

Magnum Spreader Wireless Controller

The wireless controller is a compact unit with two parts. One part is the **Base Unit (Receiver)** and the other part is the **Keyfob (Transmitter)**. The Keyfob is used to send a corresponding signal to the Base Unit to act as a remote switching device.

Set-up and Operation

The Magnum Wireless Controller comes factory programmed. That means matching the Base Unit to the Keyfob has been done by Magnum Spreader. This gives a matched (1 of 16 million combinations @ 418MHz) interface between the Keyfob and Base Unit. See (Fig. 1) for keyfob button assignments. On the 8 button Magnum Spreader Keyfob, all (8) buttons are used when programming. When programmed, only (5) buttons have a function.

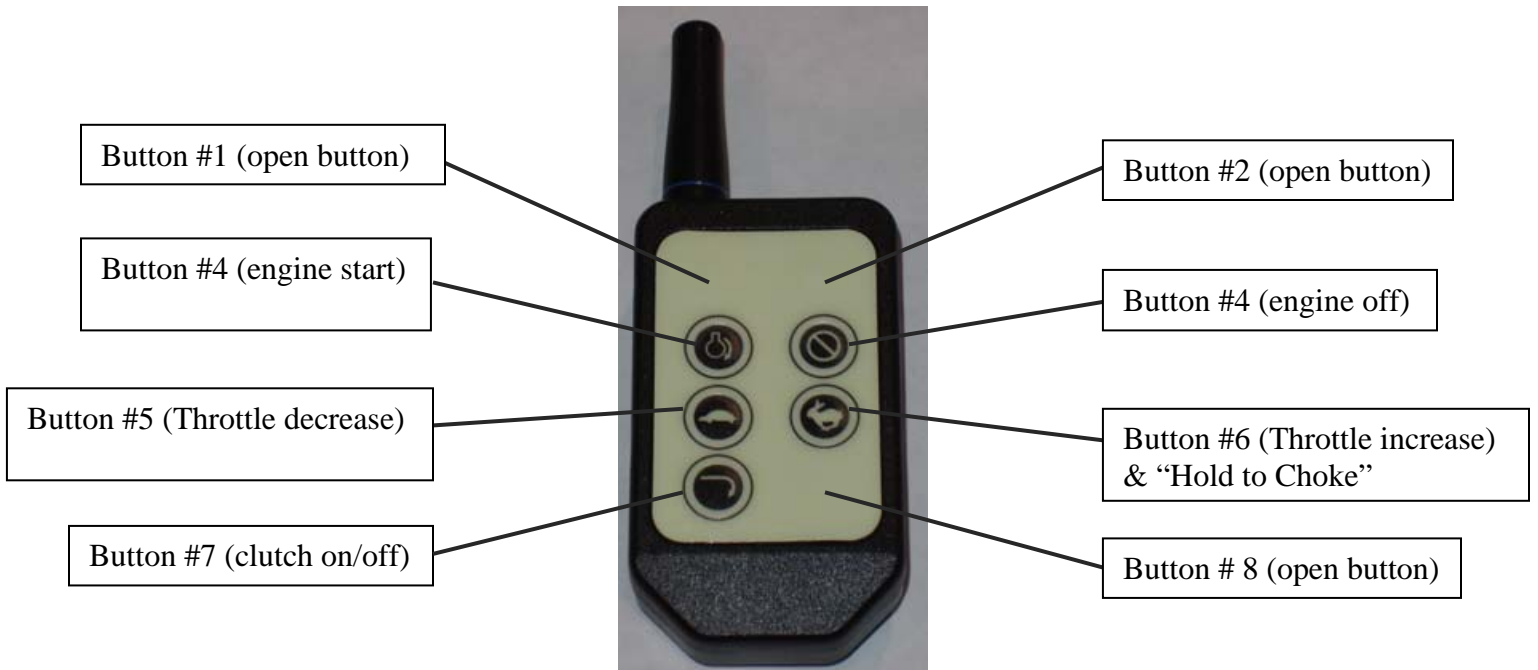


Fig. 1: Keyfob Front Button Assignments



Fig. 1: Keyfob Back Button Assignments

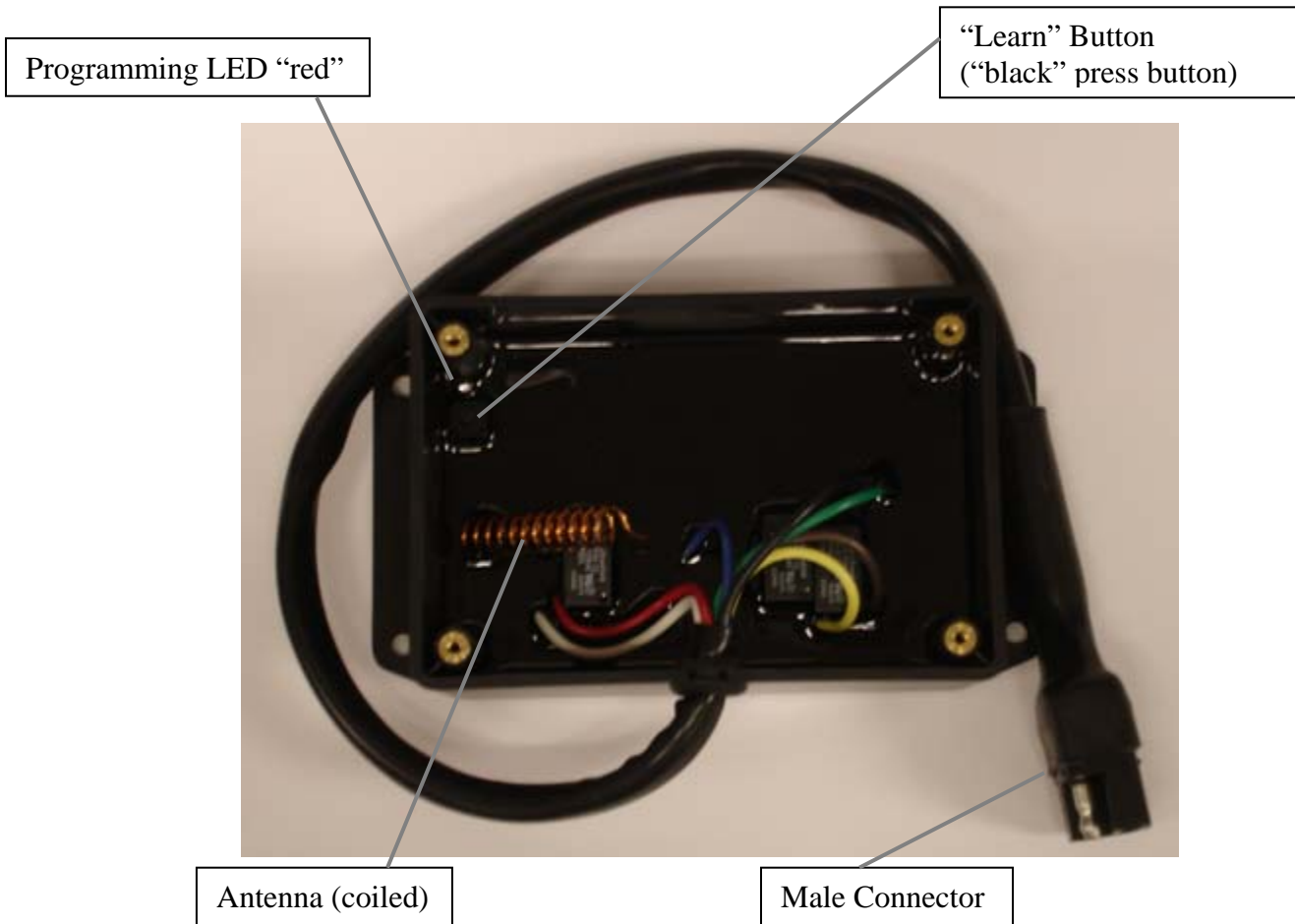


Fig. 2: Base Unit layout (Figure shown without Base Unit Cover)

Programming the Keyfob and the Base Unit:

The next step to the wireless controller installation is to create a 1 in 16 million address between the Keyfob and the Base Unit.

