

GAS SALT SAND SPREADER INSTALLATION MANUAL

This unit has been tested before shipping. SEE PROGRAMMING THE TRANSMITTER TO THE BASE UNIT AS YOU MAY NEED TO REPROGRAM

Wiring Installation Diagram for GASSALTSANDER

ATTENTION IF THE ENGINE DOES NOT HAVE A VOLTAGE REGULATOR ON IT AT NO TIME SHOULD THE BATTERY CABLES BE DISCONNECTED OR JUMPER CABLES, CHARGERS ... BE USED WHILE HOOKED UP TO THE REMOTE UNIT. **USE THE ENCLOSED 10 AMP IN-LINE FUSE ON THE RED POWER WIRE.** USE THE SAME GAUGE OF WIRE. IF THE BATTERY CABLES BECOME DISCONNECTED THE ENGINE WILL SEND OVER 60 VOLTS TO THE RECEIVER UNIT AND BURN THE UNIT OUT which voids 90-day warranty. No warranty on burnt circuit boards.

Use a test light to locate the proper oem wires for connection to the wireless unit.

Kit includes

1-receiver base unit

1-transmitter

1-10amp in line fuse line

1-relay

1-relay socket

Yellow wire is activated by button #1 Latch/Unlatch – clutch conveyor / spinner on off (L) Not used/button #2 **NOTE YOU MUST USE PROVIDED RELAY ON THIS CIRCUIT to prevent back feed from clutch magnet** see provided instructions

Blue wire is activated by button #3 Throttle control (throttle UP) (U) button

Green wire is activated by button #4 Throttle control (throttle DOWN) (D) button

Brown wire is activated by button #5 Momentary engine start (E) button

Orange wire is activated by button #6 Momentary to ground/kill motor (STOP) button

Not used button #7 & 8

Red wire is DC power supply

Black wire is DC ground

MAKE SURE YOU HAVE SECURE AND CLEAN CONNECTIONS EVERYWHERE

This unit will replace your oem controller. Before installing locate and be familiar with the original equipment wiring to assist in where to attach the wires from this unit.

No more than 10 amps' total at any given time can run through the receiver. For higher amp uses you must use relays... with the unit. It is recommended to wire in a on off switch on the power or ground of the receiver to prevent battery drainage when the unit is not in use.

Intended usage:

We have no control over the end usage of the wireless units.

Because of this, we recommend that these units are intended for OFF-ROAD

Use only. We offer no written or expressed liability as to how this unit is used

PROGRAMMING Set-up and operation. [Video link](#)

This gives a matched (1 of 16 million combinations @ 418MHz interface between the Transmitter and base unit.



