

QUICKSTART GUIDE— FENDT® TRACTORS WITH FENDTONE

FENDT

GROW BOLD.

ONE THING IS SIMPLE:
FENDTONE

The purpose of this guide is to quickly familiarize yourself with the tractor. It contains information on the basic characteristics and functions on how to operate the tractor. If more detailed information is required, please consult the user manual or contact your local sales partner.

This document does not replace the user manual or the initial instruction by competent personnel!

FENDT

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Create wayline, create contour segments 29

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Different color coding for the buttons.

- Engine & Transmission
- Hydraulics
- PTO
- Freely Assignable Buttons
- TeachIn *(Headland Management)* & ISOBUS

1. **Dashboard**
2. **12” Terminal***
3. **12” Roof Terminal***
4. **Drive Lever**
5. **Cross Gate Lever / 3L Joystick***
6. **Push Dial**
7. **Buttons**
8. **Fingertip Spool Valves**

**Depends on Selected Options*



HEADER

- Bluetooth®
- Media
- Phone
- Guide Setting
- Air Conditioning
- System Setup
- Work Profiles
- User Settings
- Manage Fields
- Main Menu

FOOTER

- Cruise Control Memory
- Preset Engine Speed Memories
- Accelerator Pedal Range
- Current Fuel Consumption
- ISOBUS UT
- Individual Operations Manager
- Screen is Active

FENDTONE—CABIN CONTROLS

Parking Brake & Reverser on Steering Column



LEVER IN MIDDLE POSITION

Automatic application of the parking brake, when the driver leaves the seat or the engine is shut off.

Automatic release of the parking brake, when the vehicle starts moving by driver command.



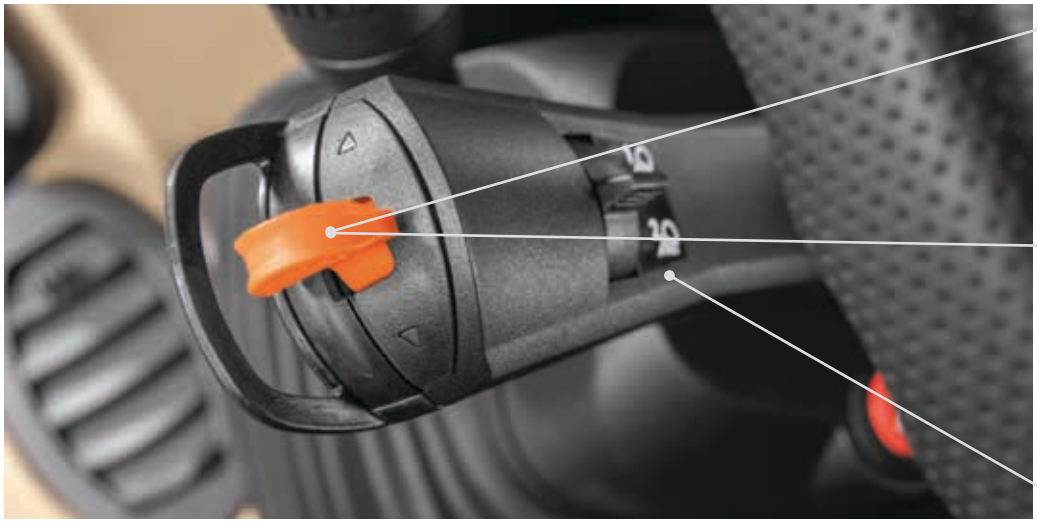
LEVER IN CLOSED POSITION

Parking brake engaged, no automatic release of the parking brake. Pull the circlip up and move the lever in this position to engage parking brake manually.



IMPLEMENT MODE

Push the lever forwards, until a message in the dashboard appears. Confirm this message and you can go off the seat for five seconds. Afterwards, parking brake engages. For more information, read the user manual!



Press and hold the F / R rocker IN direction of travel:

- Tractor decelerates to a standstill
- After releasing the rocker tractor moves off in the same direction of travel

Press and hold the F / R rocker AGAINST the direction of travel:

- Tractor decelerates to a standstill
- After releasing the rocker, the tractor moves off in the opposite direction of travel

Activation of the preset work light memories 1 or 2

FENDTONE—CABIN CONTROLS

Multifunction Switches

INDICATOR GENERAL INFORMATION

Lane change indicator:

Move against the pressure point for 3x indicator

Move over the pressure point for normal indicator

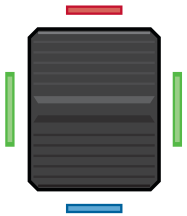



Front Windshield Wash & Wipe
(Pull Up)
Continuous Front Wiper
(Push Further Forward)
Side Window Wiper
(Press)
Interval Front Wiper
(Push Forward)
180
270
1x
Wiper Speed Interval Rate (1–4)
(Rotate)
Rear Window Wiper
(Push Down)
Rear Window Wiper Wash
(Push Further)
Wipe Once Front
(Pull Back Once)

DRIVE LEVER, CROSSGATE LEVER, 3 L JOYSTICK, PUSHDIAL



1. TeachIN *(Activation headland management sequences)*
2. Linear modules



Green: Color Valve
Red: Lock Valve
Blue: Functional Group Hydraulics

3. Guide activation
4. Freely assignable buttons
5. Safety button, press to change directions and select direction of travel
6. Acceleration ramps
7. Cross gate lever
8. Thumb joystick
9. 3 L joystick

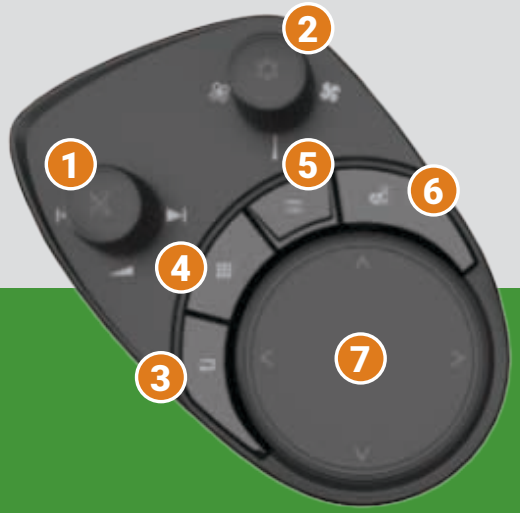


Pro Tip: The 3L rocker is used to switch the three operating levels. The functions 4, 7 & 8 can thus be assigned three times.



Pro Tip: Use button 4 on the 3L joystick to conveniently change the driving direction, e.g. when using the front loader.

