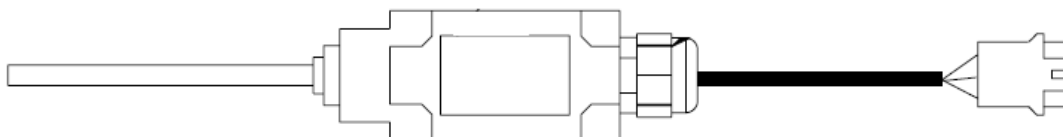5 May 2011

FM-1000 Integrated Display and FM-750 Display: Configuring Remote Coverage Logging

You can configure the FM-1000® integrated display and the FM-750™ display to control coverage mapping using a switch on the implement instead of the **Logging** button on the *Run* screen. This document describes how to connect the implement switch to the display and how to configure the display to use the switch to control the logging.

Installing the Logging option

1. Install a switch on the implement to allow for correct switch activation when the implement is raised or lowered. For example, a switch similar to the P/N ZTN60477S (shown below), can be used to activate the coverage logging.

SIGNAL	SWITCH	COLOR	SHROUD
5V	I3	GREEN	A
SIGNAL	I4	BLACK	B
	N/C	RED	C

2. The switch must make and break the connection on pins 10 and 11 on the FM-1000 or FM-750 port connector.

    For example, to use the ZTN60477S switch:

    a. Connect pin A of the switch to pin 10 of the 12-pin Deutsch connector on Port A or Port B of the FM-1000 integrated display, or Port A only of the FM-750 display.

    b. Connect pin B of the switch to pin 11 of the 12-pin Deutsch connector on Port A or Port B of the FM-1000 integrated display, or Port A only of the FM-750 display.

    Doing this results in the connection being made between pins 10 and 11 of Port A or B of the FM-1000 integrated display, or Port A only of the FM-750 display, when the implement is raised or lowered.

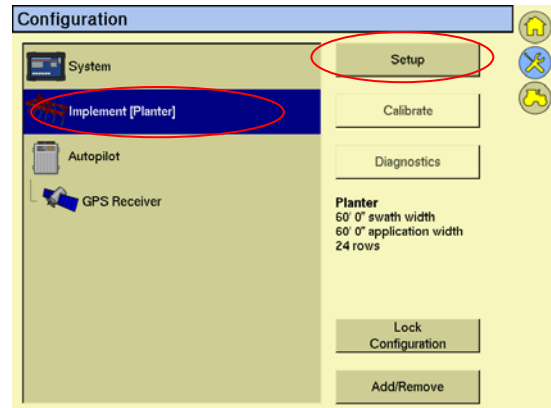**Trimble Navigation Limited, Agriculture Division, 10355 Westmoor Drive, Suite #100, Westminster, CO 80021, USA**

Note: If Ports A or B are used by other cabling, you can use the port replicator on the cable to connect the remote logging switch.

Note: If you use a different switch, the connections may be different than described in this example.
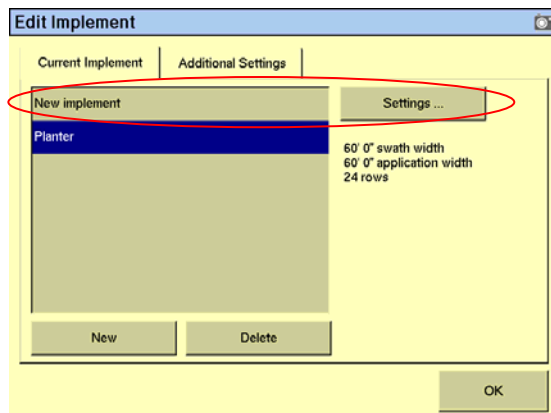
Configuring the FM-1000 integrated display

Do the following to configure the display to allow the switch to control coverage logging correctly.
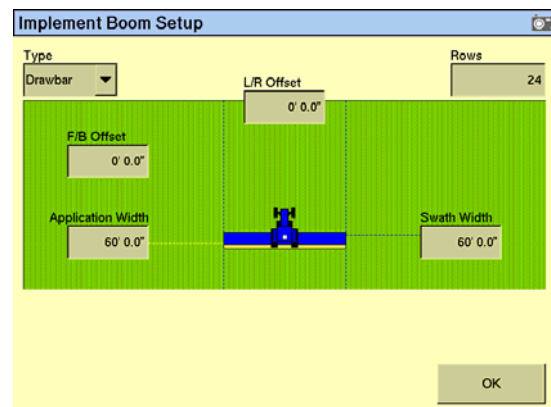
1. Tap the Wrench icon on the right side of the screen.

