Quick-Start Guide

FendtONE onboard

FendtONE onboard
When technology and comfort become one.

The purpose of this guide is to help you familiarise yourself with the tractor quickly. The FendtONE Offboard Quick Start Guide contains information on the tractor's basic features and functions, as well as how to operate it.

If you require further detailed information, please refer to the operating instructions or contact your local sales partner.
This document is not a substitute for the operating instructions or for guidance provided by trained staff.

For further information, Fendt How-to videos and details on the latest software updates are available.

This FendtONE Onboard Quick-Start Guide is based on the hardware and software version dated 06/2026. A new software version with new features and improvements is released twice a year. Information on the software version of your FendtONE tractor, as well as all the details about the software update: Software Updates

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To the How-to Videos

Cab

1. Dashboard
2. Terminal
3. 12" roof-mounted terminal
4. Drive lever
5. 3L-Joystick / crossgate lever
6. Pushdial
7. Operating buttons
8. Rocker

Colour coding of the operating elements

Orange: Engine and transmission

Blue: Hydraulics

Yellow: PTO

White: freely assignable buttons

Turquoise: Fendt TI (headland management), ISOBUS & automatic power lift and PTO

To the How-to Videos

Armrest

Bluetooth

Media

Phone

Track guidance settings

Air-conditioning

System settings

Work profiles

User settings

Manage fields

Main menu

Cruise control memory

Engine speed memory

Accelerator pedal resolution

Current fuel consumption

ISOBUS UT

Customised Control Manager

Screen is active

To the How-to Videos

Drive lever

1. Fendt TI (activation of headland management sequence or automatic functions)
2. Linear modules
   Green: Valve colour coding
   Red: Status (Active/Locked)
   Blue: Function group
3. Track guidance activation
4. Freely assignable keys
5. Safety button
6. Acceleration ramp
7. Toggle switch (3L-Joystick only)

The I/II range selector button is only available for model series without VarioDrive and at speeds above 40 km/h.

To the How-to Videos

3L-Joystick and crossgate lever

1. Crossgate lever/axle joystick
2. 3L-Joystick/axle thumbstick
3. Freely assignable key
4. 3L rocker switch

Expert tip: The 3L rocker switch is used to switch between the 3 operating modes (red, blue, green). The 9 functions of a level can therefore be assigned in 3 different ways, resulting in 27 control options for the 3L-Joystick.

Expert tip: Use button 3 on the 3L- joystick to easily change the direction of travel, e.g., when using the front loader.

To the How-to Videos

Pushdial

1. **Infotainment functions**
   Turn to adjust the volume, press to mute, press to the side to change the track or channel.
2. **Climate control**
   Turn to adjust the temperature, press to activate automatic mode, press to the side to adjust the fan speed
3. **Back button**
   Press to return to the previous user screen
4. **Quick access to tractor functions**
   Further information on page 10
5. **Quick access to the Individual Operations Manager (IOM)**
   Further information on page 25
6. **Switching between terminals/dashboards**
   Pressing the rotary dial switches to a different display. A blue frame appears around the selected display for a few seconds.
7. **Rotary dial**
   Press down, press in any of the four directions, or turn to control the preselected display

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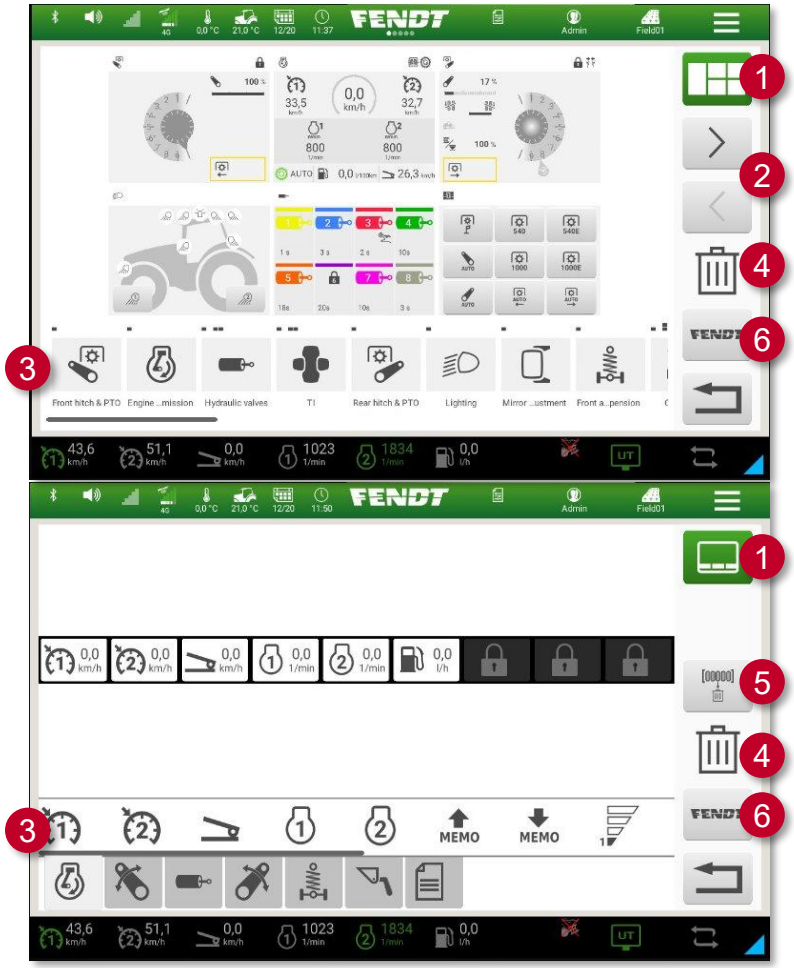
Overview manager



Customisation of the terminal display

1. Switch from the layout and assignment of the overview manager to a freely configurable footer
2. Switching between different pages
3. Select a function group or display function
4. Delete individual function assignments
5. Remove all icons from the footer
6. Restore factory settings

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Tractor functions

1. Front power lift/PTO
2. Engine & transmission
3. Hydraulics
4. Fendt TI (headland management system)
5. Rear power lift/PTO
6. Lighting
7. External mirror settings
8. Front axle suspension
9. Cargo Profi menu (front loader)
10. Scale counter (front loader)
11. Cargo menu (front loader)
12. Air-conditioning
13. RDRA (VarioGrip)
14. Media (Radio, AUX, Bluetooth)
15. Telephone
16. Customised Control Manager
17. Camera
18. Fendt Guide
19. Fendt TaskDoc
20. ISOBUS UT
21. Section Control
22. Fuel consumption
23. On-board computer
24. Device manager
25. Service
26. Seat adjustments

System settings

1. **General:** Time, time format, units
2. **Track guidance:** Signal type, fail-safe, RTK activation
3. **Connectivity:** Data transfer (USB/Internet), mobile networks
4. **Steering:** Steering behaviour and aggressiveness (guidance), superimposed steering, auto-offset
5. **ISOBUS:** ISOBUS settings, Task Doc, Section Control

To the How-to Videos

Engine and transmission

Expert tip: If cruise control is not preset, you can set the current speed as the cruise control speed by pushing the speed control lever to the right. You can then adjust the speed by turning the thumb wheel.

Expert tip: The acceleration sliders on the back of the joystick not only affect the tractor's acceleration, but also how aggressively the tractor changes direction and brakes.

