



Depth Command Guide Version 042



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www.i4m.net.au



This is a fast setup guide
Your tablet app has plenty of info and help pages

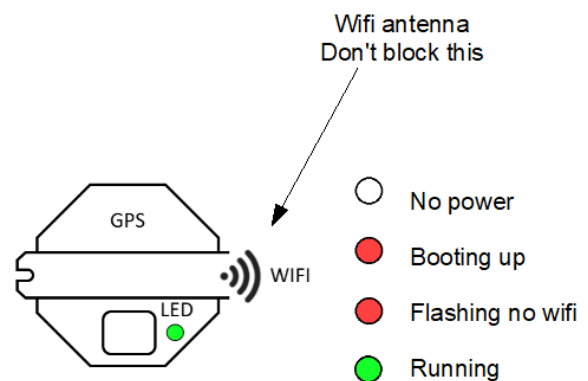
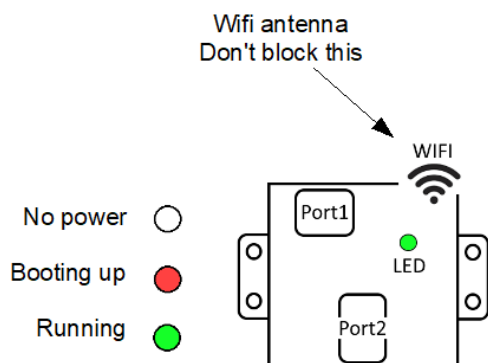
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Quick info

- This controls implement depth (rippers spaders delvers etc)
- It uses a sensor on the machine (not GPS elevation)
- It uses a tablet (not the tractor screen)
- You can control it with a map, or manually, or record depth only
- You can export recording maps
- It will lift the machine if engine-load or wheel-slip is too high
- You can use it without isobus (engine-load and wheel-slip will not work)

Controller and GPS

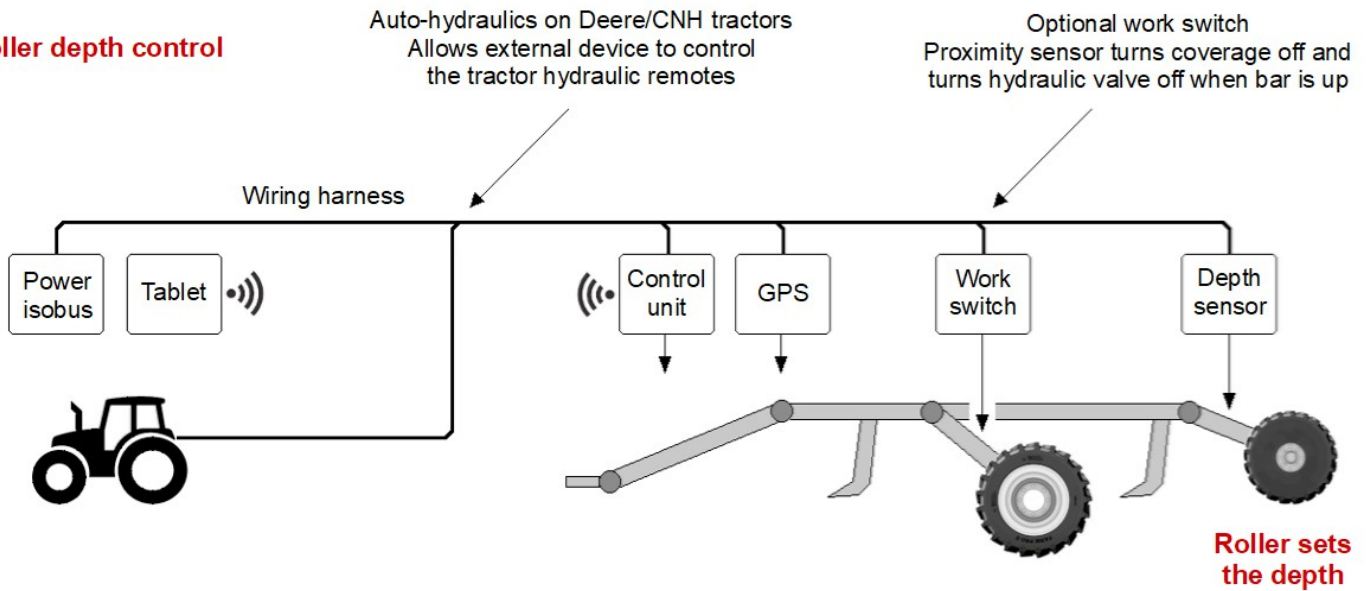
- The i4M controller takes a few seconds to boot up
- The controller and GPS has diagnostic LEDs
- The GPS will auto connect to the box after a few seconds



