

MATRIX PRO GS

SETUP OPTIONS FOR SOFTWARE v4.40

To make a suggestion, unselect the Use Default checkmark.

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HOME-> JOB

Current	Name	Notes

CONFIGURATION SETTINGS

Implement

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Machine Type	Front Wheel	Front Wheel, Tracked, Articulated			
GNSS Antenna Height	3.81 m	0.0 - 10.0 m			
Implement Type	Straight	Straight, Spreader, Staggered			
Symmetric Implement Layout	Enabled	Enabled, Disabled			
Number of Implement Sections	5	1 - 30			
Application/Working Width	144 in. / 3.6576 m	Single Section: 1.0 - 75.0 m. Multiple Sections: Range for each section is 0.0 - 75.0 m. Total for all sections must be greater than 1.0 m.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
			19		
			20		
			21		
			22		
			23		
			24		
			25		
			26		
			27		
			28		
			29		
			30		
Droplet Size Monitor	Disabled	Enabled, Disabled			
Nozzle Selection-> Current Nozzle and Nozzle Presets	---		#1		
			#2		
			#3		
			#4		
			#5		
Nozzle Spacing	60.96 cm	1.0 - 7,500.0 cm			
Applied Alert	Disabled	Enabled, Disabled			
Entry Time	0.0 sec.	0.0 - 10.0 sec.			
Exit Time	0.0 sec.	0.0 - 10.0 sec.			
Allow BoomPilot In Reverse	Enabled	Enabled, Disabled			
BoomPilot Start Mode	Enabled	Enabled, Disabled			
BoomPilot Icon	Enabled	Enabled, Disabled			
Reverse Signal Delay	0.0 sec.	0.0 - 10.0 sec.			

Multiple Section Output Modules

Sections	Module ID	Notes

Straight Mode

Active
Inactive

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Implement In-Line Offset Direction	Backward	Backward, Forward			
Implement In-Line Offset Distance	0.0 m	0.0 - 50.0 m			
Implement Lateral Offset Direction	Left	Left, Right			
Implement Lateral Offset Distance	0.0 m	0.0 - 10.0 m			
Overlap	100%	0%, 50%, 100%			
Delay On Time	1.0 sec.	0.0 - 10.0 sec.			
Delay Off Time	1.0 sec.	0.0 - 10.0 sec.			

Spreader Mode – TeeJet

Active
Inactive

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Setup Type	TeeJet	TeeJet, OEM			
Antenna to Disks In-Line Offset Distance	0.0 m	0.0 - 50.0 m			
Implement Lateral Offset Direction	Left	Left, Right			
Implement Lateral Offset Distance	0.0 m	0.0 - 10.0 m			
Overlap	100%	0%, 50%, 100%			
Delay On Time	0.0 sec.	0.0 - 10.0 sec.			
Delay Off Time	0.0 sec.	0.0 - 10.0 sec.			
Spread Offset Distance	0.0 m	0.0 - 75.0 m			

Description	Factory Default	Range/Options	Suggested Setting		Use Default	Notes
			Offset	Length		
Section Offsets	0.0 m	Section 1: Always 0.0 m Sections 2-30: 0.0 - 75.0 m	1	00		
			2			
			3			
			4			
			5			
			6			
			7			
Spread Lengths	0.5 m	0.5 - 75.0 m	8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			
			23			
			24			
			25			

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
			26		
			27		
			28		
			29		
			30		

Spreader Mode – OEM

Active
Inactive

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Setup Type	TeeJet	TeeJet, OEM			
Antenna to Disks In-Line Offset Distance	0.0 m	0.0 - 50.0 m			
Implement Lateral Offset Direction	Left	Left, Right			
Implement Lateral Offset Distance	0.0 m	0.0 - 10.0 m			
Start Distance	0.0 m	0.0 - 75.0 m			
Stop Distance	0.0 m	0.0 - 75.0 m			
Section Start/Stop Offsets	0.0 m	0.0 - 75.0 m	Start Stop		
			1		
			2		
			3		
			4		
			5		
			6		
			7		
			8		
			9		
			10		
			11		

