INSTALLATION MANUAL

Agra-GPS AGCO-JD Bridge for Fendt One Machines



Version 1.2
June 2026

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Release Notice

This is the June 2026 release of the AGCO-JD Bridge Installation Manual.

Disclaimer

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DO NOT USE THE AGCO-JD Bridge IF YOU DISAGREE WITH THE DISCLAIMER.

Important Safety Information

Read this manual and the operation and safety instructions carefully before installing the AGCO-JD Bridge.

- Follow all safety information presented within this manual.
- If you require assistance with any portion of the installation or service of your equipment, contact your Agra-GPS for support.
- Follow all safety labels affixed to the system components. Be sure to keep safety labels in good condition and replace any missing or damaged labels. To obtain replacements for missing or damaged safety labels, contact Agra-GPS.

When operating the machine after installing the AGCO-JD Bridge, observe the following safety measures:

- Be alert and aware of surroundings.
- Do not operate the AGCO-JD Bridge system while under the influence of alcohol or an illegal substance.
- Always remain in the operator's position when the AGCO-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the AGCO-JD Bridge system when the safe working distance has been diminished.
- Ensure the AGCO-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the AGCO-JD Bridge system.
- Follow all safety instructions from the AGCO system as well as the JD system.
- The AGCO-JD Bridge must only be used in the field, never on the street.

Electrical Safety

- Always verify that the power leads are connected to the correct polarity as marked. Reversing the power leads could cause severe damage to the equipment.
- Verify that all cables and connectors are not going over sharp edges and are not pinned, as this could cause power shortages and/or malfunctions.

Introduction

Congratulations on your purchase of the AGCO-JD Bridge. The AGCO-JD Bridge is designed to bridge the communication between a AGCO machine (Autosteer ready) and John Deere or Vision displays. This allows a JD display to create maps in the John Deere format and also provides straight AB-Line autosteer.

The operator uses the JD display to create guidance lines. The current position is determined by a John Deere receiver and all this information is used by the AGCO-JD Bridge to create steering instructions for the AGCO machine. All conditions for autosteer such as minimum speed, steering enabled, etc. must be met by the AGCO system before the autosteer engage option in the machine can be activated. The AGCO-JD Bridge has been developed so that the user may use their John Deere equipment with the standard functionality when possible.

NOTICE

This manual is not intended to replace the manuals for the AGCO machine or the John Deere system. The operator must read and understand the manuals and instructions of these systems, before using the AGCO-JD Bridge.

What's In The Box



The Fendt-JD-ONE kit consists of the following items:

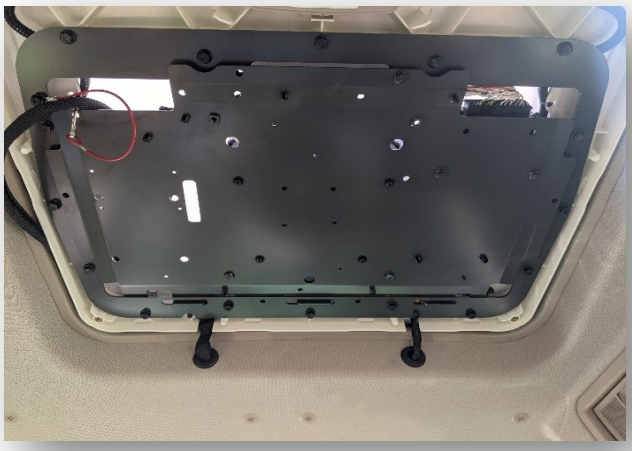
a. Fendt-JD-ONE Bridge
b. Fendt-JD-ONE Machine Adapter (SKU:FENDTJDONEMABS2)
C. Fendt-JD-ONE Monitor Adapter (SKU:FENDTJDONEDABS2)

NOTE: If you are missing any of these items or they appear to be damaged please contact +1 (825) 247-2477 or support@agragps.com

Step 1: Mounting the AGCO-JD Bridge

The AGCO-JD Bridge is installed in the roof above the main seat.

Remove the plastic cover, exposing the metal panel behind it.



To access the connector for steering, you need to remove all the bolts securing the inner panel, allowing it to swing down

Once the panel is open, the following should be exposed.

