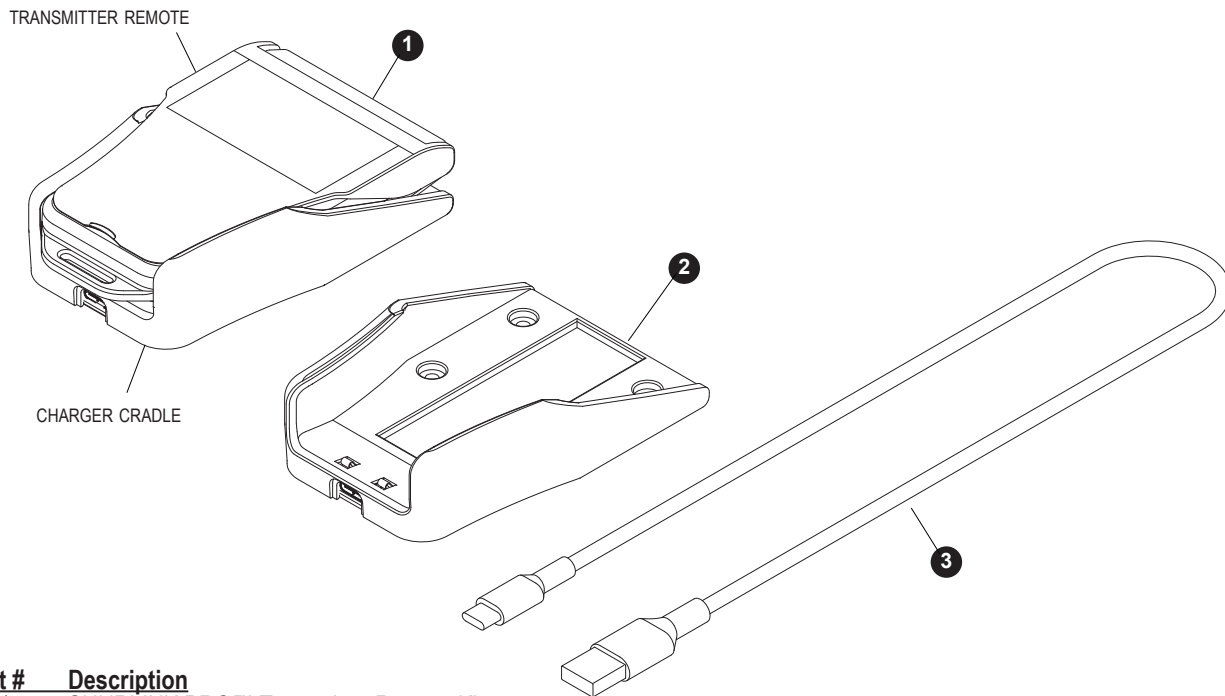
PRIOR TO INITIAL USE, FULLY CHARGE REMOTE FOR 8 HOURS. REMOTE CAN BE USED PRIOR TO INITIAL FULL CHARGE IF KEPT IN CRADLE.



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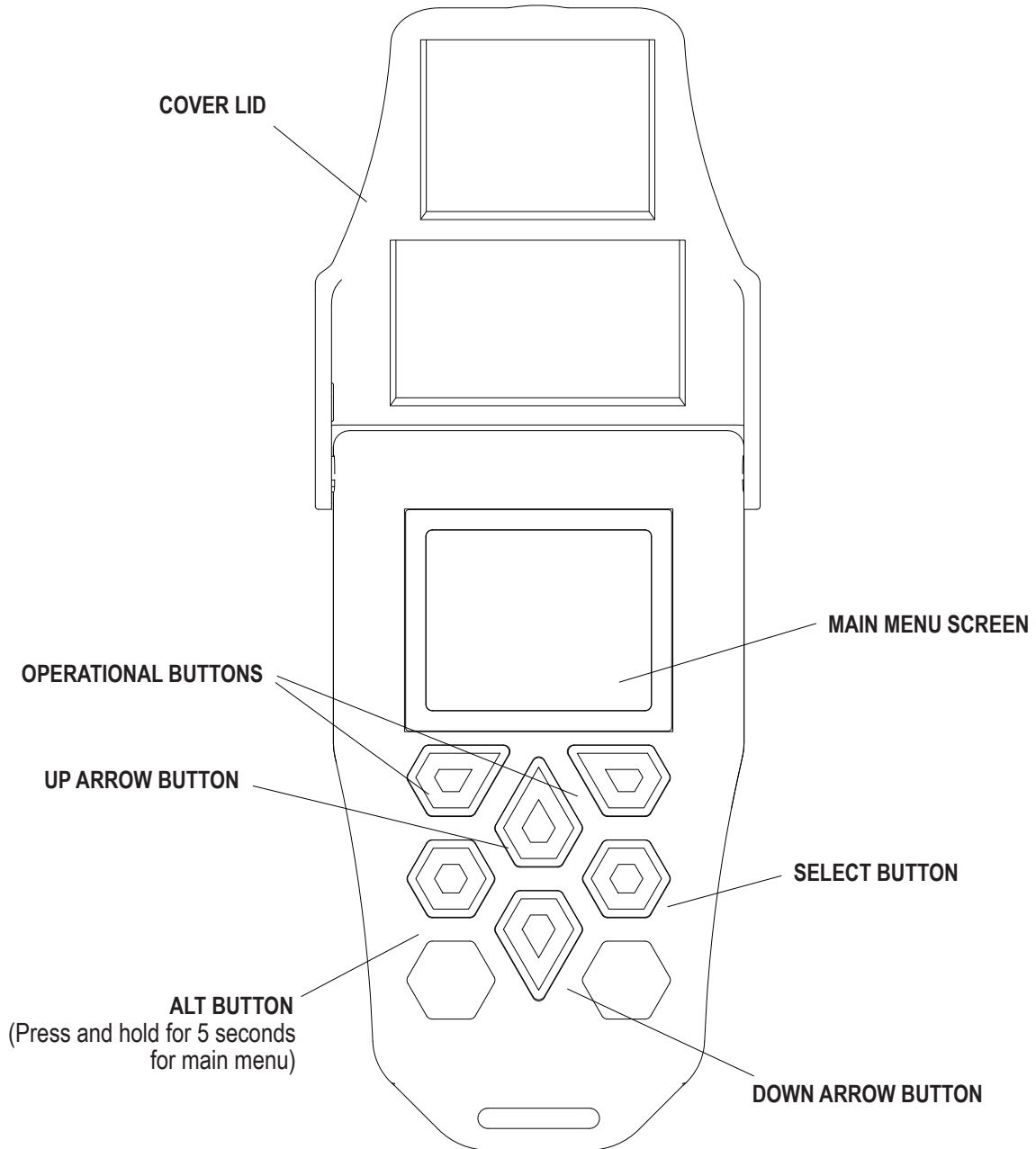
SHURLINK PRO™ COMPONENTS