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Engine and transmission

1 **Cruise control**
Two cruise control speeds are available. Cruise control can be set in the ‘Engine and Transmission’ menu or by pressing and holding a cruise control button.
The set speed is displayed on the dashboard and on the terminal.
Activation via pushing the drive lever to the right, integrated into a Fendt TI sequence (headland management) or via a white button.

2 **Setting the cruise control**
Turning the scroll wheel allows you to change the cruise control’s preset speed or adjust the current cruise control speed

To the How-to Videos

Engine and transmission

3 **TMS drive pedal:** the upper button (3) lights up, indicating comfortable pedal mode with automatic deceleration to a standstill
TMS drive lever: lower button (new symbol) (4) lights up, speed is maintained, no coasting
Without TMS: no buttons light up; standard operation using the drive lever or drive pedal

4 **TMS Flex:** when both buttons (1) and (2) are activated (green light), the driver can switch spontaneously between foot and hand controls depending on the situation.

Practical application of TMS Flex, for example;

- **As a transport vehicle alongside a forage harvester** by simply maintaining a constant speed with the drive lever and making flexible, spontaneous adjustments at any time with the accelerator pedal → Greater driving comfort thanks to on-the-fly adjustments
- **When cultivating** by starting with the drive lever and switching to the drive pedal when engaging the implement, which helps preven the “swallowing-effect”. → High sensitivity in changing operating conditions

TMS Flex is only available for new machines manufactured on or after 26 June 2026.

To the How-to Videos

Engine and transmission

5 **Engine speed memory**
Two speed memory slots are available. The engine speed presets can be set via the engine and transmission menu. Pressing and holding a memory button saves the current engine speed. It can be activated manually or integrated into a Fendt TI sequence (headland management).

6 **Differential lock (Auto mode)**
Automatic activation of the differential lock depending on the steering angle and driving speed

7 **Four-wheel drive (– automatic mode)**
Automatic activation of four-wheel drive depending on the steering angle and driving speed (on tractors with VarioDrive, the buttons are replaced by two programmable buttons). Applies only to the 200 Vario (Standard & VFP) and 300 Vario.

8 **Hand throttle**

9 **Accelerator pedal resolution**
Limits the maximum speed of the accelerator pedal. Enables precise manoeuvring, for example when installing or dismantling equipment

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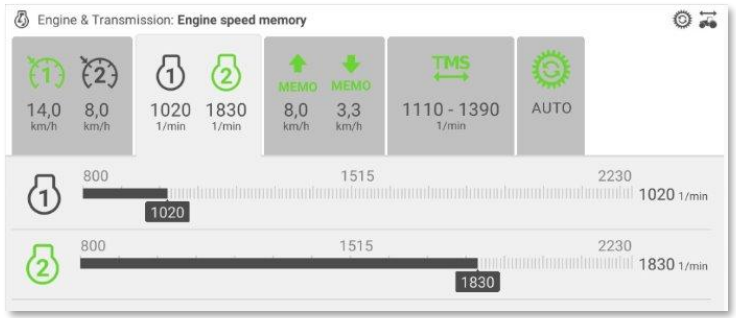
Engine and transmission settings

Cruise control
The two cruise control speeds can be set by moving the slider, either via the touchscreen or using the rotary knob.



Memory for the engine speed
The two engine speed memory slots can be adjusted by moving the slider, either via the touchscreen or using the rotary knob.

Memo
Memory speeds for manual or speed control lever mode. When activated, the tractor automatically accelerates to the preset speeds after changing direction.

Expert tip: The acceleration on the first ramp can be adjusted individually between 0.02 km/h and 0.5 km/h

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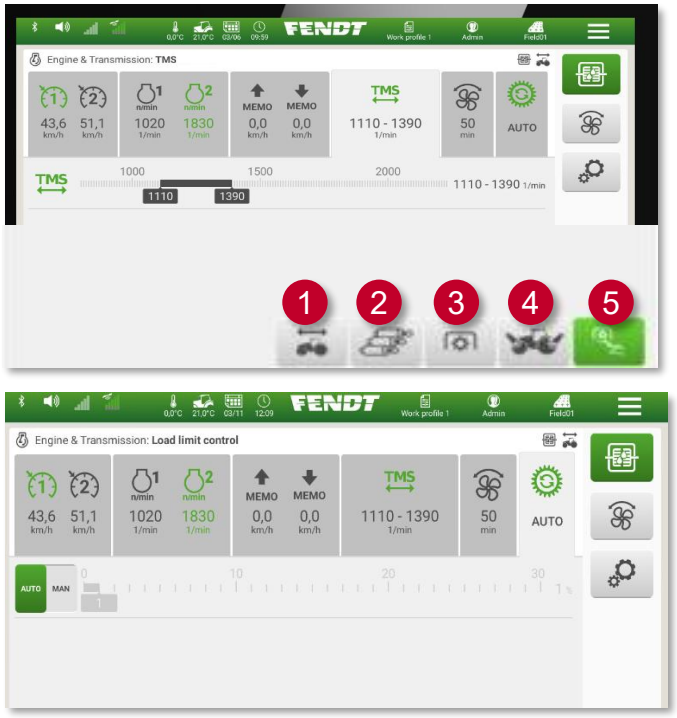
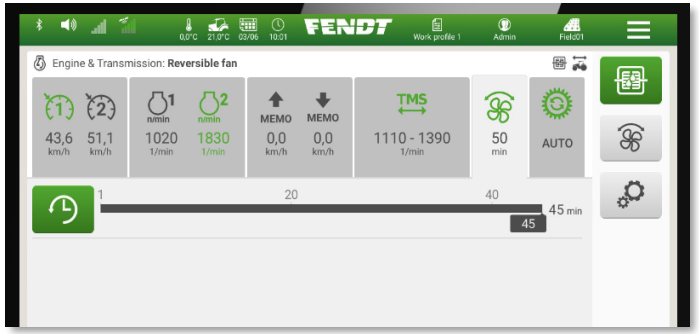
Engine and transmission settings



TMS speed band

Various triggers set the engine speed to a specific, predefined speed range

1. Drive (forwards and reverse)
2. Hydraulic functions (control unit or front loader)
3. PTO active
4. Operating the front or rear power lift
5. Engaging the PTO from the outside



Reversible fan activation of interval-controlled operation. Or manual activation *(fan icon on the right)*

Check the maximum load control

The maximum load control determines how far the engine speed is allowed to drop under load before the tractor adjusts the transmission ratio (towards ‘slow’). The maximum load control can be adjusted by moving the slider on the touchscreen or using the pushdial.

Expert tip: Automatic mode for maximum load control is the right choice in almost all driving situations; manual mode may only be advantageous for specific tasks.

To the How-to Videos

Power lift & PTO

1 **Activation of the front PTO**
Double-tap to activate.
To prevent the system from switching off when you leave the seat, stationary mode must be activated in the front linkage menu.

2 **Activation of the rear PTO**
Double-tap to activate.
To prevent the system from switching off when you get out of the seat, you must activate stationary mode in the rear power lift menu.

1 **Scroll wheel working depth of the front power lift**
Fine adjustment of the front linkage height

2 **Actuating the front power lift**
Proportional raising and lowering of the front power lift. Press down firmly: activates the float mode or movement to the stored setpoint, depending on the preselection. Press upwards: Quick lift.

