

GateCrafters.com wireless exit wand

The GateCrafters.com wireless exit wand consists of a transmitter box, 25 feet of hose, and (if purchased) a 433 receiver.

Connect 4) CR123 lithium batteries to the transmitter. The batteries should last about 6 - 12 months under normal conditions. Once the batteries are connected, the system will need a few seconds to energize. After this time the transmitter will detect vehicles driving over the exit wand. Ensure there is no metal near the wand.

Radio Receiver

There are two options when purchasing the GateCrafters Wireless Exit Sensor: With and Without Receiver Included.

When purchasing or having purchased an Apollo or Estate Swing gate opener from GateCrafters.com you may already have the required receiver included with your gate opener. Or you may have purchased this receiver at some other point with your existing gate opener to increase the range of the radio function. In this scenario you can purchase just the gateCrafters.com wireless exit wand. Below is a picture of the receiver that you will require:



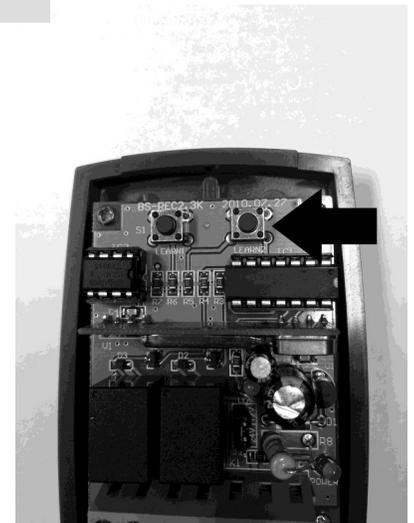
Programming of transmitter to receiver. This step is done after the receiver is wired to your opener and the power light is on (see following page for wiring).

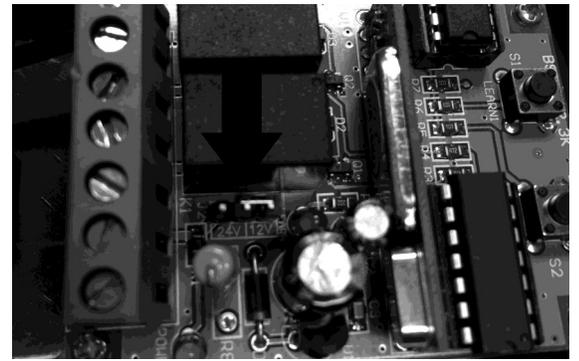
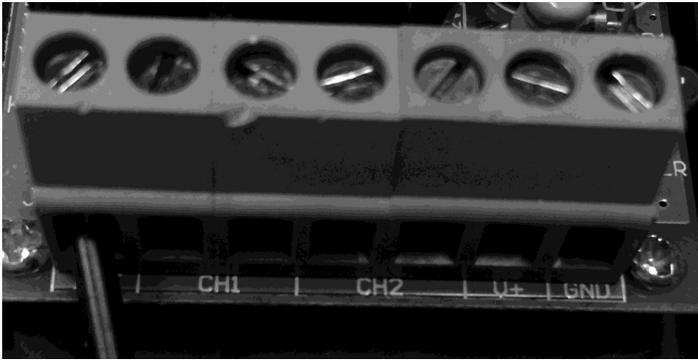
This step will require 2 people

Press and release Learn2, the learn light will illuminate.

Immediately drive past the wand to send a signal.

The learn light should flash and turn off. If the learn light does not flash before turning off the learning mode timed out before it received the signal from driving past the wand, repeat the process.





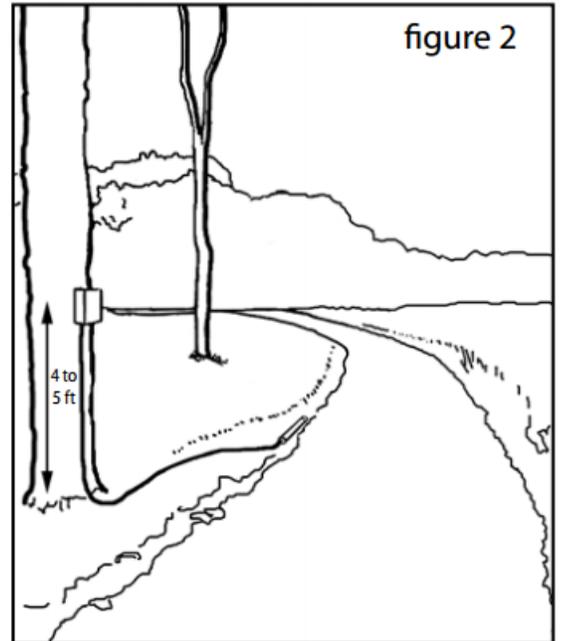
****If receiver is existing in system the V+ and GND terminal connections should not be altered from their current location. Simple add another pair of wires from the two CH2 terminals to the location specified in the chart below.****

	GND **	V+ **	CH2	CH2	Jumper Position
Apollo 835/836	GND	12V	GND	EXIT	12
NICE 1050	(10)GND	(11) V+	(31)GND	(30)Exit	12
ES 1000D/H	GND	12V	Push2	COM	12
ES 300/500	GND	24V	Push2	COM	24
ES/ESC 1600	GND	24V	Push2	COM	24
ES Allegiant	GND	V+	OPEN	COM	12
ES 1100/1102 (set parameter to A1)	#12	#11	#13	#1	12
E-SL 450/BD	GND	+24V	GND	OPEN	24
E-SL1800 (set logic to B or C)	(6) GND	(8) 24V	(2) GND	(1) OPEN A	24
Mighty Mule	Battery -	Battery +	COM	EXIT	12
GTO/PRO	Battery -	Battery +	COM	EXIT	12
Sentry 300	J2 Pin2	J2 Pin1	J2 Pin2	J2 Pin3	12
Patriot	#2	#1	#2	#3	12
CSW200 / SL3000	(5) Radio -	(7) Radio +	(5) Exit Loop	(6) Exit Loop	24
FAAC FSL/W700	Radio - 24	Radio +24	common	OPEN N.O.	24
LA400	Acc Pwr ON -	Acc Pwr ON +	EXIT +	EXIT -	24
LA412	Acc Pwr ON -	Acc Pwr ON +	EXIT +	EXIT -	12

To Install:

Mounting the transmitter:

1. The probe will detect vehicles up to about 10 feet away. Lay the probe beside the driveway, then test the unit by having a car drive by. Once the unit is tested, the probe can be buried. The probe should be buried to a depth of 12 inches, laying parallel to the drive. If your driveway is one car wide, bury the probe right next to the drive (figure 2). If your driveway is two or more cars wide, bury the probe in the middle of the drive.
2. If the probe and wire will be in a high traffic area, it is best to bury both in conduit. The wire should be at least 3 inches below the surface to keep it from being damaged by garden equipment.
3. In order to protect the wire, it would also be best to have it in conduit where it is exposed above ground below the transmitter box.
4. Mount the transmitter box on a wooden post or a tree.
5. For best result the transmitter should be at least 4 to 5 feet off the ground.



When the transmitter detects a car, it will send a coded 433 MHz signal to the gate opener to open the gate. The transmitter module needs to be learned to an existing Estate Swing 433 MHz receiver on channel 2 or will come pre-learned to the receiver on channel 2 if the receiver is being purchased with the pressure exit sensor. See Radio Receiver Section for more details.

Adjusting Sensitivity

There is a dial with 3 sensitivity levels for the exit wand. Clock wise is more sensitive and counter clockwise is less sensitive. The batteries must be removed for the sensitivity to take effect.

