

Insight Cable Connections to Mid-Tech Controllers with Datalink

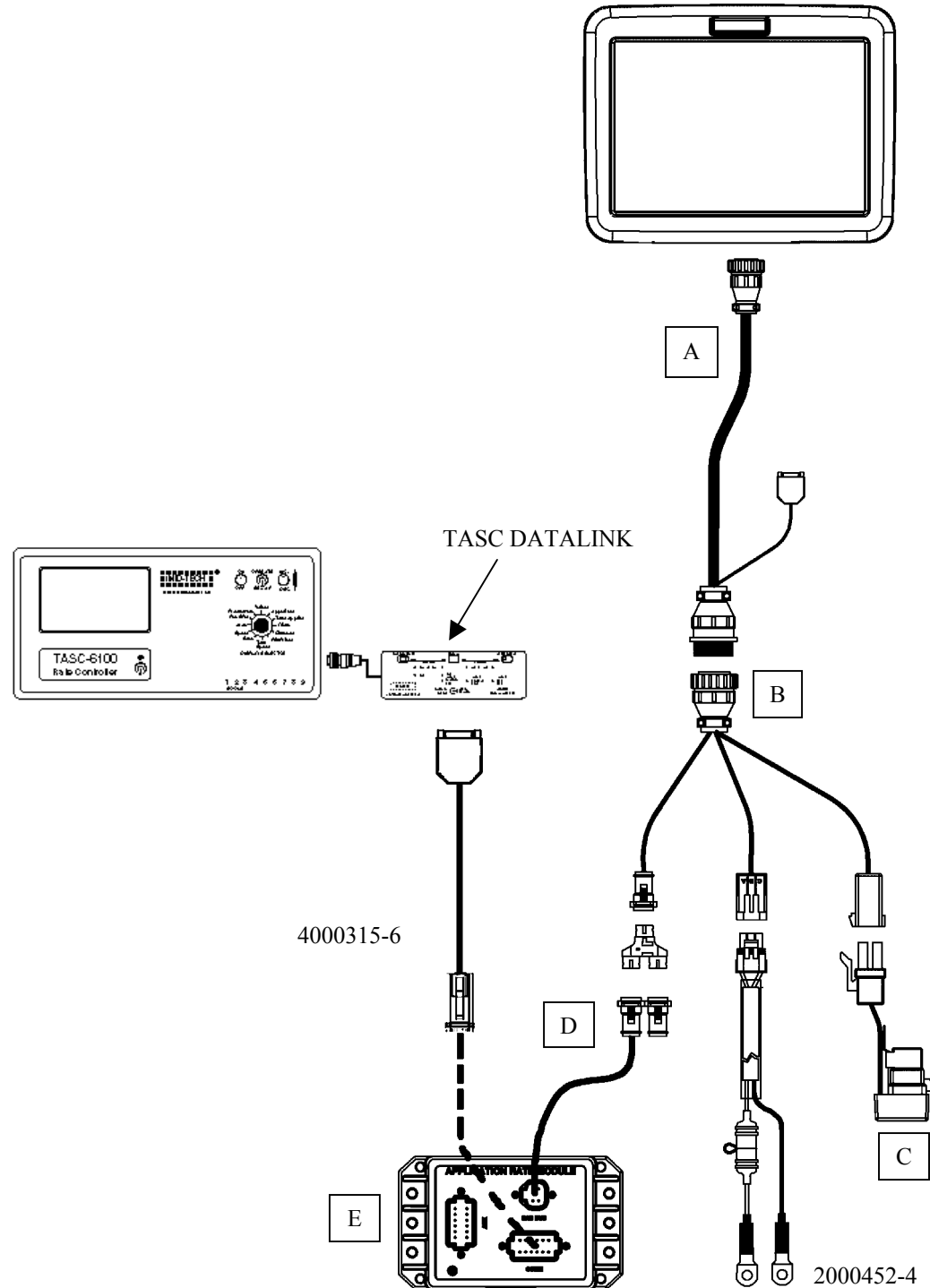
4100500 – Tractor Kit (A thru E)

- A-4000306-10 - Display Cable (10ft)
- B-4000307-1 - Distribution Cable
- C-4000379 - Pwr Control Relay
- D-4000318-3 - CAN stub (1.5ft)
- E-4000160 - CAN App Rate Module

2000452-4 - Battery Power Cable (15ft)


4000315-6 - Serial Cable – null modem

Rawson Accu-Rate or Accu-Plant
New Leader Mark III or Mark IV
Mid-Tech Ag Logix & TASC controllers




First Time Startup (Grower / Field Management)

Note: You must perform the initial Grower/Field Management section before you can perform any operation on the Insight display.

