

Wireless Controller Conversion Kit for Boss Drag Pro Back Drag Plow

Only sold at SnowplowsPlus.com and ControlAllWireless.com

WARNING: Always unplug the plow or shut off the battery breaker when in transport or not in use.

NOTE: SEE THE QUICK PROGRAM INSTRUCTIONS BEFORE OPERATING THE FIRST TIME. DO NOT REMOVE THE TRANSMITTER BATTERY

Kit Includes:

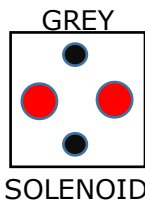
- Wireless transmitter with boot and lanyard
- Receiver with fly in leads
- Connectors
- Power cord, plow side
- Power cord truck side
- Breaker
- 10 amp fuse link
- Solenoid



NOTE: These directions cover our Boss Drag Pro wireless controller kit. If you ordered just the Transmitter and Receiver, without our wiring, you will not have the components of the kit and will need to supply your own in order to complete installation.

Button #	Button Function	Corresponding Wire	Attaches To...
Button #1	Up	Yellow Wire	Single Spade C2
Button #3	Down	Green Wire	Two Coils C1 and C5
Button #2	Both wings retract	Orange Wire	C3
Button #4	Both wings extend	Pink Wire	C6
Button #7	Drivers wing extend	Purple Wire	C7
Button #5	Drivers wing retract	Brown Wire	C4
Button #8	Passenger wing extend	Pink Wire	C6
Button #6	Passenger wing retract	Orange Wire	C3

- Red wire – use 10 amp fuse battery power
- Black wire – goes to motor ground



Connect plow power red cable to one large terminal on solenoid

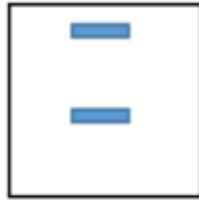
Connect short jumper power cord from other large solenoid terminal

and then to + of plow motor. Black jumper to motor ground.