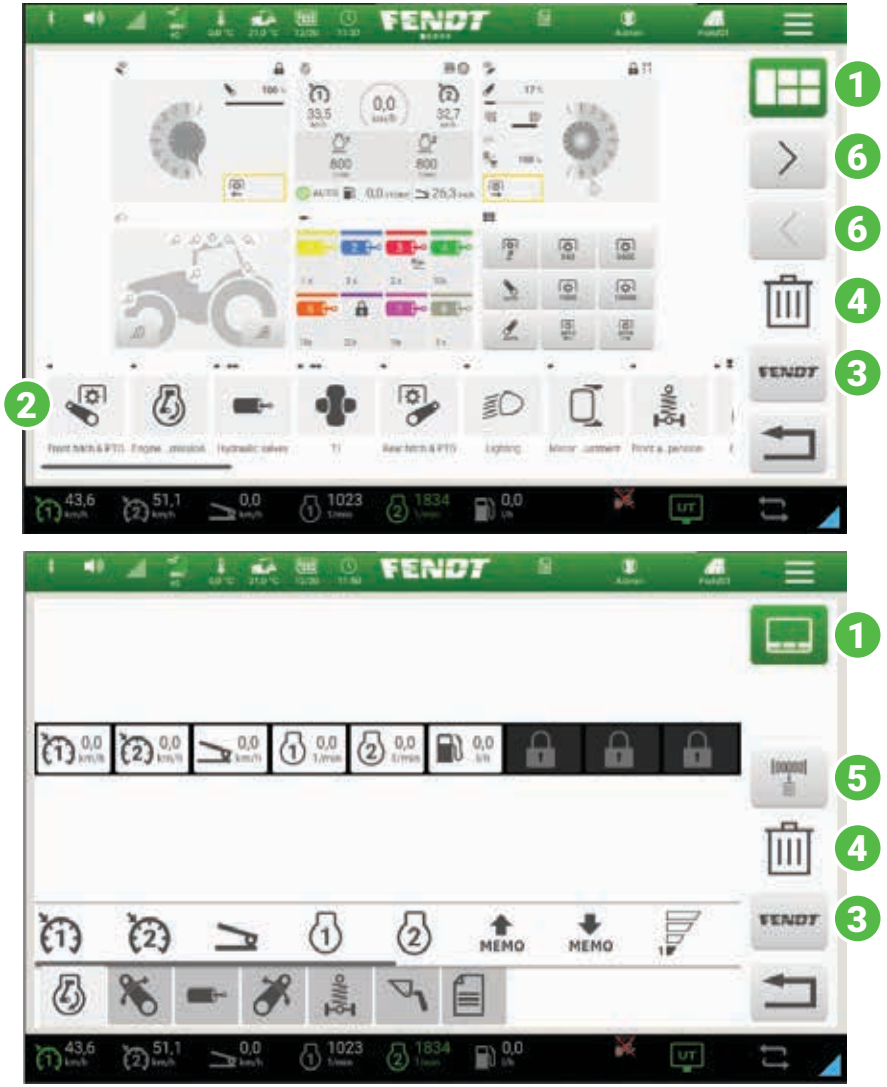
1. **Media control**
   Turn to change volume, push down to mute, push to the side to change title or channel
2. **AC control**
   Turn to change temperature, push down to activate auto mode, push to the side to change fan speed
3. **Return button**
   Press to return to the previous user interface
4. **Quick access to the tractor functions menu**
   For further Information on the tractor functions menu, go to page 13
5. **Quick access to the individual operation manager**
   For further Information on the individual operation menu, go to page 22
6. **Display change**
   Click the button to change the display you are operating in. A blue frame will appear around the selected display for several seconds
7. **Push dial**
   Push down, push in all four directions and turn to operate the preselected screen

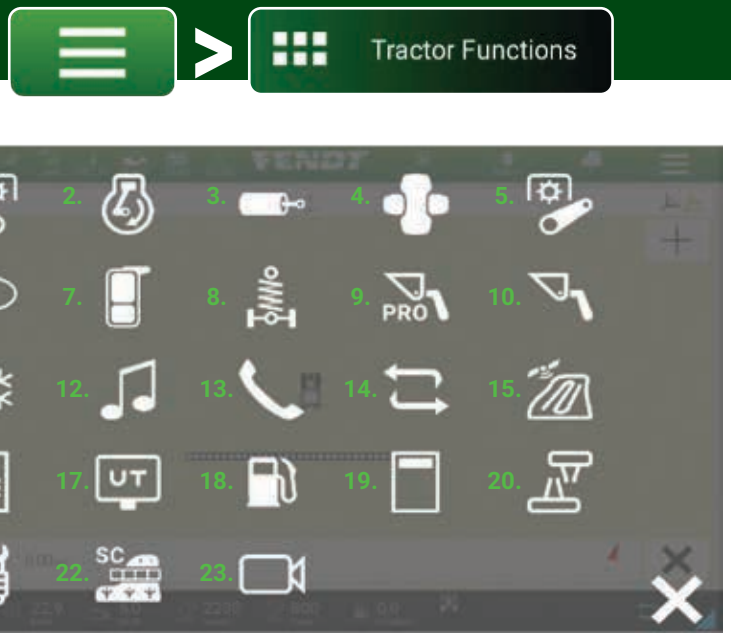


OVERVIEW MANAGER

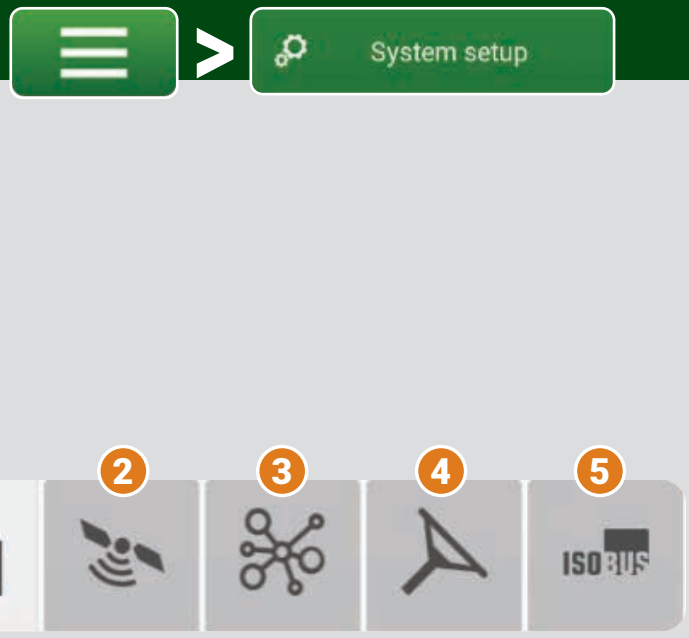


1. Change between editing the main tiles or the footer
2. Select functional group
3. Restore factory settings
4. Delete selected assignment
5. Delete all assignments
6. Change between different pages





