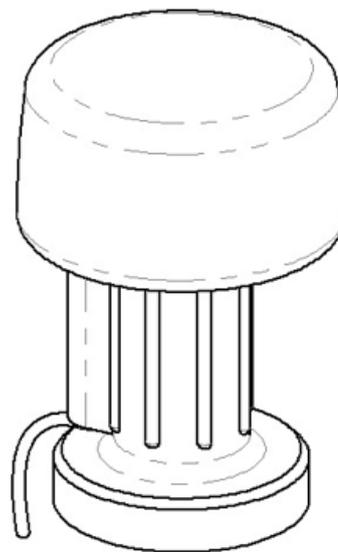


StocksAG

Jackal – GPS Set Up

Wiring and setup guide



GPS RECEIVER

Read carefully before installation and operation

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1.0 General Information

The Stocks Ag Jackal control system can take its speed source from a GPS receiver supplied as a cost option. To allow the receiver to be connected to the Jackal system, a fly lead must be wired into the control box, which provides the socket for the GPS receiver lead.

Once the GPS receiver is attached, the control box must be configured to allow the speed to be read from the GPS. This manual will explain how and where to wire in the fly lead and how to set up the control box to enable this function.

Please contact Stocks Ag if you require any assistance.

1.1 Intended Use

This kit is supplied to allow a GPS receiver to be fitted to a Stocks Ag Jackal control system for use as an alternative speed input only. There is no position function available for this application.

The operator alone bears the associated risk if used for unintended use.

2.0 Safety

Ensure care is taken when lifting the machine.

Safe lifting practice to be observed when handling as the net weight is over 25kg.



⚠ WARNING! Always isolate the power supply if servicing or leaving the machine unattended.

2.1 Safety Decals



WARNING!

Do Not Jet Wash. This machine is not designed to withstand jet washing.

2.2 Control System Operation



1. Power On/Off button

Power is turned on by pressing the **ON/OFF** button for 1 second.

Power is turned off by holding the **ON/OFF** button for 2 seconds.

2. Run/Hold button

The **RUN/HOLD** button has a dual function.

Press **RUN/HOLD** once to place the 'Metering unit ON HOLD'.

Press **RUN/HOLD** again to resume operation.

The **RUN/HOLD** state is indicated in the top left-hand corner of the screen. When the metering unit is in **RUN** mode, the unit displays **RUN** to signify that the metering unit is active (turning).

When the metering unit is in **HOLD** mode the unit displays the word "**HOLD**" & "beeps" every 2 seconds.

3. Page button

The **PAGE** button is used to scroll through function screens.

4. Select buttons

The Jackal has 3 buttons placed directly under the LCD. These buttons will change function in different menus.

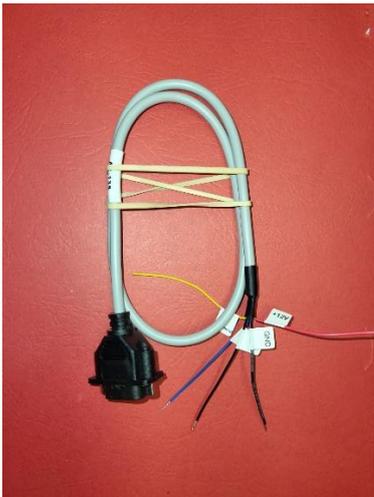
The function of the button is indicated at the bottom of the screen directly above the button.

5. Navigation button (Up, Down, Left, Right, Enter)

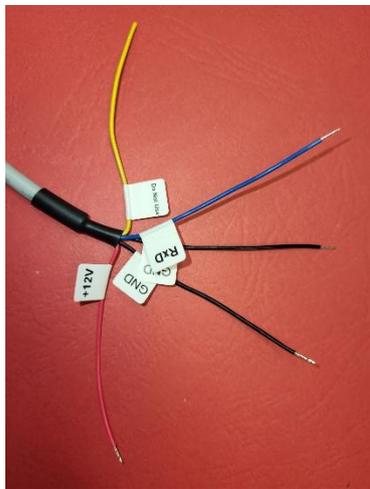
The round navigation (**NAV**) buttons are used to navigate **UP/DOWN/LEFT/RIGHT** in calibration screens as well as scrolling through the display lines on the main screen.

ENTER is used to select the option highlighted onscreen.

3.0 Wiring in the Fly Lead

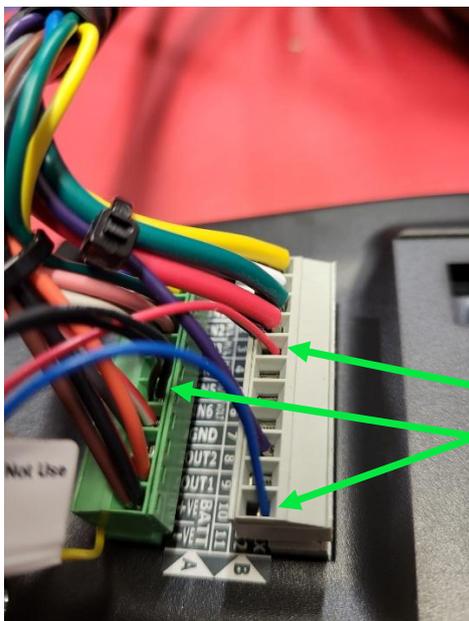


The GPS fly lead as a 9 pin RS232 plug on one end, which connects to the lead on the end of the GPS receiver.
The other end has 5 wires.