Fig 2 Transmitter and base unit

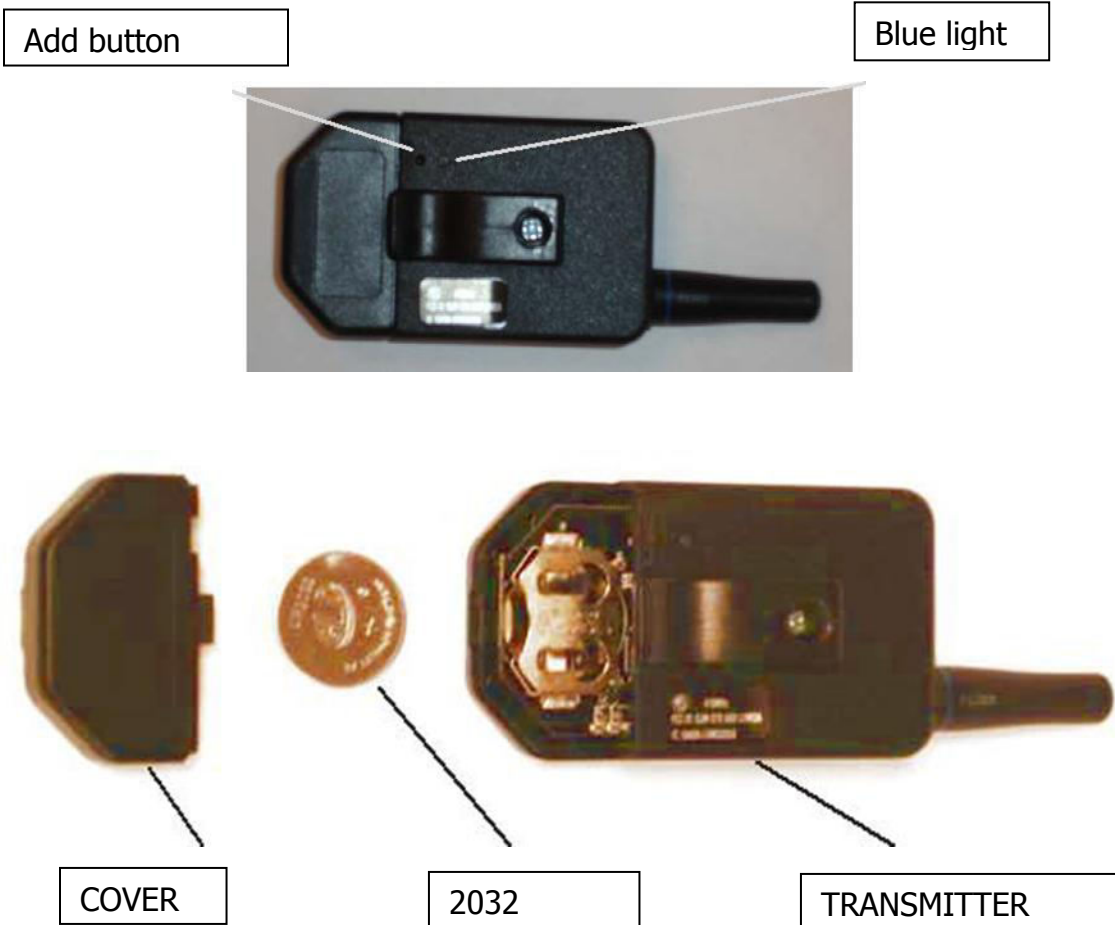
Battery Replacement

The transmitter uses a standard lithium button cell battery. In normal use, it will provide at least 2 to 3 years of operation. To check the battery simply depress gently into the learn hole to replace the battery, gently pry the battery cover off. Remove the battery by tapping the transmitter on a bench/desk to dislodge the battery then remove by hand. Observe the battery polarity when replacing. Once the battery is replaced, test by inserting paperclip into Add / program hole and depress lightly and remove paperclip. If the light begins blinking the battery and transmitter are ok. Repeat the above steps to set a new address between the transmitter and the receiver / base unit.

Note you need to be next to the receiver and the receiver needs to have 12-volt power and ground connected and the cover off of it.

On the backside of the standard Transmitter, use a paperclip and **GENTLY** insert it in the hole next to the clear blue window. Once the programming button is depressed, a blue LED will begin to blink for 15 seconds. Flip the Transmitter over and firmly depress all 8 buttons one at a time button within 15 seconds while the light is still blinkiing. Now the Transmitter has acquired a 1 in 16 million address. **MAKE SURE THE BLUE LIGHT GOES OUT BEFORE PROCEEDING.**

Next step is to remove the receiver box cover noting the drain hole positions in the cover. With the receiver connected to a 12VDC power source look inside the box next to the red LED depress the black programming button. The red LED will begin to flash for 15 seconds. Take the Transmitter while the red LED is flashing and depress all buttons one at a time on the transmitter. When you are finished press the black button on the receiver again and the red light will stop blinking and you are now programmed. To test this press a button on your transmitter and the red light on the receiver will come on. Re-install the cover noting drain hole position, depress the "OFF" button on the transmitter to make sure the unit is off.



More info: see www.controlallwireless.com or email sales@controlallwireless.com

12 volt automotive relay installation instructions.

When hooking up external devices like vibrators, clutches, and any items that require more power than the wireless unit allows you must use automotive 40/60 relays and follow the diagram below.

A relay is basically a switching device. The difference is that it can handle more amperage than a typical switch allowing a typical switching device to power high amperage devices.

- 1. 12 volt power from battery connects to pin 30**
- 2. Battery ground connects to pin 85**
- 3. Power in from activation switch or remote connects to pin 86**
- 4. Pin 87 connects to device that needs to be operated. Example valve, motor, lights....**

Note wire that connects to pin 30 must be as large or larger than the device you need to operate that's connected to pin 87

You should fuse or diode protect pin 85 and 87 to prevent back feed.

87a will have power when the unit is idle. This pin is not typically used in applications.

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