1. Front linkage
2. Engine & transmission
3. Spool valves
4. TI
5. Rear linkage
6. Lightning
7. Mirror settings
8. Front axle suspension
9. Cargo Profi menu
10. Cargo menu
11. Air conditioning
12. Media *(Radio, Aux, Bluetooth)*
13. Phone
14. Individual operation manager
15. Fendt Guide
16. Fendt TaskDoc
17. ISOBUS
18. Fuel consumption
19. Counter
20. Implement manager
21. Service
22. SectionControl
23. Camera



1. **General:** Time, time format, units
2. **Guidance:** Type of signal, fallback, RTK-activation
3. **Connectivity:** Data transfer *(USB/Internet)*, mobile communications
4. **Steering:** Steering behavior and aggressiveness *(Guidance)*, VarioActive steering, auto offset *(e.g. when plowing)*
5. **ISOBUS:** ISOBUS settings, tasks, section control

ENGINE AND TRANSMISSION

1 Adjust cruise control
By turning the scroll wheel you change the preset cruise control speed.

2 Driving range I/II
I for field work, II for driving at high speeds on the road *(on tractors 200/300 series and with VarioDrive, the button is replaced by a freely assignable one)*.

3 Neutral
Transmission becomes depressurized, tractor coasts without active standstill. Hydrostats pivot to neutral position.

4 Driving Modes

TMS acceleration pedal



Drive lever: *Decelerate (optional)*
Pedal: Driving speed (TMS)

TMS drive Lever



Drive lever: Driving Speed
Pedal: *Engine Speed (optional)*

Manual



Drive lever: Transmission ratio
Pedal: Engine speed

5 Cruise control
Two cruise controls available. Cruise control can be set in the engine & transmission menu or by long pressing a cruise control button. The set speed is displayed in the dashboard and in the terminal. The set speed can be adjusted by turning the scroll wheel *(1)*. Activated by pushing the drive lever to the right.

6 Engine speed memory
Two speed memories available. The engine speed memories can be set via the engine and transmission menu. Long pressing a memory button will save the current engine speed. Can be activated manually or integrated into a TeachIN sequence *(headland management)*.

7 8 Differential lock *(- auto mode)*
Automatic activates differential lock depending on steering angle and driving speed.

9 10 All wheel drive *(- auto mode)*
Automatic activates all-wheel drive depending on steering angle and driving speed *(on tractors with VarioDrive, the buttons are replaced by two freely assignable ones)*.

11 Hand throttle

12 Accelerator pedal resolution
Limits the maximum speed of the accelerator pedal. Really helpful when hooking up implements or with a grain cart when loading trucks.

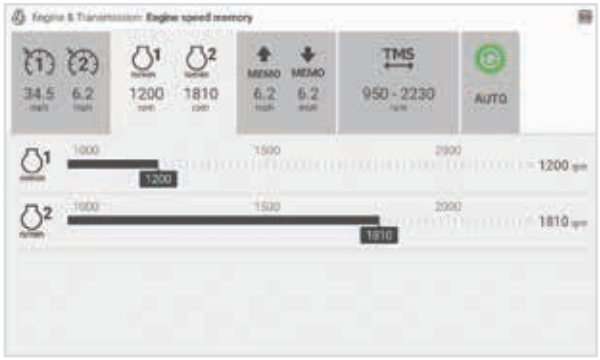


Pro Tip: Without preselected cruise control you can freeze the current speed by pushing the drive lever to the right. Afterwards the speed can be adjusted by turning the cruise control wheel.

ENGINE AND TRANSMISSION SETTINGS



Cruise control
The two cruise control speeds can be set by moving the slider either via touchscreen or the push dial button.



Engine speed memory
The two engine speed memories can be set by moving the slider either with your finger or the push dial button.



MEMO
Memo- speeds for manual or drive lever mode. When activated the tractor will automatically set the speed to the predefined memo after changing direction.

Pro Tip: The acceleration of the first ramp can be set individually between 65 ft. and 0.3 mph.



TMS engine band

Different triggers set the engine speed to a certain predefined rpm range.

1. Driving
2. Actuation of a hydraulic valve
3. PTO active
4. Operating front or rear linkage
5. Switching on the PTO from outside



Engine speed memory

The two engine speed memories can be set by moving the slider either with your finger or the push dial button.



Pro Tip: The automatic mode for load limit control is the right choice in almost all driving situations, only for special work the manual mode can be advantageous.

LINKAGE AND PTO



1 **Front PTO**
Double-tap to activate when tractor is standing to avoid switching off when leaving the seat, activate stationary mode in the front linkage menu.

2 **Rear PTO**
Double-tap to activate when tractor is standing to avoid switching off when leaving the seat, activate stationary mode in the rear linkage menu.

1 **Front linkage wheel**
Fine-tune the height of the front linkage, e.g. for attaching implements.

2 **Front linkage linear module**
Adjust the height of the front linkage. Rapid lifting or relief by pressing through the dead center *(floating position)*.

3 **Rear linkage linear module**
Adjust the height of the rear linkage. Quick lifting by pressing over the top dead center. Unload or move to one of the two working heights, depending on the activation of the button 8 float position mode or 9 EPC Mode

4 **Rear linkage wheel**
Fine- tune the height of the rear linkage, e.g. for attaching implements. If the wheel is turned in combination with the button 5, the set point of the working depth is adjusted together with the rear linkage.

5 **Working depth button**
On the right, below the armrest, there is a button that can be used to move the target value of the working depth at the touch of a button. If the button is pressed while the rear linkage is adjusted with the wheel, the set point of the working depth is changed.

6 **Mini display front and rear linkage**
The current status of the linkage is displayed, e.g. up and down movements, floating position.

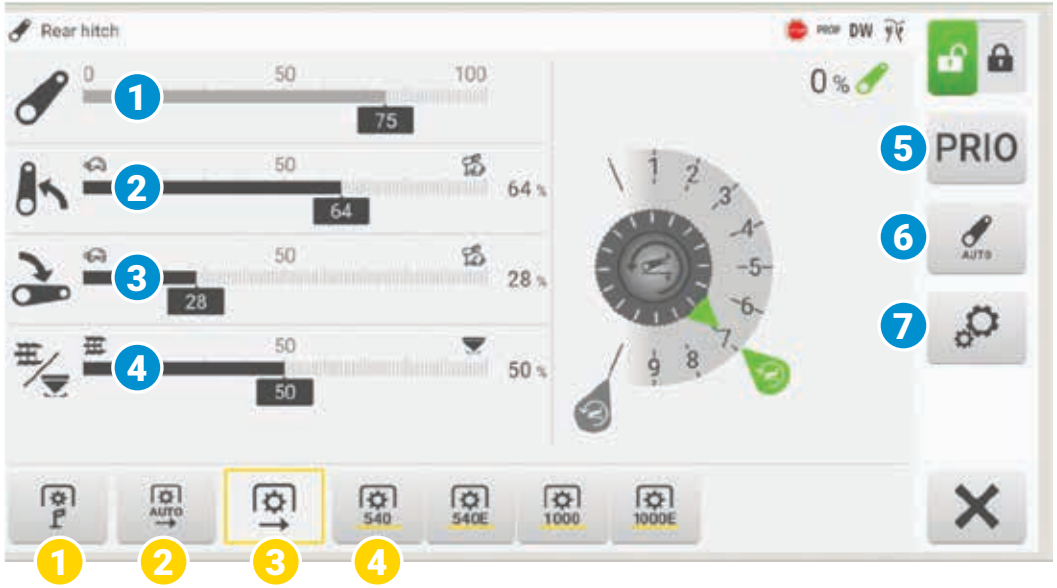
7 **Lock front and rear linkage**
Must be unlocked every time the tractor starts before front and rear link can be used.

