

Quick Setup Guide for IntelliAg Model 3PYP 24 Row Twin Row



The Quick Setup Guide assumes the Virtual Terminal, Master Switch, Working Set Master Module, Working Set Member Module, and all sensors have been connected and properly installed. Reference Operator's Manual for installation instructions. NOTE: The Master Switch is only required for hydraulic control systems. Reference the manual for instructions to assign a Master Switch as an auxiliary input. Ground-drive systems do NOT require a master switch assignment.

STEP 1: Pre-Programming Preparation:

1. Power on vehicle via ignition switch to activate Virtual Terminal (VT). Main menu will display pre-programmed default settings.
2. If errors are detected (e.g., failed sensors, incorrect configuration) an alarm and code will display. Refer to Operator's Manual for Troubleshooting assistance. Alarms are silenced by pressing Escape (ESC) key for 2 seconds.
3. Select OK soft key for VT to accept. Select CANCEL or ESC to cancel entered settings and return to previous screen value.
4. The Master Switch must be in OFF position to enter Setup/Configuration Mode.

STEP 2: Auto Configuration (Identifies sensors connected to each module)

Auto config is performed at the factory, but may need to be done in the field as changes are made to the system or if options are added to the base planter.

1. Verify Auto Config results are correct. Check that the correct number of rows are assigned to the correct module and number of hoppers are assigned accurately.

To Run Auto Config:

1. Press Next Page until Module Configuration softkey appears.
2. Press Module Configuration softkey .
3. Press AUTO CONFIG Softkey .
4. Hour glass will indicate system is being configured detecting the presence of seed or hopper sensors connected to each module and will be automatically assigned to the appropriate module.

NOTE: Auto Config positions the WSMT at Module Address 1. The WSMT must be changed to Module Address 2 on the Module Configuration screen as shown below.

Module Configuration Screen

SERIAL NUMBER	MODULE TYPE	MODULE ADDR.
<input checked="" type="checkbox"/> 10036	WSMB-18R	1
<input checked="" type="checkbox"/> 10245	WSMT-PDCGP	2
<input checked="" type="checkbox"/> 10037	WSMB-18R	3
<input checked="" type="checkbox"/> 10038	WSMB-POM	4

Seed Sensor Configuration Screen

MODULE ADDR.	TYPE	# OF ROWS	ROW #'s
1	WSMB-18R	6	1-6
2	WSMT-PDCGP	12	7-18
3	WSMB-18R	6	19-24
4	WSMB-POM		

5. Press when Auto Config is complete to go to the Row Assignment screen.

STEP 3: Row Status/Row Width Setup

1. Press Row Status/Row Width Setup .
2. Begin entering desired values using Table A as reference.
3. Press when Row Status/Row Width configurations are complete to return to main menu.

STEP 4A: Material Configuration Setup (Controlled Hydraulic Drive)

16 different materials can be configured for use as planter controls. Reference the System Configuration Section in the Operator's Manual for additional information.

1. Press Next Page one time .
2. Press Material Summary softkey .
3. Scroll to the desired Material Name to edit, i.e. Material 1; push in the knob and turn to enter a checkmark in the box next to the Material Name.
4. Press the OK softkey to display the Material Configuration Setup for the selected Material.
5. Enter desired values from Table B1.
6. Press the Material Summary softkey to return to Material Summary Screen.
7. Repeat steps 3-5 for additional materials. Press the channel softkey to proceed to Channel setup.

TABLE A: Row Status/Row Width Setup	Default Value or Value to Enter	Instructions/Definitions
Row Width	18	Enter row width distance in inches to calculate seed rate data.
Auto Update Width	Enabled	When enabled, implement width will automatically calculate. If disabled, manually enter implement width.
On/Off Pattern	Every row on	On/Off Pattern indicates specific row patterns to be on or off. Select pre-defined planter All Row On pattern. For other pre-defined planter patterns or individual row settings, reference Operator's Manual.
Pop/Block Pattern	Every row population	Determines which sensors are used to calculate population and those used only for blockage detection. Select pre-defined Every Row Population. For other pre-defined patterns, reference Operator's Manual.