To the How-to Videos

Power lift & PTO

3 **Actuating the rear power lift**
Proportional raising and lowering of the front power lift. Press down firmly: activates the float mode or movement to the stored setpoint, depending on the preselection. Press upwards: Quick lift.

4 **Scroll wheel for the working depth of the rear power lift**
Fine adjustment of the rear linkage height. If the wheel is turned in conjunction with button 5, the working depth setpoint is adjusted together with the rear linkage.

5 **Key for the working depth**
On the armrest right-hand side, there is a button which allows you to adjust the set working depth at the touch of a button. If the button is pressed while the rear linkage is being adjusted using the wheel, the setpoint for the working depth is changed.

6 **Front and rear power lift mini-display**
The current status of the linkage is displayed, e.g., up and down movement, float position.

To the How-to Videos

Power lift & PTO

7 **Locking the front and rear power lift**
This must be unlocked every time the tractor is started before the front and rear power lifts can be used

8 **Float position mode for front and rear power lifts**
Limited lifting height, e.g., when only a float position is required or for attaching implements

9 **Control mode for front and rear power lifts**
Limited lifting height and depth, two memory positions, EHR lifting functionality, set lifting height is continuously adjusted

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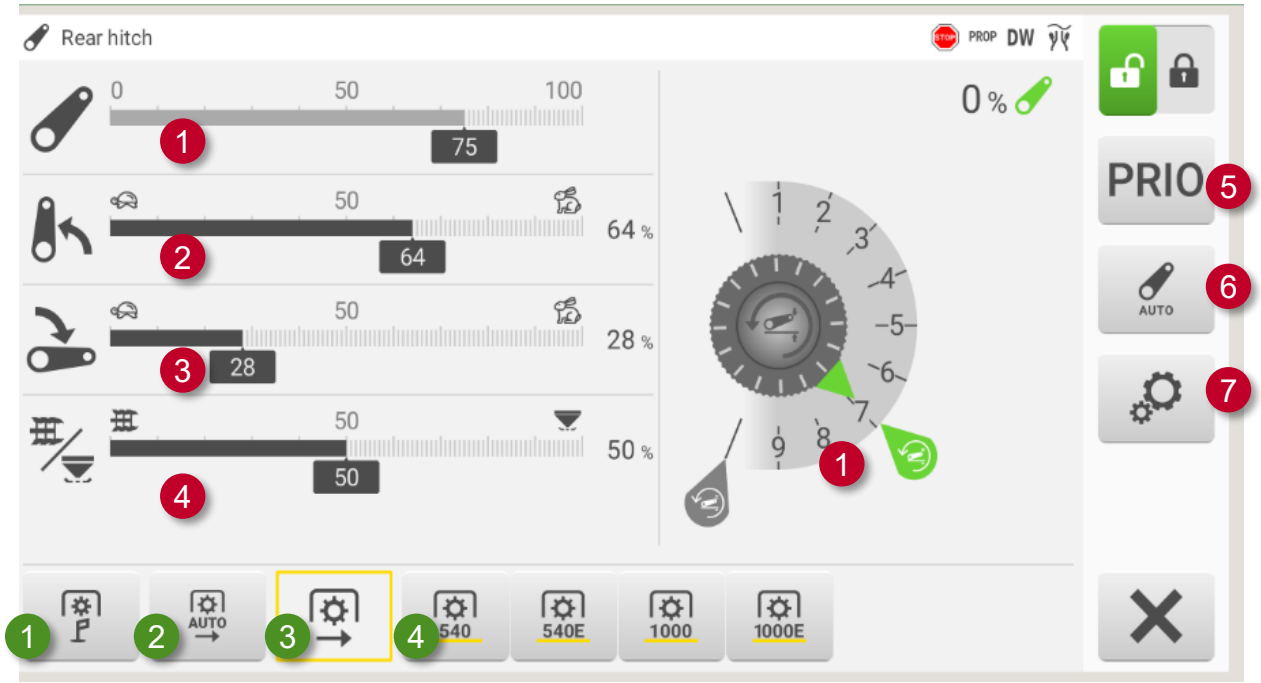
Front/rear power lift settings



1. **Stationary mode**
   The PTO is not switched off when the driver leaves the driver's seat

2. **Automatic PTO function**
   When the PTO is engaged, it can be switched on and off using the 'Go' and 'End' buttons (p. 6, button 1).

3. **PTO active/inactive**

4. **Select PTO speed**
   Selection between the various PTO speeds; only the available speeds are displayed

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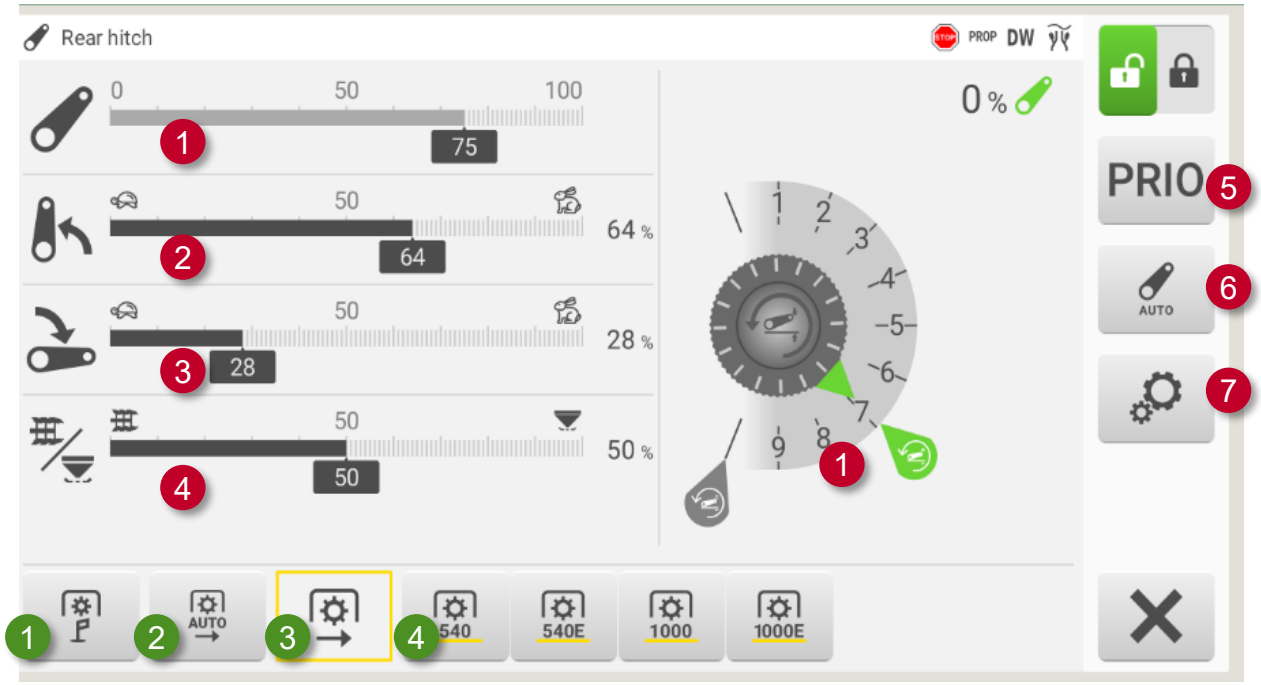
Front/rear power lift settings



1. **Working depth**
2. **Lifting speed**
   From 0% (slow) to 100% (fast). Adjustment via the terminal or a pushdial
3. **Lowering speed**
   From 0% (slow) to 100% (fast). Adjustment via the terminal or a pushdial
4. **Tractive power/Position control**
   0% = Pure tractive control
   100% = Pure position control
   0-100% = Mixed control
5. **PRIO function**
   If several hydraulic consumers are active, the consumer with the PRIO function enabled is given priority in the supply of available oil
6. **Auto power lift**
   If enabled, the raising and lowering of the linkage can be controlled using the ‘Go’ and ‘End’ buttons (p. 6, Button 1)
7. **Submenu**

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EHS valve

1 **Linear modules (rockers)**
Proportional operation of the control valves (downwards – , upwards +). The assigned valve is highlighted in colour on the mini-display.
. Pushing the linear modules past the bottom dead centre can relieve the load on the control unit. If the timer function is already activated, it is activated when you push up.

