

20|20

Fendt Momentum Setup
Gen 3 20|20 – 2024.1.x Software

 Precision Planting®

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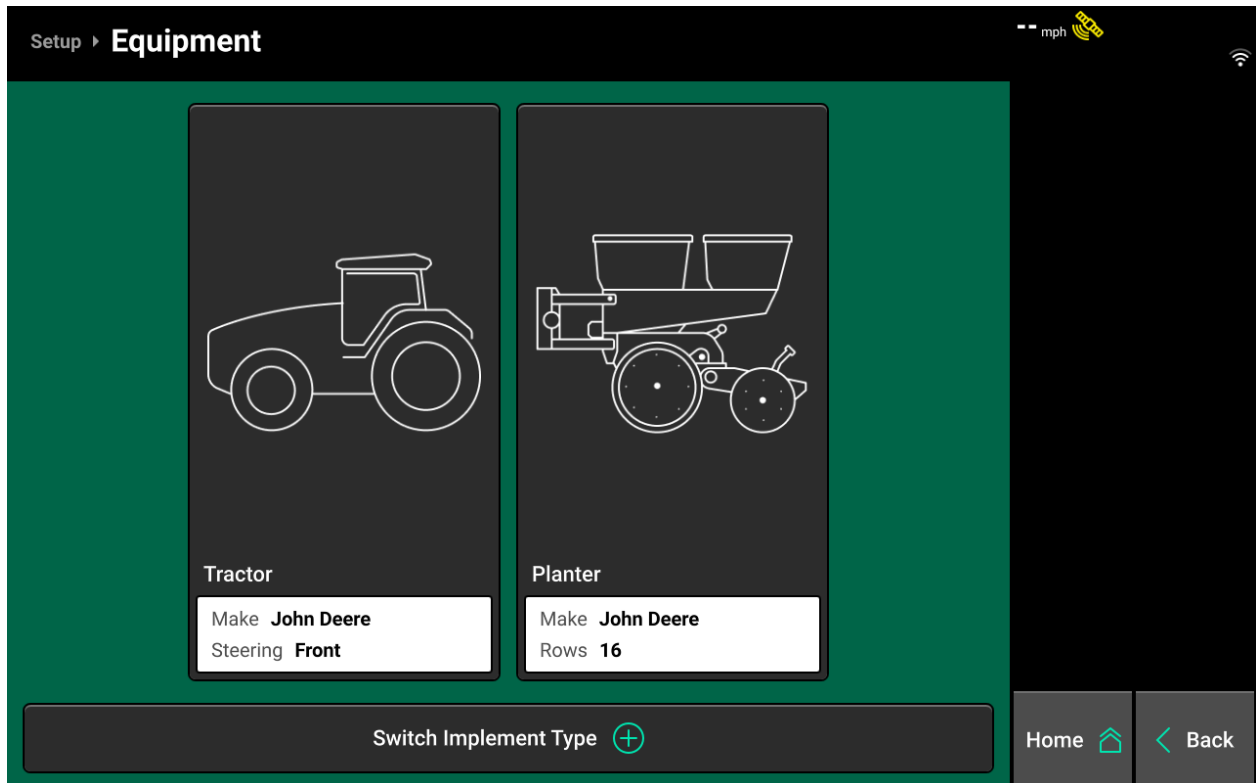
Overview

When using the Gen 3 20|20 with 2024.1.x software installed on a Fendt Momentum planter, there will be additional steps in both harnessing and implement hardware setup. This guide will detail these steps, and provide an overview of planter profile setup. See the *Gen 3 20|20 Operator's Guide — 2024.1.x Software* for more information on navigating/using the 20|20, setting up a Tractor, or configuring other basic Precision Planting hardware.