Power on the Insight by pushing the WHITE POWER BUTTON , which can be found on the back lower left hand corner of the display	
	Press the SETUP button to begin your initial setup (located on the right hand side of the display.)
1	Press the GROWER/FIELD MANAGEMENT button.
2	To add a new Grower to the system, press the ADD button under the Grower tab.
3	Press the NEW button to begin adding grower information
	3a Press the KEYBOARD button to enter a Business name. (If you are using desktop software it is recommended to use the same names as in the software.)
	3b Once you have entered the Business name push the ACCEPT button to return to the Business/Person Setup screen. Press the NEXT button.
	3c Type the first and last name of the contact person for the Business using the keyboard on the display.
	3d Press the FINISH button when finished entering information for the current grower.
	3e If you wish to add additional growers, return to step 3 above. If you are done entering growers, press the ACCEPT button.
4	Select the SEASON tab.
	4a Press the NEW SEASON button.
	4b Use the name provided or enter a name of your choice.
	4c Press the ACCEPT button when finished.
5	Select the FIELD tab.
	5a Verify that the current grower is displayed in the Grower Window. If the current grower is not displayed, choose the correct one from the list.
	5b To enter farms and fields, press the ADD button. Select a farm from the list, or press the NEW button to enter a new farm name. Press NEXT to proceed.
	5c Press the NEW button to add fields to the farm. Use the keyboard to type the field name and then press ACCEPT . Repeat this step until all fields are entered for the farm.
	5d Press the FINISH button when finished. If you have additional fields, it is recommended to enter them all at this time.
6	Once finished with Grower/Field Management setup you may press the SETUP button to return to the setup screen or the Run button to proceed to the main operating screen.

Application Setup (Mid-Tech Controllers w/ Datalink)

Note: The setup wizard built into the Insight will walk you through the steps listed below.


APPLICATION CONFIGURATION	
	Press the SETUP button to begin your initial setup (located on the right hand side of the display.)
Press the APPLICATION button to enter the app rate configuration screen.	
Press the ADD button to start the setup wizard to create a new configuration.	
Step 1	Vehicle Setup - Select the desired vehicle from the list then press NEXT and proceed to step 2. If your vehicle is not listed press the NEW button and proceed to 1a.
	Step 1a Select correct Vehicle Type from the list and press the NEXT button.
	Step 1b Press the KEYBOARD button to enter the vehicle Make and Model information. (These settings are OPTIONAL).
	Step 1c Once the Make and Model information is entered press the Next button.
	Step 1d If using a Self-Propelled Spreader or Sprayer, you will be prompted to enter a full swath width, number of boom sections and boom widths. (This step is skipped if using a Tractor, ATV, or Pickup Truck)
	Step 1e The Vehicle name will default to the Make and Model you entered in step 2. If you would like to edit the name press the KEY BOARD button and type your preferred name. Press the ACCEPT button when finished.
	Step 1f Press the FINISH button to save your vehicle and proceed to Step 2.
Step 2	Select the desired implement from the list then press NEXT and proceed to step 3. If your vehicle is not listed press the NEW button and proceed to 2a. Note: This step is skipped with Self-Propelled Spreaders or Sprayers
	Step 2a Select correct Implement Attachment Method and press the NEXT button.
	Step 2b Enter appropriate swath width, number of boom sections, boom widths and distance from hitch to application point. When finished, press the NEXT button to proceed
	Step 2c Press the KEYBOARD button to enter an implement name. Press the ACCEPT button when finished.
	Step 2d Press the FINISH button to save your implement settings and proceed to Step 3.

