



EN

QUICK START GUIDE

Q SERIES



VALTRA

YOUR WORKING MACHINE

Q SERIES THINKS LIKE A PRO. WORKS LIKE A BEAST.

This guide has been assembled to help Valtra operators to quickly become familiar with their tractor. Please note that this is not an operator's manual. Before operating the tractor, it is important that you read the operator's manual with all safety points.

EACH PAGE HAS A QR CODE THAT LINKS TO A VIDEO THAT DEMONSTRATES HOW TO CHANGE THE SETTINGS.



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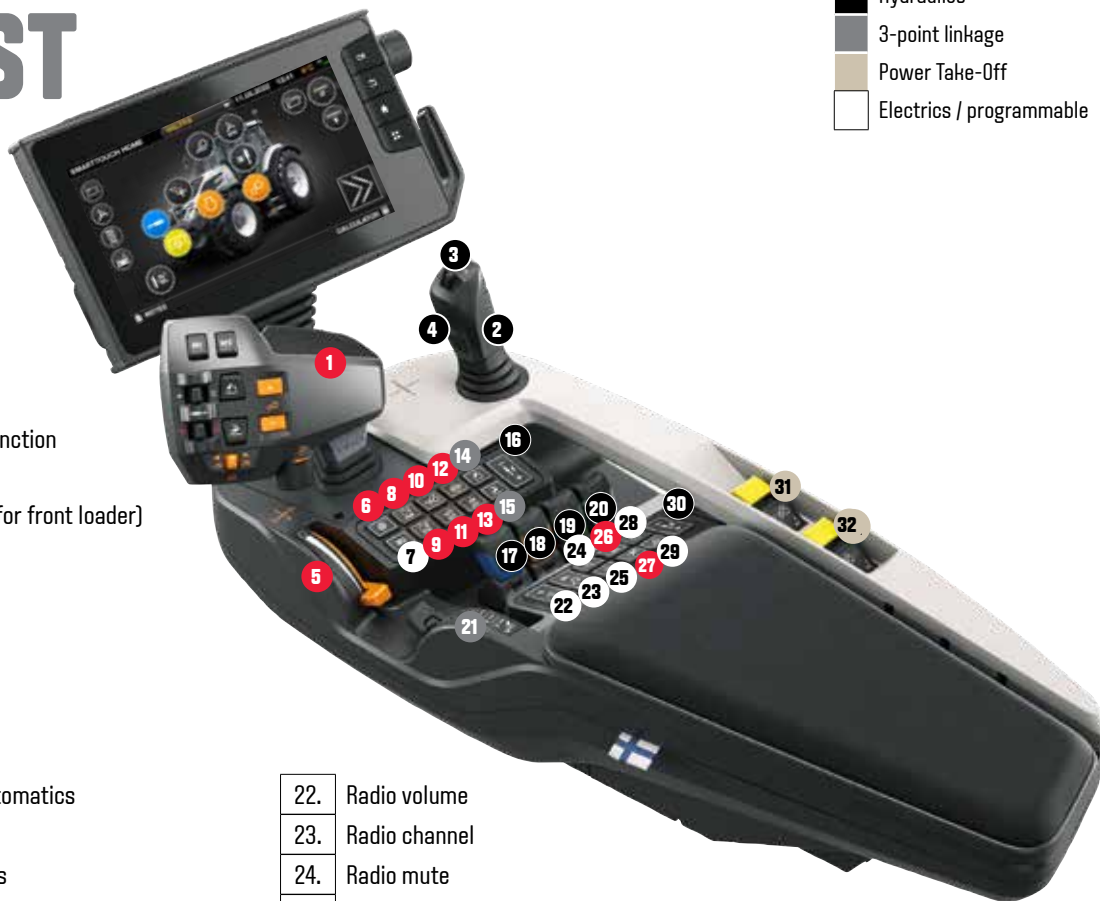


MACHINE

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SMARTTOUCH ARMREST

- Driving / transmission
- Hydraulics
- 3-point linkage
- Power Take-Off
- Electrics / programmable



- 1. Drive lever
- 2. Hydraulic joystick
- 3. Programmable hydraulic function
e.g. live 3rd valve in loader
- 4. Selecto 3rd and 4th valve (for front loader)
- 5. Hand throttle control
- 6. Automatic/ Manual mode
- 7. Memory button 3
- 8. Engine RPM memory 1
- 9. Engine RPM memory 2
- 10. Four-wheel drive (4WD)
- 11. Four-wheel drive (4WD) automatics
- 12. Differential lock
- 13. Differential lock automatics
- 14. Rear linkage lifting, when attaching an implement
- 15. Rear linkage lowering, when attaching an implement
- 16. ON/OFF Valve A
- 17. Blue control lever for auxiliary hydraulics
- 18. Brown control lever for auxiliary hydraulics
- 19. Green control lever for auxiliary hydraulics
- 20. White control lever for auxiliary hydraulics
- 21. Rear linkage depth control with latching settings