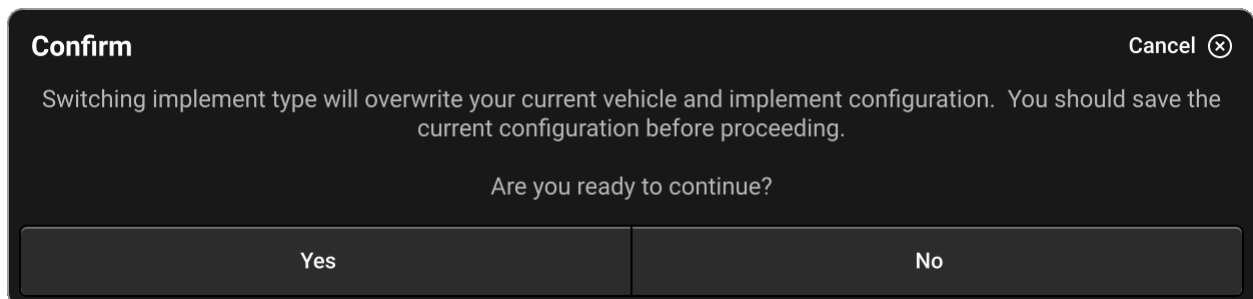


Equipment Setup

From the 20|20 Home screen, press Setup and select Equipment to access the Equipment screen. The Equipment screen is used to set up tractor and implement profiles.



Press Planter to access the Planter Details screen. If no Planter icon is visible, press Switch Implement Type and select Planter after saving any active implement profiles.



Setup ▸ Equipment ▸ **Planter Details** 0.0 mph

Make Fendt	Type Center Trailing ...	Hitch Type Drawn	Planter Details Planter Measurements Planter Frame Layout
Rows 16	Row Spacing 30.0 in	Active Rows All	
Controlled Row Spacing 30.0 in	Controlled Planter Width 40.0 ft	Row Unit Type Precision 2022+	
PDM Present			

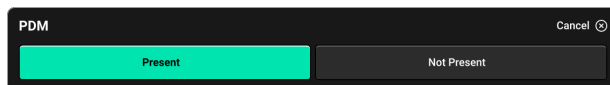
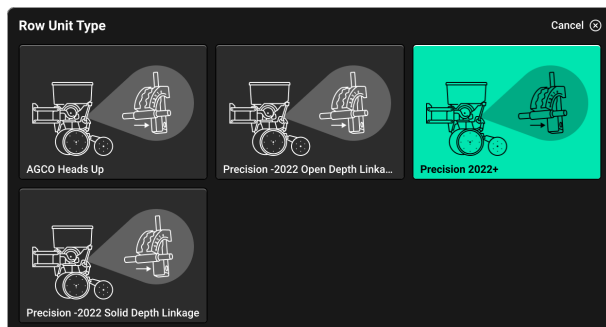
Save/Load
 Add Hardware
 Home Back

On the Planter Details screen, press each box and select/enter the appropriate option/dimension for the implement in use.

Note: The provided example is not representative of all Momentum planters. Always ensure to select the option that matches the corresponding components on the physical implement.