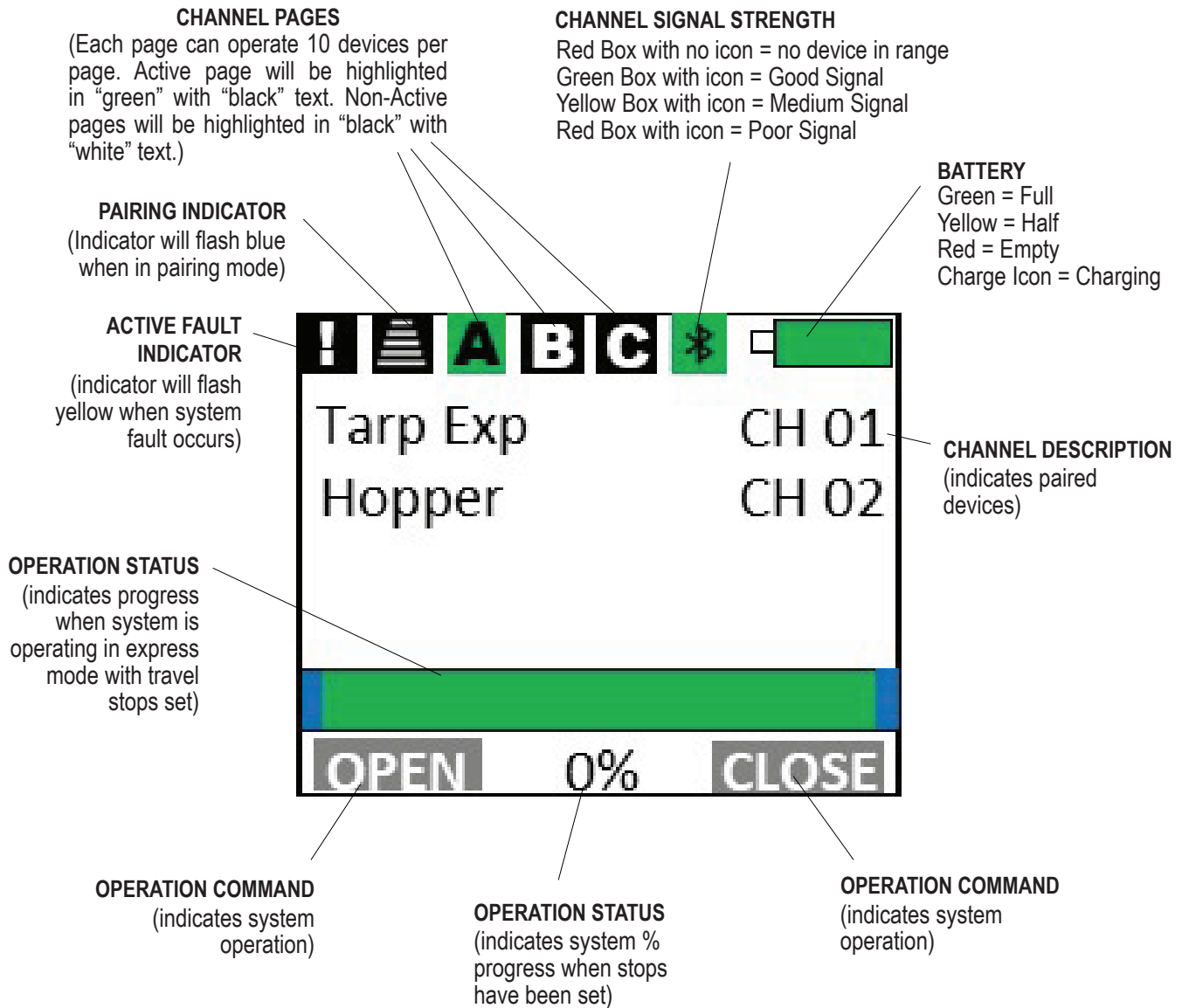
Item	Part #	Description
1.	1131575	SHURLINK PRO™ Transmitter Remote Kit (includes remote, cradle and charging cable)
2.	1706751	SHURLINK PRO™ Replacement Cradle
3.	1706836	USB Charging Cable Type A to C

POWER UP/DOWN

Remote will power up when cover is opened. If cover is already open and remote is off, power up remote by pressing either operational button. Remote will power down when cover is closed or left open for default three minutes after last button is pushed. You can adjust the timer by using the ShurLink™ app in the Apple App Store.



SHURLINK™ PRO SCREEN LAYOUT



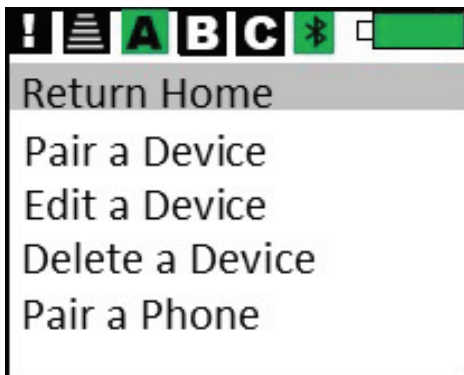
PAIR DEVICES (INTRODUCE REMOTE TO RECEIVERS)

Each remote and receiver has a unique encryption code to prevent unauthorized operation. Before remote can operate receiver module, they must be paired or introduced.

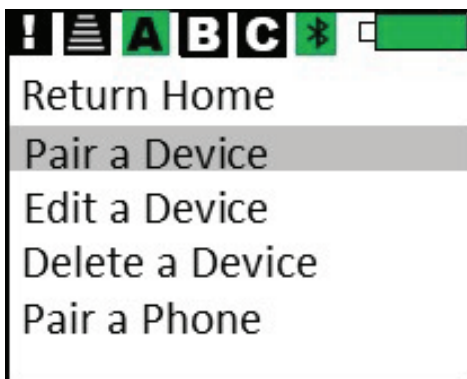
STEP 1: From home screen on remote, press and hold **ALT** button for 5 seconds. The remote menu screen will display.