- 1) Yellow wire is un used
- 2) Blue wire is the signal wire Rx
- 3) Black is ground
- 4) Black is ground
- 5) Red is 12v power to the receiver

(Both black wires will go into the same terminal)



Two terminal plugs go into the back of the Jackal control box, one grey and one green.
When plugged into the Jackal control box, the terminal identification number is printed on to the back of the box that corresponds with the terminal on either side of it. Using a small flat screwdriver, install the wires as follows:

- 1) **Blue** wire Rx into plug **Grey 11**
- 2) **Red** 12v wire into plug **Grey 5**
- 3) Both **Black** Ground into Plug **Green 7**

Secure the new GPS lead to the existing loom with a cable tie.

4.0 Jackal Speed Input Update to GPS



The head unit must be unlocked to allow the settings to be changed.

Select SETUP.

2

Use the down arrow on the navigation keypad.

Scroll down to About Jackal and press SELECT



3

Select UNLOCK



4

On the unlock screen, scroll down to highlight UI:
Locked and press edit.

**5**

Using the left arrow on the navigation pad, press
3 times to display four 0's

The Unlock Code is 4105.

Using the left and right arrow to select the digit
to change and using up and down on the
navigation pad to change the value, enter the
code.

**6**

Press EXIT 3 times to save and go back to the
SETUP menu page.



7

From the SETUP menu, select Front Screen



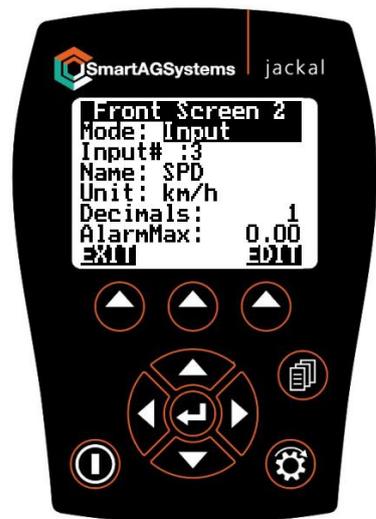
8

On the Front Screen Menu, select 2:SPD for the speed menu.



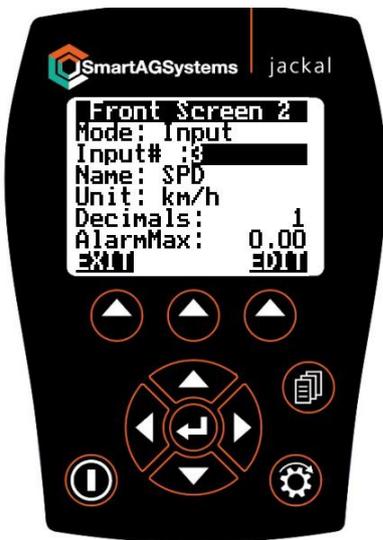
9

On front screen 2, scroll down to highlight Input# 3



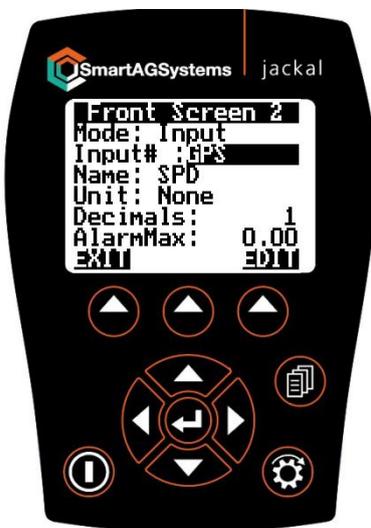
10

Press the EDIT button until GPS is displayed.

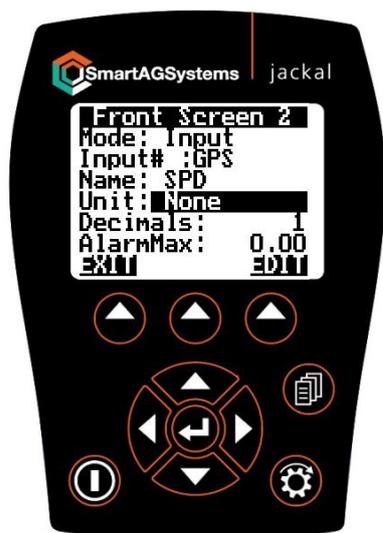
**11**

Once GPS is displayed, scroll down to Unit:

The action of changing the Input source will delete the unit of km/h.

**12**

Using the EDIT button, scroll through the numerous units until km/h is displayed.



13



NOTE: It is vital to make sure the unit is **km/h**, not just km or kg/h.

Press EXIT twice to save and go back to the SETUP Menu.

14



On the SETUP menu, highlight and select Other Settings.

15



Using the EDIT button, change the Speed Input from 3 to GPS.

16

Once GPS is displayed, press EXIT to save and go back to the SETUP menu.

**17**

To check the GPS receiver is working, scroll down and select GPS/Serial.

**18**

If the receiver is working correctly, you will now see data displayed on this screen.

Press EXIT to return to the SETUP menu.



19

Now repeat steps 2 to 5 to relock the head unit.

The unlock does not need to be entered to lock. Highlight Unlocked and press EDIT to re-lock.

Press EXIT 3 times to return to the main RUN screen.

5.0 Jackal GPS Kit Parts

GPS Speed Sensor Kit for Jackal 47TJT5036



GPS receiver - Part No: **TJ255B**



GPS fly lead - Part No: **97APC0048**