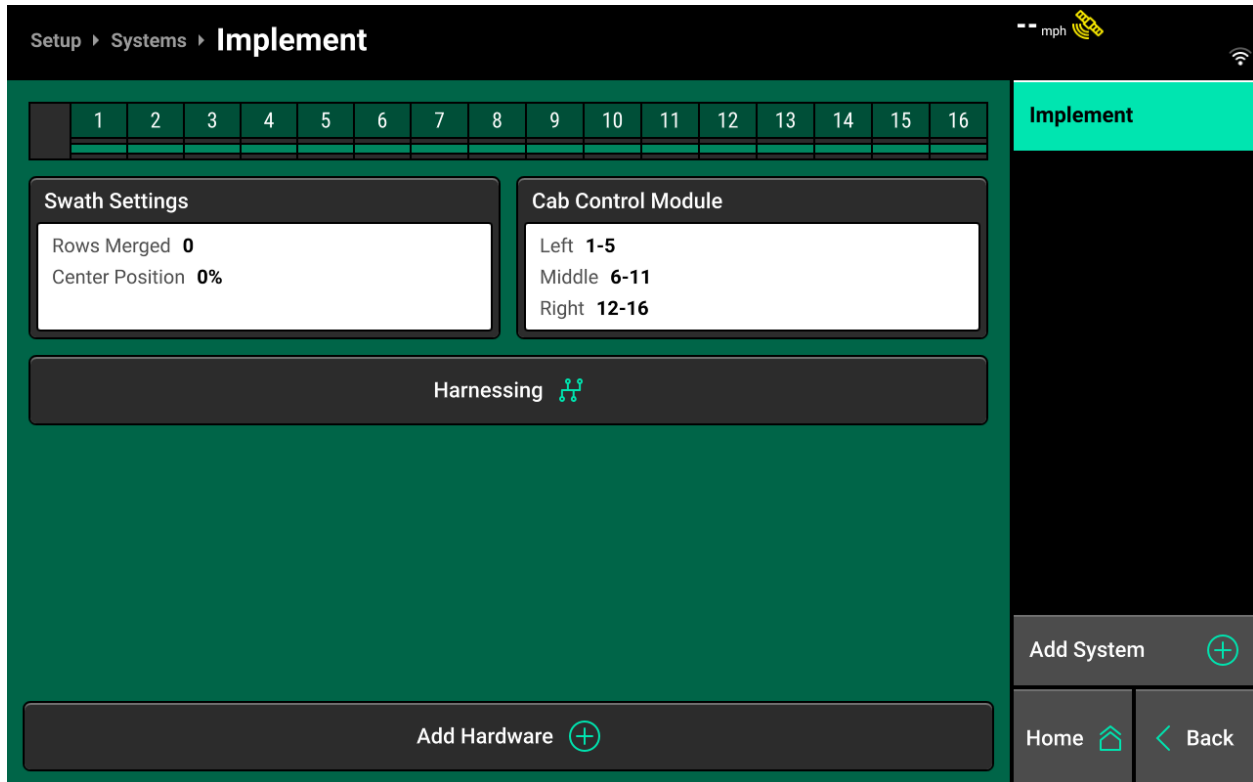
New Options

Due to programming changes, in all software versions 2024.1.x and onward, Row Unit Type must be selected and the Power Distribution Module [PDM] set to Present or Not Present. Ensure that the correct row unit is selected. For most Momentum planters, the PDM will be set to Present.



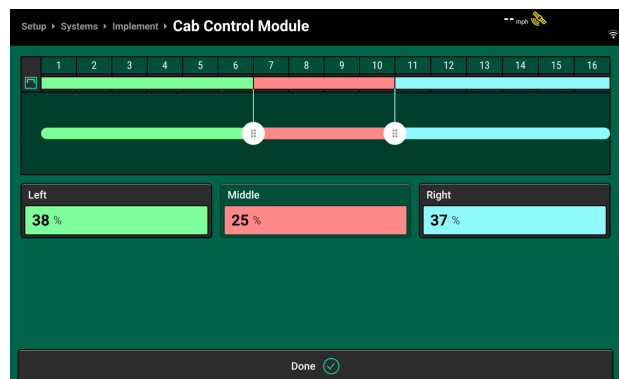
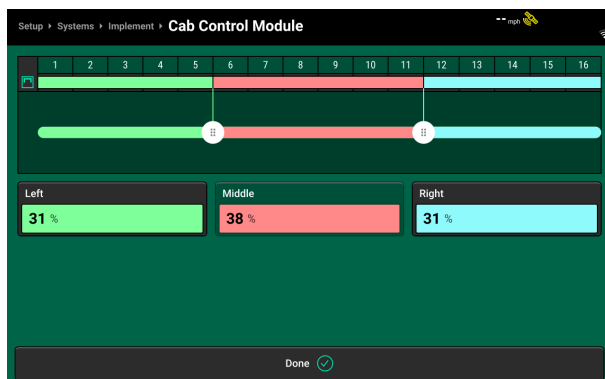
System Screen

After planter setup is complete, Navigate to Setup > Systems to configure all harnessing and control products. This section will explain the process for setting up harnessing, and detail setup for hardware specific to the Fendt Momentum.



