

Topcon X Displays Quick Start Guide - Operation Screen

Navigation bar

-  System information

-  Guidance

-  GPS information

-  System diagnostics

-  Task information

-  Auto section control

-  ISOBUS universal terminal

-  Seeder

-  Spreader

-  Sprayer

-  Switchbox

-  Yield monitor

-  Boom height control

-  Weather station

-  Plot planter

-  TAP

-  Inventory manager

-  Setup screen

View controls

	Select mode		Guidelock mode		Center panned map
	Select map layers		Toggle map view mode		Zoom out / in



Dashboard

Provides selected information to monitor system status and performance

Swipe up from base of screen to display the toolbar. Displays buttons to turn off the console (X25 and X35), show help hints, eject USB, take screenshots, video screen capture, show home screen, adjust brightness and switch between day and night mode.



Guidance toolbar

-  Task button

-  Field menu

-  Task menu

-  Guideline menu

-  Guideline group menu (disabled by default)

-  Steering options menu

-  Nudge menu

-  Master switch, turns product application on and off

-  Auto steer engage, turns auto steer on or off

Getting started

Task button

Press to start a task and begin recording data.

Automatically creates a client, farm, field etc if these have not already been set up.

Performed functions are displayed in a popup message.

Depending on what state the system is in, the appearance of the task button will vary:

-  Preconditions to start a task are not satisfied. Press to display errors preventing a task from running.
-  A task is ready to be started. (The task already exists.)
-  A task can be started. Starting a task will first create a task (and possibly a field).
-  A task is running and actively recording data.
-  The task is paused. Press the button to resume the task.
-  The task is completed.

Field menu

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 .
5. Configure the headland options .

Shutting down or restarting

X25 and X35: Swipe up from the base of the screen to display the console toolbar and select , or briefly press the green power button and select OK 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.

XD and XD+: Press the power button on the left of the console.

To restart all displays, swipe up, select  and select Restart.

A pop up message displays the functions that have been performed when the task button is pressed.



Guideline menu

Select create guideline .

Select guideline type.

 Start recording a guideline.

 Stop recording a guideline, or

Select an existing guideline .

Menu options – Guidance toolbar

Field menu

-  Select field
-  Create new field
-  Unload field
-  Place flag point
-  Record field boundary
-  Complete field boundary recording
-  Boundary recording offset
-  Configure headland for task
-  Clear boundary
-  Create boundary from shapefile
-  Create boundary from coverage

Task menu

-  Select task
-  Create new task
-  Configure task regions
-  Clear task data
-  Variable rate control
-  **Steering options menu**
-  Auto steer status
-  Auto steer tuning parameters
-  Auto steer calibration

Guideline menu

-  Select guideline
-  Cycle guidance mode
-  Cycle guideline
-  Create guideline
-  Record AB line
-  Record identical curve
-  Record pivot
-  Manual AB line window
-  New project lines
-  Configure tramlines
-  Configure headland turns

Master switch - status colors

(Not available with ISOBUS implement)

-  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.

Steering status

Steering Status

- ✓ Receiver hardware
- ✓ Differential correction
- ✓ Position accuracy
- ✗ Steering controller (Detecting...)
- ✓ 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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OK

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