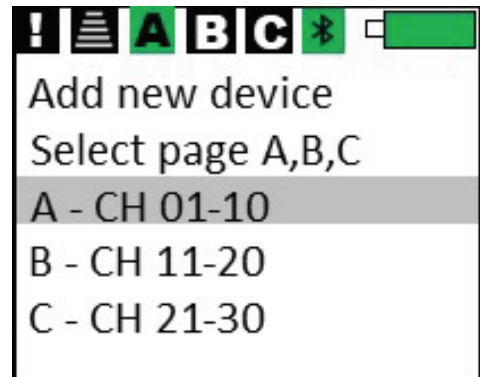
MENU SCREEN



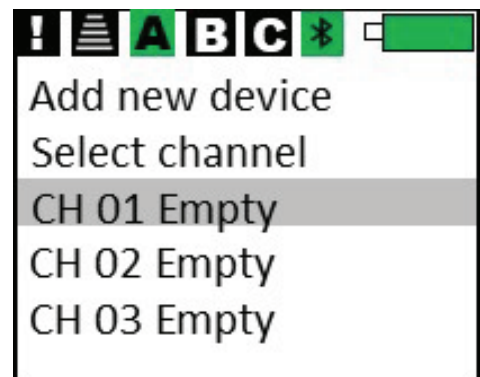
STEP 2: Arrow to **Pair a Device** and Press **Select**.



STEP 3: Arrow to desired page **A, B, C**, to pair new device to, then press **Select**. Ten devices can be paired to each page.



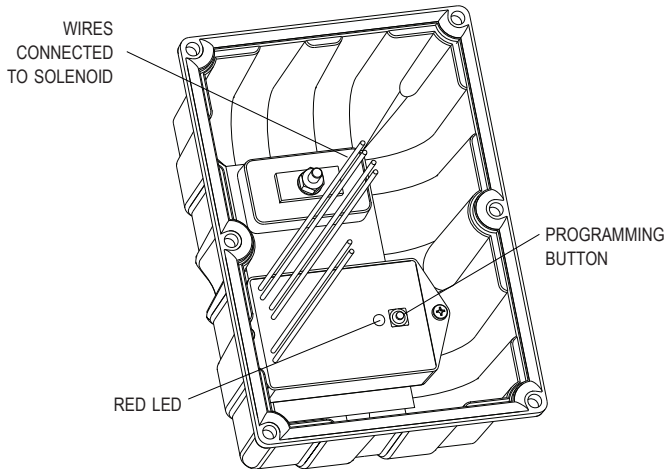
STEP 4: Arrow to desired channel, then press **Select**.



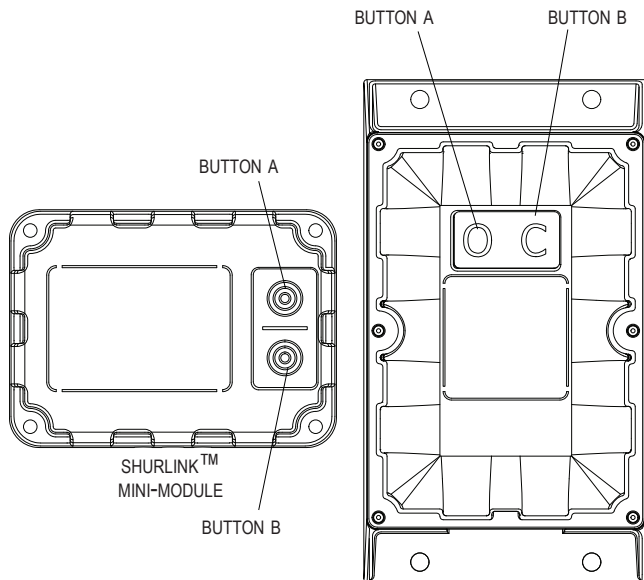
STEP 5A: Remote is now ready to pair with module. Press operational button **CANCEL** to exit pairing mode. Proceed to **step 5b** to place receiver into pairing mode.



STEP 5B: For receiver cover shown below (tarp, hopper, etc.), reach programming button near LED light inside gray cover. Press and hold button beside red LED light for approximately 5 seconds. Release after buzzer sounds and red LED flashes off.



STEP 5C: For Mini Modules shown below and front of standard receiver covers shown above, press and hold both buttons for approximately 5 seconds. Release after buzzer sounds.



DEVICE TYPE CAN BE TARP, HOPPER, LIGHTS, ETC.

NOTICE

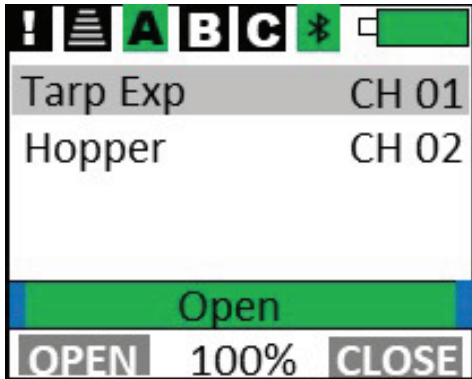
If device type is incorrect, call Shur-Co® Help Line. You can damage system if you operate wrong device-type receiver.

STEP 7: If you have additional ShurLink™ devices on your trailer that need to be paired, repeat process for remaining devices. When you are done, all new devices should show up on Main Screen of remote within a few seconds after opening cover.

STEP 8: Refasten plastic cover onto receiver assembly (applies only to receiver shown in step 5b).

STANDARD OPERATION (EXPRESS MODE)

When cover is opened, remote will default to Main Screen. Any paired (introduced) devices on page A will appear on Main Screen within a few seconds if connected to power and within range.



NOTE: If additional devices are paired on page B or C, press **ALT** button to toggle between pages to show additional devices.