2 **Mini displays**

Green: Valve colour coding
Red: Valve locked
Blue: Valve unlocked

3 **Locking/unlocking a single control valve**
Alternatively, the valve can also be locked in the hydraulics menu

4 **Lock/unlock all control valves**

Expert tip: To set the dead centre function in the hydraulics menu, click on:

Mode	Overpressure -	Proportional -	Neutral	Proportional +	Overpressure +
	Float position	Time function -	/	Time function +	No function
	Time function -	Proportional -	/	Proportional +	Time function +
	Float position	Proportional -	/	Proportional +	Time function +

To the How-to Videos

EHS valve

1. **Valve name**
   Valves can be individually renamed
2. **Start-up behaviour**
   Valves can start up either gently (linearly) or abruptly (exponentially)
3. **PRIO function**
   When activated, the oil supply to the selected valve is given priority.
4. Lock/unlock EHS valve
   As on p. 23, buttons 3 & 4
5. **Adjust the flow rate**
   The flow rate can be set separately for both sides of the valve (+/-) in litres per minute
6. **Enabling/Disabling the Timer function**
   To activate it, press the button. Once activated, the time from 0 s to ∞ continuous flow can be set
7. **Load Sensing**
   Customise the preset pressure
8. **Automatic steering axle lock**
   Select valve for steering axle

9. **Select external valve operation**
   Select the valve to be operated from the rear mudguard (outside) of the tractor
10. **Advanced hydraulics settings**

To the How-to Videos

Customised Control Manager

1. Unlock the Control Manager
2. Select a function group
3. Select a role within the functional group
4. Possible assignment locations are highlighted with a green box. First click on the desired function and then on the assignment location, OR assign the function using ‘Drag and drop’
5. Restore factory settings
6. Delete selected assignment
7. Switch between a multi-function joystick, rocker, crossgate lever or 3L-Joystick and a custom button module

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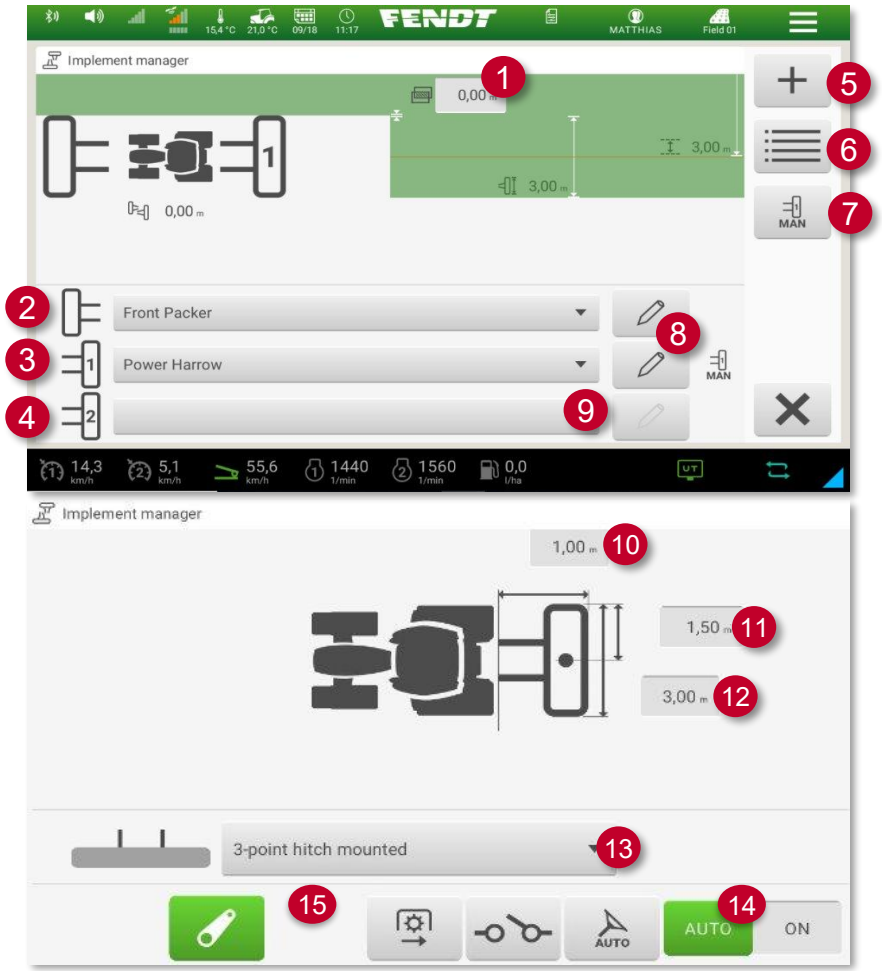
Device manager



1. Overlap
2. Front-mounted implement
3. Active implement, rear 1
4. Active implement, rear 2
5. Create a new implement
6. Display all working implements
7. Select the implement that determines the steering behaviour
8. Edit active implement
9. Select an implement via a drop-down menu
10. Distance from the coupling point to the operating point
11. Centre-to-centre distance
12. Working width
13. Type of towing hitch
14. Trigger function Automatic (AUTO) or continuous (ON) for marking the processed area
15. Trigger for AUTO logging