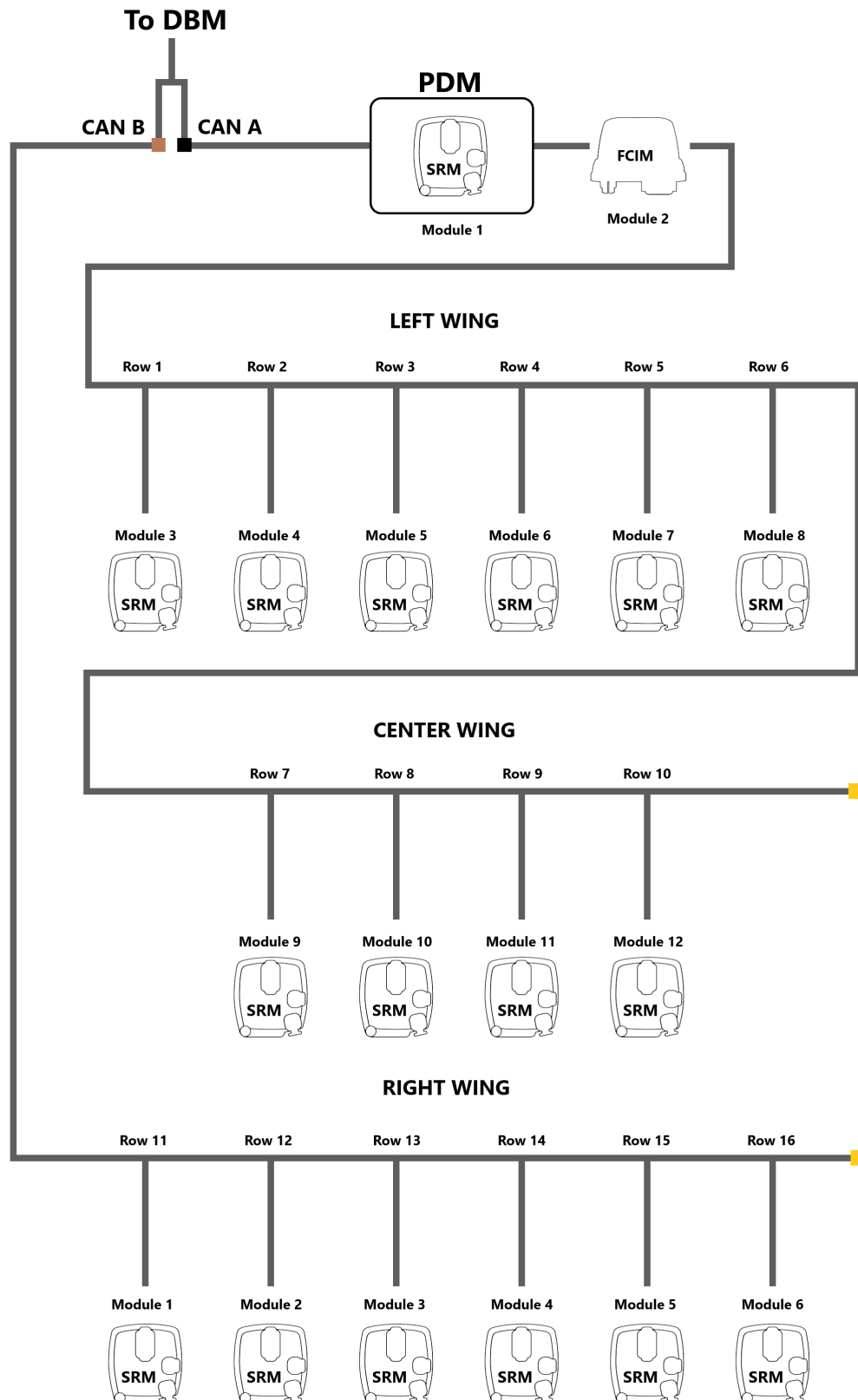
Cab Control Module [CCM] Customization

Press Cab Control Module to customize the row sections that are assigned to each swath switch on the CCM. Press and drag on the white sliders to adjust switch assignments.



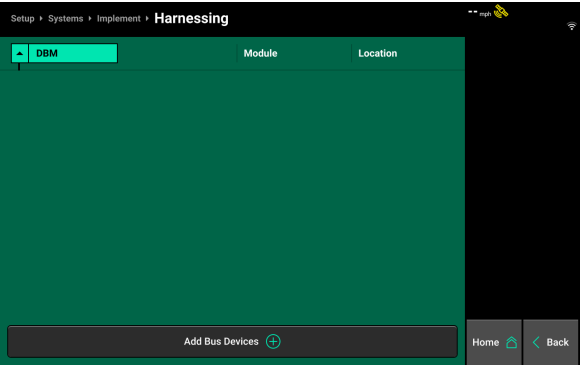
Harnessing Setup

This guide will walk through harnessing/bus device setup for a 16 — row Fendt Momentum, displayed in the graphic below.

