



Mixer Monitor Guide Version 010



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www.i4m.net.au



This is a fast setup guide
Your tablet app contains more info

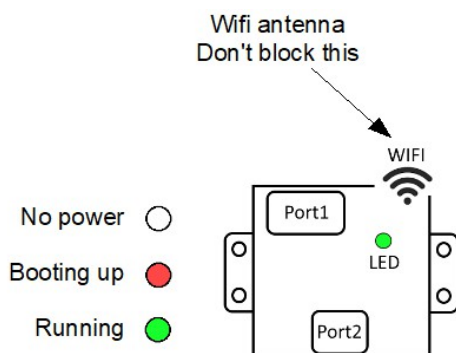
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Quick info

- This controls basic mixer functions (gear select and door select)
- It monitors pto speed and rear door closed
- It prevents gearbox shifting while pto is running

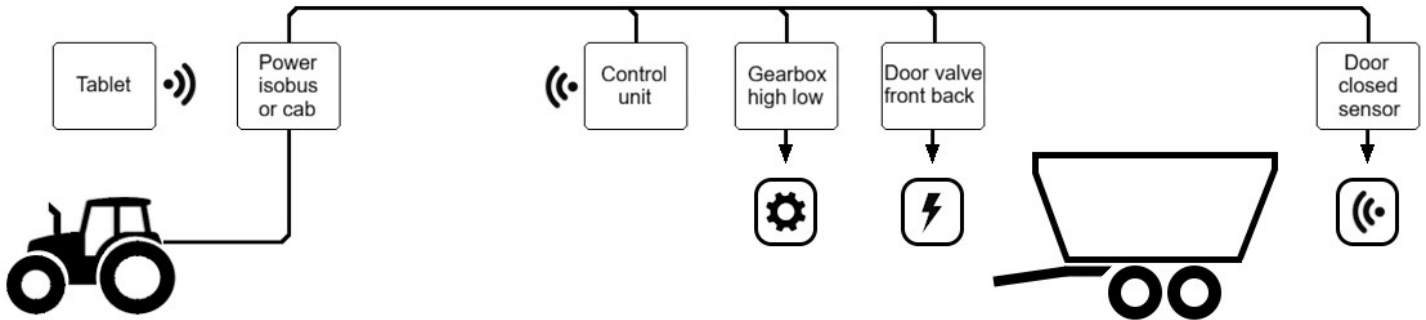
Controller

- The i4M controller takes a few seconds to boot up
- It has a diagnostic LED
- Don't cover the wifi antenna area



Layout and Installation

- Plug the harness to the ISO socket
- The ISO socket is for power only, it is not connected to the isobus
- Use the cab power harness instead, if you can't use the ISO socket



Sensors

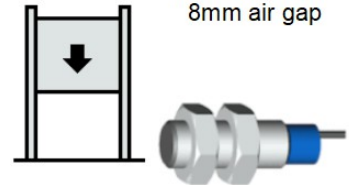
- Fit a M12 proximity sensor to read the tractor PTO shaft
- A single metal tag on the shaft is fine, or a sensor wheel with multiple teeth
- You can set the number of pulses per revolution in the tablet app
- Fit a M18 proximity sensor to read the bottom of the door when it's closed
- The light on the sensor should be ON when the door is closed

 Tighten sensors gently or housing will crack

PTO shaft sensor
M12 diameter
2mm air gap

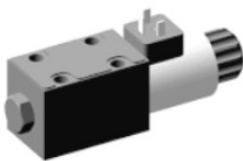


Rear door closed sensor
M18 diameter
8mm air gap



Door Select Valve

- Connect the hydraulic solenoid valve to select front or rear door
- When you select the rear door, the controller turns this solenoid ON (12volts to the coil)