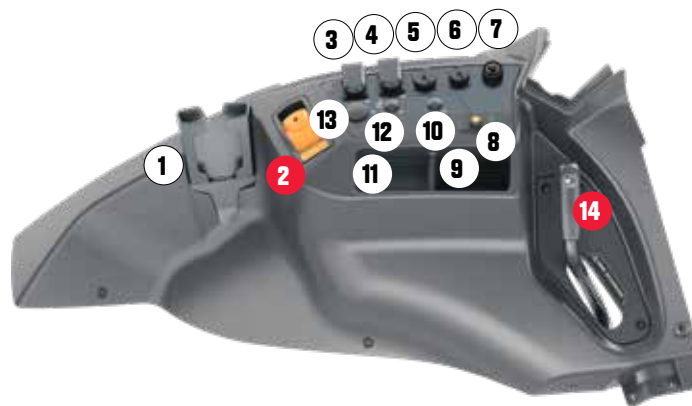
- 22. Radio volume
- 23. Radio channel
- 24. Radio mute
- 25. Rotary beacon
- 26. Valtra Guide engage
- 27. QuickSteer engage
- 28. Master activation (hydraulics, programmable buttons, Valtra Guide)
- 29. Working lights main switch
- 30. ON/OFF Valve B (e.g. pick-up hitch push back function)
- 31. Switch for front PTO (when front PTO is not included: switch for rear PTO)
- 32. Switch for rear PTO (when front PTO is not included: no switch)

DRIVE LEVER



1.	Memory button 1
2.	Memory button 2
3.	Road speed range (B, +)
4.	Field speed range (A, -)
5.	Rear lift (AutoControl): Lift / Stop / Lower / Float switch
6.	Hydraulics fingertip lever 1
7.	Hydraulics fingertip lever 2
8.	Power shuttle switch
9.	Max. speed / cruise adjustment

SIDE PANEL

















1.	Phone holder
2.	Emergency brake
3.	3-pin current socket
4.	3-pin current socket (optional)
5.	SmartTouch Extend connector (optional)
6.	ISOBUS terminal connector (optional)
7.	Implement signal connector
8.	Button for fuel-operated heater (optional)
9.	Double USB port (quick charge) (optional)
10.	2-pin current socket
11.	Power switch for 2-pin current socket
12.	2-pin current socket (controlled with power switch)
13.	Power outlet
14.	Trailer hitch release lever (optional)

SETTINGS SCREEN SYMBOLS












Access to all tractor functions with less than three taps or swipes in the touch screen.



Front

- | | | | |
|------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|------------------------|
|  | Terminal settings |  | Engine |
|  | Steering |  | Lights |
|  | Suspension |  | Armrest and Isobus AUX |
|  | Hydraulics |  | Transmission |
|  | Front power take-off |  | TaskDoc |
|  | Front loader |  | Valtra Guide |
| | |  | Audio & Phone control |
| | |  | Go to rear screen |

Back

- | | | | |
|-------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------|---------------------------|
|  | Tractor health |  | Implement settings |
|  | Camera |  | ISOBUS universal terminal |
|  | Hydraulics |  | ISOBUS settings |
|  | Rear power take-off |  | Go to front screen |
|  | Rear linkage |  | Notes |
| | |  | Calculator |

SMART A-PILLAR DISPLAY

Valtra smart A-pillar display brings all the information you need to exactly where you need it. With the essential information always displayed up top in a clear and easy way you'll never be left searching for what you need to know. The lower drive displays can be configured to show exactly what you want to see.




THE DISPLAY CONSISTS OF SEVERAL DISPLAY TECHNOLOGIES FOR SHOWING TRACTOR'S STATE AND CONTROLLING ITS BEHAVIOR.

1. The uppermost area is a LCD Screen showing: Outside temperature, clock time, Engine RPM, Ground Speed, Fuel & AdBlue level and Engine temperature.
2. Then there are two LED Icon Matrix Contents, upper one showing information marking lights and another one in the bottom of the instrument, showing warning lights.
3. Between them is a large TFT (thin-film-transistor) screen, which can be configured in many ways as well as used for tractor settings.