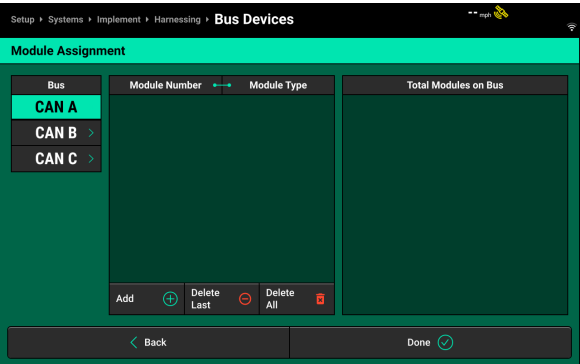


Harnessing

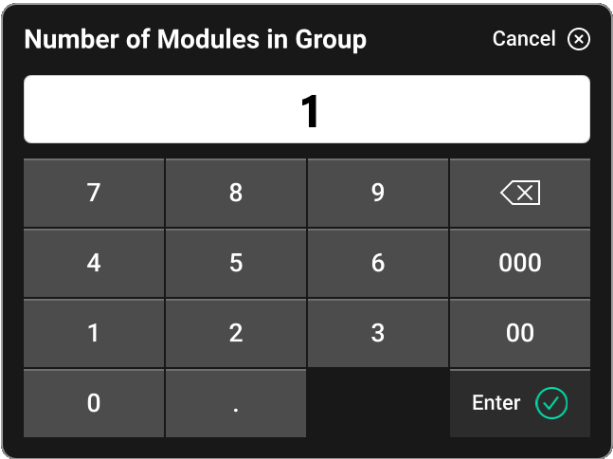
Press Harnessing to begin bus device setup. The 20|20 will display an empty CAN schematic. Press Add Bus Devices at the bottom of the Harnessing screen.



Select the CAN A from the from the Bus list on the left side of the screen. Press Add + in the center of the screen to begin sequencing bus devices.



This example utilizes a PDM. There is an SRM connected to CAN A inside the PDM. Select SRM from the popup and type 1 using the keyboard, then press Enter.



Press Add +, then select FCIM from the popup. The FCIM [or ICM] assists the Momentum with frame movement. Type 1 using the keyboard and press Enter.

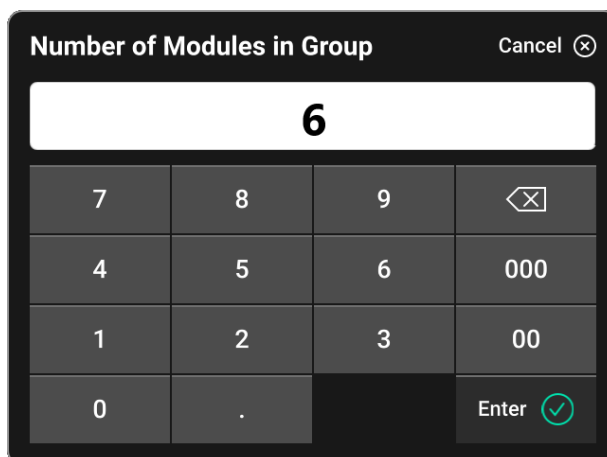
Press Add +, then select SRM again from the popup. CAN A is terminated after Row 10, and each row is equipped with an SRM, therefore type the number 10 using the keyboard and press Enter.

Verify correct number and sequence of devices on CAN A, then select CAN B from the Bus list.

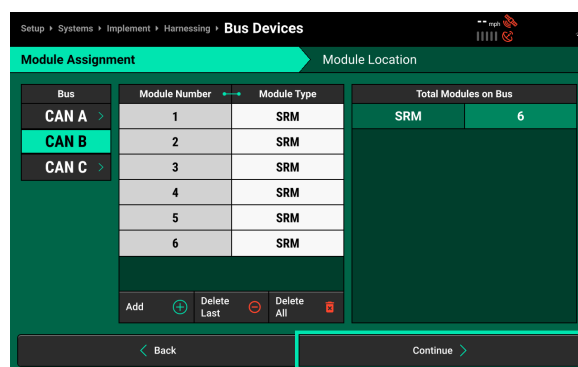
Bus	Module	Location
CAN A	4 SRM	Row 2
	5 SRM	Row 3
	6 SRM	Row 4
	7 SRM	Row 5
CAN B	8 SRM	Row 6
	9 SRM	Row 7
	10 SRM	Row 8
	11 SRM	Row 9
CAN C	12 SRM	Row 10

