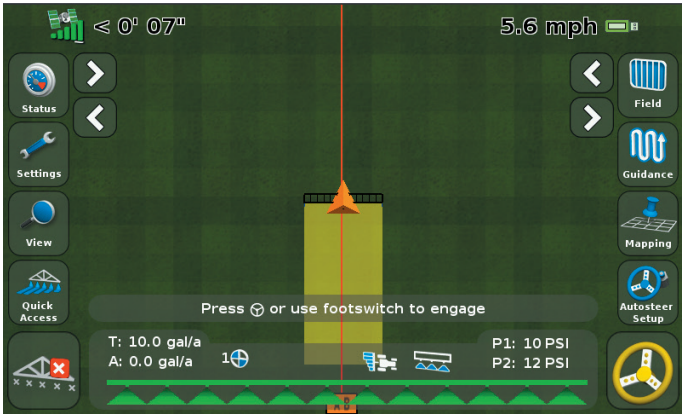
Trimble® CFX-750™ Display
Quick Reference Card

Run screen

The Trimble® CFX-750™ display is a touchscreen display. To configure and run it, tap the icons that appear on the screen. The icons on the screen will vary depending on the applications you are running. The image below shows the areas where each main function can be found on the screen when you are using the display and software in the field.



Quick Start Wizard

By default, the Quick Start Wizard appears every time you turn on the CFX-750 display. It enables you to easily confirm or change important system settings before you begin working.

Setup and configuration

To set up or configure features manually from the Run screen, tap the button.

Help

The CFX-750 display has built-in, context-sensitive Help that lets you quickly find information you need. To access Help from any configuration screen, tap ?. When you are finished with the Help screen, tap .

Note *- For more information on how to use this product, refer to the CFX-750 Display User Guide.*

System icons

Icon	Description
	System and display setup
	EZ-Steer® setup
	GPS / GLONASS setup
	Data configuration
	Display in-built help
	Access configuration screens
	Next page
	Back page
	Cancel changes
	Accept / save changes
	Delete
	Status information
	Edit item
	Menu
	Configure
	Setup wizard

Mapping icons

Icon	Description
	Map line feature
	Map tree (point feature)
	Map rock (point feature)
	Mapping configuration
	Area feature
	Map weed (point feature)
	Map Exclusion zone

Application icons

Icon	Description
	Manual section control
	Automatic section control
	Target rate
	Section control off
	Coverage logging on
	Coverage logging off

View icons

Icon	Description
	Activate external video input
	Full screen external video
	Run screen trailing view
	Run screen overhead view
	Zoom in
	Zoom out

Information icons

Icon	Description
	Setup complete
	Critical warning
	General alert
	Information

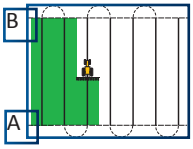
Guidance icons

Icon	Description
	Guidance pattern select
	Pause guidance
	Nudge left
	Nudge right
	Record FreeForm™ guidance pattern
	Set A point
	Set B point
	Start recording headland
	Pause recording headland
	End headland recording
	Cannot engage auto guidance
	Ready to engage auto guidance
	Auto guidance engaged
	Adjust auto guidance aggressiveness
	Shift AB line
	Next AB line

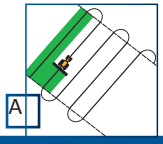
Guidance patterns

AB Line / A+ Line

Use a straight AB line when you do not need to define headlands and you want to drive the field in parallel straight lines - set the A point at the start of the line and the B point at the end.



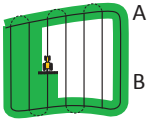
An A+ line is a straight line, defined by a single A point on the line and the heading of the line. When you create an A+ line, you must enter a heading in the A+ Heading screen. By default, the A+ heading is the same as the previous AB line.

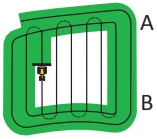


Headland

The headland pattern enables you to define the boundary (headland) of the area, as well as the guidance lines contained within it. Use the headland pattern to allow room to turn. Enter the number of headland circuits you want before you start defining the field. Start the headland, define the guidance line, and then return to the start circle or tap to complete the headland.

Single headland





Multiple headland

Note *- Additional headlands are based on the first headland circuit.*

Center-pivot

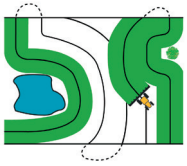
Use the pivot pattern on fields that use center-pivot irrigation. With this pattern, you can drive concentric circles around the center-pivot.

Set the A point, drive the outside curvature pivot, and then set the B point. For best results, follow the outermost wheeltrack of the pivot arm.