Automatic steering

Rear implement 1/2

Front-mounted implements

Tractor

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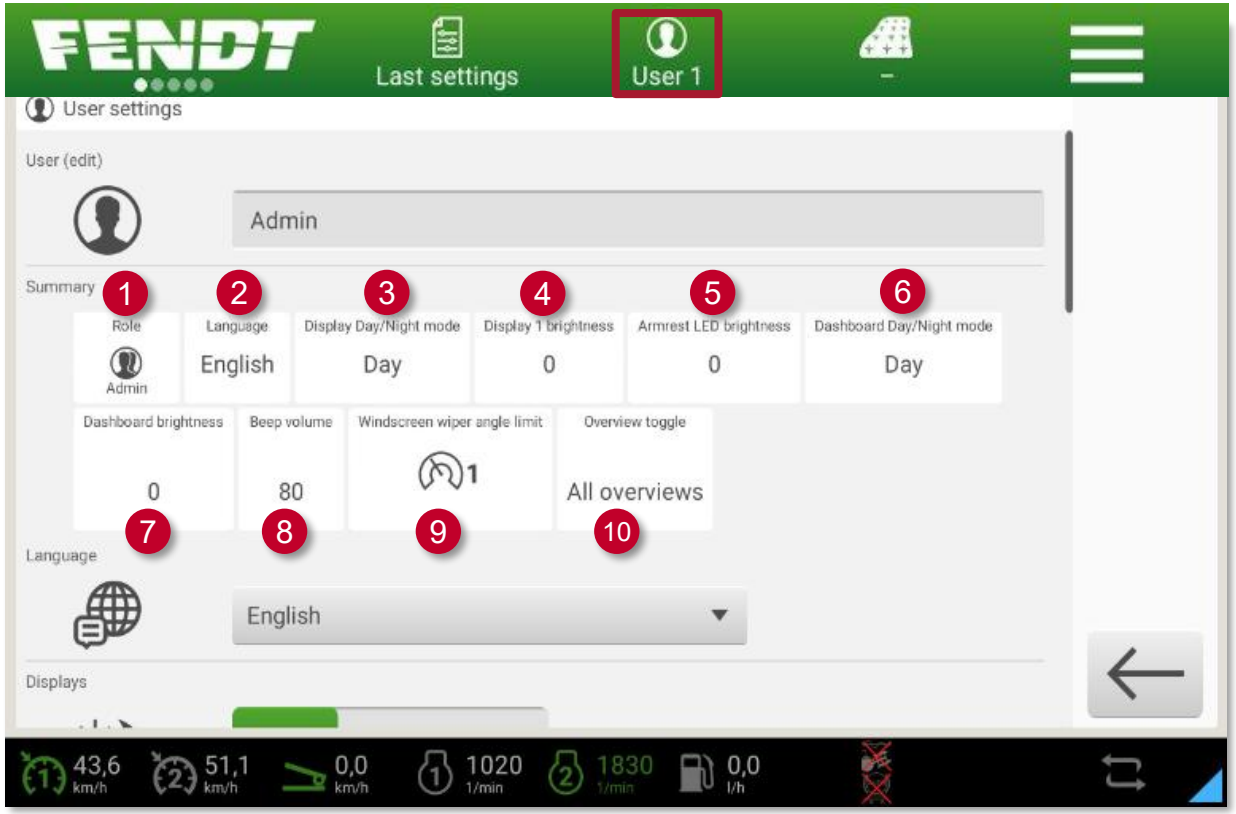
User profile



1. User Role
2. Language
3. Day/Night mode terminal display
4. Display brightness
5. Armrest LED brightness
6. Day/night mode dashboard
7. Dashboard brightness
8. Signal volume
9. Windscreen wiper
10. Overview switch

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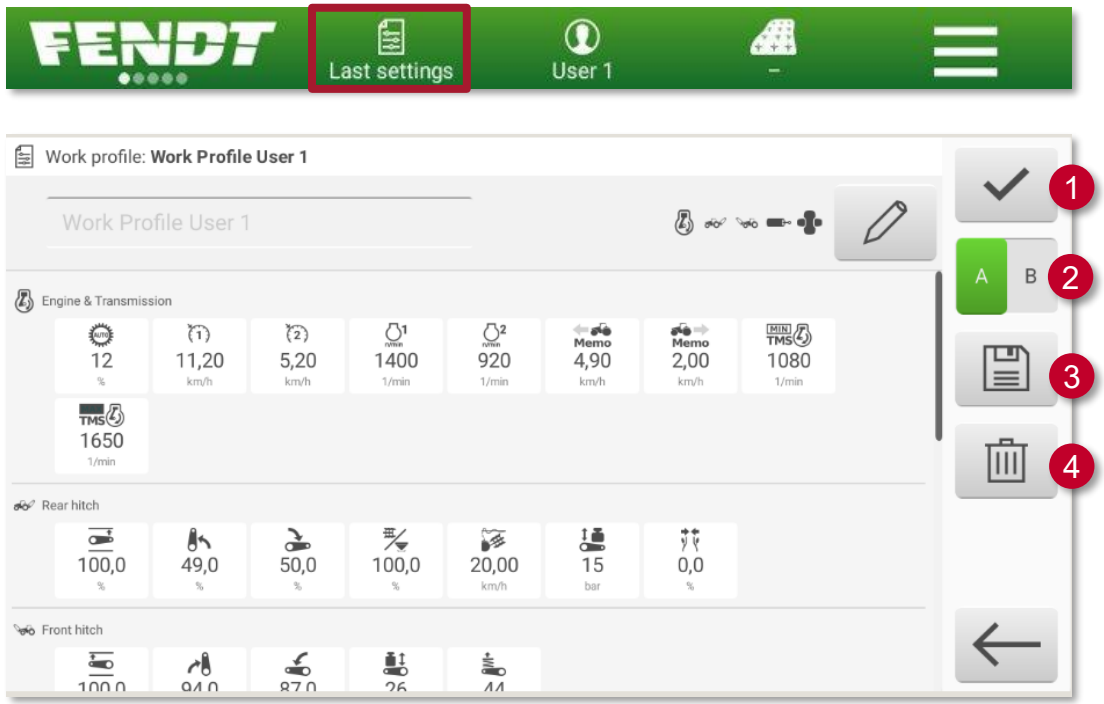
Work profile



1. Load work profile
2. Save to split the work profile into A and B

   To create field and road modes, or two different field modes, this must be set up when creating the profile
3. Save work profile
4. Delete work profile

Contains settings for:

- Work profile (working implement manager)
- Cruise control and speed memory (engine and transmission)
- Front and rear power lift
- Fendt TI IOM programming
- Fendt Guide / Section Control
- Configured home screen/overviews

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Create TI sequence

1. Unlock Fendt TI
2. Select the sequence (1–4) that you wish to edit
3. Activate editing systems
4. Choose direction
5. Select trigger
6. Trigger settings (time, distance, manual, power lift)
7. Select the next function
8. Record the sequence during operation
9. Play the sequence