8 **Float position mode**
Single acting, e.g. when only floating position is required or to attach implements.

9 **EPC mode**
Lifting height and depth can be limited, two memo positions, full linkage functionalities. Press once to store the working depth.

FRONT / REAR LINKAGE SETTINGS





1. **Working depth**
2. **Lifting speed**
   From 0% *(slow)* and 100% *(fast)*. Adjust via touchscreen or pushdial
3. **Lowering speed**
   From 0% *(slow)* and 100% *(fast)*. Adjust via touchscreen or pushdial
4. **Draft-/ position control**
   0% pure draft control
   100% pure position control
5. **Priority Function**
   When active: If there is not enough hydraulic oil flow height will be adjusted prior to other hydraulic functions
6. **Linkage automatic function (GO&End)**
   When activated lifting and lowering the linkage can be done with the go and end buttons *(p.10, button 1)*
7. **Submenu**
   Activate two working positions
   Activate Dual Acting linkage *(if the tractor is equipped with that option)*

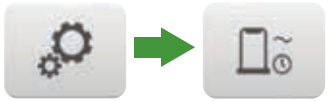
1. **Stationary mode**
   PTO won't turn off if the operator leaves the driver seat
2. **PTO automatic function *(GO&END)***
   When activated starting and stopping the PTO can be done by the go and end buttons *(p.10, button 1)*
3. **PTO active/ inactive**
4. **PTO speed select**
   Select between the different PTO speeds, only possible speeds are displayed

Pro Tip: The trigger position to activate or deactivate the PTO in automatic mode can be adjusted within the submenu 7.

VALVES



1 Linear Modules
Any valve can be operated in both directions *(+/-)*. The color of the corresponding control unit is displayed in the mini display **2**. By pushing the linear modules through the lower or upper dead center, either the time function or float of the spool valve can be activated. To set the dead center function in the hydraulics menu, click



2 Mini displays



Green: Color Valve
Red: Valve is Locked
Blue: Valve is Unlocked

3 Lock/unlock single spool valve
Alternatively, valves can be locked within the hydraulics menu

4 Lock/unlock all spool valves

MODE	OVERPRESS –	PROPORTIONAL –	NEUTRAL	PROPORTIONAL +	OVERPRESS +
	Float Mode	Time Function –	/	Time Function +	No Function
	Time Function	Proportional –	/	Proportional +	Time Function +
	Float Mode	Proportional –	/	Proportional +	Time Function +



1 Valve name
Valves can be renamed individually

2 Ramp up control
Valves can go directly to full flow or slowly

3 Priority function
When active, the oil supply of the selected valve will be prioritized

4 Lock/unlock hydraulic valve
Similar to p.18, button 7

5 Adjust flow rate
Flow rate for both sides of the valve *(+/-)* can be adjusted in gallons per minute

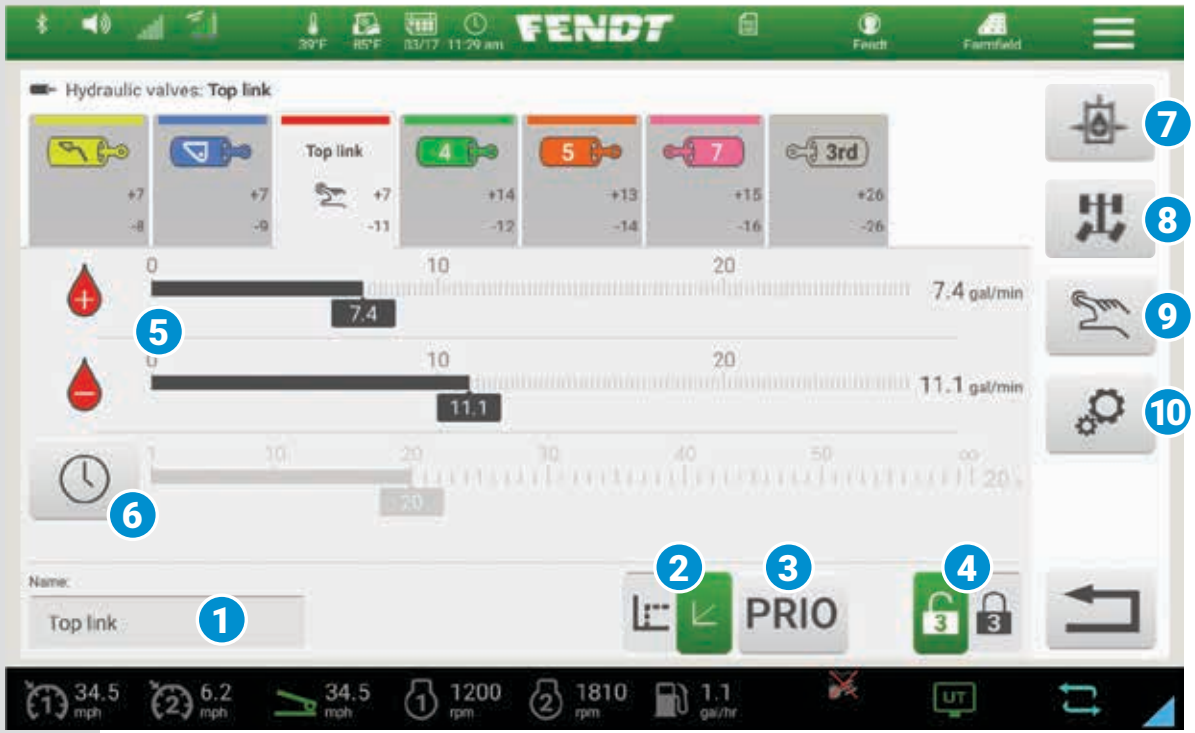
6 Activate/deactivate time function
Activate by pressing the button. When activated, the time can be adjusted from 0s to continuous flow ∞s