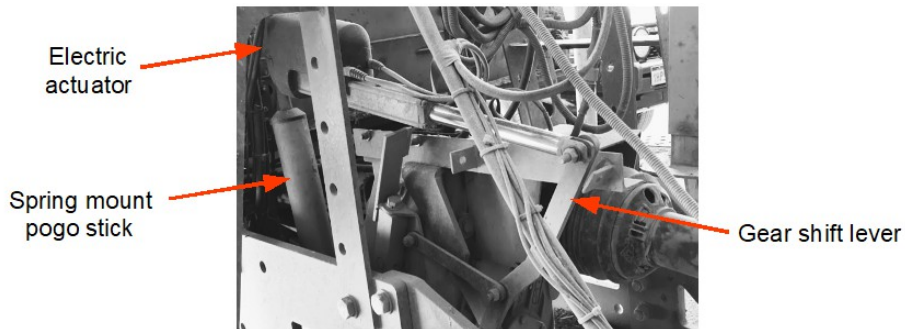
Door select
hydraulic
solenoid valve

Transmission Gear Selector

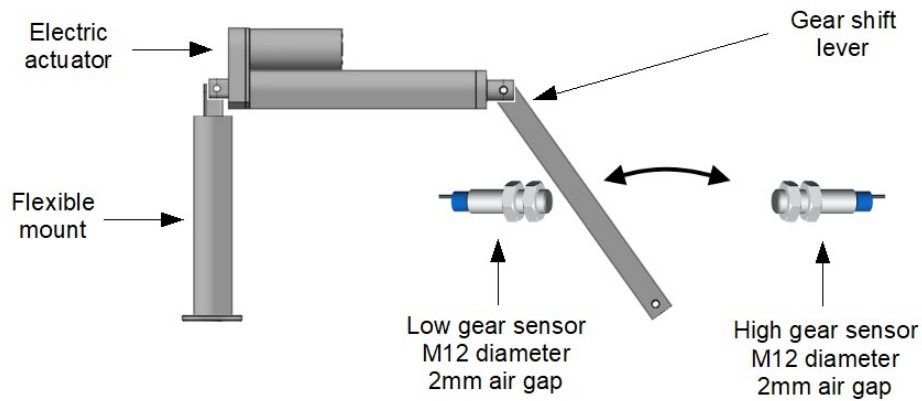


Avoid gearbox damage
Use a flexible spring loaded mount

- The gearbox actuator can drive 400kg of force
- It must be fitted to a spring loaded mount (so it can flex when the gears don't mesh)
- Spring loaded 'pogo stick' mounts for semi trailer air hoses work



- Mount the actuator to the flexible mount and attach the gear shift lever
- The actuator stroke is 250mm, so the shift lever should match this
- Fully extended is high gear, fully retracted is low gear
- Mount the high gear sensor so it detects the shift lever when it's in high gear
- Do the same for the low gear sensor



Important

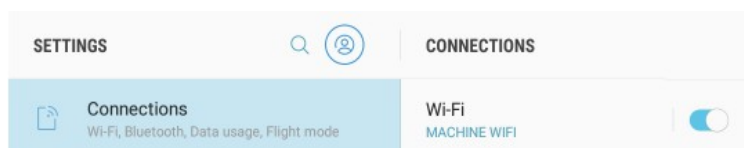
- Sometimes the lever will stop in between gears (the gears don't mesh together)
- The screen will show a warning triangle
- Do not turn the pto on (it must engage properly before starting the pto)
- Try shifting the opposite way and back again, or manually rocking the gear lever

Android App

- Install the [i4M Feed Mixer](#) 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