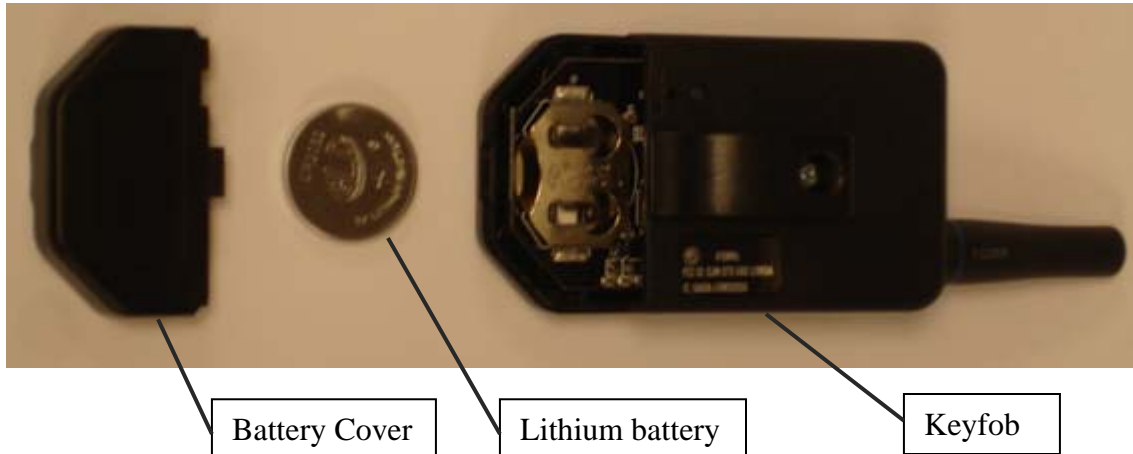
Please follow these steps:

1. Power-up the Base Unit. (Connect and supply a power source to the Male Connector).
2. On the backside of the Keyfob depress the “ADD” button using a paperclip (if working properly the blue LED will blink).
3. Flip the Keyfob over and push all buttons (#1 thru #8). The blue light will automatically turn off after approximately 18 seconds from the time you first push the “ADD” button. The Keyfob is now programmed.
4. On the Base Unit, push the black “Learn” button. The red LED will begin to blink.
5. On the Keyfob push all buttons (#1 thru #8).
6. Again, on the Base Unit, push the black “Learn” button. The red LED will stop blinking. The Base Unit is now addressed to the Keyfob.

Your Magnum Wireless Controller is now ready to use!

Battery Replacement

The Keyfob uses a standard CR2032 lithium button cell battery. In normal use it will provide 1 to 2 years of operation. To replace the Keyfob battery, gently press and slide the battery cover off. Remove the battery by sliding it out from underneath the retainer. Observe the battery polarity when replacing (“+” showing face up).



Other Considerations

Only one transmitter at a time can be activated within a reception area. Only one carrier of a particular frequency may occupy the same airspace at a given time. This means that if two transmitters are activated in the same area at the same time the signals will interfere and the decoder on the receiver will not see a valid transmission and the wireless controller will not function. If the range of the transmitter needs to be increased, contact your supplier and ask about antenna options of up to 1000ft.

Also Magnum Spreader has no control over the intended usage of this product. Because of that Magnum Spreader offers no written or expressed liability as to how this product is used. Magnum Spreader recommends that these units are intended for **OFF ROAD USE ONLY!**

TROUBLE SHOOTING

Follow these steps:

- When the base unit is powered up, make sure the “red” LED comes on when the Keyfob buttons are depressed. If the “red” LED does not come on, the Base Unit is not getting a signal from the Keyfob.. If the battery in the Keyfob is more than 2 years old check battery voltage with a meter or replace battery as needed.
- After completing the above steps and the unit still will not function, follow the procedure, **Programming the Keyfob and the Base Unit.**
- If the unit still will not operate. Check connections to the component that the unit is trying to operate using a voltmeter.

For further technical assistance please contact Magnum Spreader, (216) 486-1313.