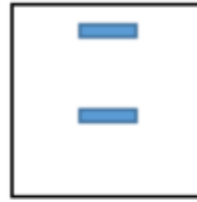
Valve Connections



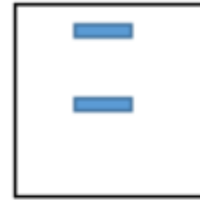
GREEN/BROWN C1



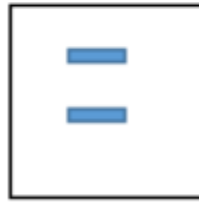
YELLOW/BROWN C2



ORANGE/BROWN C3



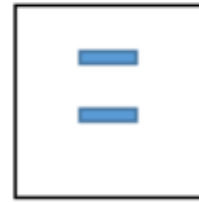
BROWN/BROWN C4



GREEN/BROWN C5



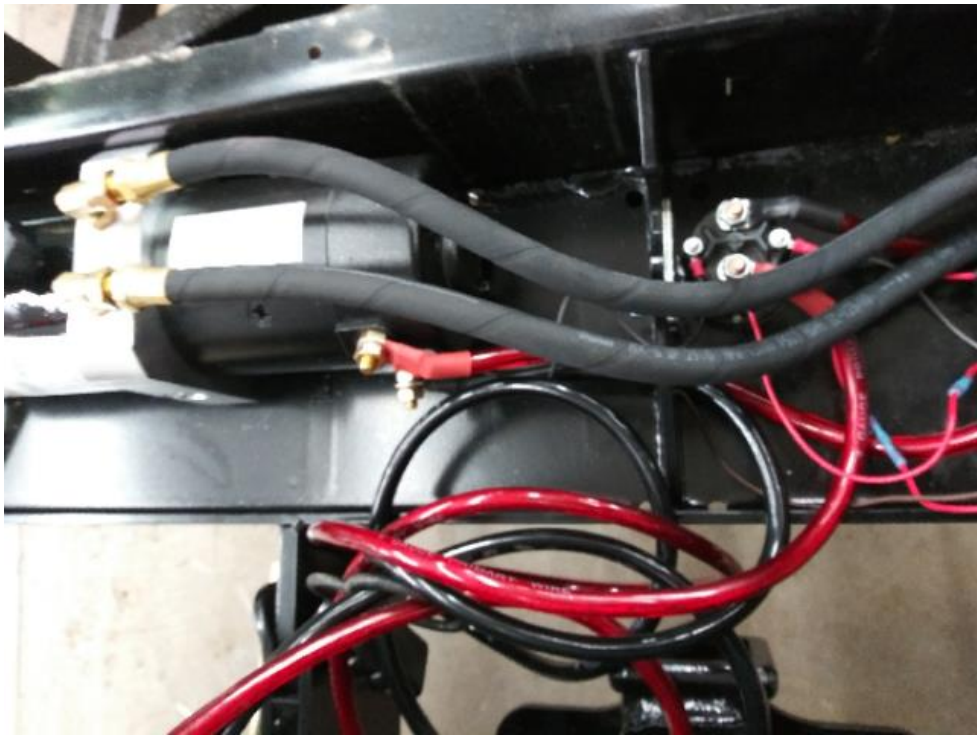
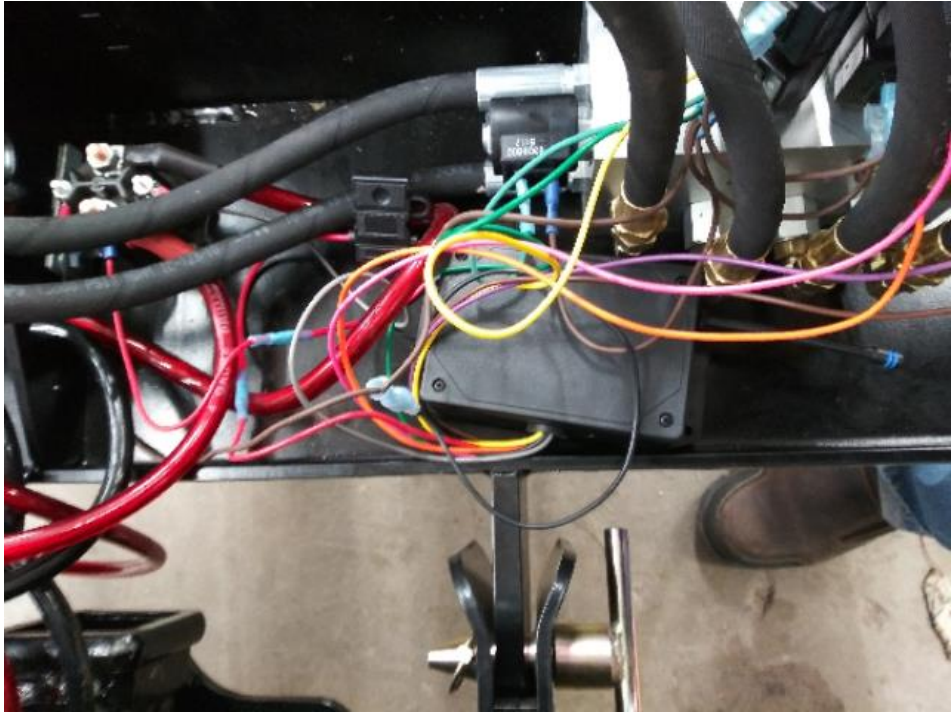
PINK/BROWN C6



PURPLE/BROWN C7

Wiring and Installation Instructions

1. You will use the existing brown harness (ground) which connects to one terminal of each of the valve coils and then to the motor ground.
2. Remove the rest of the OEM valve wiring, module box, switch and plow side power cord (if not being reused) as these items will no longer be needed.
3. Connect the wires from the wireless receiver per the diagram above.
4. Use the supplied fuse link, and fuse on the red wire of the wireless receiver and connect to the always-hot side of the solenoid.
5. Connect the grey wire from the wireless receiver to one of the small posts on the solenoid
6. Connect a black jumper wire from the other small post on the solenoid to the plow motor ground.
7. Install 24' truck side power and ground cord to the battery that is directly connected to the alternator (if dual battery vehicle) using a 300 amp breaker or shut off switch



Programming Small Transmitter to Receiver: [Video link](#) see online

The following are step-by-step procedures for setting the unique address between the transmitter and receiver or adding extra transmitters to the receiver

The following are step-by-step procedures for setting the unique address between the transmitter and receiver or adding extra transmitters to the receiver.