DISPLAY SETUP

The user interface has three sections: settings, driving display and work display. You can move between these sections with the home and drive display buttons.

1. Double tap on the Button 
2. Now you are in the drive display.

Display functions

1. Display mode
2. OK
3. Back
4. Home
5. Drive display
6. Control wheel
7. USB and ethernet connector



1 Drive display



Settings



VALTRA EXPERT TIP



The drive display is perfect for road transport as in one view the current speed and set cruise control speed are shown.



WORK DISPLAY



Scan me!

1. Access the drive display from the  button on the terminal.
2. This shows one large or four small displays according your selection. Swipe any of the displays left or right to view different drive displays.
3. Widen one of the four drive displays by double tapping it or tapping it once and then tapping the icon.
4. You can go directly to the corresponding settings from any of the work displays by pressing the  symbol.



VALTRA EXPERT TIP

Work display is there for you. You can see the most in one view! And it is easy to modify!

You double tap and select the individual information screen to be there to follow to optimize your task.

RADIO AND PHONE CONTROL

1. Activate Bluetooth-function on the smartphone.
2. Search in the smartphone for Bluetooth devices.
3. Input the pairing-code [1234] to connect both devices.
4. Use the SRC button to activate Bluetooth mode.



VALTRA EXPERT TIP

It is possible to operate these functions from the SmartTouch terminal as well as from the SmartTouch armrest.



CREATE NEW PROFILE

1. Enter the profile settings from any terminal menu by tapping on the top bar.
2. VALTRA is set as the default profile and cannot be deleted or changed. Use the + button to create a new profile.
3. Rename the new profile and modify the settings.
4. Tick the box in front of the new profile's name and activate the profile.
5. Modify the settings, which are saved to the profile in use.



VALTRA EXPERT TIP

Create as many profiles as needed. There is no limit! Profiles can also be copied to other machines via USB memory Stick.




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me!



DRIVING MODES

AUTOMATIC MODE


When you start the tractor the automatic driving mode is automatically selected. There are two main ways of driving:

- Pedal driving (no symbol on displays)
- Lever driving (symbol  on displays)


You can control the driving speed with the drive pedal or the drive lever. The transmission ratio is controlled automatically.



DRIVING WITH DRIVE LEVER

When controlling speed with the lever, the symbol  shows on the A-pillar display. Start driving: When direction has been selected, the tractor doesn't move. To move push lever forward. Whenever you use the lever, you are in lever driving. To go back to pedal control, tap the drive lever left. Small movement of the lever changes the speed precisely. Longer movement changes the speed faster. Drive lever speed is visible in the driving display.

MANUAL MODE

Manual mode can be selected with push button  on armrest. When the manual mode is engaged, the symbol M for the manual driving mode shows on the A-pillar display and the SmartTouch display.

Start driving: When the direction has been selected, the tractor doesn't move. To move choose transmission ratio with the lever.

Control the engine speed with the drive pedal or the hand throttle. If you changed to Manual while tractor is moving, the transmission ratio used will be maintained until you change it. You can also store a certain transmission ratio into memory by keeping the drive lever right 1 second. So instead of speed cruise, there is a transmission ratio memory. Tapping driver lever left recalls ratio zero.



RANGE CHANGE

1. Push the button **+** to shift from A to B.

2. Push the button **-** to shift from B to A.



VALTRA EXPERT TIP

Change the ranges only when there is no load on the transmission - and never when driving uphill or downhill!

Use always range A for field work – and use range B for higher speed transport .

Anyhow you can start to drive with range B – even with heavy trailer - already from field. No need to start to pull with A.



CRUISE CONTROL

1. Push the drive lever to the right to engage cruise, hold for 2 seconds to store the new speed.
2. When cruise control is activated the cruise speed can easily be adjusted via the thumb wheel located on the drive lever.
3. Re-active cruise speed by quickly pushing the drive lever to the right.
4. The cruise deactivates:
 - by pressing brake pedals
 - pushing the drive lever left
 - Starting to use the drive leverAfter deactivating speed is controlled by either the drive pedal or lever.

ACTIVATION



DEACTIVATION



ADJUSTMENT





VALTRA EXPERT TIP

Together with the memory buttons M1, M2 and M3 it is possible to save up to four different cruise speeds at once.

NOTE: When driving in manual mode, there works, instead of speed cruise, a Transmission Ratio memory.

SCALING THE DRIVE PEDAL

1. Go to the Transmission page 
2. Choose the scaling icon (max speed) 
3. Scale the range to the maximum speed required.
4. The full range of the pedal is now available to drive at the selected speed.