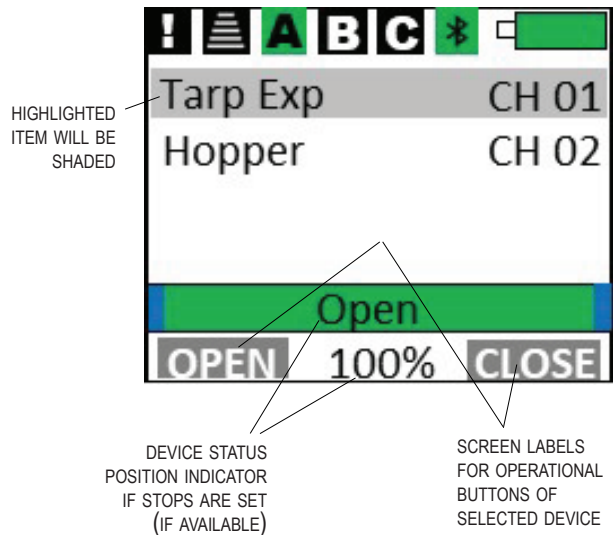
NOTE: When devices are paired with remote, they will show up with default names like Tarp EXP XXX. Rename each device as you choose (example: TRLR4 or Front Hopper) by using ShurLink™ App in Apple App Store.

NOTE: Systems with Express labeled on the receiver and Exp. description on the remote are factory set to run in express mode during operation. End and Mid stops can be set for operational display on Pro Remote.

NOTE: System will not operate in **EXPRESS MODE** unless encoder wire between motor and control box are connected.

NOTE: Some Shur-Co® products are not compatible with **EXPRESS MODE**. If motor does not have encoder wire or other feedback, system will operate in **MOMENTARY** only.

Use up/down arrow buttons to highlight device you wish to operate. In figure below *Tarp Exp* system is highlighted. Use operational buttons to control selected device. For motorized devices, selected device will operate in whatever mode (*Manual* or *Express*) you have set as default. See ShurLink™ App in Apple App store for setting default operating mode.



HIGHLIGHTED ITEM WILL BE SHADED

DEVICE STATUS POSITION INDICATOR IF STOPS ARE SET (IF AVAILABLE)

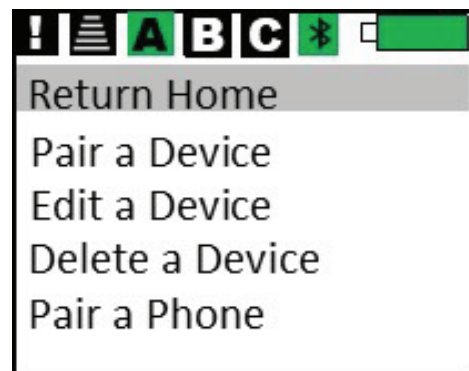
SCREEN LABELS FOR OPERATIONAL BUTTONS OF SELECTED DEVICE

NOTE: Tarping system ships from factory defaulted to **EXPRESS MODE**, for operational display to provide status, travel stops must be set first. Tarping systems will also operate in **EXPRESS MODE** when operated from buttons on trailer mounted control module.

SET TRAVEL STOPS

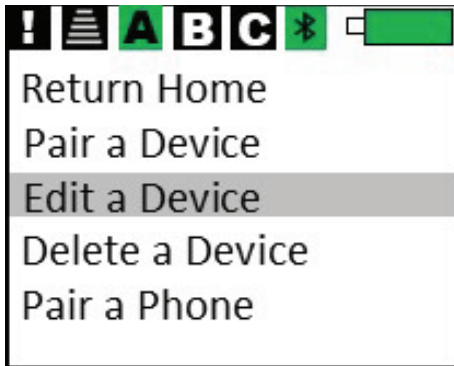
NOTE: If system motor does not have an encoder wire, **SET TRAVEL STOPS** will not be accepted.

STEP 1: Press and hold ATL button on **PRO** remote until menu screen appears.

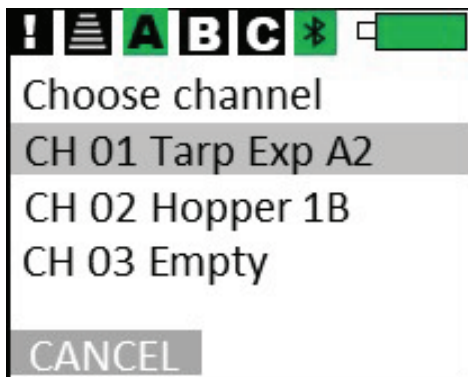


SET TRAVEL STOPS - CONTINUED

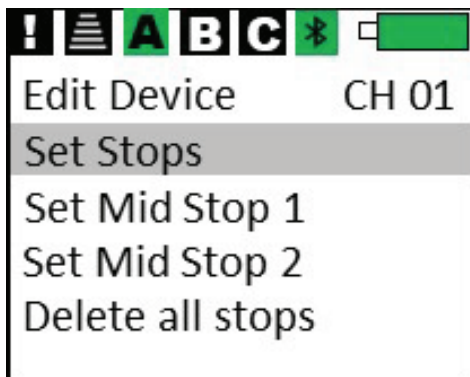
STEP 2: Use down arrow button until **Edit a Device** is highlighted, then press *Select* button.



STEP 3: Use *down arrow* button until channel you want to edit is highlighted. Press *Select* button. Use operational button **CANCEL** to exit or close lid.



STEP 4: Press down arrow until *Set Stops* on screen is highlighted. Press **Select** button. Pressing **ALT** button will return to main screen.



STEP 5: Menu will prompt you to clear existing travel stops by pressing operational button **SELECT**. To cancel, press operational button **CANCEL** or close lid.



STEP 6: Press operational button **CLOSE** to move device (tarp, hopper, door, etc.) to fully closed position. Continue holding button until motor automatically turns off. Make sure there are no abnormal conditions that might stop device from fully closing, like heaped load or ice buildup on trap door. Verify device (tarp, hopper, door, etc.) is fully closed. Press *Select* button to save this position.

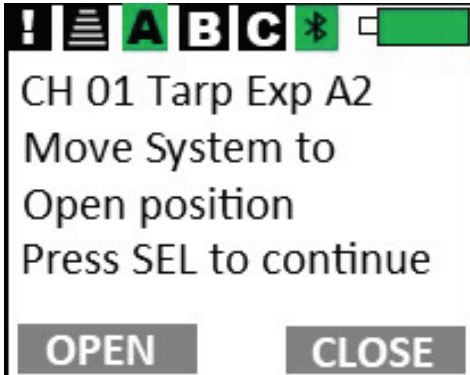
NOTE: System will automatically turn off within approximately one second of tightening on closed side. Do not attempt to set closed side stop just before point where system tightens up. During operation, control module will always look for system to tighten up (partially "stall") before system will turn off and display **CLOSED**.



