



Gate Crafters Apollo DIY Package Guide

POWER

The only power connected to the Apollo control board will be the battery (not included).

Important: Please respect polarity when attaching the battery terminals. Do not cross wires.

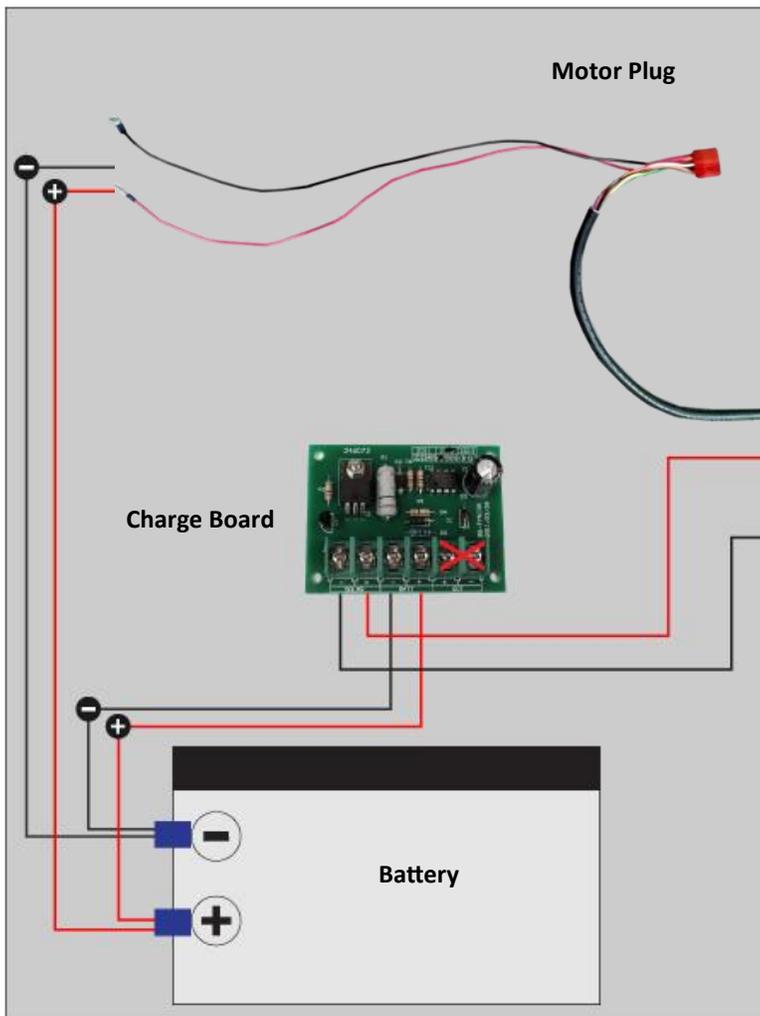
A 12/V 35Ah battery (or higher) power is required for this system. The battery size may be increased for power storage.

Note: Deep cycle marine batteries are available at auto part stores, home stores, and battery stores.

Allow a minimum of 4' of wire between the charge board and the transformer if using the plug-in option.

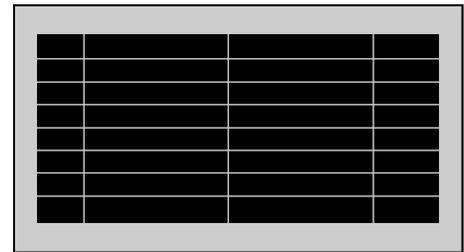
Battery charging is done directly to the battery through a solar panel or charge controller. See the samples below.

Solar Option / Plug-in Option

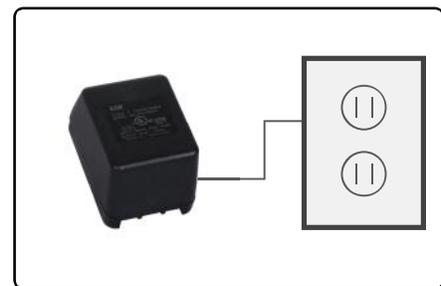


Note: 5 watt and 10 watt solar panels should be connected directly to the battery.

The charge board is for the transformer or a 20 watt solar panel or larger.



or

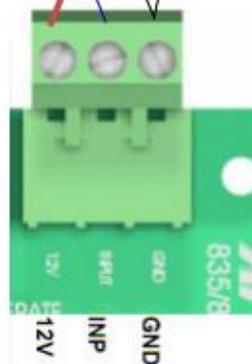


The transformer is not weather proof and must be kept in a covered area.

Plug covers are available from your dealer, contact 1-800-640-GATE for a dealer in your area.

Estate Swing 433 Receiver / Apollo

1. Find a location for the receiver box on the gate post or a fence post that is within 10 feet of the gate opener.
2. Run a wire with at least 4 conductors from the Apollo control box to the location you wish to mount the receiver.
3. Using a #6 screw, attach the top of the receiver to the post. If you are happy with this position, use the small provided set screw in the bottom hole to secure the receiver in place.
4. Connect the terminals seen below to the Apollo terminals seen below.



