

# AEROS 9040

## SETUP OPTIONS FOR SOFTWARE v4.33

To make a suggestion, unselect the Use Default checkmark.

### TABLE OF CONTENTS

<b>HOME-&gt; JOB</b> .....	<b>119</b>	<b>AutoSteer with FieldPilot Pro or UniPilot Pro</b> .....	<b>130</b>
<b>CONFIGURATION SETTINGS</b> .....	<b>120</b>	Manage Vehicles .....	130
Implement .....	120	Select QI Values .....	132
Multiple Section Output Modules .....	121	AutoSteer .....	132
Straight Mode .....	121	Tilt Correction .....	133
Spreader Mode – TeeJet .....	122	<b>DATA MANAGEMENT</b> .....	<b>133</b>
Spreader Mode – OEM .....	123	Joba Data .....	133
Staggered Mode .....	124	Options .....	133
Mapping and Guidance .....	126	Machine Settings .....	133
GNSS Receiver Configuration .....	127	<b>CONSOLE SETTINGS</b> .....	<b>134</b>
Video .....	128	<b>GUIDANCE SETTINGS</b> .....	<b>134</b>
Sensors-> IOM Pressure Sensor .....	128	Guidance Bar .....	134
Tip Flow Monitor .....	129	Guidelines .....	135
ISOBUS .....	130	Boundaries & Polygons .....	135
Product .....	130		

### 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	12.5 ft. / 3.81 m	0.0 - 32.8 ft. / 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: 3.28 - 246.06 ft. / 1.0 - 75.0 m.  Multiple Sections: Range for each section is 0.0 - 246.06 ft. / 0.0 - 75.0 m. Total for all sections must be greater than 3.28 ft. / 1.0 m.	1		
			2		
			3		
			4		
			5		
			6		
			7		
			8		
			9		
			10		
			11		
			12		
			13		
			14		
			15		
			16		
			17		
			18		
			19		
			20		
			21		
			22		
			23		
			24		
			25		
			26		

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
			27		
			28		
			29		
			30		
Droplet Size Monitor	Disabled	Enabled, Disabled			
Tip Selection-> Current Tip and Tip Presets	---		#1		
			#2		
			#3		
			#4		
			#5		
Tip Spacing	24 in. / 60.96 cm	0.39 - 2,952.76 in. / 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 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Implement Lateral Offset Direction	Left	Left, Right			
Implement Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 32.8 ft. / 0.0 - 10.0 m			
Connection Point In-Line Offset Direction	Backward	Backward, Forward			

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Connection Point In-Line Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Connection Point Lateral Offset Direction	Left	Left, Right			
Connection Point Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 32.8 ft. / 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 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m				
Implement Lateral Offset Direction	Left	Left, Right				
Implement Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 32.8 ft. / 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 ft. / 0.0 m	0.0 - 246.1 ft. / 0.0 - 75.0 m				
Section Offsets	0.0 ft. / 0.0 m	Section 1: Always 0.0 ft. / 0.0 m  Sections 2-30: 0.0 - 246.1 ft. / 0.0 - 75.0 m	Offset    Length			
			1	0.0		
			2			
			3			
			4			
			5			
			6			
Spread Lengths	1.64 ft. / 0.5 m	1.64 - 246.1 ft. / 0.5 - 75.0 m	7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
			16		
			17		
			18		
			19		
			20		
			21		
			22		
			23		
			24		
			25		
			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 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m				
Implement Lateral Offset Direction	Left	Left, Right				
Implement Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 32.8 ft. / 0.0 - 10.0 m				
Start Distance	0.0 ft. / 0.0 m	0.0 - 246.1 ft. / 0.0 - 75.0 m				
Stop Distance	0.0 ft. / 0.0 m	0.0 - 246.1 ft. / 0.0 - 75.0 m				
Section Start/Stop Offsets	0.0 ft. / 0.0 m	0.0 - 246.1 ft. / 0.0 - 75.0 m	Start Stop			
			1			
			2			
			3			
			4			
			5			
			6			
			7			
			8			

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
			9		
			10		
			11		
			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 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Implement Lateral Offset Direction	Left	Left, Right			
Implement Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 32.8 ft. / 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			

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Section Offsets	0.0 ft. / 0.0 m	Section 1: Always 0.0 ft. / 0.0 m  Sections 2-30: 0.0 - 246.1 ft. / 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		
			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			
User Entry 1					
Mapping Location In-Line Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Location Name	User Entry 2				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
User Entry 2					
Mapping Location In-Line Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Location Name	User Entry 3				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
User Entry 3					
Mapping Location In-Line Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Location Name	User Entry 4				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
User Entry 4					
Mapping Location In-Line Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Location Name	User Entry 5				
Mapping Location In-Line Offset Direction	Backward	Backward, Forward			
User Entry 5					
Mapping Location In-Line Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Mapping Location Lateral Offset Direction	Left	Left, Right			
Mapping Location Lateral Offset Distance	0.0 ft. / 0.0 m	0.0 - 164.0 ft. / 0.0 - 50.0 m			
Guidance Width	60.0 ft. / 18.288 m	3.28 - 246.1 ft. / 1.0 - 75.0 m			











Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Guidance Sensitivity	1.50 ft. / 0.46 m	0.03 - 9.84 ft. / 0.01 - 3.0 m			
Display Mode	Swath	Swath, Vehicle			
LED Spacing	1.50 ft. / 0.46 m	0.03 - 9.84 ft. / 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)			
GNSS Status Information	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				
	HDOP				
	PRN				
	GGA Quality				
	Receiver				
	Receiver Version				
	UTM Zone				
	Model				
PRN	Automatic	Automatic, Specific Number			
Alternate PRN	120	Specific Number			

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

## Sensors-> IOM Pressure Sensor

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Maximum Pressure Rating	145 psi / 10.0 bar	1.0 - 435 psi / 0.1 - 30.0 bar			
Low Pressure Alarm	0.0 psi / bar	0.0 - 1450 psi / 0.0 - 100.0 bar			
High Pressure Alarm	217.6 psi / 15.0 bar	0.0 - 1450 psi / 0.0 - 100.0 bar			

**Tip Flow Monitor**

Description	Factory Default	Range	Suggested Setting	Use Default	Notes
Tip Alarm Percentage	10%	0% - 100%			
Tip Alarm Delay	1 sec	1 - 10 sec			
Number of Sections	1	1 - 30			
Number of Tips per Section	10	0 - 120	1		
			2		
			3		
			4		
			5		
			6		
			7		
			8		
			9		
			10		
			11		
			12		
			13		
			14		
			15		
			16		
			17		
			18		
			19		
			20		
			21		
			22		
			23		
			24		
			25		
			26		
			27		
			28		
			29		
			30		
Tip Balance Percentage	15%	0% - 100%			
Tip Flow Monitor Balance					

**ISOBUS**

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Machine Speed Broadcast	Enabled	Enabled, Disabled			
Navigation Speed Broadcast	Enabled	Enabled, Disabled			
Ground Speed Broadcast	Enabled	Enabled, Disabled			
Time/Date Broadcast	Enabled	Enabled, Disabled			
Universal Terminal (UT) Number	1	1 -32			
Task Controller (TC) Number					
Number of UT Object Pools					
Number of ISOBUS Control Functions					

**Product**

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

**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*

[New](#)   [Edit](#)

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			

Description	Range/Options	Suggested Setting	Use Default	Notes
Controller Type	Standard - Hydraulic, UniPilot Pro, AccuGuide Ready, Auto-Guide2, AutoTrac Ready, Vehicle - CAN, IntelliSteer Ready, AutoTrac Ready ISO			
Wheel Base	0.0 - 65.6 ft. / 0.0 - 20.0 m			
Antenna In-line Offset Direction	Backward, Forward			
Antenna In-line Offset Distance	0.0 - 10.0 ft. / 0.0 - 3.048 m			
Antenna Lateral Offset Direction	Left, Right			
Antenna Lateral Offset Distance	0.0 - 10.0 ft. / 0.0 - 3.048 m			
Antenna Height	0.0 - 65.6 ft. / 0.0 - 20.0 m			
SCM Pro In-line Offset Direction	Backward, Forward			
SCM Pro In-line Offset Distance	0.0 - 10.0 ft. / 0.0 - 3.048 m			
SCM Pro Lateral Offset Direction	Left, Right			
SCM Pro Lateral Offset Distance	0.0 - 10.0 ft. / 0.0 - 3.048 m			
SCM Pro Height	0.0 - 65.6 ft. / 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					

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
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 Setup	Valve Type	Standard/PWM	Standard/PWM, Standard Voltage, Reverse Voltage, One-Wire PWM, UniPilot		
	Valve Frequency	175 Hz	1 Hz - 15,000 Hz		
	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%		
Steering Settings	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			

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Steering Angle Sensor	Enabled/Disabled	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					

## 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

CONSOLE SETTINGS

Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
About					
Display	Color Scheme	Style 1	Style 1: light gray, Style 2: dark gray, 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				
Cultural	Units	US	US, Metric		
	Language	English-US	DE, EN, EN-US, ES, FR, HU, IT, LT, PL, PT-BR, RU		
	Time Zone	America - Denver	<i>(Too many to list)</i>		
Audio Volume	60	1 - 100			
Demo GNSS	Disabled	Enabled, Disabled			
Feature Unlock	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	Decimal Feet [1.5] / Meters [1.5]	Decimal Feet [1.5], Feet and Inches [1'06"], Inches [18] / Meters [1.5], Meters [1.50], Centimeters [150]			



Description	Factory Default	Range/Options	Suggested Setting	Use Default	Notes
Selectable Information - Left Side	Speed	Speed, Heading, Total applied area, Application time, Time, Swath number, System pressure, Droplet size, Actual application rate, Target application rate, Volume/product applied, Tank/bin amount remaining			
Selectable Information - Right Side	Applied Area				

## Guidelines

Name	Guideline Type	Notes

## Boundaries & Polygons

Name	Boundary/Polygon Type	Notes