Example Max. 8.5kpm



VALTRA EXPERT TIP



When undertaking precise work where the machine needs to be controlled with the pedal at slow speeds, it is handy to scale the maximum speed of the pedal so its entire range can be used.

Max. 28kpm



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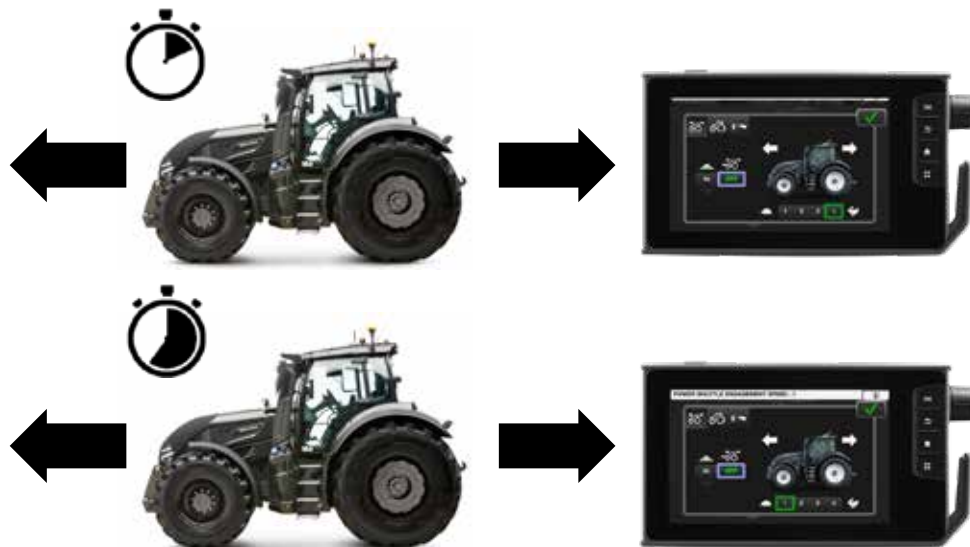
ADJUSTING THE DRIVING DIRECTION CHANGE

1. Go to the transmission page 
2. Select the “wrench” icon (further settings) 
3. Adjust the Driving direction change.
4. Use the adjustment scale to select the speed rate number between 1 (very slow and smooth) to 4 (very fast).



VALTRA EXPERT TIP

Start to adjust your setting from one end to the other. Start from 1 and go way up to 5 and select the right speed for your purpose. It deepens on the work you do and which load you are moving.



ENGINE SPEED MEMORY

1. Go to the engine screen via the engine button.
2. From here, preset Memo 1 and 2. Change the value by selecting the appropriate memory and sliding it to the correct position or use the encoder wheel.
3. Alternatively, set the engine speed cruise directly to the speed currently in use by pressing the engine speed memory buttons 1 or 2 for 3 seconds.
4. Push the engine RPM cruise control to engage and disengage the RPM memory function.



VALTRA EXPERT TIP

Engine speed memory is also available via the headland management. This memory function reduces unnecessarily high rpm at the headland.



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ENGINE BRAKE ADJUSTMENT

1. There are 5 different options for adjusting engine braking.
2. **1** is the lowest level of engine braking, where the tractor is close to free rolling when the drive pedal is released.
3. **5** is the highest level of engine braking where the tractor stops quickly after releasing the pedal.



VALTRA EXPERT TIP

For road transport on even terrain use engine brake position 1 for the smoothest and easiest ride. On the road, let the machine roll to the traffic light and use the foot brake to stop.

Scan me!



ROAD DRIVING



VALTRA EXPERT TIP

Pedal driving is recommended for road transport. When driving with a heavy trailed load behind the tractor - the brake pedal must always be used to stop the vehicle (not only engine braking). For driving on even terrain select engine braking position 1 for better control of the machine.

In road use always drive in area B so there is no need to shift the ranges when starting from 0 km/h. When driving for longer periods switch the screen to the driving display. In slippery conditions always use engine braking position 1.



Driving display



Engine braking



Drive and brake pedals



FIELD PULLING



VALTRA EXPERT TIP

Lever driving or cruise control is recommended for field work. With implements with no PTO (pulling only) the transmission droop can be adjusted according to the implement and field conditions (the more it is on transmission side the more you save fuel). For the best mechanical power output while in the field always drive in work area A. When driving long hours (and the machine is set up to do so), switch the screen to the working display.