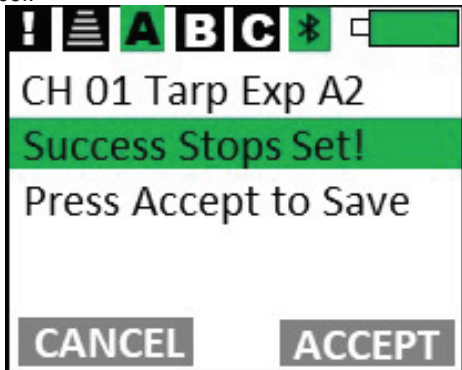
SET TRAVEL STOPS - *continued*

STEP 7: Press operational button **OPEN** to move device to desired open side location. Open stops should be set so device will stop prior to making contact with any mechanical stop (tarp stop, hopper door stop, etc.)

Example: Stop tarp roll approximately 3" to 4" from tarp stops. This also helps with seasonal events that impact the tarp rolling up. This will save on system wear and tear. Press *Select* to save this position.

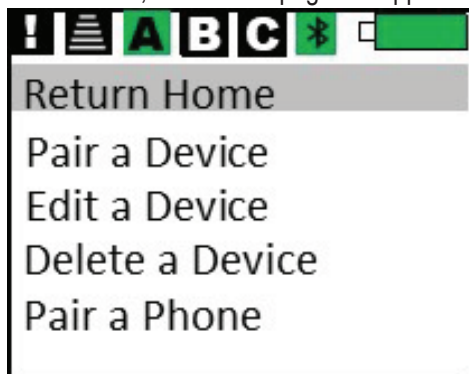


STEP 8: Press operational button **ACCEPT** to complete *Set Stops* procedure if you accept responsibility to operating system in Express Mode. Press operational button **CANCEL** or close lid to cancel.

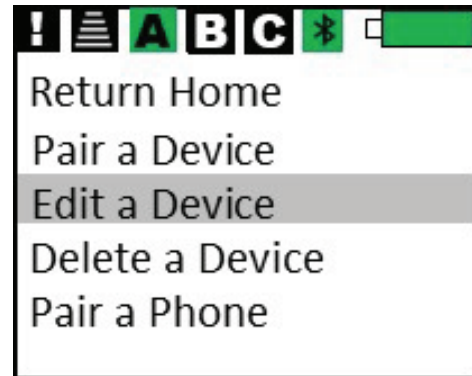


CLEARING (DELETING) TRAVEL STOPS

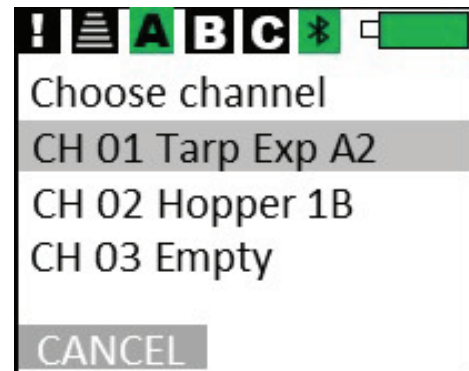
STEP 1: To delete stops if you do not plan to operate system in *Express Mode with Positional Feedback*, press and hold **ALT** button for five seconds, *Main Menu* page will appear.



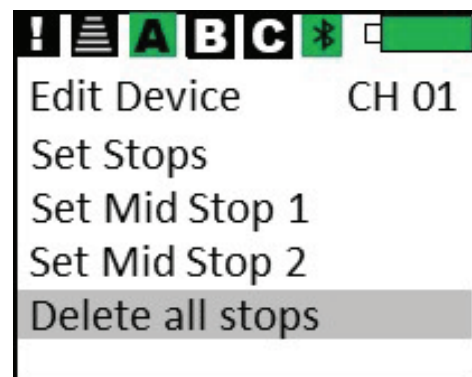
STEP 2: Use Up/Down buttons to highlight **Edit a Device**. Press *Select* button.



STEP 3: Use Up/Down buttons to locate device. If device is on page B, or C, use **ALT** button to change page. Press *Select* once device has been highlighted.

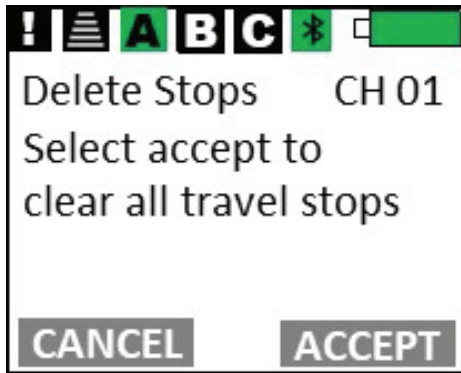


STEP 4: Use Up/Down buttons to locate **Delete all stops**. Press *Select* button to delete all stops on this device



CLEARING (DELETING) TRAVEL STOPS

STEP 5: To accept clearing travel stops, press ACCEPT on operation button, Press CANCEL operation button or close cover to revert back to current settings.



NOTE: System can be operated in Momentary Mode. Device settings can be found using ShurLink™ iOS app in Apple App Store.

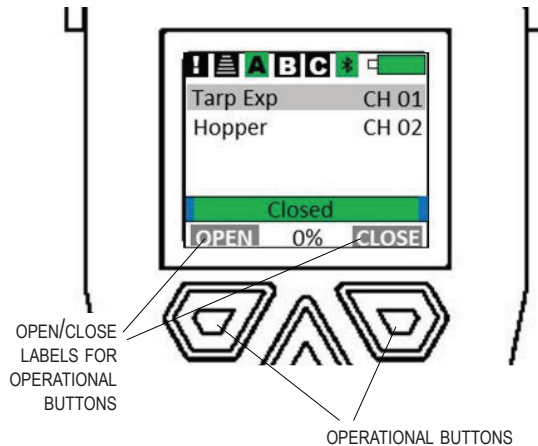
STANDARD OPERATION (EXPRESS MODE-MOTORIZED DEVICES)

NOTE: Set travel stops before Express Mode with positional feedback can be used.