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Fendt Guide functions

Activate Section Control

Headland Section Control

Activate TI Auto

Field/road mode

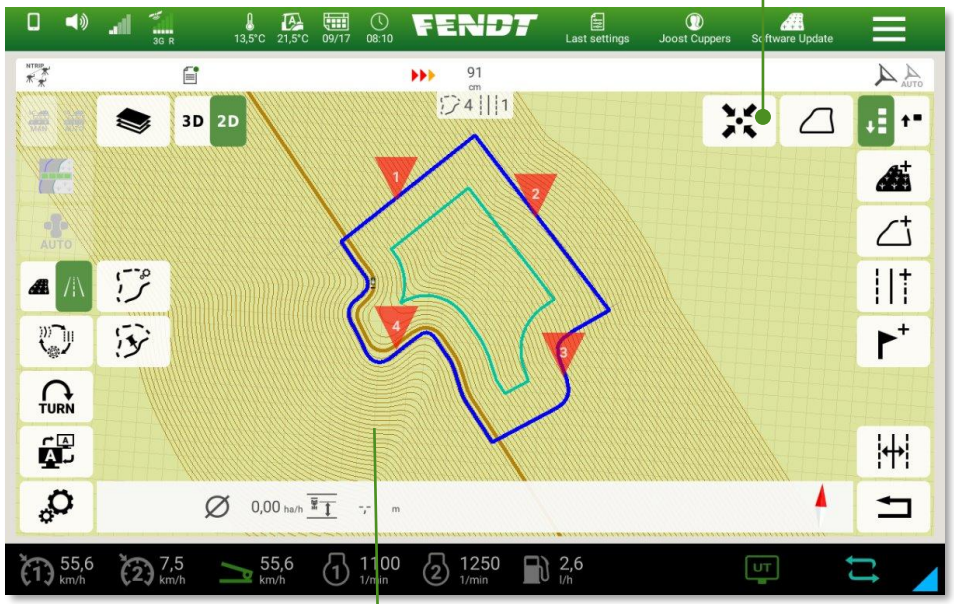
Change wayline

Turn Assistant

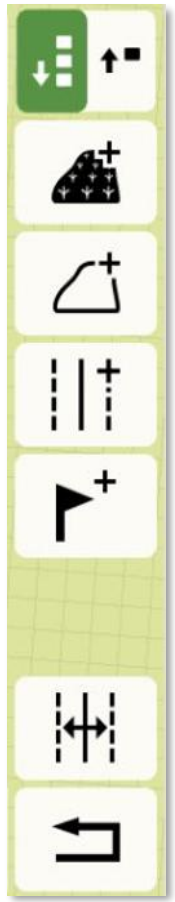
Update map in the dashboard

Preferences

Centring on the tractor



New: Two-finger touch functions familiar from smartphones



Show/hide options

Create a new field

Create a new border

Create a wayline

Create a marker

Move a wayline

Back

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Fendt Guide settings

Field settings

Delete processed area

Select the colour of the processed area, set wayline marking

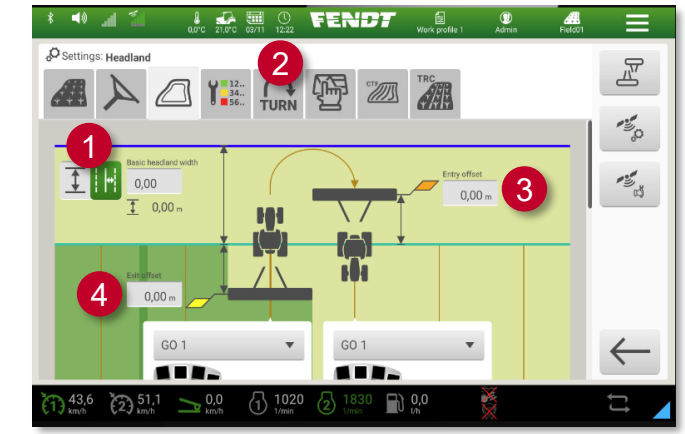
Steering settings

Steering sensitivity

Following behaviour

Pre-activation of the overlay steering

Settings for the headland



1. Headland width (in m/track)
2. Choose the automated TI-functions
3. Offset drive in TI Auto
4. Offset drive out TI Auto

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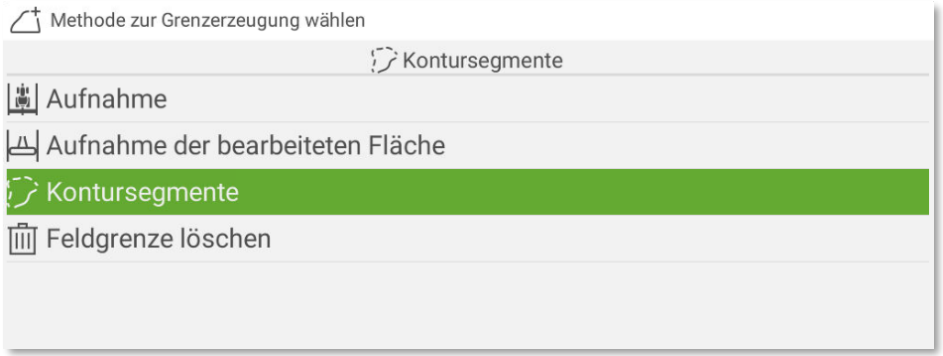
Creating field boundaries