Work display



Droop settings



Drive lever



PTO WORK



VALTRA EXPERT TIP

For PTO work it is recommended to use the M buttons and create a headland management process for the task. Transmission drop settings should always be adjusted to the current work and conditions, on the middle or on engine side. In field work the tractor should always be driven in area A. For long hours switch the screen to the working display.



Driving display



Headland management



Drop settings



PROGRAMMABLE FUNCTIONS

HYDRAULICS

There are totally 9 different programmable hydraulic controls in the SmartTouch armrest. The auxiliary hydraulic controls are positioned on the armrest. The joystick, fingertip levers and linear levers are programmable, thus you can select which lever controls which valve.

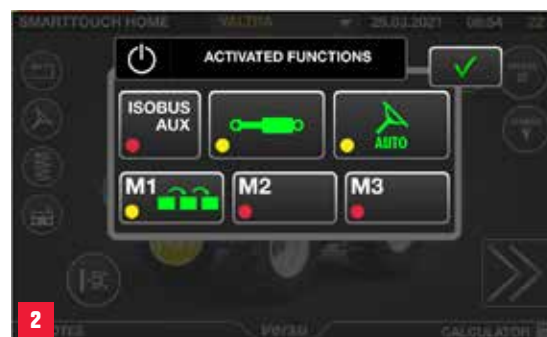


1. Joystick
2. Joystick fingertip lever
3. Upper button (Front loader selecto 3)
4. Lower button (Front loader selecto 4)
5. Hydraulics fingertip lever 1
6. Hydraulics fingertip lever 2 (optional)
7. On/off valve A (optional)
8. On/off valve B
9. Blue linear lever
10. Brown linear lever
11. Green linear lever
12. White linear lever
13. Master activation switch

MASTER ACTIVATION

Hydraulics, Valtra Guide steering valve, memory buttons (U-pilot) and Isobus aux controls can all be activated via the master activate button on the smarttouch armrest. When starting up the tractor simply press the button on the armrest and then select from the screen which functions you want to activate. You can easily deactivate all functions by pressing the button again, this increases the safety while allowing higher speeds than 25 km/h (limited by Valtra Guide).

1. Press button on armrest
2. Select from pop-up which functions you want to be activated.
(If nothing pressed, previously selected functions activate)
3. Press button again to deactivate



HYDRAULIC SETTINGS



You can easily change between front and rear hydraulic setting view with just one swipe in the touch screen.



Easy access to hydraulic settings



- | | | | |
|----|---------------------------------------------------------------------------------|----|-----------------------------------------------------------------|
| 1. | Front valves
The number of front valve and F for front and R for Rear valve | 5. | Lock all valves
Lock/unlock all valves from setting changes. |
| 2. | Valve control
Opens a pop-up window to select the control (9 possibilities) | 6. | Flow setting of 10% and floating for all valves |
| 3. | Hydraulics assistant | 7. | Flow setting of 50% and floating for all valves |
| 4. | Front/rear hydraulics selector
Select between front and rear valve settings. | 8. | Flow setting of 100% and floating for all valves |
| | | 9. | Hydraulic dual pump activation (optional ECO hydraulics) |



VALTRA EXPERT TIP – ECO HYDRAULICS

By activating the ECO from hydraulic settings screen, the booster pump is activated. That helps to create a hydraulic oil net flow to over 200 l/min at 1600 engine revs. When speed exceeds 25 km/h, the pump will be disconnected, but it returns back ON when speed decreases under the limit. The same takes place after engine restart.



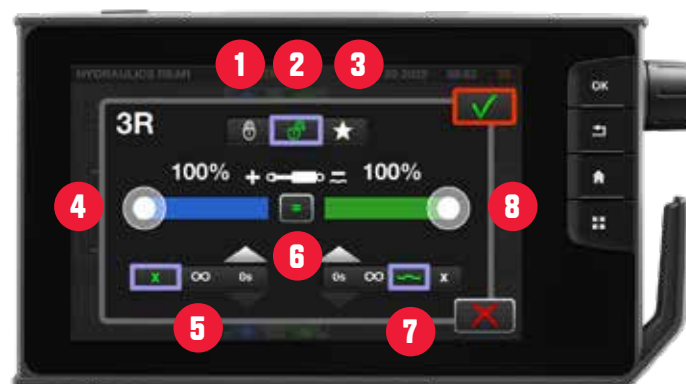
HYDRAULIC PROGRAMMING

VIA HYDRAULIC SETTINGS

All settings per valve done via single pop-up.
Swipe or tap functionality available.



