

ORDERING NEW REMOTES

If an additional remote is needed, it can be ordered by calling Hydra-ReMote Inc @ 1-866-HydraRM (1-866-493-7276)

TROUBLESHOOTING

Here are a few troubleshooting hints in the event of problem:

Plow will not operate:

- 1) Check to make sure power is turned on. The LED should be green in color.
- 2) Make sure the plow wiring harness and receiver power cord connectors are completely seated.
- 3) Try the second transmitter (remote) to determine if it is a transmitter malfunction.
- 4) If a hard-wired handheld unit is available, try it to determine if the problem is in the plow wiring harness or plow.
- 5) Make sure the serial number on the receiver and the transmitter (remote) match. The serial number is located on the back side of remote and receiver box.

Intermittent plow functions:

- 1) Make sure there are no obstructions between the antenna (power cable) and the remote.
- 2) Slightly move the receiver left, right, up or down slightly (one or two inches). RF devices will experience some areas of minimal radio reception.
- 3) Make sure cellular phones or other two way radios are not in operation and in close proximity of the antenna.

WARRANTY

The Hydra-V wireless controller's two year limited warranty covers any failure due to manufacturer's material or workmanship. The warranty period begins on the date of consumer purchase. Please contact Hydra-ReMote Inc. to obtain a return authorization prior to returning the unit.

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Phone: (574) 643-6500 or (866) HydraRM



HYDRA-V WIRELESS SNOW PLOW REMOTE CONTROL

Congratulations on your purchase of a Hydra-V Wireless remote control for your snowplow.

INSTALLATION

This device is extremely simple to install and operate. Installation should be accomplished without any special tools.

- 1) Make sure the toggle switch on the top of the receiver is down (OFF position).
- 2) Turn off all power to the plow. Most plow installations use ignition, but some are directly wired to battery.
- 3) Choose a location (usually on the driver's kick panel) where the receiver cord will plug into the existing snow plow connection. The receiver uses the power cable as the antenna, so a location should be chosen to provide a line of sight between the cable and wireless remote. This is to minimize "dead" spots, which may occur during the plow operation. Position the wire away from any cellular phones, two-way radios, etc. as this is a RF device and performance can be affected by close proximity to such devices.
- 4) Apply the Velcro provided on the location chosen and then apply the mating Velcro to the backside of the controller (non-label side).
- 5) Plug the controller into the existing snow plow connector.
- 6) Apply power to the plow.
- 7) Flip the toggle switch on the unit up to the ON position and check to see if the LED illuminates green.
- 8) If not, check that the snow plow is powered and ready to be operated with a control.
- 9) If the snow plow does not function, refer to the troubleshooting section for additional information.

OPERATING THE REMOTE

Operation of the wireless remote is extremely simple and with a short amount of use it will become completely second nature to most operators.

The controller is designed with ease of operation in mind. This is shown in the simple six button/ten function control.

NEVER attempt operation outside of vehicle with this remote. It is designed for limited range and will not reliably operate outside of the vehicle.



Pressing **SCOOP** button A will bring the plow into a scoop position by automatically positioning both wings forward.

Pressing **VEE** will bring the plow into a V position by automatically releasing both wings to return to their rest position.

Pressing **LEFT** will bring the plow into a left angle position by automatically positioning the right wing forward and returning the left wing to it's rest position.

Pressing **RIGHT** will bring the plow into a right angle position by automatically positioning the left wing forward and returning the right wing to it's rest position.

Pressing **UP** will raise the plow.

Pressing **DOWN** will lower the plow. By holding the button for 1 second or more the plow will go into the "float" mode. The receiver's green power LED will turn RED during float condition. Float will operate with all other plow functions and will not be disabled until the lift **UP** is pressed.

When raising the plow a few other button functions are allowed to be operated simultaneously.

Scoop, Right Angle, and Left Angle are all functions allowed to operate with the **UP** button.

As a safety feature, the **DOWN** button is a dedicated button. No other function is allowed to operate with **DOWN**.

Independent wing operation is accomplished by pushing the corners of the four large function buttons.

Pressing **SCOOP** with **LEFT** will extend the left wing forward.

Pressing **SCOOP** with **RIGHT** will extend the right wing forward.

Pressing **VEE** with **LEFT** will retract the left wing to retract.

Pressing **VEE** with **RIGHT** will retract the right wing.

These functions are the four least used functions of the ten. Consequently they require dual button pushes.

Upon transporting plow ALWAYS shut off the toggle switch at the top of the receiver.

CHANGING OF TRANSMIT CODES

In some instances multiple Hydra-V remotes may be operating in the same general area. If this occurs, there are 256 different codes available for each controller.

To change the code, disconnect the power cable from the snow plow wiring harness. Remove the four screws on the receiver box. Set the eight dip switches to a different code. Open the transmitter remote by removing the Phillips screw on the back. Set the eight dip switches to the same code as the receiver.

From the factory the code is set per the serial number of the unit. If multiple units were ordered at the same time all codes will be different. The serial number is located on the back of the remote and receiver box.

CHANGING REMOTE BATTERY

Should the need arise to change the remote battery, open the unit as described above. Remove the battery and replace with a CR 2032 battery.

ALWAYS make sure the receiver is turned off when opening the working on remote control. The plow could operate during this time if the receiver is not turned off.

Instructions to the User:

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.