



TECH NOTE:	09-004
TITLE:	Use Manual Mode for Control of Accessory Hydraulic Circuit
DATE:	04/30/09
REVISION:	1.0

Description: this Technote summarizes the use of SpreadSmart Rx™ manual mode for control of an accessory hydraulic circuit on a vehicle.

Background: Automatic and No Ground Speed Control modes are designed for calibrated operation of granular and liquid systems in snow and ice applications. Manual Mode allows “un-calibrated” operation of a central hydraulic system.

SpreadSmart Rx Set up for Accessory use of Manual Mode:

- a. Ground speed trigger for manual mode must be turned “off,” (in setup menu);
 - i. Allows hydraulic operation while truck is standing still;
 - ii. This setting change will apply to Manual mode all year round until changed back to “on.”

To Make this Change to Configuration of System

Power up the unit & when the “mode” screen is displayed, simultaneously hold the auger and pre-wet switches down to enter the “configuration screen.” You will be asked for a password, enter it using the spinner controls to change the digits, and the blast/pass controls to change cursor positions. Run the cursor past the end of the password to enter “Configuration screen”. Because changing settings without authorization can result in performance variation, this password should only be given to authorized personnel. Move the arrow to “System set up” and select “pass” to enter the system set up.

- a) Scroll down to Manual GS Trigger: allows user to choose if Manual mode has a ground speed trigger or not. Default is Yes (spreading is triggered when the truck is moving and stopped when the truck stops).
 - Set to “no,” which allows hydraulic operation anytime the control for the channel is set above zero.
 - Use “Blast” key to save settings and return to menu screen.

Operational Recommendation

1. Choose Manual mode;
2. Use SpreadSmart Rx keypad to turn off the pre-wet and anti-ice sections of the controller.
3. Run broom in “Manual mode” - displays auger and spinner in % of total hydraulic output
 - iii. Testing necessary to determine what % starts the equipment;
4. “Pass on” will stop auger and spinner operation together.
5. “Pass off” allows the broom to return to its previous speed.
6. On/Off switch for granular section will stop flow of hydraulic oil to the auger and spinner together;