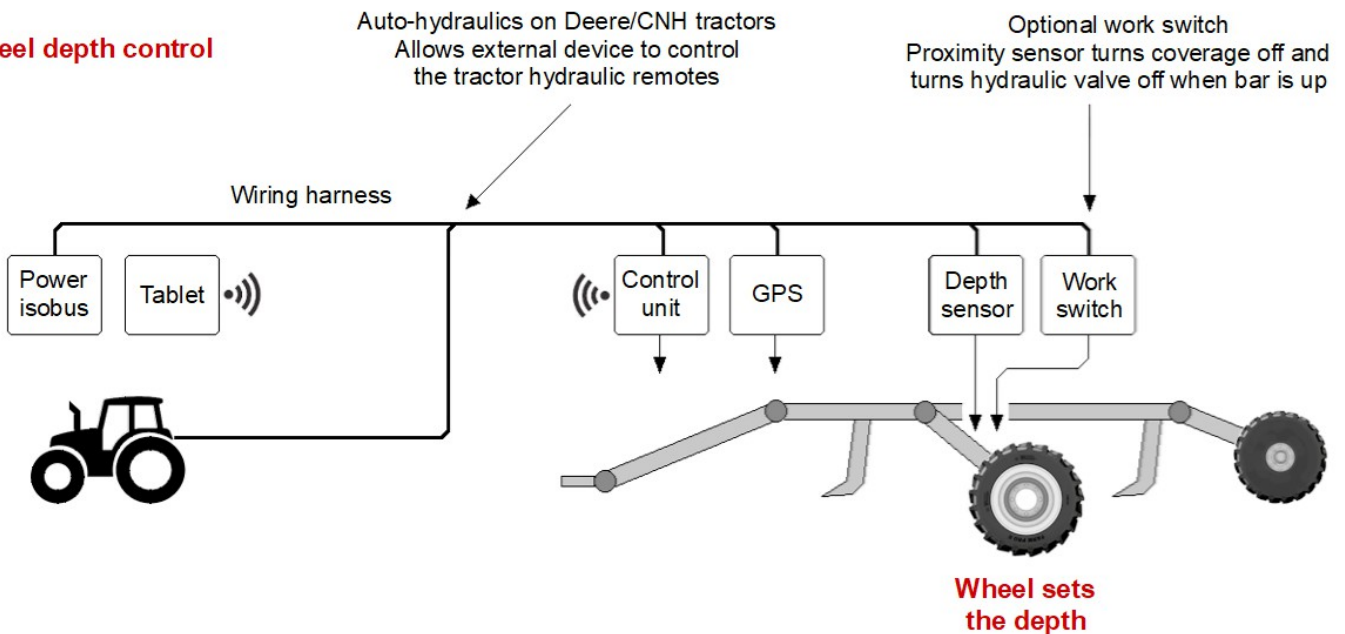
Install – Tractors with Auto-Hydraulics (Deere / Case / New Holland)

- The depth controller runs the tractor hydraulic remotes
- Get power from the iso socket or a power outlet in the cab
- You can use it without isobus (Engine-load and Wheel-slip will not work)
- Fit the GPS to the implement or the tractor, on the centre line
- The GPS automatically connects to the control unit wifi