Bus	Module Number	Module Type	Total Modules on Bus
CAN A			
CAN B			
CAN C			

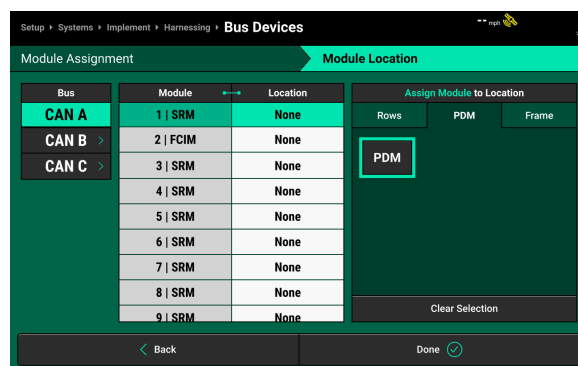
Press Add +, then select SRM from the popup. CAN B is terminated after Row 16, and each row is equipped with an SRM, therefore type the number 6 using the keyboard and press Enter.



Verify correct number and sequence of devices on CAN B, then press Continue.

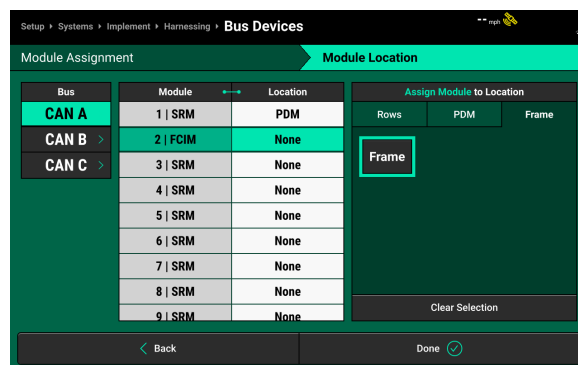


Ensure that CAN A is selected in the Bus list and ensure that 1| SRM is highlighted in the table displayed in the center of the screen. Press PDM under Assign Modules to Location, then select PDM from the table displayed below to assign the first SRM to the PDM.

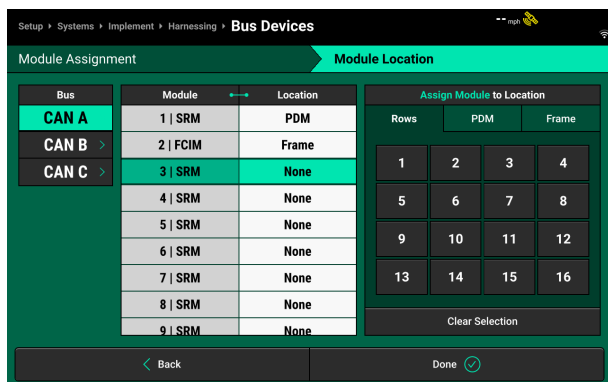


The 20|20 will automatically highlight the next module (2| FCIM in this example). Press Frame under Assign Modules to Location, then select Frame in the table displayed below to assign the FCIM to the frame.

Note: The FCIM may be physically mounted to the PDM. Regardless, choose Frame as the module Location.

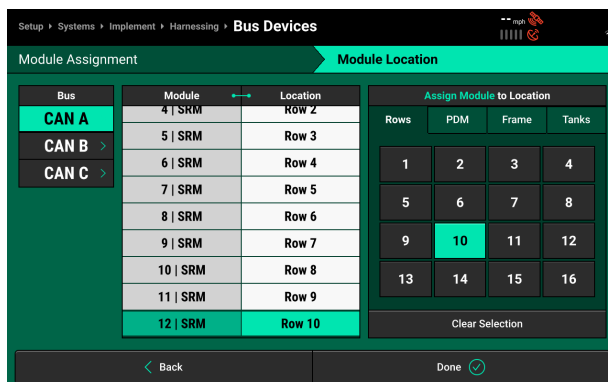


Ensure that 3|SRM is highlighted, then press Rows under Assign Modules to Location. Select 1 from the table displayed below to assign Row 1 as the location of 3|SRM. The 20|20 will automatically highlight the next option. Select the next row from the table. Continue until all modules are assigned to the correct location.