Note *- To work from the center of the field outwards, the initial pivot must have a radius of at least two swath widths and an arc length of at least four swath widths.*

Freeform

Creates curved and straight lines for guidance in fields of any shape by recording the exact path you have driven, to generate the next pass. Ensure that you keep recording your path, to continue receiving guidance.

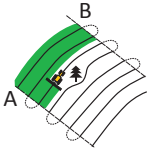


You can record your path manually or let the system record it automatically (when coverage is enabled).

When more than one path is in the area, use the Next AB icon to toggle between them.

Identical curve

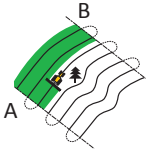
The identical curve pattern records your exact route between the A and B points, instead of creating a straight line. All subsequent guidance lines will match the master curve, regardless of where you drive the vehicle.



Guidance is based on the initial curve. Any deviations are ignored. Set the A point, drive the curve, and then set the B point.

Adaptive curve

The adaptive curve pattern provides guidance along a curve and updates guidance after each swath to take into account any deviations you make. It continually records your path and provides guidance that matches the last path you drove. Guidance is always based on the last pass.



Auto U-turn detection = On: Each new swath is automatically generated when you turn.

Auto U-turn detection = Off: Set the B point at the end of each pass to create the next swath.

GPS Quality Settings

The CFX-750 display will always provide the most accurate position possible, but you can select the minimum operational thresholds for guidance operation.

To set the level of GNSS performance allowable for operation, tap , tap and then tap until the *Position Quality* screen appears.

Bars	Option	Select
	Favor Accuracy	For operations that require the highest accuracy, such as row crop planting and strip-till applications. ***Note -*** *Trimble recommends this option for the best pass-to-pass or strip-till applications.*
	Balanced Quality	To trade potential accuracy for a slight increase in production time.
	Favor Availability	To expend production time further, with more potential for reduced accuracy. ***Note -*** *This option sometimes trades some accuracy for more availability or runtime. This option may still achieve the highest level of accuracy that is applicable for your correction source. If you select this option when using RTK corrections, the system may use positions that are greater than 1" pass-to-pass accuracy.*

Status indicators

On the main guidance screen, there are two status indicators:

Icon	Satellite status	Icon	USB drive status
	Good signal		Connected and ready
	Signal outside acceptable settings		Loading
	No signal		USB disabled

Note: *If a USB drive is not connected, the USB icon does not appear.*

Mapping

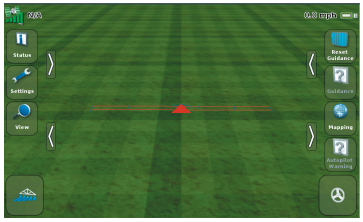
To activate mapping functions, tap the button on the Run screen. The mapping tray contains icons that correspond to point, line, and area features that can be recorded and saved with the field. Area features can be used to map exclusion zones for section control.

To configure the mapping options for warning zone distance and recording position, tap , tap ... and then tap . Set the mapping preferences for point, line, or area.

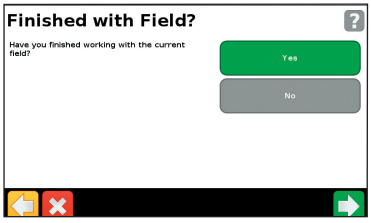
Creating a field

***Note** - Tap to move to the next screen.*

1. In the Run screen, tap **Field** .



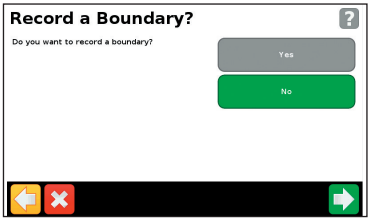
2. If you have finished with the current field, tap **Yes**.



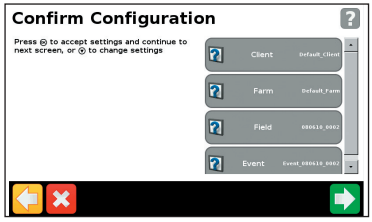
3. Select **Create New Field**.

4. In the *Create New Field* screen, confirm or change the **Pattern Type** and **Implement Setup**.

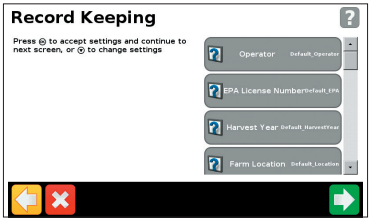
5. Decide if you want to record a boundary.



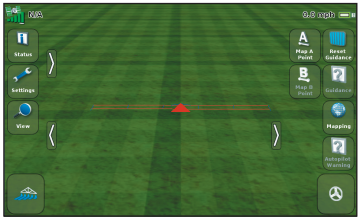
6. Confirm or change the name of the *Client, Farm, Field*, or *Event* to use.