Roller depth control



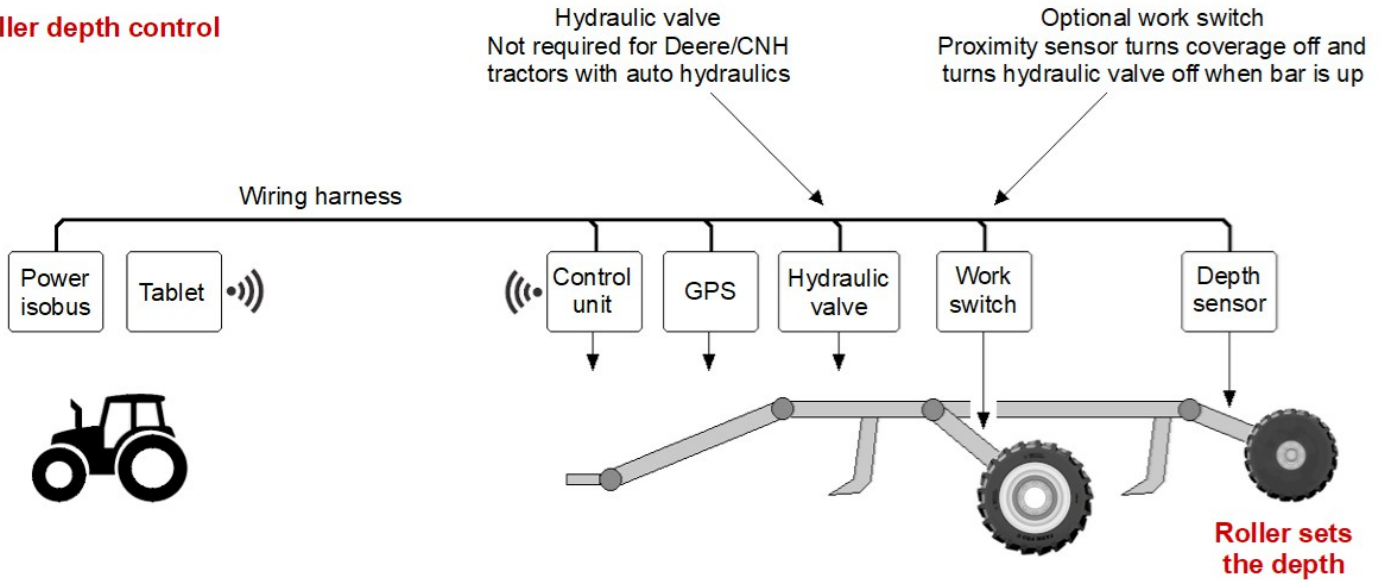
Wheel depth control



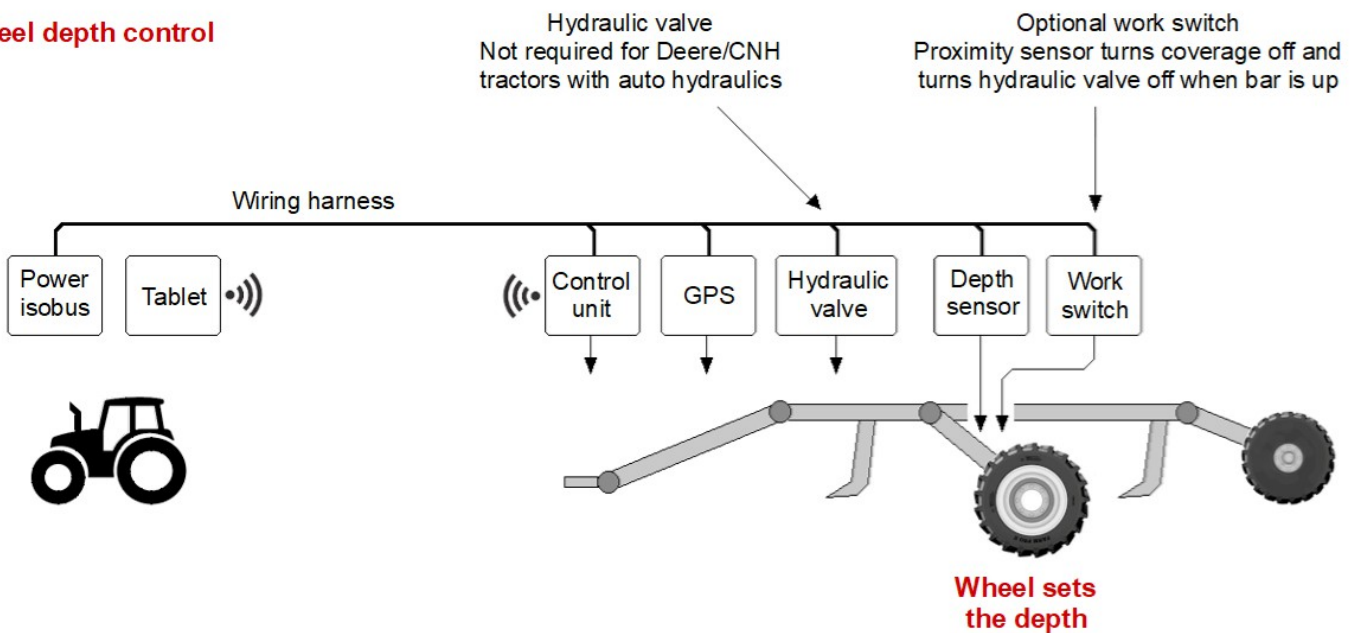
Install – Tractors without Auto-Hydraulics (uses solenoid valve to control depth)