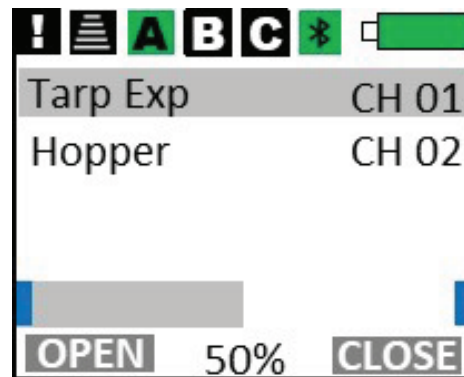
NOTE: Travel stops can only be set on Shur-Co® motors that have encoder cable, such as 4500 Series HD, ProTrap®, MaxxTrap™ and SMARTDrive motors.

In Express Mode, simply press and release operational button labeled Open or Close. If you need to stop an operation before it reaches travel stop, just press any button or close cover.

NOTE: If tarp system is commanded to operate in **EXPRESS MODE** from push-buttons on trailer-mounted receiver or Mini-Module, remote will only stop system if **OPEN** or **CLOSE** buttons are pressed and device is highlighted on screen. Remote will not stop system if **SELECT** or arrow buttons are pressed or if remote cover is closed.



While motorized device is operating, current position of device will be displayed on screen. Once motor reaches end of travel, motor will shut off and screen will show device as fully open or closed.



NOTE: Many devices (including tarp and standard hopper controllers) expect system to tighten (or partially “stall”) on closed side before remote will display CLOSED status.

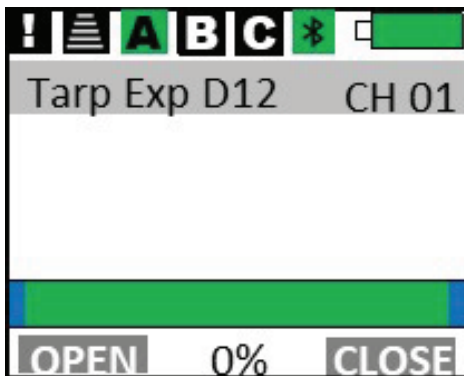
NOTE: If motor cannot travel to full open or closed position (due to heaped load or other obstruction), motor will travel as far as it can and stop automatically. Display will then show system partially open.

SET MID-STOP

NOTE: Mid Stops can be set on express mode enabled systems Tarp and Hopper, allowing systems to stop mid-operation for metering materials from a hopper or probing without fully opening system.

To set Mid Stops, system must have End Stops set for proper operation.

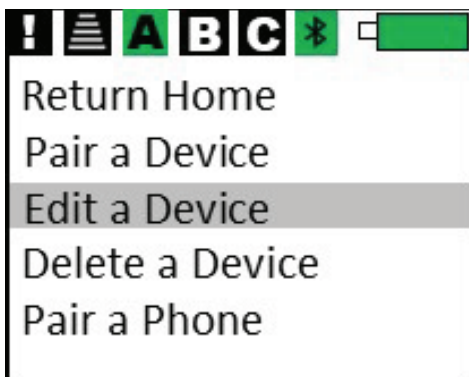
STEP 1: From home screen on remote, press and hold **ALT** button for 5 seconds. The remote menu screen will display.



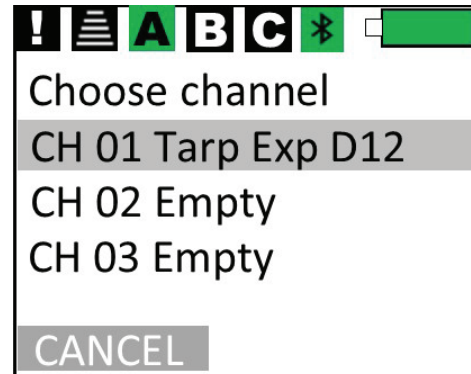
MENU SCREEN



STEP 2: Press **Arrow Down** button to **Edit a Device** and press **Select** button.



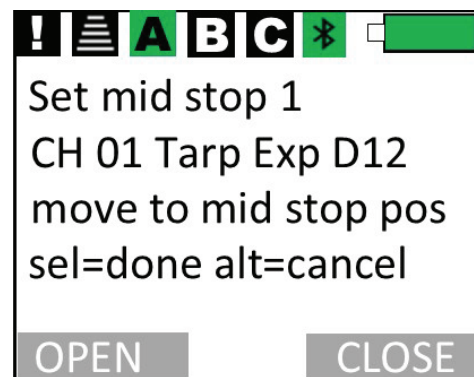
STEP 3: Press **Arrow Down** button to choose the channel you would like to set *Mid Stops* on. Press operational button to **CANCEL**, or close lid to cancel.



STEP 4: Press **Arrow Down** button to **Set Mid Stop 1** or **Set Mid Stop 2**. Close lid to cancel.



STEP 5: Use operational **OPEN** or **CLOSE** button to position system in desired location to set mid stop. Press **Select** button to accept position or **ALT** button to cancel.

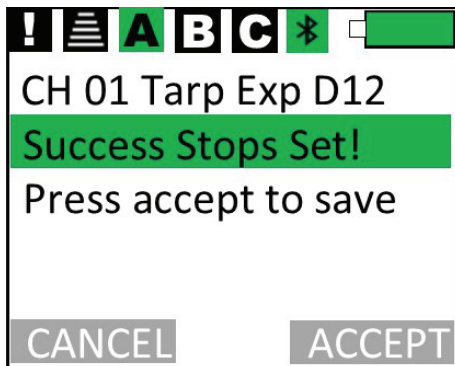


SET MID-STOP CONTINUED

STEP 6: Choose direction of operation you would like the stop to be set in by pressing operational button **OPEN** or **CLOSE**.



STEP 7: Screen will display successful stop set. Press operational key **ACCEPT** to accept or **CANCEL** to cancel.



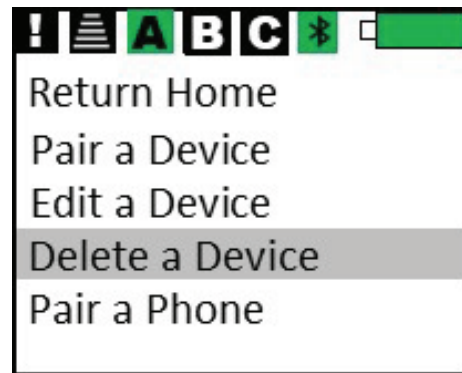
NOTE: As an option to set Mid Stops, move system into position prior to entering Set Stop option. Press **SELECT** without moving system from current position, continue setting stops from step 6 on.

