

# X30 Quick Start Guide

## Operation Screen

Icon	Description
	System information
	Guidance
	GPS information
	System diagnostics
	Job information
	Auto section control
	ISOBUS universal terminal
	Seeder
	Spreader
	Sprayer
	Switchbox

**Navigation bar**  
Opens mini-views to access further system options

**Inventory manager**  
Manages data on vehicles and jobs

**Setup screen**  
Switch to the Setup screen

**Dashboard**  
Provides selected information to monitor system status and performance

**View controls**  
Provides control of guidance map display

**Guidance toolbar**  
Provides tools used to control guidance

**Field menu**

**Job menu**

**Guideline menu**

**Steering options menu**

**Nudge menu**










**Master switch**  
Turns product application on or off

**Auto steer engage**  
Turns auto steer on or off










## Menu Options – Guidance Toolbar






### Field menu

Icon	Description
	Complete field boundary recording
	Record field boundary
	Clear boundary
	Create boundary from shapefile
	Boundary recording offset
	Select exclusion map
	Place flag point
	Create new field
	Select field




### Job menu

Icon	Description
	Clear job data
	Data exchange
	Configure headland for job
	Record job details
	Configure VRC
	Create new job
	Select job

### Guideline menu

Icon	Description
	Set A point
	Open manual guideline entry window
	Change guidance mode
	Create new guideline
	Select guideline

### Steering options menu

Icon	Description
	Auto steer tuning parameters
	Auto steer status
	Auto steer calibration



### Master Switch – Status colors



Implement Controller is ready to use. Select the master switch to turn the implement on.



Implement Controller is on and working. Select the master switch to turn the implement off.



Implement Controller is off and cannot be used. Select the Master Switch to see possible causes of the problem.



### Auto Steer – Status colors



**Ready to use**  
Select Auto Steer to start.



**Engaged and active**  
Select Auto Steer Engage to change back to manual control.



**Cannot engage**  
Go to the Steering Options Menu to check Steering Status for causes.



**Delayed engage mode**  
Pre-engage steering by pressing button twice. Steering engaged if minimum speed reached within 15 seconds.

# Getting Started

## Step 1

Use Field menu to select an existing field or create a new one. Optionally, set up field boundary.



## Step 2


Use Job menu to select an existing job or create a new one. Optionally, manage headland.



## Step 3

Use Guideline menu to select an existing guideline or create a new one.


### Field Menu




Select an existing field ,

or


Create a new one .

#### Optional


Record a boundary .

1. Set your boundary offset .
2. Position the vehicle at the start of the boundary.
3. Press record  and drive along the boundary.
4. Press complete when you want to close the boundary .


### Job Menu

Select an existing job ,


or

Create a new one .


#### Optional

Configure the headland options  
(requires a boundary) .


### Guideline Menu

Select the type of guideline ,

or

Select an existing guideline ,

or


Create a new guideline line .

Record a guideline:

 - Start recording a guideline.

 - Stop recording a guideline.

### Shutting down


Briefly press the green power button and select  to shut down the console.


**CAUTION:** Pressing and holding the power button will reset the console. Resetting can result in data loss and should only be performed if the console is not responding.

## Steering Status

Steering Status

- Receiver hardware
- Differential correction
- Position accuracy
- Steering controller
- Vehicle geometry
- Vehicle profile
- Steering calibrated
- Lockout
- Wayline available
- Wayline synchronized
- Prohibited operation
- Operator presence
- Steering wheel
- Speed
- Crosstrack error
- Heading error


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Steering Status Error	Action
<b>Receiver hardware</b>	Check harness connections, antenna connector, power connections at the battery terminal.
<b>Differential correction</b>	Check correction source requirements from Setup screen / System / GPS / Correction.
<b>Position accuracy</b>	Allow time for convergence to occur. Check satellite icon color and number on dashboard. Select the appropriate correction source.
<b>Steering controller</b>	If using AES-25, power cycle the AES-25, then turn wheel a ¼ turn to enable steering.
<b>Vehicle geometry</b>	Set the Vehicle Geometry and re-enter vehicle dimensions. Or re-select the Vehicle Profile.
<b>Vehicle profile</b>	Review which vehicle has been selected and review geometry.
<b>Steering calibrated</b>	Drive to an open space away from power lines and obstacles, restart the system and repeat calibrations.
<b>Lockout</b>	The steering system is in transport mode (i.e. when driving on a highway) so that the steering cannot be inadvertently engaged.
<b>Wayline available</b>	Confirm that guideline has been created and selected. Drive closer to the wayline (guideline).
<b>Wayline synchronized</b>	Confirm connection with receiver and reload the wayline.
<b>Prohibited operation</b>	Steering cannot be engaged while certain actions are being performed. For example; calibrating steering, changing GPS settings, exporting a job.
<b>Operator presence</b>	Occupy the driver seat. The steering system disengages if the driver leaves the control seat.
<b>Steering wheel</b>	Check steer disengage button/lever and wheel angle sensor function.
<b>Speed</b>	Adjust vehicle speed according to the range defined for the vehicle profile.
<b>Crosstrack error</b>	Drive closer and slower to the guideline before engaging auto steering.
<b>Heading error</b>	Check the angle or reduce speed of the vehicle's approach to the guideline.