- Get power from the iso socket or a power outlet in the cab
- You can use it without isobus (Engine-load and Wheel-slip will not work)
- Fit the GPS to the implement or the tractor, on the centre line
- The GPS automatically connects to the control unit wifi

Roller depth control



Wheel depth control



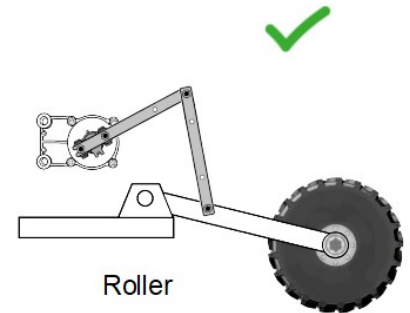
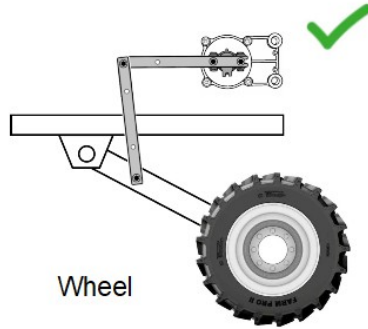
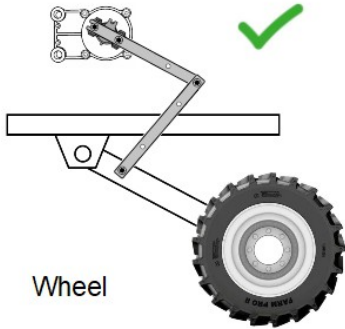
Depth Sensor

- Sensor info and instructions, scan the code
- The sensor reads the rear roller or the lift wheels (whichever one controls the depth)
- Fit the sensor kit to the frame and lift arm
- The sensor must not run out of travel
- It can move in any direction, the calibration will orient it correctly

Scan me



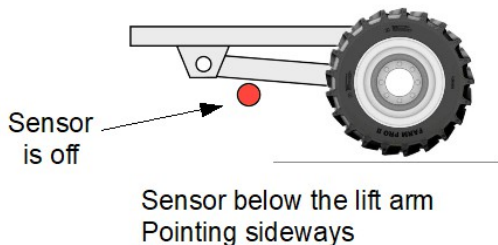
Sensor must stay in the safe zone
Scan the code



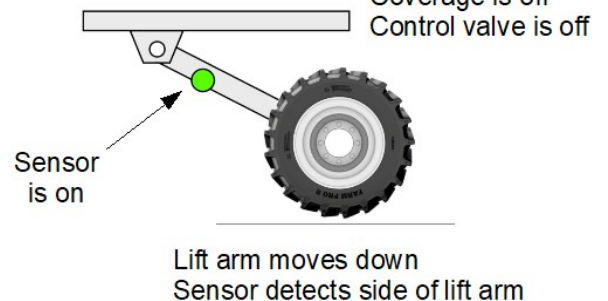
Work Switch

- Optional not essential
- On / Off proximity sensor
- Turns off coverage and turns off the hydraulic valve when the bar is up
- Mount the sensor to the frame
- Point it to the side of the lift arm (headland lifting)
- When the bar is up, the sensor should be on (LED turns on)