NOTE: To set secondary mid stop, repeat steps 1 through 7 and choose second set stop option on step 4.

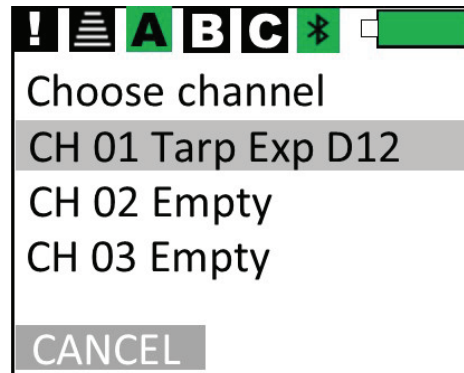
DELETE DEVICE

Any paired device on a remote can be deleted or erased from remote's memory.

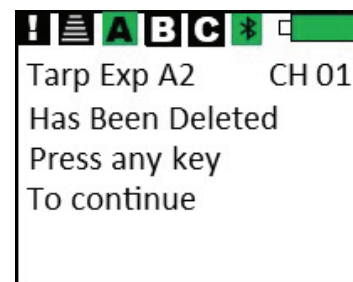
STEP 1: Press and hold **ATL** button on PRO remote until menu screen appears, arrow to *Delete a Device* and press **SELECT**.



STEP 2: Arrow down to highlight device you want to delete and press **SELECT**.



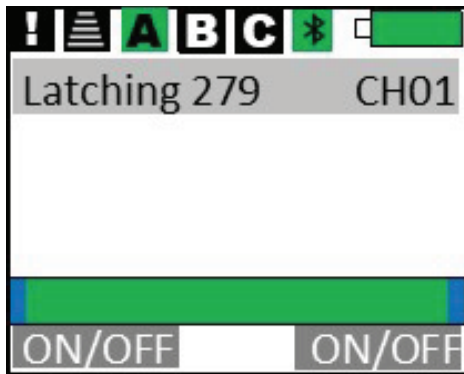
STEP 3: Press **ACCEPT** operation button to permanently delete device, press **CANCEL** operation button or close cover to abort removing device from remote.



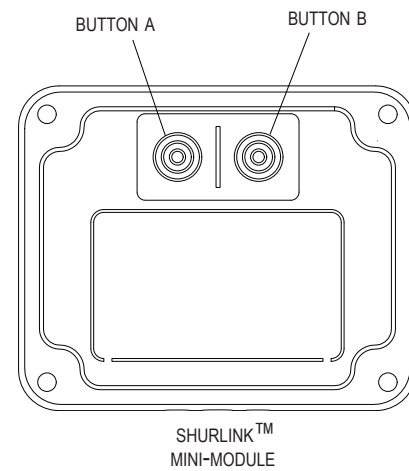
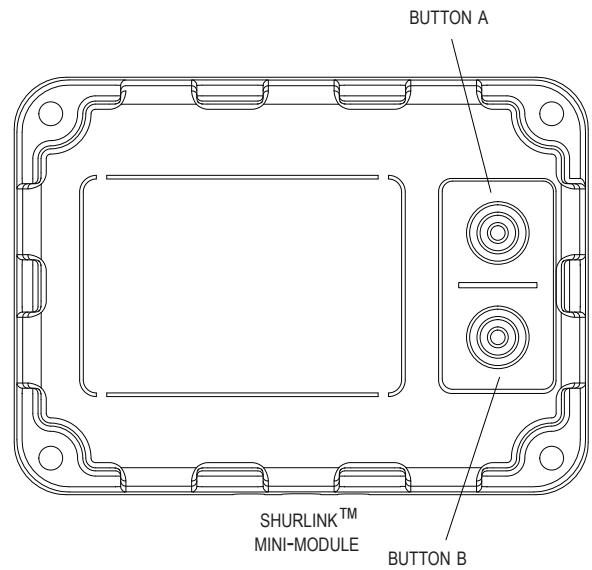
STANDARD OPERATION (DUAL-OUTPUT DEVICES: MOMENTARY, LATCHING & HYBRID)

For lights and other dual-output latching devices, press operational button labeled ON/OFF to toggle output on and off.

For dual-output momentary devices, press and hold operational button labeled ON/OFF to keep device on. Release button and device will turn off.



SHURLINK™ DUAL-OUTPUT MINI-MODULES

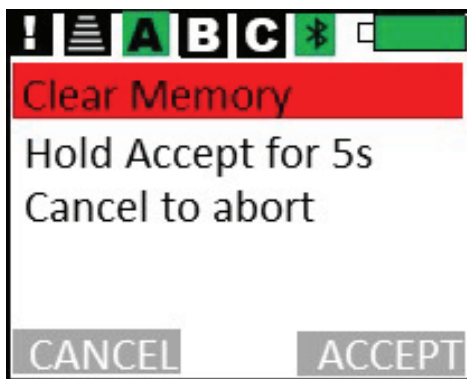


REMOTE CLEAR MEMORY

NOTE: Clearing memory permanently deletes any device that was paired to the remote.

NOTE: Make sure to return any app remote tokens used on this device before clearing memory. Tokens will be non-returnable if this step is not completed.

STEP 1: From any page on remote, press and hold **ATL** and **SELECT** buttons on remote for approximately 5 seconds. A *Clear Memory Screen* will appear.



STEP 2: Press and hold operation button **ACCEPT** for 5 seconds to clear memory. To abort, press operation button **CANCEL**.

You can customize ShurLink™ system devices (such as Receivers and EZR™/PRO Remotes) by utilizing the ShurLink™ App available for download on the Apple App Store. Ensure that you have an iPhone or iPad running on **iOS 15 or a later version**. Simply search for “**ShurLink**” within the Apple app store to find it.

STEP 1: With ShurLink™ app open and on *Configure* tab, press blue refresh button on right side of screen. Place device (ShurLink™ receiver or EZR™/PRO remote into pairing mode).

Receiver: Press and hold *OPEN* and *CLOSE* buttons on receiver or device pair button on inside of receiver (refer to page 6 step 5b and 5c for additional information).