2. Select *Implement* and then tap **Setup**.
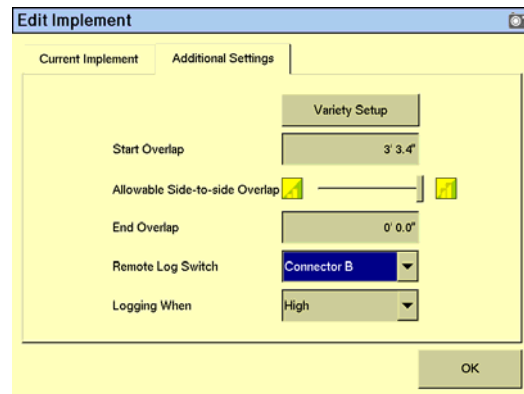

3. Tap **New** to create an implement.

4. Do one of the following:

   - Select *New Implement* and then tap **Settings**.

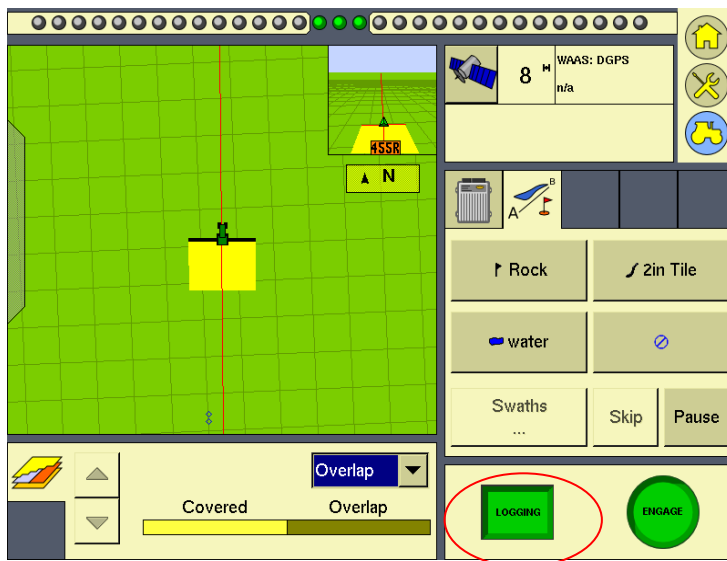   - If you previously created the implement, select it and then tap **Settings**.

5. Configure the settings required for the implement widths and offsets.

6. Change the *Remote Log Switch* option to the FM-1000 port to which the remote logging switch is connected.

7. Change the *Logging When* option. Select one of the following:

   - *High* – logging occurs when the circuit is closed.

   - *Low* – logging occurs when the circuit is open.

8. Tap **OK** when completed and then return to the Run screen.

If the display is configured correctly, the **Logging** button on the Run screen activates when the implement is lowered.
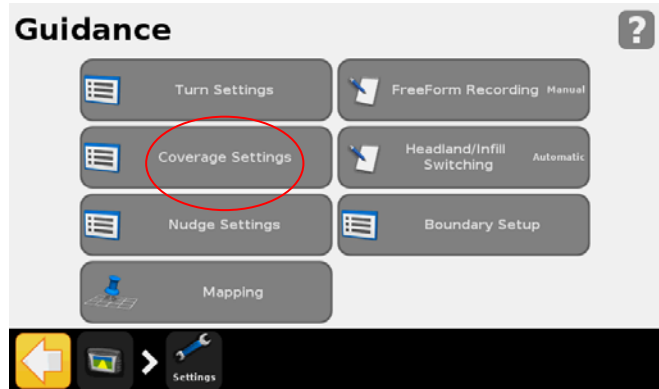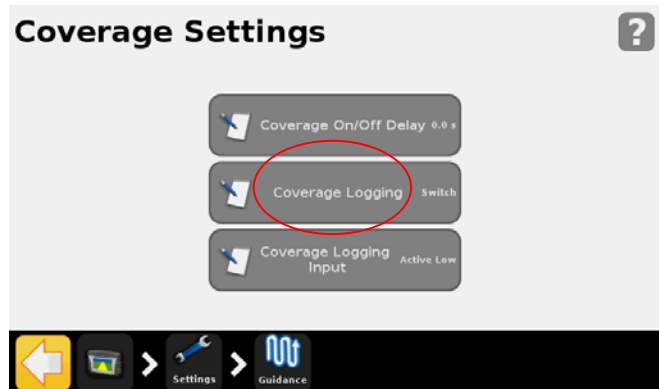
Configuring the FM-750 display

1. Tap the Wrench icon on the left side of the screen.

2. In the *Settings* screen tap **Guidance**.

3. Tap **Coverage Settings**.

4. Tap **Coverage Logging.**

5. Tap **Switch**.