Left CH1 on receiver = INP on Apollo board
Right CH1 **AND** GND on receiver = GND on Apollo board
V+ on receiver = 12V on Apollo board

NOTE: Remove the factory installed jumper wire in terminals CH1 and GND.

5. The red power light should turn ON in the receiver.



6. Program your remotes to the receiver:

- A. Press and release the LEARN1 button at the top of the receiver board (ex 1). The learn LED will illuminate steady (ex. 2).
- B. Press and hold the button on the remote you wish to program to the receiver.
- C. Hold the remote button until the Learn LED flashes and then turns OFF. (**Caution: Your gate opener may be triggered during this process**)
- D. Repeat A through C for all additional remotes.

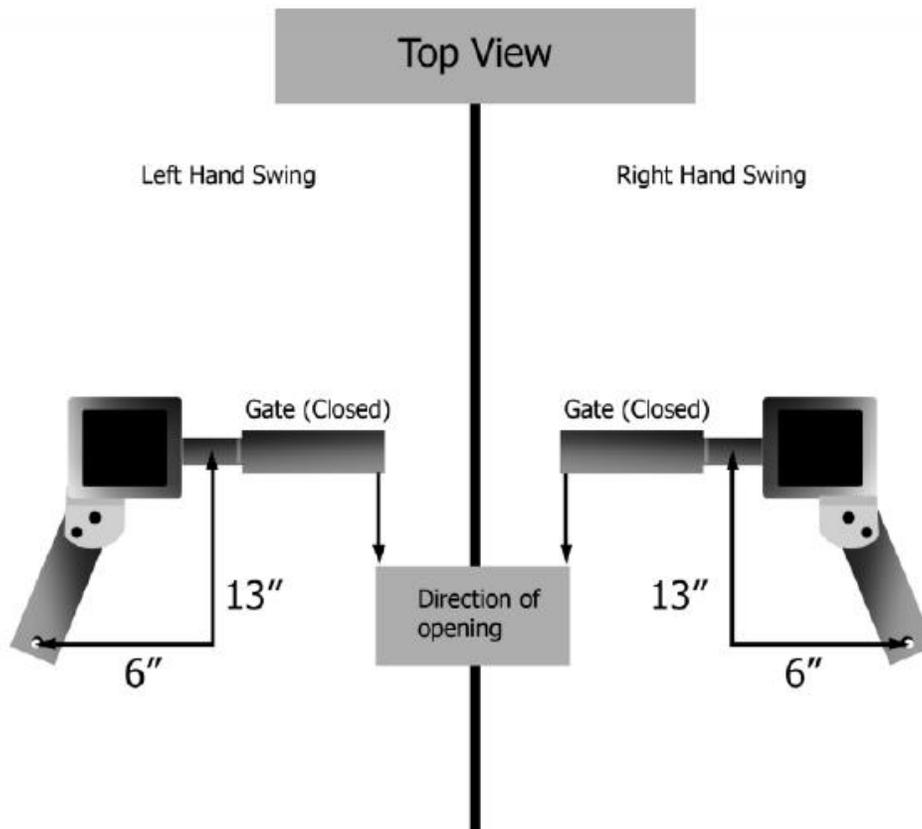


NOTES ABOUT REMOTES:

You can program up to 400 codes into the receiver. This could mean 1 button on 400 different remotes or this could mean all 4 buttons on 100 remotes or anything in between. Some choose to program all 4 buttons to a single receiver if they are not using multiple gates to eliminate pressing the incorrect button on the remote. To do so, follow the programming above with each button of the remote.

IMPORTANT: The receiver is a drip proof receiver. This means it is designed to prevent water from accessing the insides of the receiver when the water is moving downward with gravity (rain for example).

DO NOT mount the receiver anywhere where water may access it from another angle. For example: Do not mount near sprinklers. Do not mount the receiver horizontally. Do not mount near a flat surface where water could splash upwards.



Apollo 1550/1650 Post Mount Instructions

1. When taking measurements for the set back. It is important to measure from the center of the gate hinge, to the center of the hole in the mounting bracket, as accurately as possible. (Note: the placement of the set back has a great influence on whether your gate opens properly or not.)
2. By simply clamping the hinge in place. You may see how the gate will line up, open, or close; and make adjustments accordingly. Keep in mind that you need clearance for the opener, as to avoid hitting the column.
3. The brackets will not pivot or move. So if you succeed in attaining the proper setback and clearance, then bracket position will be negligible.
4. To set the position, start by holding the bottom bracket against the column. Mark the horizontal position by drawing a vertical line up from the middle of the bracket. Also mark the position of the angle bracket while the hole is in the setback position.

- Using the hacksaw, cut off the unneeded length of the tubing.



- Place the angle bracket in between the two brackets, and clamp together. Then using the pre-drilled holes; drill straight through both bracket and tubing using a $3/8$ " drill bit, as in the position of the set back.

- In a position behind the first hole; drill a $5/16$ " hole straight through all three again. This hole helps to secure the position.



- Insert a $3/8$ " bolt, and a $5/16$ " bolt into the holes.
- Secure them with nuts and washers.