EZR™ Remote: Press and hold *OPEN* and *CLOSE* buttons at the same time until light turns solid.

PRO Remote: Press and hold **ALT** button for 5 seconds until **MAIN MENU** screen displays, arrow down to **PAIR PHONE** and press **SELECT** button.

The phone will ask for a *Bluetooth Pairing Request* in a pop out window. Choose **PAIR** to pair your device to your phone.

Refer to ShurLink™ App Manual for additional settings.

Our **Advanced Troubleshooting Guide** is available on our website: <http://www.shurco.com>, or call our Help Line: **1-866-748-7435**.

PROBLEM:	TRY THIS:
<p>The ShurLink™ PRO remote is not working, the display is totally dead and is not displaying anything.</p>	<ol style="list-style-type: none"> 1. If the remote lid has been left open, the remote may have been powered down. Wake the remote up by closing the lid and then re-opening it. Alternatively, you can wake the remote up by pressing an operational button (Open/Close). 2. The battery may be dead. Place the remote in the charging cradle and open the lid. Make sure the charging cable is properly connected to the power source and to the cradle. If the remote works in the cradle, allow the remote to charge. 3. The remote may be damaged. Call Shur-Co's Help Line.
<p>The ShurLink™ PRO remote is not working, the display is working, but the device I want to control is not listed on the Main screen.</p>	<ol style="list-style-type: none"> 1. For the device you are trying to control, bring the remote near the receiver. Make sure the ShurLink™ receiver is connected to power. One way to verify that the receiver has power is to remove the gray cover on the trailer and check if the red LED is on and flashing. Flickering LED is normal. 2. Delete the receiver from remote and re-introduce the receiver to the remote. See sections <i>Delete Device</i> and <i>Pair Device</i>. 3. The remote or receiver may be damaged. Call Shur-Co's Help Line.
<p>I have a motorized system, and it is running backwards.</p>	<ol style="list-style-type: none"> 1. Is the device running backwards when controlled with the remote and the buttons on the receiver box? Remove the gray cover from the receiver assembly. Swap the green and yellow wires. Or, use ShurLink™ iOS app to pair motorized system device and switch polarity in settings on app. 2. Is the device running backwards only with the buttons on the receiver box, and the remote is operating in correct direction? Swap positions of the push button switches in the gray cover of the receiver assembly.
<p>I have a motorized system, and it will run in one direction but not the other.</p>	<ol style="list-style-type: none"> 1. Remove the gray cover from the receiver assembly. Make sure the green and yellow wires are connected to the solenoid and are making good contact. 2. Do the push buttons on the gray cover work in both directions? If so, the remote may be damaged. Call Shur-Co's Help Line. If not, got to next step. 3. Clear travel stops (see page 9). Do not reset them. Does system operate in both directions? If so, travel stops were corrupted. Check encoder wire connections and reset travel stops. Call Shur-Co's Help Line if needed. If system still does not operate in one direction, receiver or solenoid may be damaged. Call Shur-Co's Help Line.

PROBLEM:	TRY THIS:
<p>I have a motorized system and: The system will not run with the push-button switches on the gray receiver box; I can hear a click from the gray cover when I press the buttons on the box.</p> <p>OR</p> <p>The system is stuttering when I try to operate it.</p>	<ol style="list-style-type: none"> 1. There may be a bad battery or poor battery connection. Try hooking up power from a different 12-volt battery and re-test the system. 2. Is a battery charger or power supply being using to power the system? If so, hook the system/trailer to a truck battery and try again. Battery chargers alone will most likely cause the system to malfunction. 3. Remove the gray cover from the receiver assembly. Make sure the green and yellow wires are connected to the solenoid and are making good contact. 4. Check system wiring for corrosion, including any circuit breakers near the truck battery. If corrosion is present, you may get 12 volts to the receiver, but a motorized system may not function due to the resultant voltage drop in the wiring or circuit breaker when the <i>Open/Close</i> button is pressed. 5. Check all encoder wires between motor and receiver for cuts. Make sure connectors are connected tightly. Make sure the black encoder wire is always connected to another black encoder wire at connections. On 4500HD tarping systems, make sure sealed weatherpack connectors are snap-locked together. There is one weather connector near the motor and one in the kingpin area. <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>NOTE: Bypass circuit breaker and test system to verify breaker is not corroded inside.</p> </div> <ol style="list-style-type: none"> 6. Verify that you have 12 volts at the motor while an operational button is being held. If you have 12 volts and the motor is not running, there may be a problem with the motor. If the voltage at the motor drops below 12 volts, check the system wiring for corrosion. You may also have a bad truck battery. Start the truck and try again. Call Shur-Co's Help Line. 7. The receiver or solenoid may be damaged. Call Shur-Co's Help Line.
<p>I have a motorized system, and it will not run with the push-button switches on the gray receiver box; I can't hear a click from the gray cover when I press the buttons on the box.</p>	<ol style="list-style-type: none"> 1. Remove the gray cover form the receiver assembly. Verify that 12 volts are being applied to the motor control module in the gray cover of the receiver box. <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>NOTE: Make sure voltmeter reads +12 volts and not -12 volts. Do this while red voltmeter lead is contacting red wire ring-terminal from module and black voltmeter lead is contacting black wire ring-terminal from module.</p> </div> <ol style="list-style-type: none"> 2. The receiver may be damaged. Call Shur-Co's Help Line.
<p>I have a motorized system and it is displaying that it is still slightly open, but it is actually closed.</p>	<ol style="list-style-type: none"> 1. Make sure there are no obstructions to the system (heaped loads, ice, etc.). 2. Make sure you hold the <i>Close</i> button long enough for system to tighten on the closed side. <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>NOTE: For tarp systems, it is normal for the remote to display that it is slightly open if there is a heaped load. Heaped loads will settle, so be sure to check tarp tension after driving a short distance. After unloading trailer and closing tarp, remote should display that it is closed.</p> </div> <ol style="list-style-type: none"> 3. Reprogram your travels stops. Make sure you do not program the stops while there are any obstructions in the way (heaped load, ice, etc.). If this problem occurs again, call Shur-Co's Help Line.
<p>System will not allow <i>Express Mode</i> operation.</p>	<ol style="list-style-type: none"> 1. Set the travel stops. See section on setting travel stops. 2. If the travel stops can't be set, check encoder wires for proper connection. 3. Call Shur-Co's Help Line.

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