7 Power beyond pressure setting
Not available for all series

8 Automatic steering axle
Select valve for steering axle

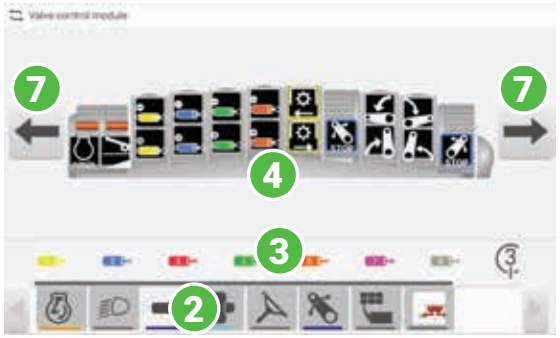
9 Selection of external valve operation
Select which valve you want to operate from the rear fender *(outside)* of your tractor

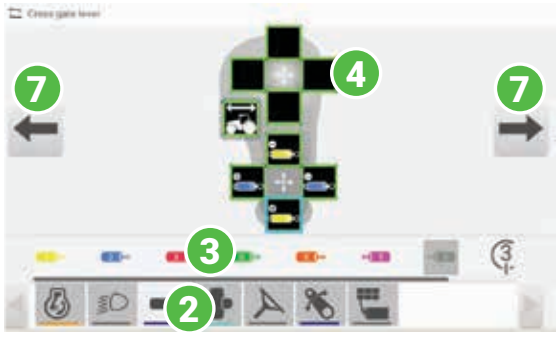
10 Extended hydraulic setting



INDIVIDUAL OPERATIONS MANAGER







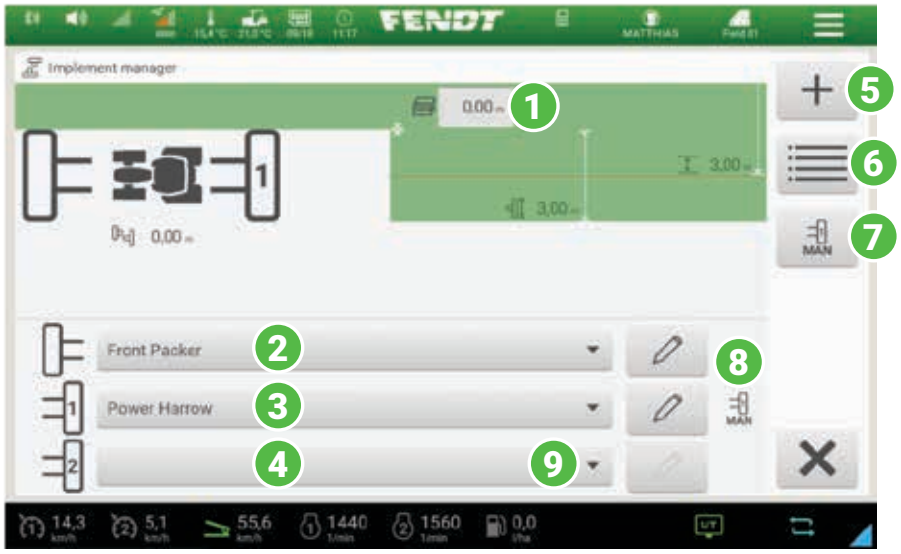


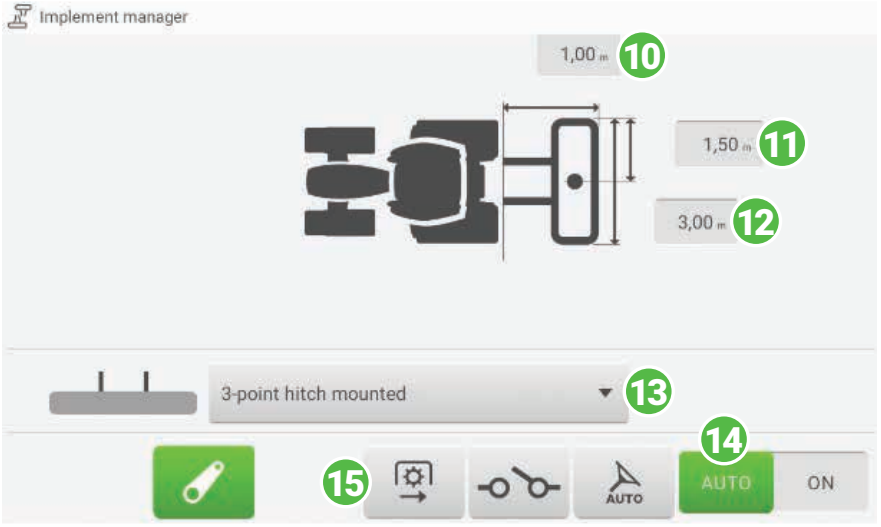
1. Unlock / Lock
2. Select functional group
3. Select function within the submenu
4. Possible assignment locations are highlighted with a green box. First click on the desired function and then the assignment location **OR** assign the function via ‘drag and drop’
5. Restore factory settings
6. Delete selected assignment
7. Change between multifunction joystick, valve control module, cross gate lever and individual key module