Bus	Module	Location
CAN A	1 SRM	PDM
CAN B	2 FCIM	Frame
CAN C	3 SRM	None
	4 SRM	None
	5 SRM	None
	6 SRM	None
	7 SRM	None
	8 SRM	None
	9 SRM	None

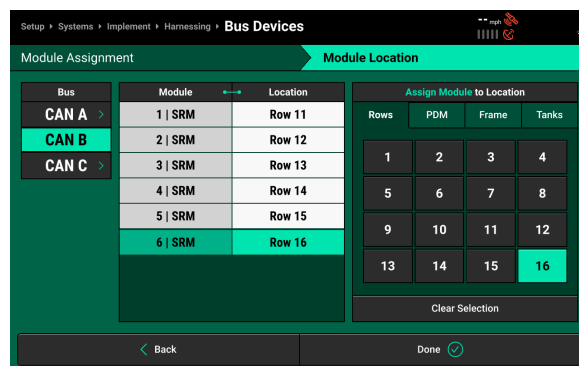
Rows	PDM	Frame
1	2	3
5	6	7
9	10	11
13	14	15



Bus	Module	Location
CAN A	4 SRM	Row 2
CAN B	5 SRM	Row 3
CAN C	6 SRM	Row 4
	7 SRM	Row 5
	8 SRM	Row 6
	9 SRM	Row 7
	10 SRM	Row 8
	11 SRM	Row 9
	12 SRM	Row 10

Rows	PDM	Frame	Tanks
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Select CAN B from the Bus list and ensure that 1|SRM is highlighted. Select 11 in the Assign Module to Location table. Continue assigning until all modules are assigned to the correct location.



Bus	Module	Location
CAN A	1 SRM	Row 11
CAN B	2 SRM	Row 12
CAN C	3 SRM	Row 13
	4 SRM	Row 14
	5 SRM	Row 15
	6 SRM	Row 16

Rows	PDM	Frame	Tanks
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

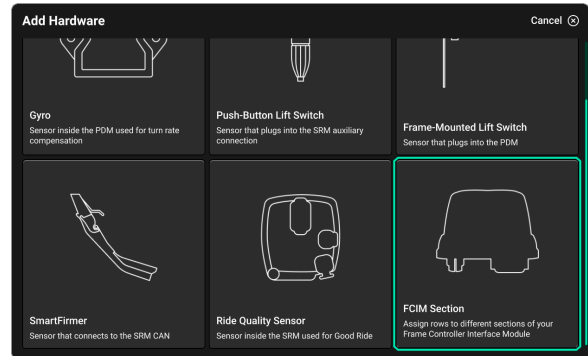
Press Done to return to the initial Harnessing screen. The schematic will now be populated. Press the dropdown arrow on CAN A/CAN B to view the network schematic.



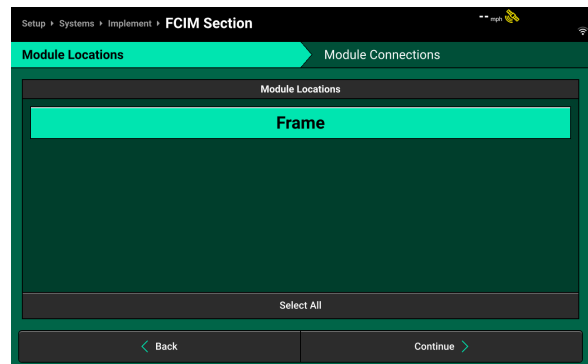
DBM	Module	Location
DBM CAN A		
Connector 1	SRM	PDM
Connector 2	FCIM	Frame
Connector 3	SRM	Row 1
Connector 4	SRM	Row 2
Connector 5	SRM	Row 3
Connector 6	SRM	Row 4
Connector 7	SRM	Row 5
Connector 8	SRM	Row 6
Connector 9	SRM	Row 7
Connector 10	SRM	Row 8
Connector 11	SRM	Row 9
Connector 12	SRM	Row 10
DBM CAN B		
Connector 1	SRM	Row 11
Connector 2	SRM	Row 12
Connector 3	SRM	Row 13
Connector 4	SRM	Row 14
Connector 5	SRM	Row 15
Connector 6	SRM	Row 16