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
			12		
			13		
			14		
			15		
			16		
			17		
			18		
			19		
			20		
			21		
			22		
			23		
			24		
			25		
			26		
			27		
			28		
			29		
			30		

Staggered Mode

Active
Inactive

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Section 1 In-line Offset Direction	Backward	Backward, Forward			
Section 1 In-line Offset Distance	0.0 m	0.0 - 50.0 m			
Implement Lateral Offset Direction	Left	Left, Right			
Implement Lateral Offset Distance	0.0 m	0.0 - 10.0 m			

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Overlap	100%	0%, 50%, 100%			
Delay On Time	1.0 sec.	0.0 - 10.0 sec.			
Delay Off Time	1.0 sec.	0.0 - 10.0 sec.			
Section Offsets	0.0 m	Section 1: Always 0.0 m Sections 2-30: 0.0 - 75.0 m	1		
			2		
			3		
			4		
			5		
			6		
			7		
			8		
			9		
			10		
			11		
			12		
			13		
			14		
			15		
			16		
			17		
			18		
			19		
			20		
			21		
			22		
			23		

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
			24		
			25		
			26		
			27		
			28		
			29		
			30		

Mapping and Guidance









Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Mapping Location	Default Location	Default Location, User Entry 1-5			
Location Name	User Entry 1				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
Mapping Location In-Line Offset Distance	0.0 m	0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 m	0.0 - 50.0 m			
Location Name	User Entry 2				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
Mapping Location In-Line Offset Distance	0.0 m	0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 m	0.0 - 50.0 m			
Location Name	User Entry 3				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
Mapping Location In-Line Offset Distance	0.0 m	0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 m	0.0 - 50.0 m			

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Location Name	User Entry 4				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
Mapping Location In-Line Offset Distance	0.0 m	0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 m	0.0 - 50.0 m			
Location Name	User Entry 5				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
Mapping Location In-Line Offset Distance	0.0 m	0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 m	0.0 - 50.0 m			
Guidance Width	18.288 m	1.0 - 75.0 m			
LED Brightness	25%	0% - 100%			
Display Mode	Swath	Swath, Vehicle			
LED Spacing	0.46 m	0.01 - 3.0 m			
External Lightbar	Enabled	Enabled, Disabled			
External Lightbar LED Brightness	25%	0% - 100%			
External Lightbar Text Brightness	25%	0% - 100%			
External Cross Track	Enabled	Enabled, Disabled			
External Swath Number	Disabled	Enabled, Disabled			
External Speed	Disabled	Enabled, Disabled			
External Actual Rate	Disabled	Enabled, Disabled			
External Target Rate	Disabled	Enabled, Disabled			
External Applied Product	Disabled	Enabled, Disabled			

GNSS Receiver Configuration

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
GNSS Type	GPS, GLONASS	GPS, GLONASS, SBAS, DGPS required			
GNSS Port	Internal	Internal, External			
GNSS Data Rate	Fast (115,200 + 10 Hz)	Fast (115,200 + 10 Hz), Slow (19,200 + 5 Hz)			
Baud Rate					
Baud Rate Status					
GGA Data Rates	10 Hz	0.0 Hz - 20.0 Hz			
VTG Data Rates	10 Hz	0.0 Hz - 20.0 Hz			
Number of Satellites					
GNSS Status Information					
HDOP					
PRN					
GGA Quality					
Receiver					
Receiver Version					
UTM Zone					
Model					
PRN	Automatic	Automatic, Specific Number			
Alternate PRN	120	Specific Number			
Show refresh GNSS position button	Disabled	Enabled, Disabled			