IMPLEMENT MANAGER

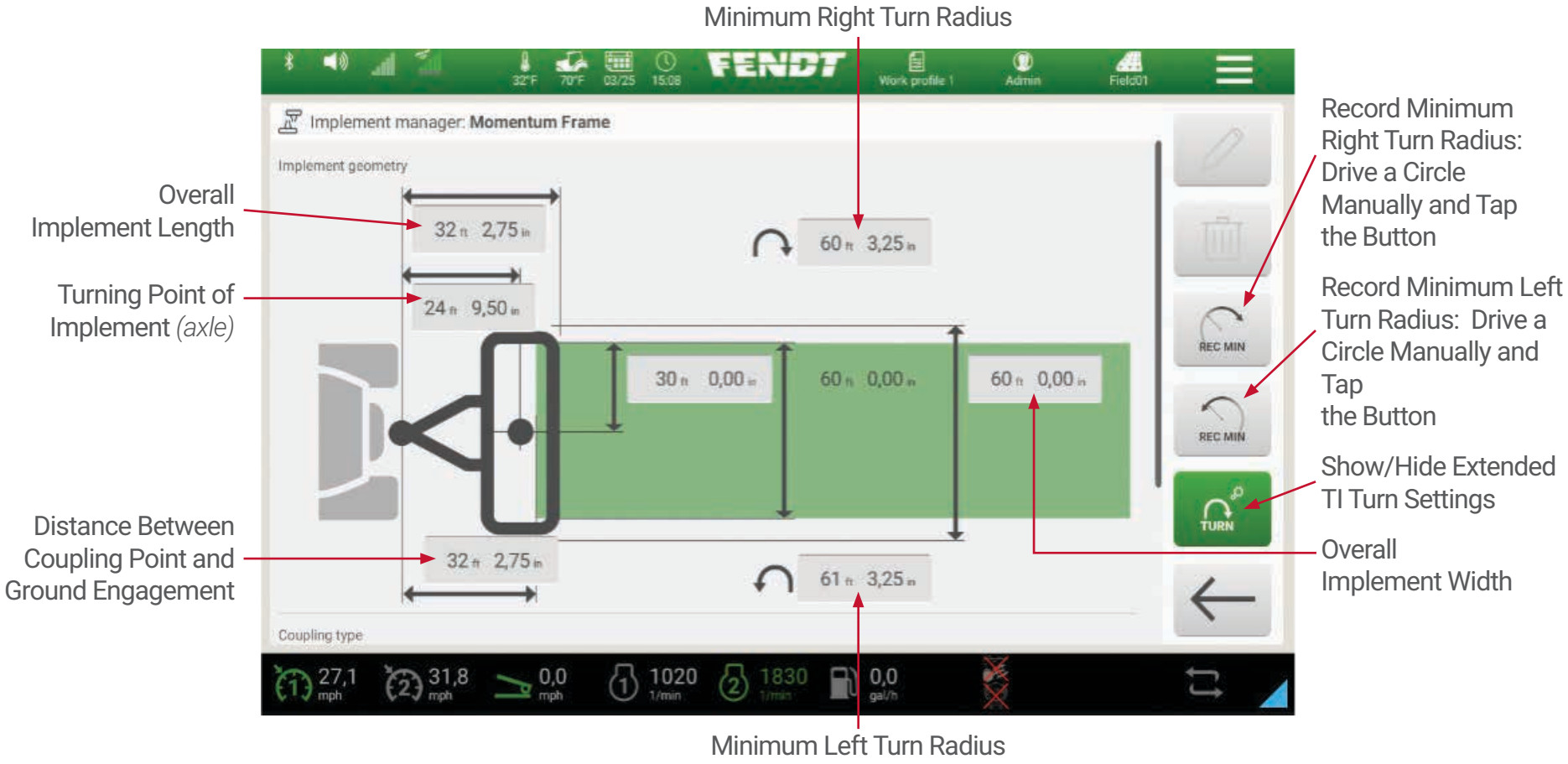


1. Overlap
2. Front implement
3. Rear implement 1
4. Rear implement 2
5. Create new implement
6. Show all implements
7. Select navigation point
   - Automatic
   - Front implement
   - Rear implement 1/2
   - Tractor
8. Edit active implement
9. **Select implement within the dropdown menu**
10. Coupling length
11. Center distance
12. Working width
13. Type of mounting
14. Release function for AUTO/ON marking of guidance system
15. Trigger for AUTO record





ADVANCED PAGE IMPLEMENT MANAGER TI TURN

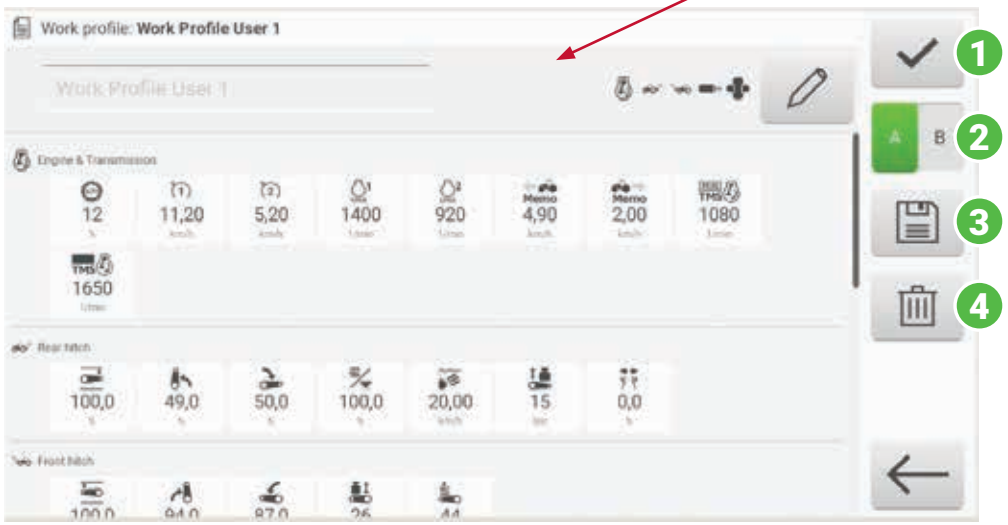


Note:

- If you use an ISOBUS device, some values are taken over from it. Some of these cannot then be edited.
- The minimum turn radius you can enter is in accordance with vehicle specifications. Implement settings may increase this value.

PROFILES







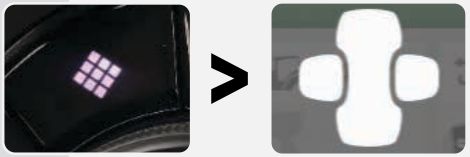
1. **Load work profile**
2. **Memory for dividing profile in A / B**
   For creating field and road mode or two different field modes, needs to be created within the profile creation
3. **Save work profile**
4. **Delete work profile**

Includes settings for:

- Implement *(Implement manager)*
- Cruise control & speed memory *(engine & transmission)*
- Front and rear linkage
- TeachIn/IOM Programming
- Fendt Guide/SC
- Configured HomeScreen/ Overviews

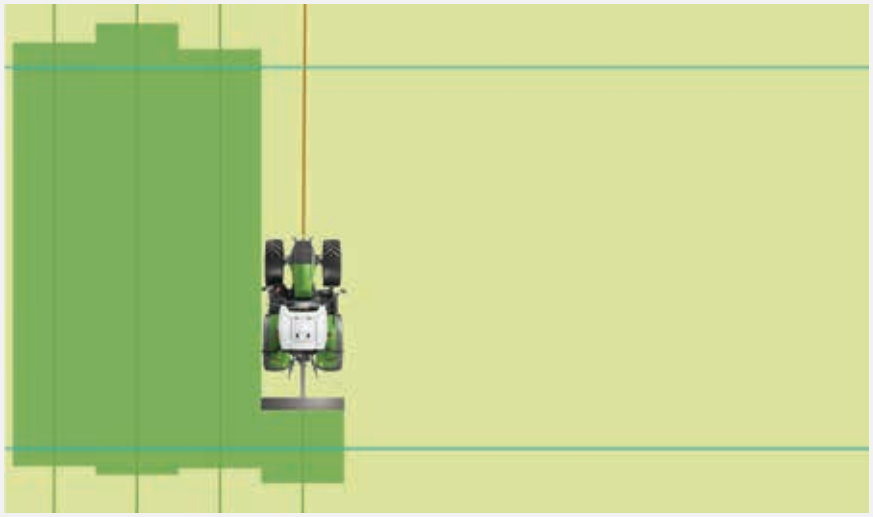
1. User role *(not adjustable)*
2. Language
3. Windscreen wiper
4. Day/night mode terminal displays
5. Brightness main menu
6. Secondary display ON/OFF
7. Brightness secondary display
8. Brightness of terminal displays and dashboard backlight
9. Day/night mode Dashboard
10. Dashboard brightness
11. Signal volume
12. Overview switch