TABLE B1: Material Setup	Default Value/ Value to Enter	Controlled Hydraulic Drive Instructions/Definitions
Matrl Label	Matrl 1	Material Name can be customized to accurately define the material's type. Creating a name allows for quick identification at the Material Summary screen.
Type	Planter Control	Desired type of application control channel being used for a specific material. The Material Type must correctly match the Control Type to be able to select Material from the Material Summary screen and operate properly.
Units	Ks/Ac S/Sec	Automatically changes with the type of material application selected. Changes units for target application.
Preset Method	Enable	Enabled Preset Method allows 10 user-defined Target Rates to be adjusted from the Main Operate screen using Inc or Dec softkeys. A Disabled Preset Method increases/decreases the Target Rate based on the % values set at the Material Configuration Setup screen.
Target Rate		Desired rate of application.
Max Rate		Establishes the maximum dispensing rate that the Control Channel will allow.
Min Rate		Establishes the minimum dispensing rate that the Control Channel will allow.
Inc/Dec %		Percentage of change that is applied each time the Material Inc/Dec softkey is pressed on the Main Work screen.
Seeds per Rev	See Manual	Set to number of seeds per 1 disc revolution.
Disc Low Limit (Singulator Plus)	5	Set to desired min seed disc RPM.
Disc Low Limit (Precision Finger)	40	Set to desired min seed disc RPM.
Disc High Limit (Singulator Plus)	40	Set to desired max seed disc RPM.
Disc High Limit (Precision Finger)	85	Set to desired max seed disc RPM.
High Pop Alarm	15	This is the percentage above the target population of the planter channel if rows are assigned to the planter channel. If rows are not assigned to a planter, this is the percentage above average planter population for all unassigned rows.
Low Pop Alarm	20	This is the percentage below the target population of the planter channel if rows are assigned to the planter channel. If rows are not assigned to a planter channel, this is the percentage below average planter population for all unassigned rows.

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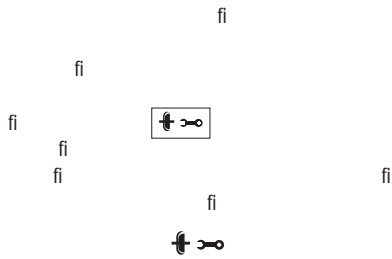
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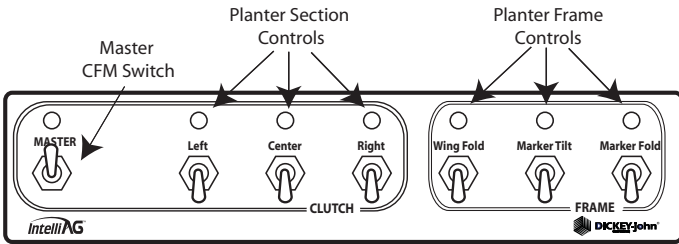
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OUTPUT	# OF ROWS	ROW #'s
LEFT	6	1-6
CENTER	12	7-18
RIGHT	6	19-24

Icon and Symbol Descriptions			
	Control Channel		Seed Monitor Setup
	Next Channel		Ground Speed Setup
	Next Work Screen		Diagnostics
CH 1 MATRL 1	Increment		Alarm Log
MATRL 1 CH1	Decrement		System Accumulators
CHANNEL 1	Inc/Dec Reset to Target		Module Configuration
MATRL 1 CH1	Turn On/Off Channel		Work Screen Configuration
	Next Page		Material Configuration
	Planter Fill Disk		Clutch Folding Module Configuration



Priority Assignments:
 Priority 1: Wing Fold
 Priority 2: Marker Tilt
 Priority 3: Marker Fold



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