Video

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Reverse Camera	Disabled	Enabled, Disabled			
 Reverse Upside Down	Inactive Inactive	Active, Inactive Active, Inactive			
 Reverse Upside Down	Inactive Inactive	Active, Inactive Active, Inactive			
 Reverse Upside Down	Inactive Inactive	Active, Inactive Active, Inactive			
 Reverse Upside Down	Inactive Inactive	Active, Inactive Active, Inactive			
 Reverse Upside Down	Inactive Inactive	Active, Inactive Active, Inactive			
 Reverse Upside Down	Inactive Inactive	Active, Inactive Active, Inactive			
 Reverse Upside Down	Inactive Inactive	Active, Inactive Active, Inactive			
 Reverse Upside Down	Inactive Inactive	Active, Inactive Active, Inactive			

Sensors-> IOM Pressure Sensor

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Maximum Pressure Rating	10.0 bar	0.1 - 30.0 bar			
Low Pressure Alarm	0.0 bar	0.0 - 100.0 bar			
High Pressure Alarm	15.0 bar	0.0 - 100.0 bar			

Product

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Product Name	---				
Maximum Rate Colour	Dark Blue				
Minimum Rate Colour	Light Blue				
Colour Range	Automatic	Automatic, Manual			
Applied Rate Mapping Upper Limit					
Applied Rate Mapping Lower Limit					

Third-Party Rate Control

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Third-Party Rate Control	Disabled	Enabled, Disabled			
Hardware Interface	Serial	CAN, Serial			
Communication Protocol	LH5000	LH5000, TJ844, MidTech98, Teton			
Controller Mode	Sprayer	LH5000 options: Sprayer, Fertilizer, Drill, Slurry Spreader TJ844 options: SI, US, Turf, NH3, Imperial MidTech98 option: Not Applicable Teton options: Granular, Liquid			
Serial Baud Rate	9600	LH5000 option: 9600 TJ844 option: 9600 MidTech98 options: 9600, 19200 Teton options: 9600, 19200			
Rate Control Status					

AutoSteer with FieldPilot Pro or UniPilot Pro

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Maximum DOP	3.0	0.0 - 10.0			
Transport Mode	Enabled	Enabled, Disabled			
Service Mode	Enabled	Enabled, Disabled			
Operator Presence	Enabled	Enabled, Disabled			

Manage Vehicles

Vehicle Name:

Vehicle Profile

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Description	Range/Options	Suggested Setting	Use Default	Notes
Vehicle Type	Articulated, Combine, Floater, MFWD, Sprayer, Swather, Track			
Vehicle Make	Manufacturer Specific, Generic			
Vehicle Model	Manufacturer Specific, Generic			
Controller Type	Standard - Hydraulic, UniPilot Pro, AccuGuide Ready, AutoGuide2, AutoTrac Ready, Vehicle - CAN, IntelliSteer Ready, AutoTrac Ready ISO			
Wheel Base	0.0 - 20.0 m			
Antenna In-line Offset Direction	Backward, Forward			
Antenna In-line Offset Distance	0.0 - 3.048 m			
Antenna Lateral Offset Direction	Left, Right			
Antenna Lateral Offset Distance	0.0 - 3.048 m			
Antenna Height	0.0 - 20.0 m			
SCM Pro In-line Offset Direction	Backward, Forward			
SCM Pro In-line Offset Distance	0.0 - 3.048 m			
SCM Pro Lateral Offset Direction	Left, Right			

Description	Range/Options	Suggested Setting	Use Default	Notes
SCM Pro Lateral Offset Distance	0.0 - 3.048 m			
SCM Pro Height	0.0 - 20.0 m			
Wheel Angle Sensor (WAS)	None, Present			
SCM Pro Orientation	Orthogonal, Non-orthogonal			
X Angle/Pitch	0-360 degrees			
Y Angle/Roll	0-360 degrees			
Z Angle/Yaw	0-360 degrees			