APPLICATION CONFIGURATION (cont.)	
Step 3	Select the desired controller configuration from the list and press NEXT and proceed to Step 3d. If the desired controller is not listed, press the NEW button and proceed to Step 3a.
Step 3a	Controller Setup – Select <i>Serial Controller</i> from the Device window and press the NEXT button.
Step 3b	Select the correct make and model from the lists provided. If your controller is not listed, the Insight is not compatible on its current version. Press the NEXT button when finished.
Step 3c	The Controller name will default to the selected Controller Make and Model. If you would like to edit the name, press the KEYBOARD button and type the preferred name and press the ACCEPT button. Press the FINISH button to save your Controller Type.
Step 3d	If using a 6200, 6300, 6500 or 6600 select the channel that will be controlled/logged from and press the NEXT button. If not using one of the above controllers, proceed to Step 3e.
Step 3e	Select the desired Target Rate Increment from the list and press the NEXT button when finished.
Step 3f	Set the Controller Operating Mode. If using an Ag Logix model, select according to mode in controller. To view mode of Ag Logix, move dial to “Total Applied” hold switch to “-“ position. If “L” set to <i>Liquid</i> . If “Gr” set to <i>Granular</i> . If using a TASC Controller, set to <i>Liquid</i> or <i>Granular</i> .
Step 4	Select the desired Ground Speed Source. In most cases GPS will be the primary speed source with Wheel or Radar as the backup. If you are using a backup ground speed source it is recommended that you calibrate it before the season begins. Press NEXT . (Ground Speed calibrations are completed under the CALIBRATE DISTANCE button on the Application Rate Configuration Screen.)
Step 5	The Configuration name will default to a name based on your previous configuration settings. If you would like to edit the name press the KEYBOARD button and type the preferred name. Press the ACCEPT button when finished. Press the FINISH button to save your Configuration.

Note: The Datalink must be set to “External Enable” for the Insight to establish communication with controller. Channel switch on Mid-Tech, must be in the “Alt-Rate” position for Insight to send target rate to controller. If you do not want the Insight to control the target rate, but want it to record the actual rate from a channel, set the channel switch on Mid-Tech to “ON” or “Standard” (exception: on Ag Logix, Insight can not receive actual rate without controlling target rate)

Configuration Settings	
Step 6	Additional settings may be necessary for proper operation. Highlight the desired configuration from the Configuration Window and press the CONFIGURATION SETTINGS button to adjust these settings.
Step 6a	Many of these settings have already been set through the wizard. New settings include: Target Rate Outside Field: (Only pertains to .tgt files) Set to <i>ZERO</i> if you want the rate outside the field to be zero. Set to <i>USE LAST</i> if you want the rate to be the last rate used at the time the vehicle is detected outside the field. This is useful when experiencing problems with the vehicle being falsely detected outside of the field during the outside pass. Set to <i>TGT DEFAULT</i> if you want the rate outside the field to be the default rate stored in the target rate file. Controller Time Delay: Set to 3 seconds. Press the ACCEPT button when finished.

PRODUCT SETUP	
Select the PRODUCT tab in the Application menu to setup your products.	
Step 7	Press the ADD button to begin the Product Setup Wizard.
Step 7a	Select the appropriate Product Type from the list and press NEXT and proceed to 7b. If <i>Fertilizer</i> is selected, proceed to 7d.
Step 7b	If <i>Planted Seed</i> was selected you will be asked to identify which crop it belongs to. If any other product type is selected you will be asked to set the units which will be logged. Press the NEXT button when finished.
Step 7c	Press the KEYBOARD button to label the product’s manufacturer (optional) and name (required). Press the FINISH button to save your Product.
Step 7d	If <i>Fertilizer</i> was selected you will then need to choose the fertilizer that you will be applying. If the fertilizer that you are applying is not in the list choose <i>User Defined</i> . Press NEXT when finished.
Step 7e	Press the KEYBOARD button to label the fertilizer’s manufacturer (optional). Press the FINISH button to save your product.

Operation		
Step 1		Press the RUN button to enter your main operating screen (located on the lower right hand side of the display.)
Step 2	Press the FIELD button to select which field you will be logging to.	
	Step 2a	Select the appropriate Grower, Field, Operating Configuration, and Product from the lists. If your item is not listed, refer to the appropriate section in this guide to set it up. If you are applying the same product multiple times during a single season, you can create a new Operational Instance by pressing the Change button next to Operational Instance.
	Press the ACCEPT button when finished.	
Step 2b	If data has not been logged to the current field, a window to select the Region will appear. The name may be edited by selecting the EDIT NAME button or you may press ACCEPT to use the default.	