Bar is down
Coverage is on
Control valve is on

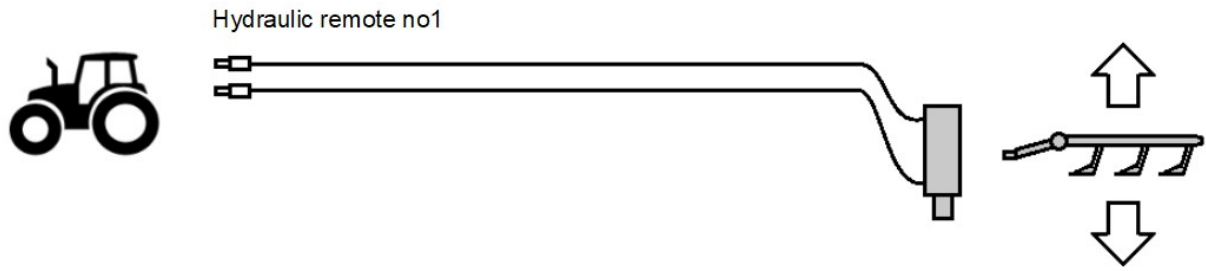


Bar is up
Coverage is off
Control valve is off



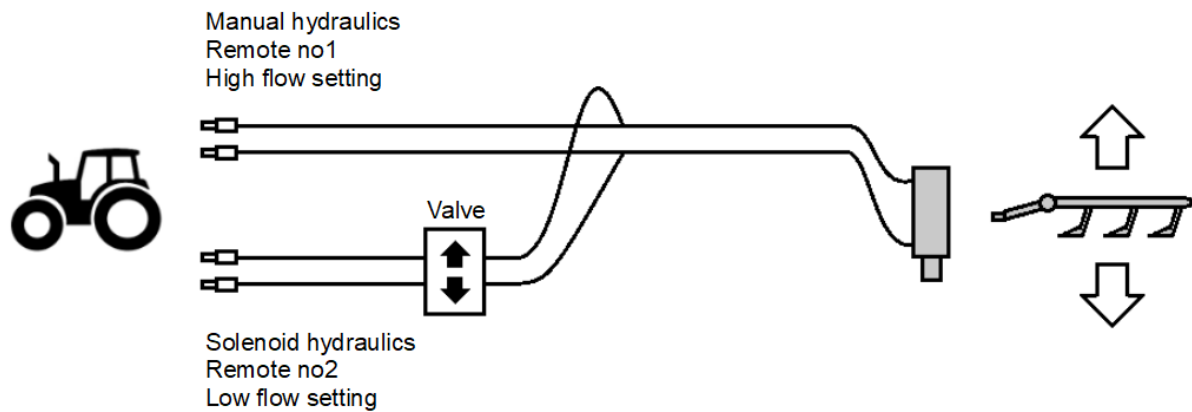
Connect Auto Hydraulics

- Large Deere / CNH tractors have Auto-Hydraulics, allows external devices to control the tractor remotes
- Connect the raise/lower hoses to remote no 1
- Adjust the tractor remotes flow to set your desired raise/lower speed



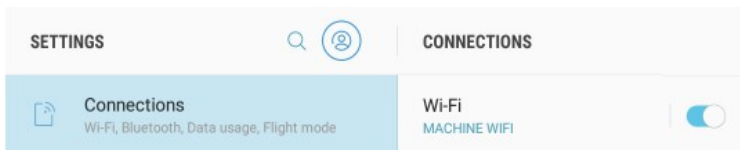
Connect Solenoid Valve Hydraulics

- Tractors without factory Auto-Hydraulics will need a solenoid valve on the implement
- Connect the main hoses to remote no 1, set the flow up high, use this to manually raise and lower the implement
- Connect the aux hoses to remote no 2, set the flow BELOW 50%, use this remote for auto depth control



Android App

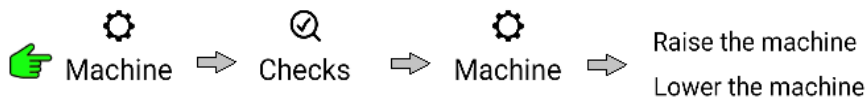
- Install the i4M Depth Command app on your tablet
- After the app is installed, connect the tablet to the controller
- Open the wifi settings and connect to MACHINE WIFI 1



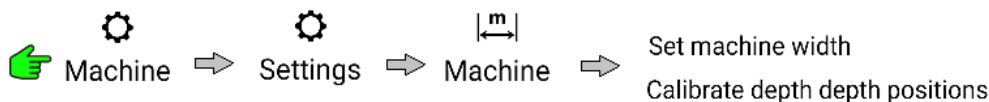
Scan to get the app
or search paasystems.com

Quick Start

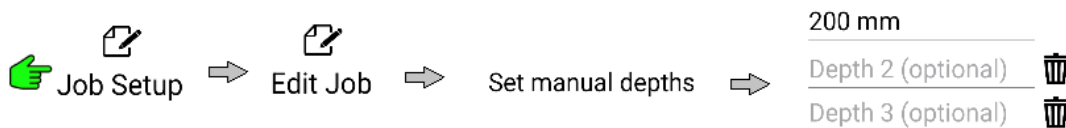
- If your tractor has auto-hydraulics, set them up now (end of this manual)
- Open the i4M Depth Command app
- Check that Raise / Lower works correctly (tap the menus below)
- Swap the direction in the Settings menu, if it moves the wrong way
- Some tractors need to be moving