1. Valve settings locked
2. Valve settings open
3. Priority setting
- Sets priority to ensure sufficient oil flow to the valve
4. Flow rate of the + port
5. Function selection of the + port
x = no function active
∞ = position lock continuously on
0s = timed duration of the position lock
6. Flow rate adjustment
- Separately or both at the same time
7. Function selection of the - port
0s = timed duration of the position lock
∞ = position lock continuously on
~ = floating position
x = no function active
8. Flow rate of the - port



Scan me!



TIP: Hydraulic settings are saved to the profile in use. When changing the task, change the profile and all the settings are there ready when you do programming once!

CHANGE HYDRAULIC CONTROLS

1. Go to the hydraulic page.
2. Select the box adjacent to the desired valve.
3. A new page will open. Select the position to operate it.
4. Tick the desired box.
5. The valve can now be operated from this control.

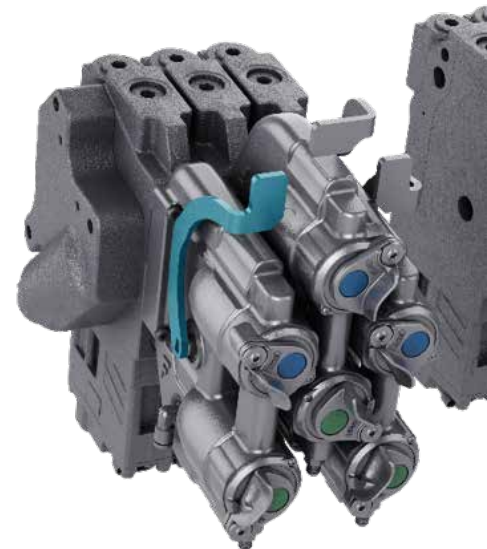


Scan me!



VALTRA EXPERT TIP

- A hydraulic valve can be allocated to several buttons to operate it from different locations
- All valves can also be operated as a single action by adjusting the minus (-) port delivery to x (no function). (or delivery to = and activate floating)



PTO

You can use the power take-off (PTO) to transmit power from the tractor to an implement.

1. Start the engine and tap the PTO symbol on the SmartTouch screen to open the PTO settings.
2. Select the PTO speed. The value stays even in memory when you turn the ignition off.
3. You can control the start and stop of the PTO with the switches on the armrest. Push the switch down and pull it back to start the PTO. To stop the PTO, push the PTO switch down and forward.

TIP: You can program PTO start and stop to M1, M2 or M3 buttons as single operation or as a part of headland management (U-Pilot) sequence.

PTO Cruise: when activated you can get correct PTO speed automatically with press of engine speed memory button, see next page.



VALTRA EXPERT TIP – STATIONARY USE

The front PTO and the rear PTO can engage in stationary mode.

Procedure

1. Park the tractor and apply the parking brake. The PTO must be in operation to engage stationary mode.
2. To operate the PTO in stationary mode, push and hold the front PTO or the rear PTO switch for 3 seconds.



AUTO PTO

With the automatic power take-off (auto PTO), you can set the limits for the automatic start and stop of the PTO. You can give a different limit for when you lift the rear linkage or lower the rear linkage. The auto PTO controls the start and stop of the PTO in these conditions:

- auto PTO is engaged
- rear PTO is in operation
- ground speed PTO (GSPTO) is not engaged
- rear hitch is in the working mode or the floating mode
- driving speed is at least 1 kmh
- headland management is not used.

1. Open the PTO rear screen.
2. Engage the auto PTO with the auto PTO switch on the SmartTouch display.
3. Set the limit when the PTO starts when you lower the linkage.
4. Set the limit when the PTO stops when you lift the linkage.



VALTRA EXPERT TIP



Note that in most cases it is easier to create an U-Pilot Sequence (Headland management) for your task.



PROGRAMMABLE FUNCTIONS MEMORY BUTTONS



You can add one-action programmes or sequence (U-Pilot) action programmes to the memory buttons. You can program almost any function in the SmartTouch to the memory buttons.

1. Open the Armrest screen
2. Tap the desired memory button
3. Tap the one-action programme selection icon.
4. Tap add action icon.
5. Tap the action or action category to select it.
6. Tap  to add it.
7. Tap  to accept the one-action programme.

To change the one-action programme:

- Delete the current one-action programme.
- Add new one-action programme.

Programmable function examples: PTO start/stop
Speed cruises (up to 4 speed cruise memories),
Valtra Guide activation

TIP: With different profiles you can easily change usage of Memory buttons according to your settings per profile.