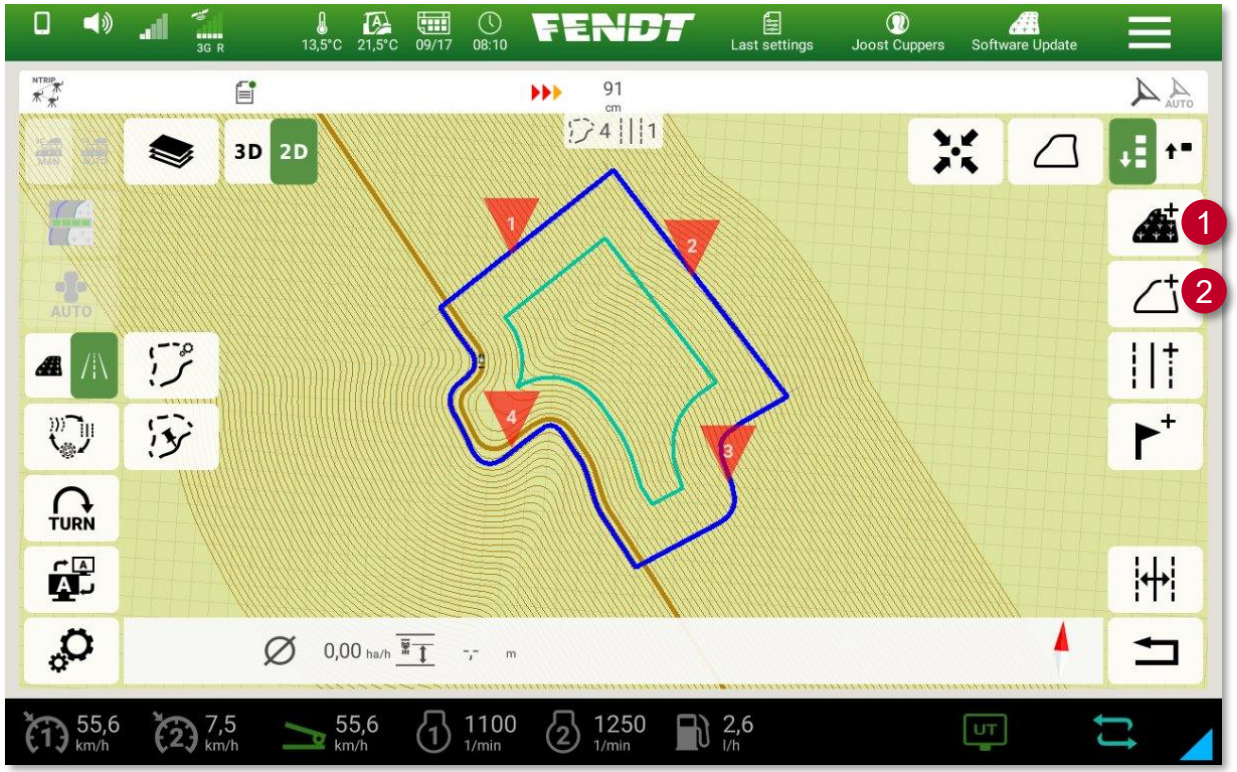
1. Create a field

   Enter field name

2. Create field boundary (4 options:)



Selecting the reference side/centre of the vehicle



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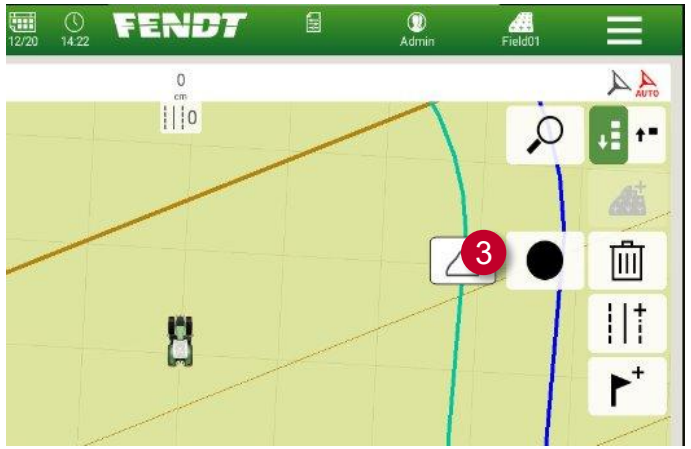
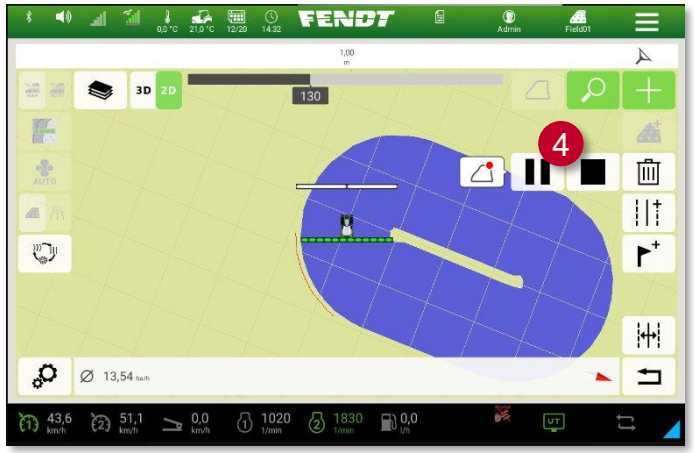
Creating field boundaries

3 Start recording

4 Pausing or stopping the recording
When the recording is paused, Fendt Guide draws a straight line between the point at which the recording was paused and the point at which it was restarted

Confirm recorded field boundary
When you stop recording, a pop-up appears where you can confirm the boundary and change the name.





Expert tip: Waylines and field boundaries can be recorded at the same time

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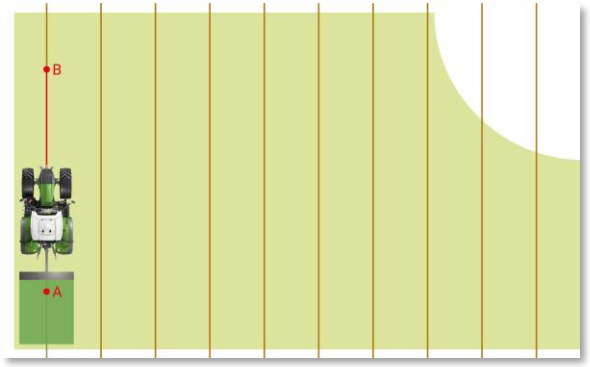
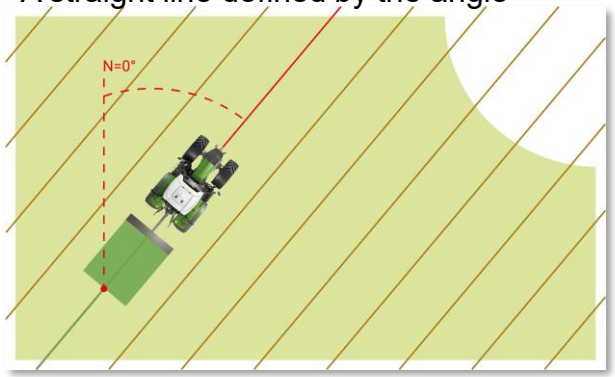
Types of waylines

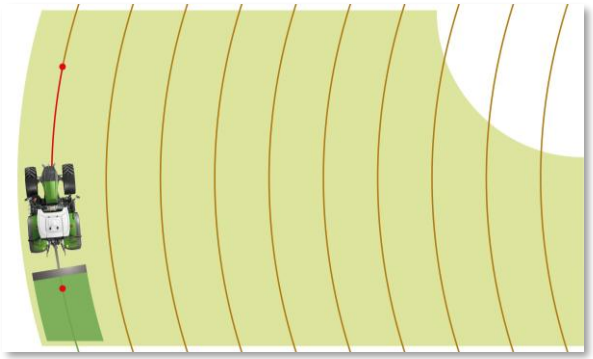
AB Line
A straight line defined by two points



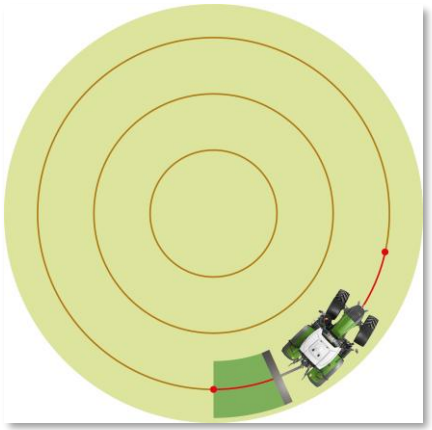
A+ Angle
A straight line defined by the angle



Curve
Recorded curve



Circle
Defined by two points and the curve between them



Adaptive Curve
Manual or automatic creation is based on the field boundary

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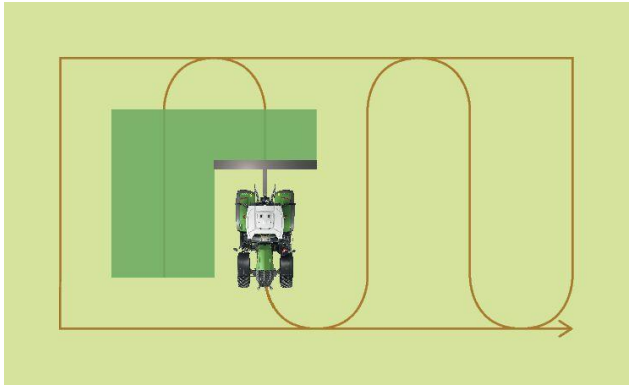
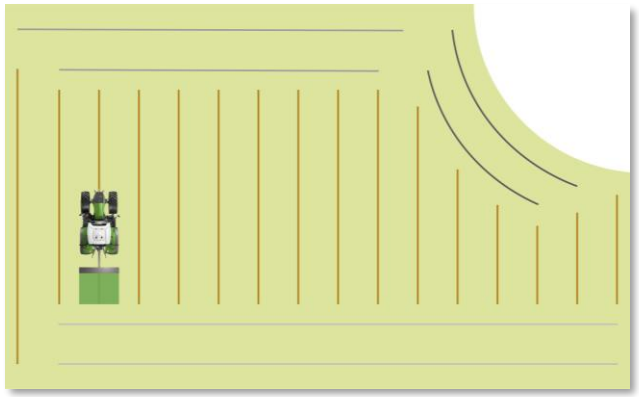
Types of waylines