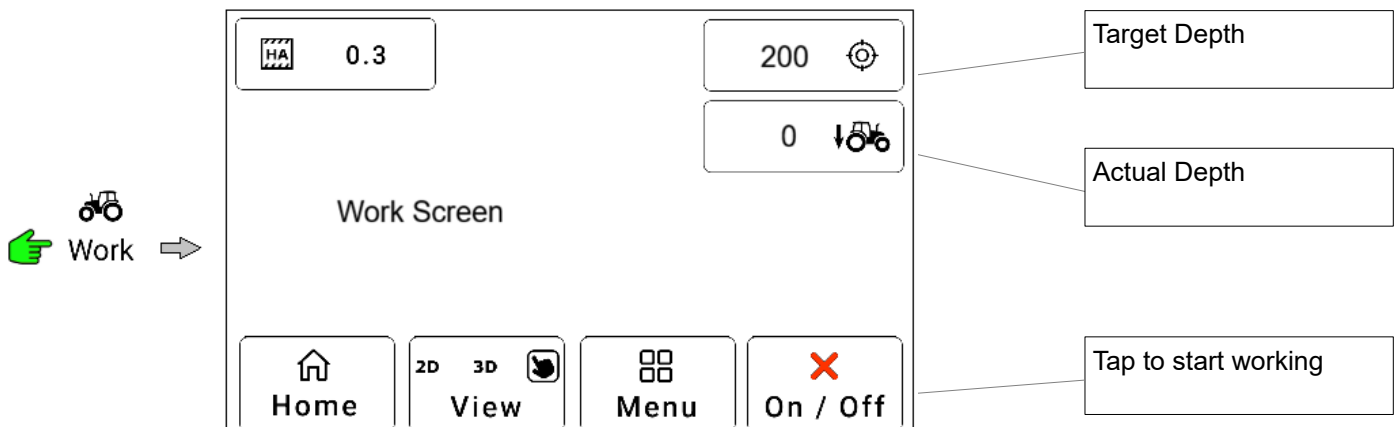
- Set the width and calibrate the depth positions (tap the menus below)
- This sets ground-level and max-depth etc



- Enter some working depths (to use in the paddock)



- Open the work screen, tap the On / Off button to start working



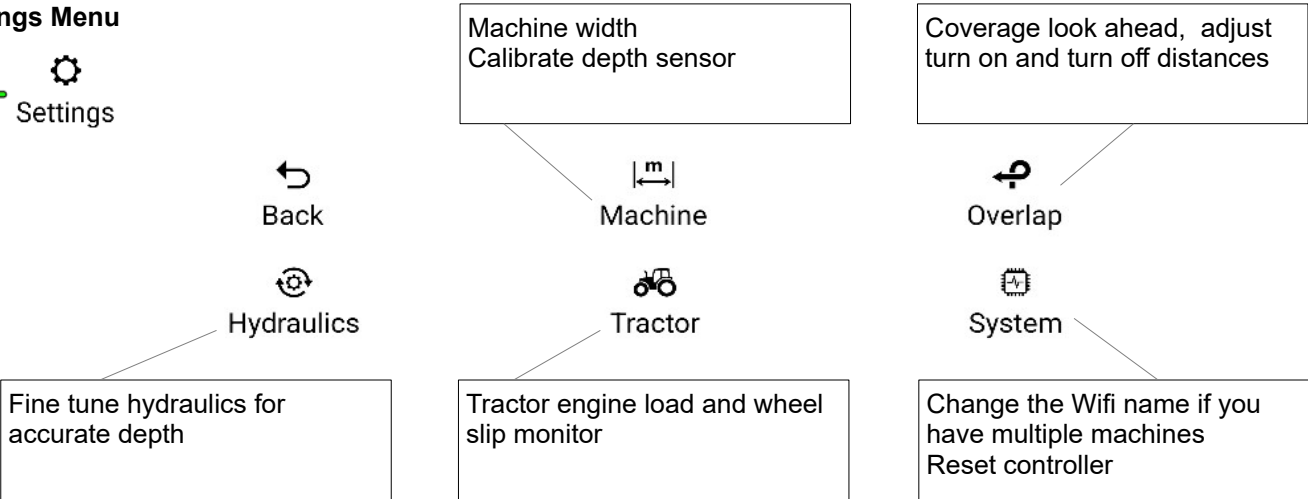
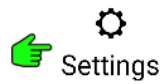
Quick Help