7. If required, enter *Record Keeping* information (for example, EPA number and wind speed).



8. With the vehicle in position at the start of the swath, create the guidance pattern you selected in step 4.

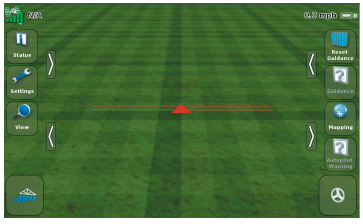


Creating a guidance line

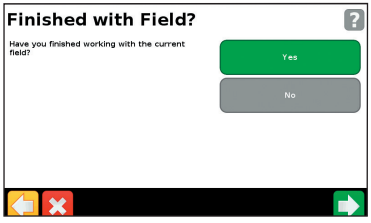
To create a guidance line, define a start point (A) and an end point (B). The display draws a line between the two points. This is the master AB line (AB lines are stored automatically). Once the first guidance line is defined, the display copies it to create additional swaths that are separated by the defined implement swath width.

When you create a field, you must create a guidance line. To create additional guidance lines within a field:

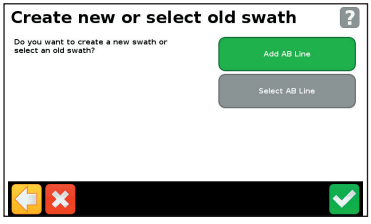
1. In the Run screen, tap **Field** .



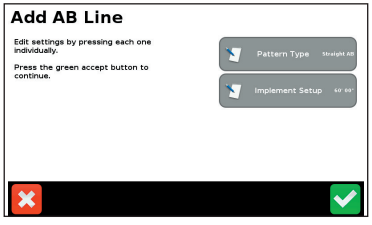
2. In the *Finished with Field* screen, tap **No**.



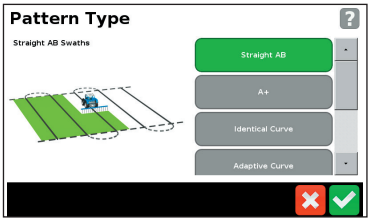
3. Select **Add AB line**.



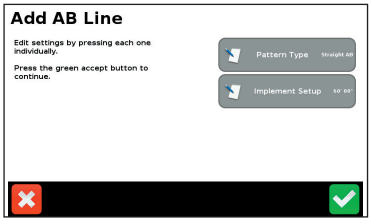
4. Tap **Pattern Type**.



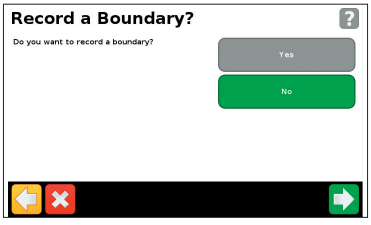
5. Select the guidance pattern.



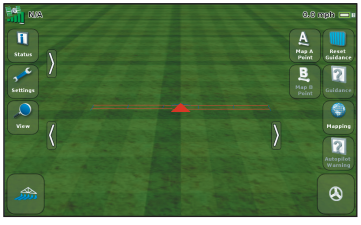
6. Tap .



7. If required, record a boundary.



8. With the vehicle in position at the start of the swath, follow the onscreen instructions to set the A point – at the end of the swath, set the B point.



Creating a boundary

Boundaries are created when you set up a new field, or can be added to an existing field.

Note the following:

- When you record a boundary, the display automatically calculates the area of the boundary and shows this information on the Status tab.
- When you load a field that contains a boundary, the boundary is also loaded.
- You can record multiple boundaries in a single field.
- If your variable rate controller has section switching capability, a boundary acts as a switching barrier. When you move outside the boundary, the controller will automatically switch the implement off.

Exporting field data

Records of the field data are automatically stored on the CFX-750 display. These records include application coverage, event information, and other field characteristics.

To export field data for viewing on an external computer:

1. Insert a USB drive into the USB port on the CFX-750 display.
2. Click *Settings / Data Management.*
3. In the *Data Management* screen, select *Transfer / Manage Data.*
4. Select *USB / Send Data / Send Fields to USB.*
5. Select the name of the Client, Farm, Field, and Event that you want to export to the USB drive. To select all field data, select *Client / All*.
6. Click ✅ to accept the confirmation message.

Viewing field data

The CFX-750 package contents may include an installation CD-ROM for Farm Works™ View software. This software is complimentary and can be used to manage your field information, view coverage logging and field information, and to preset names of clients, farms, and fields that can be imported into the CFX-750 display. You can also download Farm Works View software at no charge from http://www.farmworks.com/products/Office/View.

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