

## Installation Instructions

- For safety and longevity, your new wheels have been shipped with the battery packs disconnected and partially charged. You will need to pry gently under the inner edge of the red ring to get under the outer edge of the blue vinyl skirt and remove it. (pic1) This will reveal the battery cover. (pic2) Remove the four Phillips screws and remove the cover. Using the supplied charger, charge the battery pack fully. When fully charged, reconnect the battery to the sensor pack and reinstall the battery cover and vinyl skirt. When all wheels have been charged they are ready to be installed on your planter.
- Install Winmate monitor in tractor cab using supplied hardware. The monitor does not require frequent input from the operator so it should be in a position that is easily scanned but does not have to be within easy reach if space is limited. Before mounting you should remove the three small Phillips screws from the SIM card cover and remove the cover (pic 3). Use supplied SIM card tool and remove SIM card tray (pic 4). Insert your nano sized SIM card with notched end in and printing facing up in the SIM tray (green highlighted space pic 5). Push Sim card tray gently into place and re-install cover with three screws.
- Install dual LTE/GPS antennae on tractor roof as high as possible but out of harms way. Connect the three wires from the antennae to the labelled locations on the monitor. (pic 6)
- Run the provided 50" Ethernet cable from the cab of the tractor to the planter. There is more than enough cable provided to to leave slack where needed and have cable securely held in place. We have included two cables with one intended as a spare. Mount the AP (access point) unit to the underside rear of the planter in a central location using the supplied magnetic mount. (pic 7) Plug the Ethernet cable into the labelled location on the monitor and to the red marked port on the Access Point (pic 8) Coil surplus cable and secure out of harms way.
- Plug power cable into monitor and thread locking collar in place. Pay close attention to the orientation of the male end of the plug in relation to the locating notch on the monitor. (pic 9) Attach green ground cable on the power cable to a well grounded location. Plug power cable into power outlet inside cab. If there is a need to switch to a different type of power cable plug please refer to the wiring diagram to maintain the proper configuration.



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**Bluefield Seeding**  
Solutions Inc.


Thank you for choosing our Seed Sensing Technology

## Quick Start Guide

**1. POWERING SYSTEM** The Seed Sensing monitor comes prewired to use ignition power, turning on and off automatically with the tractor. The power button on the monitor itself can also be used to power on and off the device.

- If the system is not on and the tractor ignition is on, press the power button on the front of the monitor to power up monitor. The system typically takes less than 2 minutes to start up.
- Any icons that are **blue** on the main screen are selectable/adjustable.
- The Seed Sensing wheels will wake up and go to sleep automatically.
- Use the function keys on the bottom of the monitor to adjust display settings if necessary. Consult the Winmate User Manual for more detail as needed.

**2. SYSTEM INFO** Please verify that **Planter info** is correct. All systems are shipped with a planter width of 220" and planter name "System 1", change as necessary.


- Press **Settings** icon, then press the Planter tab to verify that Planter width and Planter unit name is correct.
- If changes are required **Save** changes before leaving this page.
- Hit home button  in top left corner to return to the main screen.

**3. CREATING A NEW FIELD** The system must have an **Active Field** to function.

- Select **New Field**, enter the appropriate field data in New Field page.
- Estimate what the spacing is going to be for this field/seed lot and adjust the **Target Spacing** accordingly. This can also be adjusted while planting. If known, enter in the **Average Seed Piece Weight**, this will enable the system to produce a Cwt/ac and Total Cwt estimate of seed usage.
- Upon completion, press **Open New Field** to continue. The **Active Field** icon will now be blue in the bottom right corner of the main screen. Repeat this process as needed.

**4. DURING PLANTING** On the main screen, it typical takes less than a minute to build up the percentage bars of each row of the of **Ideal** placed seed. Each bar is the % value of the last 200 placements for each row.

- Monitor the **Avg. Spacing** in the right margin of the main screen to confirm that the planter is producing the desired spacing. If not, adjust planter accordingly.
- Adjust **Target Spacing** to match **Avg. Spacing**. The entered **Target Spacing** is the distance the system uses to evaluate each seed placement.

**5. ACTIVE FIELD** Pressing **Active Field** takes you to the **Field Summary** page of the field currently being planted where the accumulated seeding data can be viewed. Press the home button  in top left corner to return to the main screen.

**6. FIELD LOGS** To view any previously planted fields or seed lots, press the **Field Logs** icon. This will take you to the **Field Logs** page where all planting records are listed in chronological order. The accumulated seeding data can be viewed by touching on that particular planting record. Each planting record can be reopened by press **Reopen** to continue planting in that field or seed lot again.

7. To access BSSI's web application, please log on at <https://data.bluefieldseedingsolutions.com/login> using the username and password provided. You may also login via the link on our website at [www.Bluefieldseedingsolutions.com](http://www.Bluefieldseedingsolutions.com)