- Use the help menu on every page, for quick helpful info

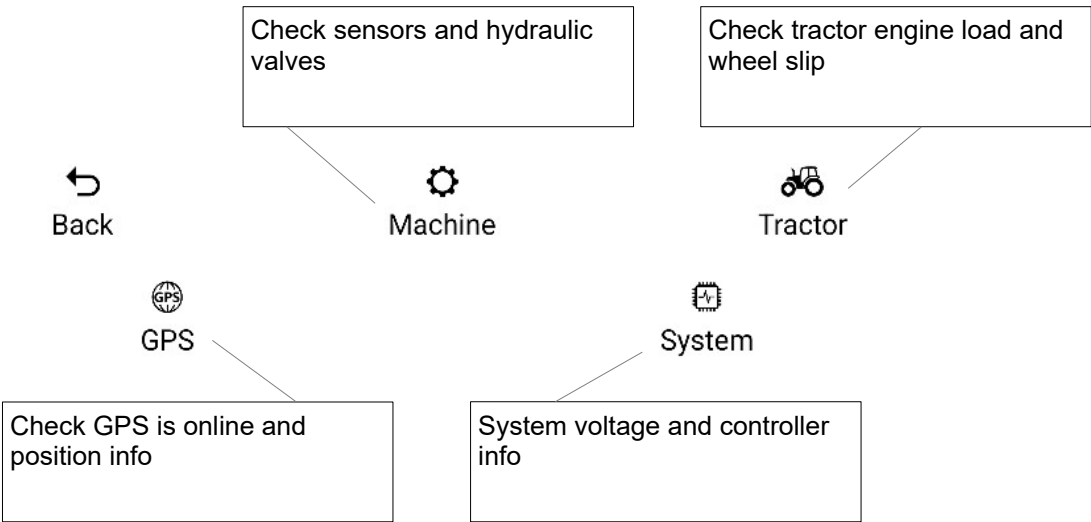
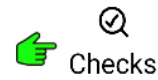


Scan for help
or search paasystems.com

Settings Menu



Checks Menu



Job Menu

 Job Setup

 Edit Job

Set manual depths
Depth maps
Record the depth
Coverage maps
Export maps

 Hectares

Zero the Ha
Adjust the Ha

 Coverage

Delete coverage
For this job only

 Edit Job →

Use manual depths to control the machine
Use a depth map to control the machine
Just record (don't control the machine)

Select the type of job

Select a coverage map (to record this job)

 Coverage map 0  Edit

 Coverage map 1

 Coverage map 2

Select a map to record coverage
Tap Edit to export the recording,
or rename, or delete it

Prescription Maps

 Job Setup →  Edit Job → Use a depth map to control the machine

 Back  Help  Download  Page

Select a depth map (for this job)

 Sample Map  Edit

 Depth map Springfield nuclear plant

 Depth map Moes Tavern

Download maps if you have put some in the cloud

Choose a map to use for this job
Use the sample map if you have not uploaded your maps to the cloud

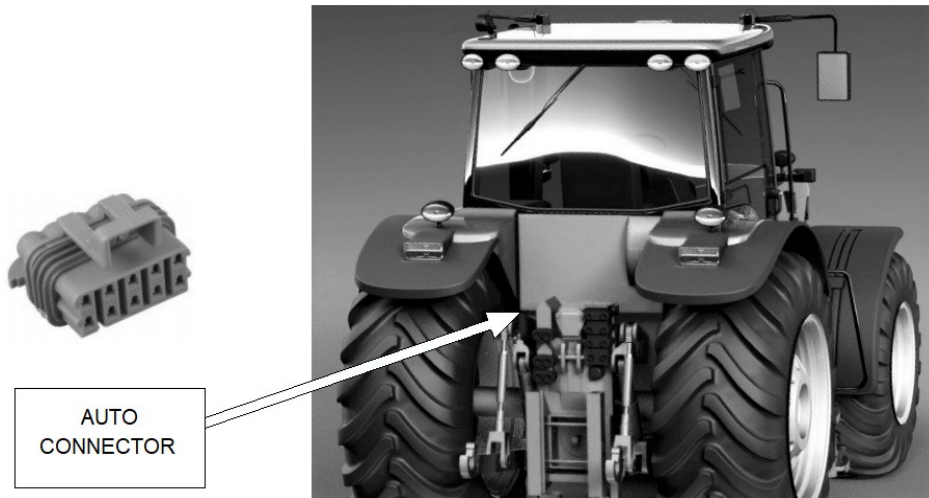
Tap Edit to export the recording, or rename, or delete it



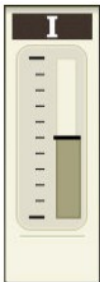
Scan to get the maps guide
or search paasystems.com

Auto-Hydraulics Setup – DEERE Tractors

- **WARNING:** Prevent error codes - the key and battery isolator must be off
- Connect the Auto-Hydraulics cable to the 10pin metripack connector shown below
- Connect the hoses to tractor remote number 1
- Set the hydraulic flow to the speed you want (move the implement using the tractor lever)