Hardware Setup

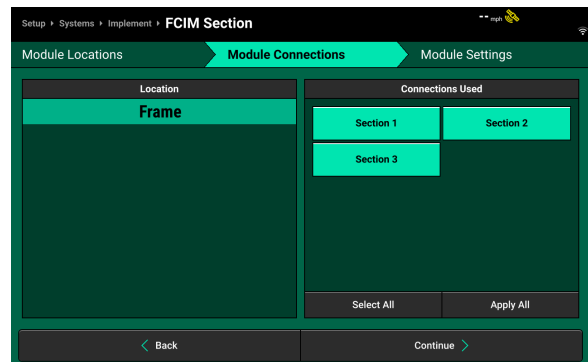
Ensure that the Implement system is selected, then press Add Hardware and select FCIM Section.



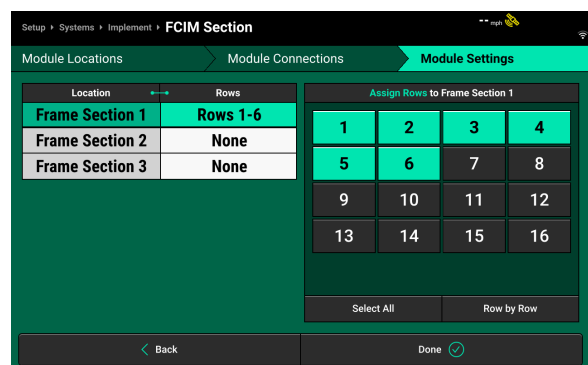
Press Frame to set module location, then press Continue.



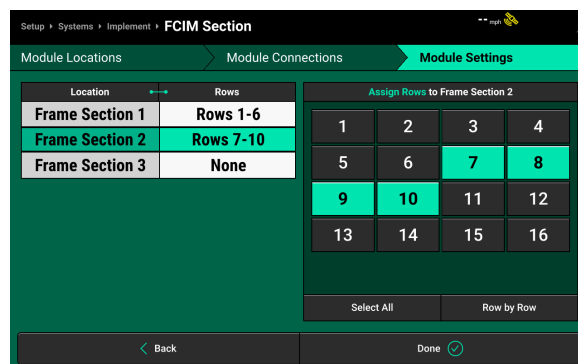
Press each section under Connections Used so that all are highlighted, then press Continue.



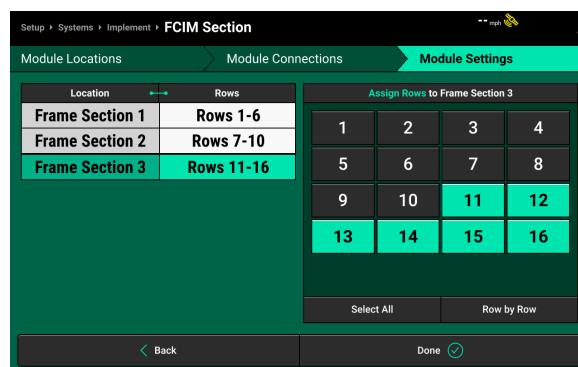
Ensure that Frame Section 1 is highlighted under Location, then under Assign Rows to Frame Section 1 press all rows located on the left wing of the planter to assign the selected rows to that FCIM section.



Select Frame Section 2, then under Assign Rows to Frame Section 2 press all rows located in the center section of the planter to assign the selected rows to that FCIM section.



Select Frame Section 3, then under Assign Rows to Frame Section 3 press all rows located on the right wing of the planter to assign the selected rows to that FCIM section. Ensure that all rows are assigned to the correct frame section, then press Done to return to system setup.



Momentum specific setup is now complete. Refer to all other applicable operator's guides for more information on configuring control products and operating the 20|20.

Additional Notes

The Fendt Momentum utilizes a unique load sensor. When setting up a DeltaForce or SmartConnector (sensing-only) down force system, ensure to select the 712010 load sensor during system hardware setup.