U-PILOT

HEADLAND AUTOMATICS

1. Open the Armrest screen.
2. Tap the desired memory button.
3. Tap the sequence icon.



RECORD A U-PILOT PROGRAMME

4. Tap the record icon.
5. Perform the operations in the required order.
6. Tap the record icon to end the recording.



PROGRAM A U-PILOT PROGRAMME

7. Tap add action icon.
8. Tap the action or action category and select it.
9. Add the rest of the actions alike.
10. Change order of the actions by sliding with your finger (if needed).
11. Edit the time and distance between actions.



TIP: U-Pilot sequence is saved to the profile in use (e.g. ploughing). When changing the task, change the profile and all the settings and sequences are there ready when you do programming once!




You can easily fine-adjust your U-Pilot via touchscreen, also while driving.

Scan me!



QUICKSTEER

QuickSteer is a steering system controlled by an electrohydraulic steering valve. The adjustable steering ratio gives you the possibility to alter the reaction speed between moving the steering wheel and the tractor turning which is helpful whenever the driver needs to steer a lot, for example when driving in a small yard or when doing front loader work.

1. Engage QuickSteer with the  button in the rear key pad of the armrest. The light on the button goes on.
2. Go to the steering setting screen by tapping the  button.
3. Adjust the QuickSteer sensitivity slider for your drive direction (forward or reverse). The influence on the steering ratio can range from small (1) to big (5).
4. Disengage QuickSteer by pushing the  button on the armrest. The light on the button goes off.



VALTRA CONNECT

REMOTE SERVICES & CONNECTED SUPPORT FOR YOUR VALTRA MACHINES

OVERVIEW OF THE MOST IMPORTANT MACHINE DATA – ANYTIME, ANYWHERE!



Simple fleet management using a computer, smartphone or tablet



Minimised downtime due to early identification of error codes



Increased economic efficiency and operating material savings thanks to fact-based analysis of the field management



Optimised machine adjustment and reduced inputs to improve performance



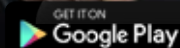
Effective dealer support via AGCOConnect
Direct help with suitable & fast solutions
– Ask about retrofit



Data Security: Valtra Connect complies with the stringent European IT security standards

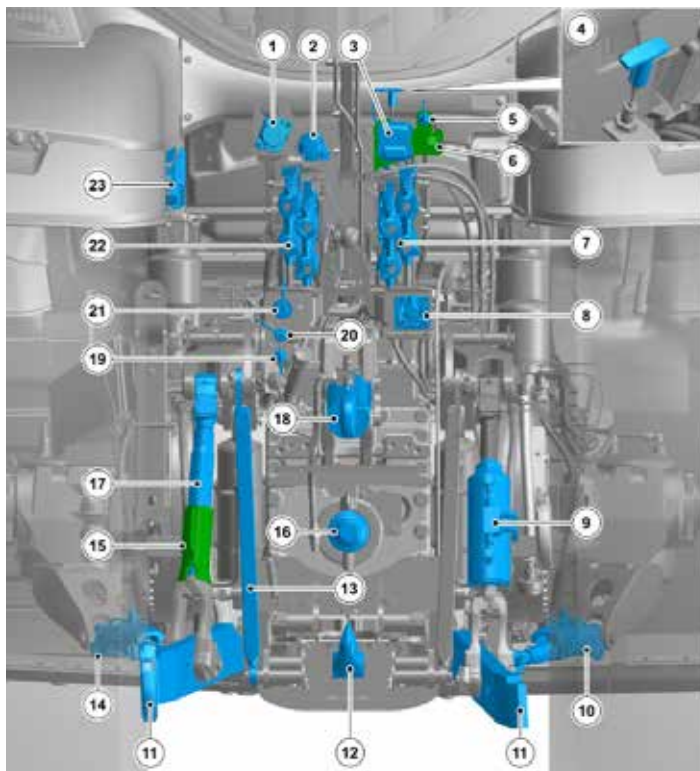


Plan services in advance around seasonal peaks and maximise your uptime. For Valtra G, N, T, Q and S Series machines. Check now if your machine is ready for Connect:
get.agcoconnect.com



FUSE
SMART FARMING. SYNCHRONIZED.