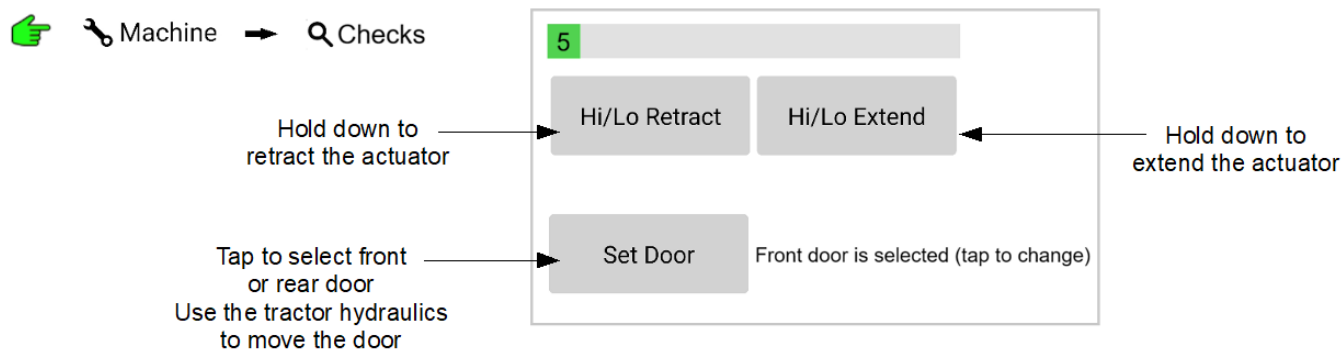


Scan to get the app
or search paasystems.com

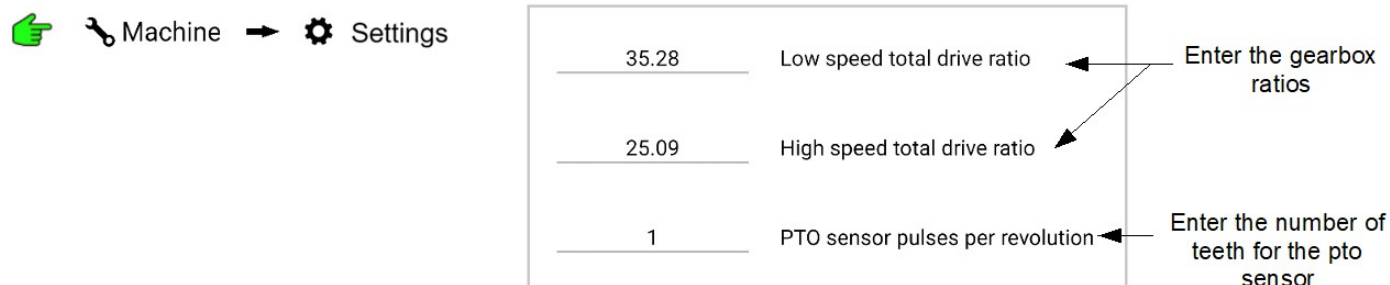


Quick Start

- Open the i4M Mixer app
- Check the gear shift and door select functions



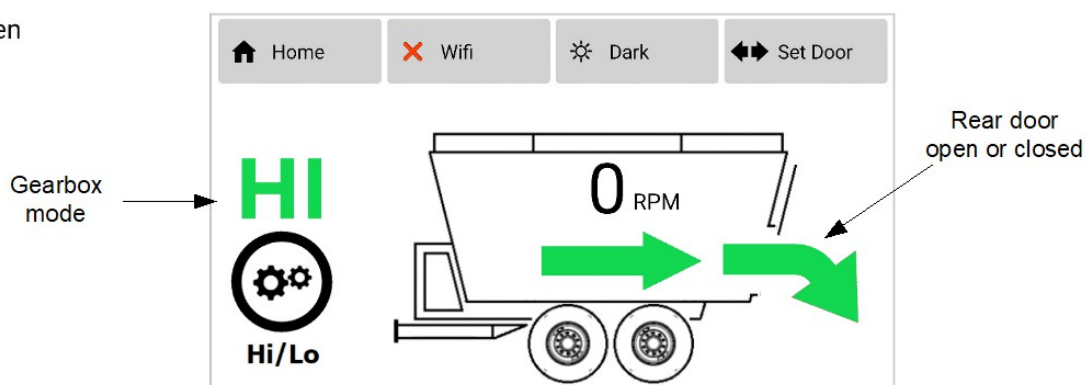
- Set the pto sensor pulses per revolution
- And set the gearbox ratios so the mixer RPM reading is correct



Work Screen

- Wifi button shows connection to controller, tap it if there's a problem
- Dark button switches day or night mode
- Set Door button selects front or rear door, green arrow shows which is selected
- Rear door arrow shows when the door is open
- Gearbox mode shows high or low gear or shows warning if gear is not engaged
- It also shows when pto is turning
- RPM shows the mixer screw speed

  Work Screen



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.