CREATE TI SEQUENCE

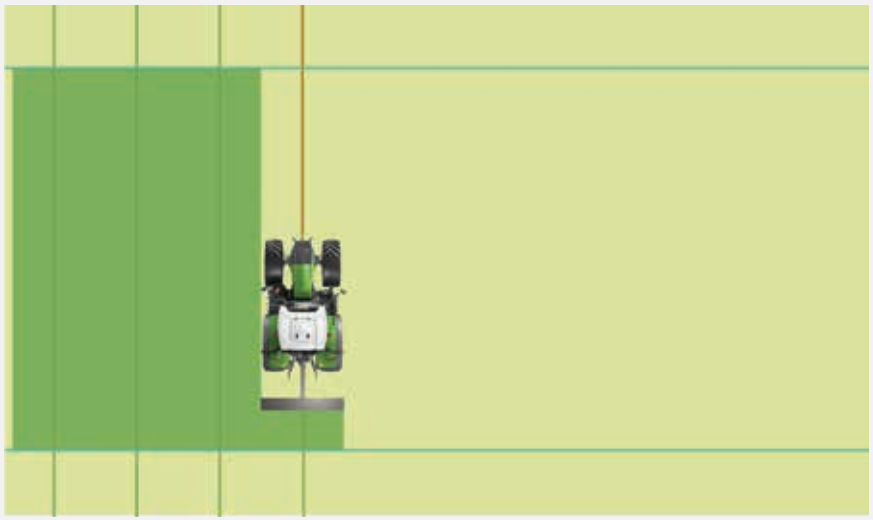


1. Unlock sequences
2. Select the sequence *(1-4)* you want to edit
3. Start editing manual
4. Select operating direction
5. Select trigger
6. Trigger settings
7. Select function
   - Engine
   - Valves
   - Steering
   - Linkage / PTO
   - Vario Grip
8. Record sequence while operating
9. Play sequence


FENDT
TI: Sequenz 1
Sequenz 1
3
8
9
50,8
4,3
55,6
1250
1260
0,0




FENDT
TI: Sequence 1
4
5
6
6,0
0
10
20
30
40
50
6,0 m
4
5
7
54,8
55,6
1830
1830
0,0



FENDT GUIDE



Activate SC

SC Menu

TI Auto Menu

Street / Field Mode

Change Wayline

Turn Assistant

Map Sync Button

Guide Menu



Show / Hide Options

Create New Field

Create Boundary

Create Wayline

Create Obstacle

Shift Wayline

Back

Guide Settings

Field Settings

- Delete Worked Area
- Select Color of Worked Area, Set Tramline Marking

Steering Settings

- Steering Sensitivity
- Wayline Catchup
- Preactivation of Vario-Active Steering

Headland Settings

- Headland Widths *(in m/ tracks)*
- Select TI Functions to Automate
- Entry Offset TI Auto
- Exist Offset TI Auto
- Headland Alarm

CREATE WAYLINE AB LINE

1. Create New Wayline 
2. Select Wayline Type *(AB Line)*
3. Set Point A 

Drive at least 30ft or 10m

4. Set Point B 

CREATE CONTOUR SEGMENTS

1. Create New Wayline 
2. Select Contour Segment Mode
3. Select Record
4. Drive Along Your Field Boundary and Add as Many Segments as Needed

5. Confirm Wayline / Segments

Delete , save and use  or just save  the wayline. To change the name click into the wayline name area, the keyboard will pop up. You can change the field that the wayline belongs to by selecting another field within the dropdown menu.

Pro Tip: You can create contour segments from an existing boundary.
Select “create from boundary” and then set a number of how many segments you want to create.

CREATE FIELD AND BOUNDARY

1. **Create a New Field**
2. **Enter Fieldname**
3. **Create Field Boundary**
4. **Select Boundary Creation Method and Confirm**

   The pop-up will give you the possibility to either record the boundary to one side of your implement or tractor, calculate the boundary based on the recorded worked area, create contour segments to create the boundary or delete a previously recorded boundary. Confirm method with the green tick.

5. **Choose Recording Side**
6. **Start Recording**
7. **Pause or Stop Recording**

   When you pause the recording, Fendt Guide will create a straight line between the point you paused and the point you restart the recording.

8. **Confirm Recorded Boundary**

   After stopping the recording, a pop-up will show up, where you can confirm the boundary as well as change the name.

5. **Choose Create from Segments**

   With this option you can create the boundary from existing contour segments.