REAR CONTROLS AND CONNECTIONS

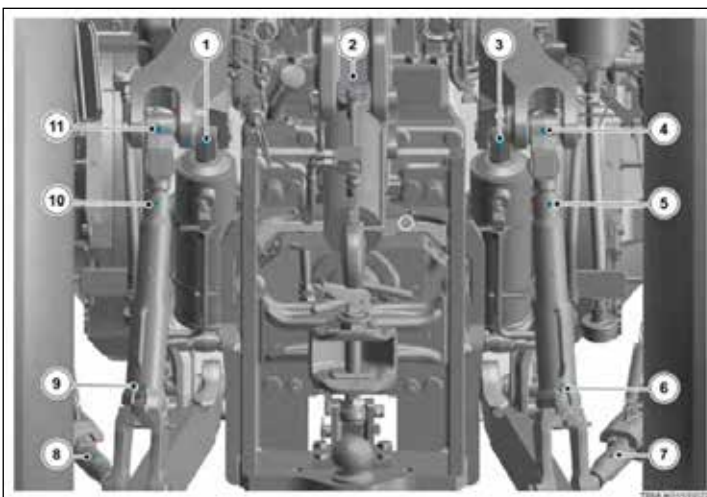
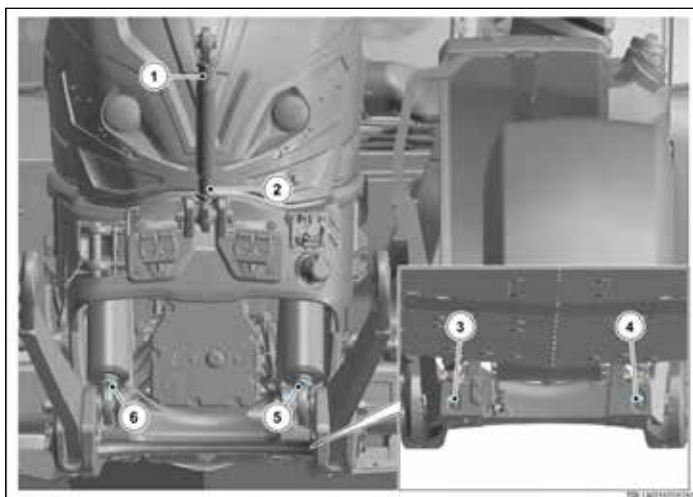
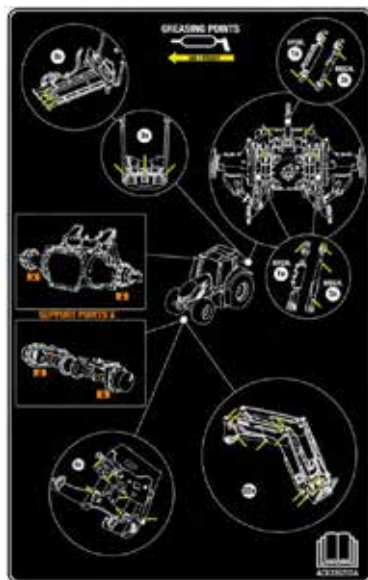


The pick-up hitch is optional with many alternatives.

1.	Trailer socket for trailer with ABS brakes
2.	Trailer socket
3.	Trailer coupling, Duo-Matic (optional)
4.	Auxiliary control device for parking brake
5.	Quick couplings for the auxiliary pneumaticsystem
6.	Quick couplings for the pneumatic trailerbrakes
7.	Quick couplings, auxiliary hydraulics
8.	ISOBUS connector (optional)
9.	Hydraulic levelling link
10.	Right side limiter
11.	Lower links
12.	Pick-up hitch (optional)
13.	Pick-up hitch lift links (optional together with the pick-up hitch)
14.	Left side limiter
15.	Levelling screw
16.	Power take-off (PTO)
17.	Lift link
18.	Top link
19.	Quick coupling, auxiliary hydraulics
20.	Quick coupling, auxiliary hydraulics
21.	Quick coupling, auxiliary hydraulics
22.	Quick couplings, auxiliary hydraulics
23.	Top link/lower link ball storage bracket

LUBRICATION POINTS

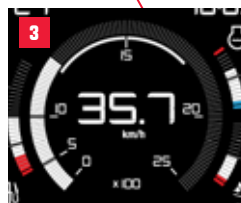
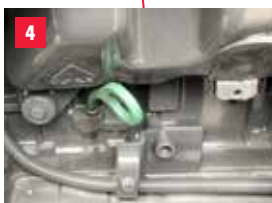
Lubrication points table is located right side of the machine. Please do lubrication regularly to increase machine lifetime and reduce wearing.



DAILY SERVICE POINTS

You have only 6 things to remember

1. Visual check for tyres and leakages. Clean grilles and radiator
2. Check the coolant level (owners manual Page 448)
3. Check fuel and Ad-Blue levels
4. Check the engine oil level (owners manual Page 446)
5. Check the transmission oil level (owners manual Page 450)
6. Check the hydraulic oil level (owners manual Page 451)
7. Drain the water from the compressed air system (owners manual Page 454)





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