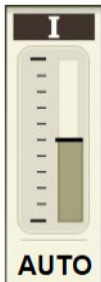
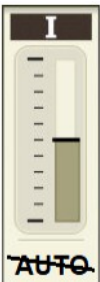


- Check the tractor hydraulic display shows AUTO below remote number 1



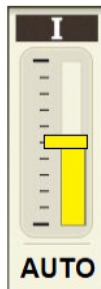
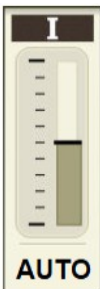
If AUTO is missing

- Turn tractor off, kill battery isolator
- Unplug the auto hydraulics connector
- Start the tractor
- Move the remote lever forward for 5 seconds
- Turn tractor off, kill battery isolator
- Plug in the auto hydraulics connector
- Start the tractor, check the display shows AUTO



If AUTO is crossed out

- Quickly click the lever forward and release it
- The line should disappear
- Don't click too far forward, that will engage float



If AUTO is showing

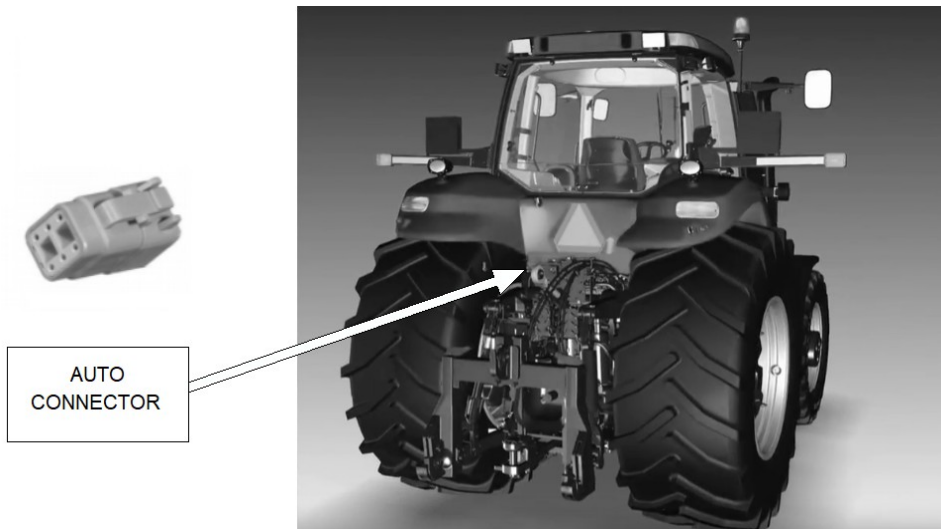
- The hydraulics will run automatically when the tablet commands it
- Display will turn yellow when oil is flowing
- The tractor must be moving (this is a tractor safety feature, cannot be changed)

Quick Manual Test

- Drive the tractor slowly (some machines need to be moving)
- On the tablet go to Machine > Checks > Machine and tap Raise or Lower
- The implement will raise or lower

Auto-Hydraulics Setup – CNH Tractors

- **WARNING:** Prevent error codes - the key and battery isolator must be off
- Connect the Auto-Hydraulics cable to the 6pin deutsch connector shown below
- Connect the hoses to tractor remote number 1
- Set the hydraulic flow to the speed you want (move the implement using the tractor lever)



- Check the tractor cornerpost display shows **AUTO 1**
- If not, you need to activate AUTO mode
- Steps may be different for some tractors, please contact your tractor dealer
 - Key off
 - Press the PROG button, do not release it
 - Key on
 - Wait 5 seconds
 - Release PROG button
 - Cornerpost shows CONFIG MENU
 - Select AUX/HITCH/PTO option from the list
 - Select EHR from the list (Electronic Hyd Controller)
 - Select AUX SETUP from the list
 - Set the SCRPR option to: 2 LASER
 - Select EXIT
- Press button **1** to put the remote in auto mode



Quick Manual Test

- Drive the tractor slowly (some machines need to be moving)
- On the tablet go to Machine > Checks > Machine and tap Raise or Lower
- The implement will raise or lower

Operator Responsibility & Safety Notice

While this product is designed to automate specific machine operations, it is not a substitute for active human supervision. The operator remains solely responsible for the safe and correct operation of the vehicle, the monitoring of the workspace, and the final quality of the task performed. Always ensure the machine is operated in accordance with the Manufacturer's Safety Guidelines and local regulations. Precision Agronomics Australia is not liable for damages or injury resulting from unattended operation or failure to intervene when necessary.