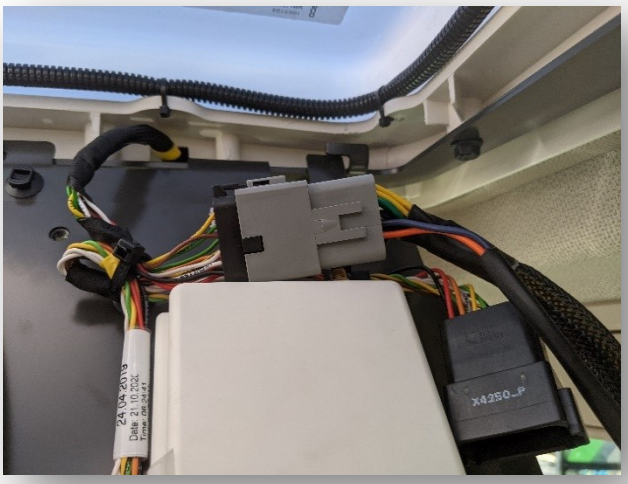


Locate the x4250_P connector (shown right) and disconnect the female connector from the male connector.



The following cable can be inserted incorrectly if instructions are not followed. Read carefully.

Insert the 12-pin male Deutsch end WITHOUT a dust cover of the bridge to machine adapter cable into the black 12-pin Deutsch female that was previously connected to the x4250_P connector.



The harness should come with the 12-pin female Deutsch mini connector pre plugged into the bridge.

Ensure that this is plugged in, then mount the bridge.



Next, Route the 12-pin Deutsch male end of the same cable to the roof outside of the machine and connect it to your JD GPS.

(Connection from the bridge to GPS adapter cable to a StarFire 6000 receiver)



Step 2: Connecting the JD Monitor cable



Locate the following panel on the back-right side of the machine's roof.



Insert the circular 9-pin female end of the monitor
to machine adapter into the 9-pin male ISO in-cab connector.

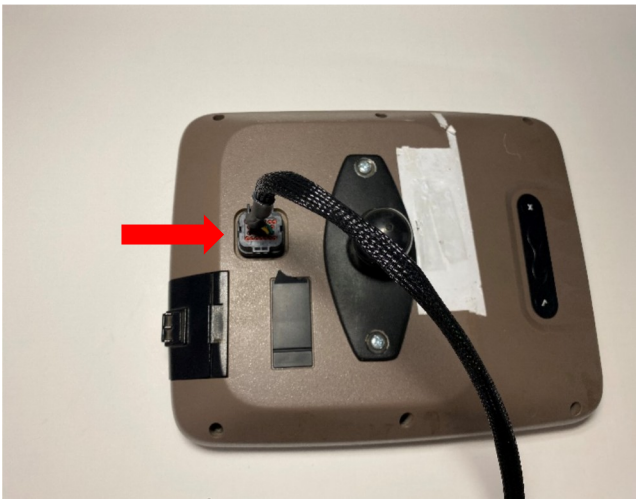


Insert the 3-pin male connector into one of the two 3-pin female power connectors.

Insert the final black female monitor connector into your JD monitor.

Take the final black connector and connect it to your JD Display.

Note: The back of your display may look different but this connector will work for all displays.



Step 3: Mounting the JD Equipment

The John Deere GPS receiver **MUST** be mounted at the front of the cab.



Mount the JD Monitor somewhere sturdy inside the cab and connect it to the AGCO-JD cable.

The JD-display may be mounted many different ways.
You may use the standard JD mounts or a RAM mount.