Auto Calibration

Complete Not Complete

Description	Notes
Compass Calibration	
Wait for Heading	
Tilt Zero Initial Direction	
Tilt Zero Opposite Direction	
Valve Deadband	
Angle Sensor	
Valve	
UniPilot Pro Deadband	
UniPilot Pro	
Curvature	

Vehicle Adjust

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Manual Disengage					
Motor Aggressiveness	10	1 - 20			
UniPilot Pro Freeplay	0	1 - 20			
Steering Response	10	1 - 20			
Heading Aggressiveness	10	1 - 20			
Cross Track Error	10	1 - 20			
Line Acquisition	10	1 - 20			
Reverse Response	10	1 - 20			
Tilt Calibration					
Wheel Angle Sensor (WAS) Calibration					

Select QI Values

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
QI Value	Enabled	Enabled, Disabled	1		
			2		
			3		
			4		
			5		

AutoSteer

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Assisted/Auto Steering Enabled/Disabled	Enabled	Enabled, Disabled			
Valve Type	Standard/PWM	Standard/PWM, Standard Voltage, Reverse Voltage, One-Wire PWM, UniPilot			
Valve Frequency	175 Hz	1 Hz - 15,000 Hz			
Valve Setup					
Minimum Left Duty Cycle	20%	0.0% - 50.0%			
Minimum Right Duty Cycle	20%	0.0% - 50.0%			
Maximum Left Duty Cycle	50%	25.0% - 100.0%			
Maximum Right Duty Cycle	50%	25.0% - 100.0%			
Coarse Steering Adjustment	25	1.0 - 100.0			
Fine Steering Adjustment	25	1.0 - 100.0			
Deadband	9	0 - 9			
Lookahead	4.0 sec	0.0 - 10.0 sec			
Valve Test					
Valve Diagnostics					
Options -> Steering Wheel Sensor	Disabled	Enabled, Disabled			
Steering Angle Sensor	Enabled	Enabled, Disabled			
Sensor Calibration					
On Line Calibration					

Tilt Correction

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Enabled/Disabled	Disabled	Enabled, Disabled			
Field Level					

CONSOLE SETTINGS

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
About					
Colour Scheme	Style 1	Style 1: light grey, Style 2: dark grey, Style 3: light blue, Style 4: green, Style 5: red, Style 6: white			
LCD Brightness	50	1 - 100			
Night Mode	Disabled	Enabled, Disabled			
Screenshot	Disabled	Enabled, Disabled			
Screen Calibration					
Units	Metric	US, Metric			
Language	English	BG, CS, DA, DE, EN, EN-US, ES, ES-ES, ET, FI, FR, HU, IT, JA, LT, NL, PL, PT-BR, RO, RU, SV, ZH			
Time Zone	America - Denver	(Too many to list)			
Audio Volume	60	1 - 100			
Demo GNSS	Disabled	Enabled, Disabled			
BoomPilot for Spreader	Disabled	Enabled, Disabled			
FieldPilot Pro / UniPilot Pro	Disabled	Enabled, Disabled			

GUIDANCE SETTINGS

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Guidance Mode	Straight AB	No Guidance, Straight AB, Curved AB, Circle Pivot, Last Pass, NextRow, Adaptive Curve			
Curved Lookahead	Disabled	Enabled, Disabled			

Guidance Bar

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Navigation Activity Cross Tract Error	Metres [1.5]	Metres [1.5], Metres [1.50], Centimetres [150]			
Selectable Information - Left Side	Speed	Speed, Heading, Total applied area, Application time, Time, Swath number,			
Selectable Information - Right Side	Applied Area	System pressure, Droplet size, Actual application rate, Target application rate, Volume/product applied, Tank/bin amount remaining			

Guidelines

Name	Guideline Type	Notes

Boundaries & Polygons

Name	Guideline Type	Notes

DATA MANAGEMENT

Joba Data

Name	Notes

Options

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Job Mode	Advanced	Advanced, Simple			

Machine Settings

Name	Notes