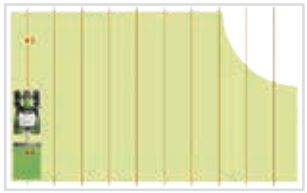


Pro Tip: You can record way lines and field boundaries at the same time

FENDT GUIDE

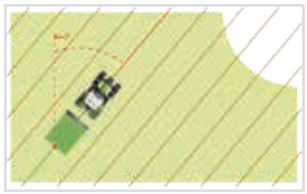
AB Line

Straight line defined by two points, duplicated



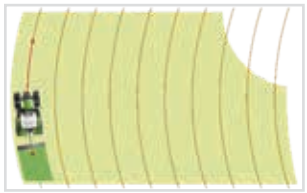
A+ Angle

Straight line defined by angle, duplicated



Curve

Recorded curve, duplicated



Pivot

Defined by two points and the curve in between



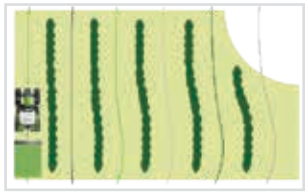
Adaptive Curve

Manual creation or automatic creation based on the field boundary



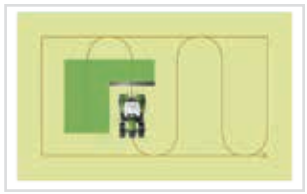
Single Contour Segments

Several individual single tracks without duplication



Single Contour

Curve defined by the track driven before



Contour Segments

Track with a free contour

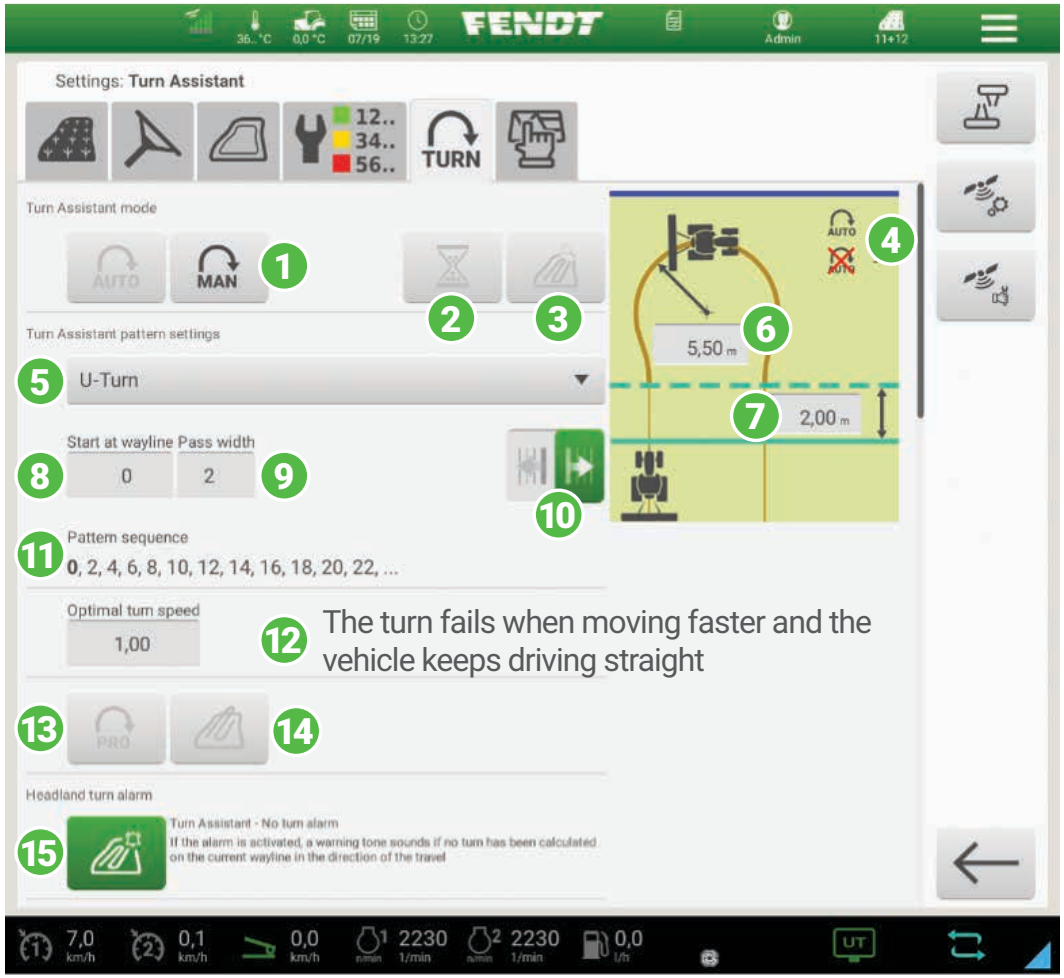


Coverage Guidance

Track defined by already worked areas



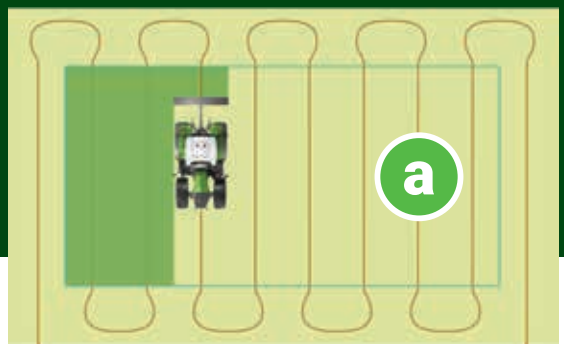
TURN ASSISTANT

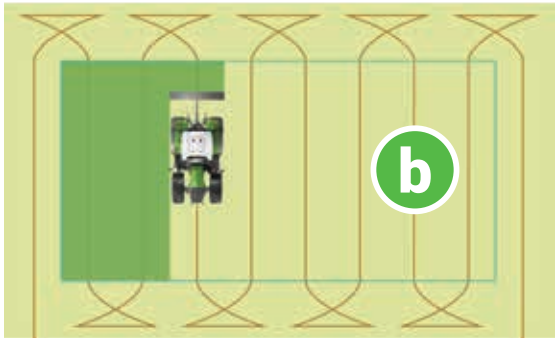


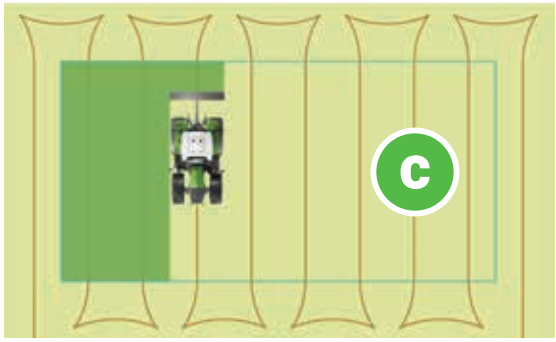
12 The turn fails when moving faster and the vehicle keeps driving straight

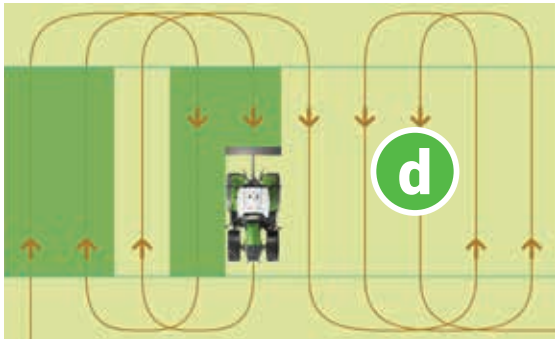
1. Switch Automatic Start on/off
2. *(Re-)*calculate all turns
3. Full field turn preview
4. Number of calculated turns that work or fail
5. Turn pattern selection
6. Minimum turn radius *(value from implement settings menu)*
7. TI auto buffer distance *(vehicle is not steering within this area)*
8. Starting wayline number
9. Pattern width ➡ to skip passes for faster turns
10. Pattern direction left or right
11. Resulting pattern sequence
12. Recommended maximum turning speed
13. Turn management *(PRO settings)*
14. Allow tractor and implement to go beyond boundary during turn
15. Headland turn alarm

1. Make sure to have two TI sequences. One to start and one to stop the work *(p. 26)*. Within the implement settings you need to define the minimum turning radius for your implement *(p. 24)*
2. Choose between four pattern modes
   - a U-Turn
   - b K-Turn
   - c Y-Turn
   - d Pattern mode
3. Select the start path, therefore click into the start path field and either use the current path or change it to the right one
4. Select the pattern width
5. Choose the direction of the first turn
6. Change the cruise control for the headland speed to the optimum turn speed
7. Calculate the turns
8. Set mode to auto









NOTES



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