RAM-270U + 2 * 1.5" balls (RAM-202U) + 4" double socket arm (RAM-201U)

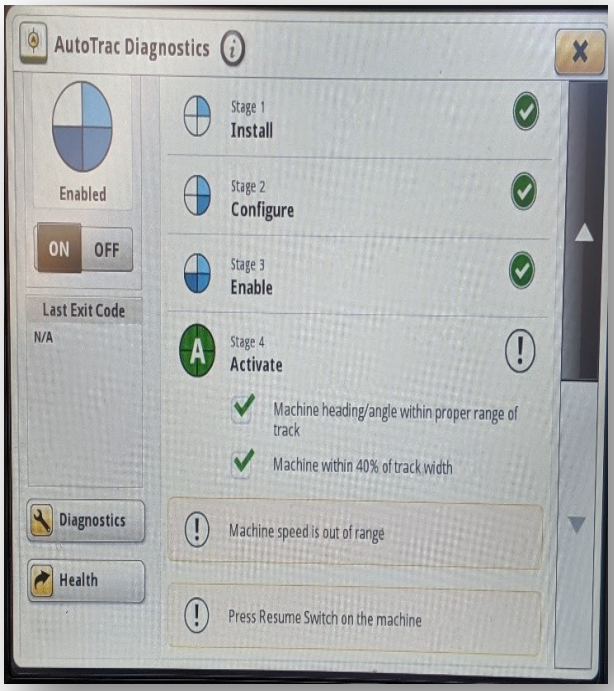
http://www.rammount.com/part/RAM-270U



Step 4: Once the receiver is installed, move on to the Bridge User Manual for instructions on how to access the ISO app

NOTE: If you do not have the Bridge User Manual it can be found at https://www.agragps.com/bridge-user-manual-english/

Operating notes for Agra-GPS AGCO-JD Bridge



For autosteer activation you must follow the "normal" JD steps to be autosteer ready:

- Create an AB-line
- Move from "Steer OFF" to "Steer ON" (3 sections of the guidance ‘pie’) on the JD display.

NOTE: In order to go from “Steer OFF” to “Steer ON” the user must satisfy all guidance requirements for the John Deere monitor. This includes being close to the AB-line.

Your machine must also be in "autosteer ready" mode, which means you must have a field gear selected, drive at a minimum speed and have moved your steering wheel at least once after engine start.

The autosteer is then enabled by pressing the built-in resume button on the throttle control lever.

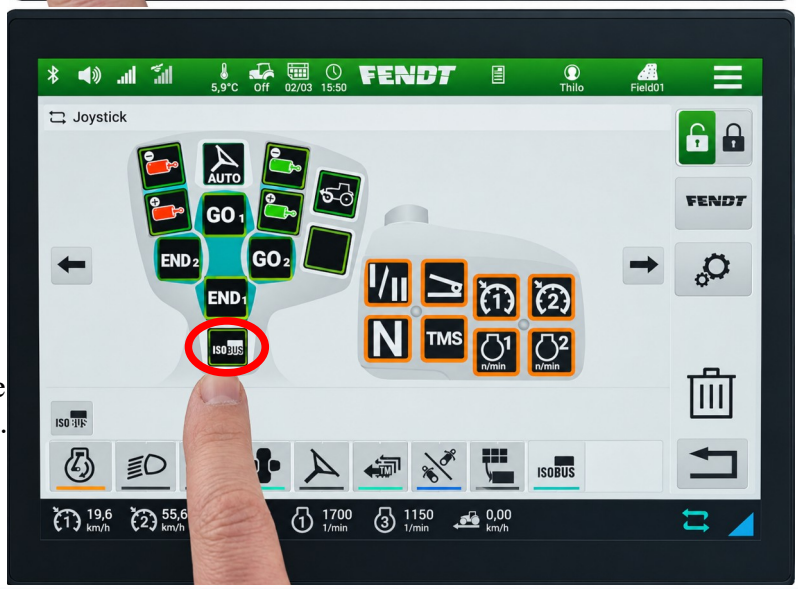
Autosteer settings can be adjusted within the JD display.

Configuring Joystick Controls for Bridge Operation

In order to choose which button on your Fendt joystick you would like to use as the Resume/Engage button follow the steps below.



1. On the Fendt ONE display, navigate to the joystick control settings. Assign the **ISOBUS** function to the joystick button you want to use as your Engage Autosteer/Resume button.



2. On the John Deere display, navigate to the **Applications** tab and select **Controls Setup**. Locate the **Agra-GPS Bridge Engage Autosteer** function and assign the joystick button you configured on the Fendt ONE display.



Note: These same steps can be used to configure joystick buttons for implement control. Once an implement is connected, its functions will appear in a separate Implement Control section below the Agra-GPS Bridge section our AgraGPS bridge section.