NOTE: You need to be next to the receiver and the receiver needs to have verified 12-volt power and ground connected, along with the receiver cover removed.

1. On the backside of the transmitter key fob, use a paperclip and **GENTLY** insert it in the hole next to the clear blue window. Once the button is pressed, a blue LED will begin to flash for 15 seconds.
2. While the blue light is flashing, Flip the keychain remote over and push and release each button individually.
3. Make sure the blue light stops blinking before proceeding.
4. Look inside the receiver box next to the small red LED light and press the black programming button. The red LED will begin to flash for 15 seconds.
 - a. NOTE: if the flash is dim, check your power and ground connections, clean connections, or repair.
5. While the red LED is flashing, Push and release each single button and release on the keychain remote. The red light will stop blinking after approx. 15 seconds. You have now completed the programming. Test functions
6. Re-install the cover on the receiver.

NOTE: The transmitter battery can last for years. Before removing the battery, you can check if it's still good by using the paperclip method outlined above. As long as the blue light starts flashing, the battery is fine. If you do attempt this, you will need to complete the rest of the programming process.

MT-8 Wireless Transmitter

The MT-8 wireless transmitter is 2.87" x 4.65" in size. This industrial unit can be mated with Control All Wireless's current lineup of wireless receivers. All MT-8 transmitters come from the factory with a pre-install address (1 in 16 million). The MT-8 will transmit up to 8 individual signals to the wireless receiver using buttons 1 thru 8. **NOTE TRANSMITTER WILL HAVE THE APPROPRIATE FUNCTIONS DECAL ON THE TRANSMITTER**

Button Indicator LED.

This LED will light up when you press any of the 8 buttons, and go off when you release the button. If the LED doesn't light up the MT-8 will still work but it's time to change batteries



Programming indicator LED.

This LED will light up for 15 seconds after you press the programming button on the back and will go out on its own.

Programming

- Turn on the transmitter by toggling the switch on top to the right
- Make sure receiver has power and the cover of the receiver is off. You can test if the receiver has power by depressing the black button inside. The right red led will begin to flash if power is present. Wait until the light goes out before continuing with programming.
- You will want to program the MT-8 remote within a couple feet of the receiver
- MT-8 programming hole is found on backside of MT-8
- Using a paperclip carefully depress the button threw the hole on the backside of the MT-8
- Flip the MT-8 over and you will see a red LED flashing on the upper right side of the transmitter. While the LED is flashing, push and release each of the 8 buttons one at a time.
- LED will stop flashing after 15 seconds of pushing programming button. Wait until the light quits flashing before continuing.
- Next depress the black button inside the receiver. The receiver led will begin to flash. Again depress each button one at a time on the transmitter. When finished wait until the receiver light stops blinking. You are now programmed test all functions. Note if a function seems to be missing. Reprogram.



Programming Hole

Battery Cover

Battery Replacement

The MT-8 uses 2 standard Alkaline AA batteries. If the MT-8 is going to be used in below 0 Fahrenheit conditions, we recommend changing the batteries to Lithium. In normal use it will provide 1 to 2 years of operation. To replace the battery, remove the cover on backside of MT-8. Observe the battery polarity when replacing.

In rare instances the batteries may lose connection with the terminals and need to be rolled.

WARRANTY INFORMATION

- 1-year warranty on wireless receiver and wireless transmitter. See specific wireless warranty on the website for in depth details.
- Check online for any updated directions at <https://www.controlallwireless.com> User must maintain good, clean and properly connected connections in order for proper operation and to avoid damage to the receiver as well as possibly voiding the warranty. It is recommended that you use a battery disconnect when the unit is not in use, as continuous powered wiring will enhance corrosion of wiring.
- We have no control over the end user's method used to install our wireless controllers. For any warranty consideration, all units must be sent back for inspection and testing. Burnt boards or any modification of factory wires of any type means that failure to follow proper installation has occurred. With electronics, care needs to be taken and directions need to be followed in order to keep your warranty intact. All warranty claims will require pictures of the installation along with battery, fuse or breaker installation