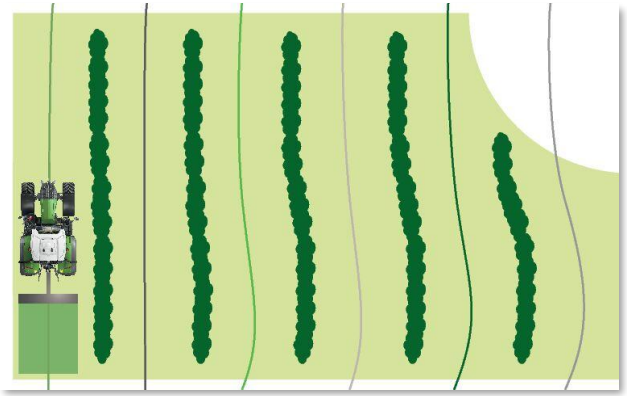
Single contour
A curve defined by the track previously driven



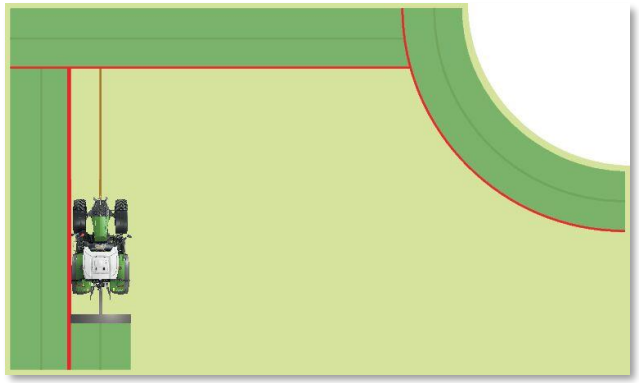
Contour segments
Track with free-form contours



Single Contour Segments
Several single contours, with no duplicates

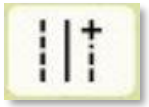


Coverage guidance
Track that is oriented on the already-processed area



To the How-to Videos

Create a wayline (AB Line)

1. Create a new wayline 
2. Select track type (see pages 34/35)

3. For example, AB line: Set point A

   Drive at least 10 metres

1. Set point B

5. Confirm the wayline

Delete

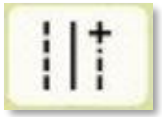
Save and use

Save only the wayline

Click in the name field of the wayline to change the name; the keyboard will then appear. The field to which the wayline belongs can be changed by selecting a different field from the drop-down menu.

To the How-to Videos

Create a contour segment

1. Create a wayline 
2. Select the contour segment mode
3. Select an option for creating contour segments:
   a. Recording contour segments: Drive along the field boundary and add as many segments as necessary:
      - Add (another) segment
      - End segment
      - Pause recording
      - Segment symbol
   b. Calculate from an existing boundary
   c. Calculate from an existing wayline
   d. Recording of the processed area

4. Once the contour segments have been created, the following options are available:
   - Delete
   - Save and use
   - Just save it and don't use it straight away

5. Optionally, additional waylines from another field or segment can be added in the contour segment management (Guide settings).

Note:
- Tap the wayline to rename it to the wayline's name.
- The field to which the segments are assigned can be changed by selecting a different field from the drop-down menu.

Expert tip: Contour segments can be created from an existing field boundary. To do this, select (b) "Calculate from boundary" and specify the desired number of segments.

To the How-to Videos

Automatic turning settings

Requirements:

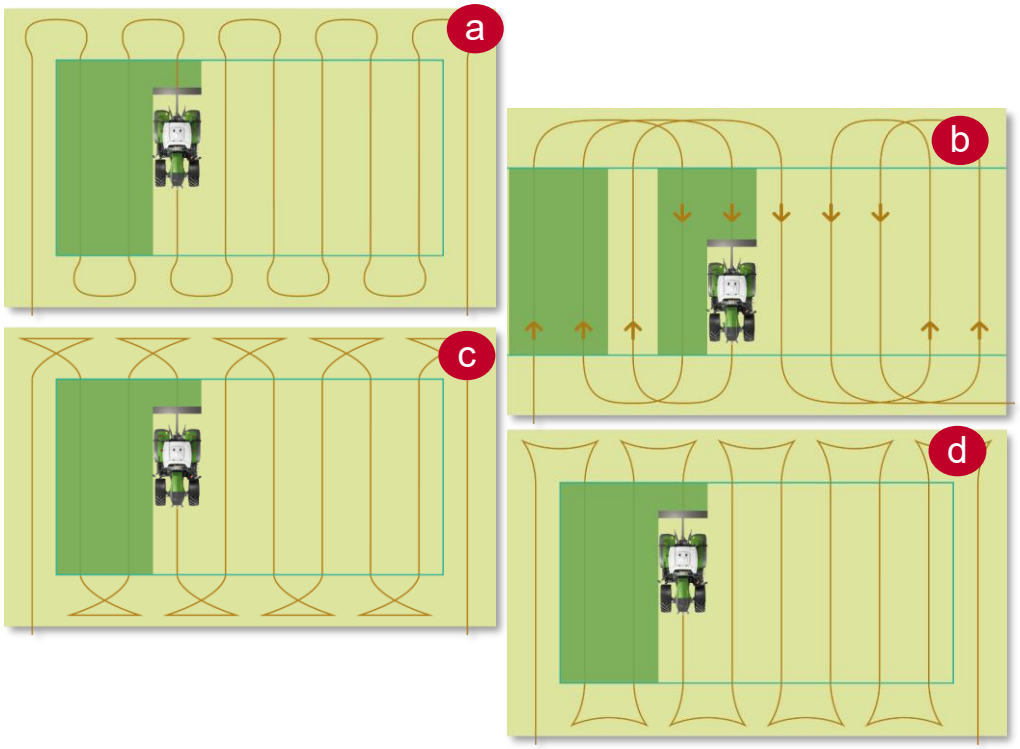
- Field with boundary selected/created
- Wayline selected/created
- Implement selected/created and dimensions and maximum possible steering angle entered

General headland and turn settings:

- Set the headland width (Settings > Headland)
- Headland spacing (start/end turn)
- Enter the turning radius or adjust it directly via the Implement Manager (drive the radius to the right/left)
- Set/enable boundary extension as required

AUTO mode settings:

1. Select driving pattern
   a. U-turn or K-turn
   b. Beet mode or Y-turn
2. Start at wayline
3. Pattern width (rhythm)
4. Select the direction of the first turn (left/right)
5. Set the cruise control to the optimum turning speed shown
6. Allow turns to be calculated
7. Setting turning mode to Automatic or Manual



In contour segment mode, a segment must be selected.
If calculations cannot be performed (shown in grey), headland widths or boundary extensions must be applied

To the How-to Videos

Automatic turning at the headland

1. Switch automatic/manual turning on/off
   (Manually, also via TI sequence)
2. (Re)calculate all turns
3. Preview of the entire field
4. Select the turning modes
5. Number of the starting lane
6. Pattern width (min. 5 - max. 15)
7. Minimum turning radius
   (The value is taken from the “Work implement settings” menu)
   Number of the starting lane
8. Number of calculated possible turns & the impossible turns
9. TI Auto buffer distance at the headland (tractor does not steer in this area)

To the How-to Videos

Automatic turning at the headland

10 First turn to the left/right

11 Resulting wayline sequence

12 Recommended maximum speed when turning. (The turn is aborted if the vehicle is travelling faster. The tractor then drives straight ahead)

13 Turn management (PRO settings)

14 The tractor and its implement may extend beyond the edge of the field whilst turning.

15 Headland alarm if no turning manoeuvre could be calculated for the active wayline

Leaders drive Fendt.