

INSTALLATION MANUAL

Agra-GPS CLAAS-JD Bridge for Axion-tractors



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Release Notice

This is the July 2026 release of the CLAAS-JD Bridge Installation Manual.

Disclaimer

While every effort has been made to ensure the accuracy of this document, Agra-GPS Ltd assumes no responsibility for omissions and errors. Nor is any liability assumed for damages resulting from the use of information contained herein. Agra-GPS Ltd shall not be responsible or liable for incidental or consequential damages or a loss of anticipated benefits or profits, work stoppage or loss, or impairment of data arising out of the use, or inability to use, this system or any of its components.

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

Important Safety Information

Read this manual and the operation and safety instructions carefully before installing the CLAAS-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 CLAAS-JD Bridge, observe the following safety measures:

- Be alert and away of surroundings.
- Do not operate the CLAAS-JD Bridge system while under the influence of alcohol or an illegal substance.
- Remain in the operator's position in the machine at all times CLAAS-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the CLAAS-JD Bridge system when a safe working distance has been diminished.
- Ensure the CLAAS-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the CLAAS-JD Bridge system.
- Follow all safety instructions from the CLAAS system as well as the JD system!
- The CLAAS-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 CLAAS-JD Bridge. The CLAAS-JD Bridge is designed to bridge the communication between a CLAAS Axion tractor 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 AB-lines. The current position is determined by a John Deere receiver and all this information is used by the CLAAS-JD Bridge to create steering instructions for the CLAAS tractor. All conditions for autosteer such as minimum speed, steering enabled etc. Must be met by the CLAAS system before the autosteer engage option in the tractor can be activated.

Steering is engaged with the existing "Autosteer" button in the CLAAS tractor. The JD-Monitor must have a valid AB-line and must be in "Steer On" mode.

NOTICE

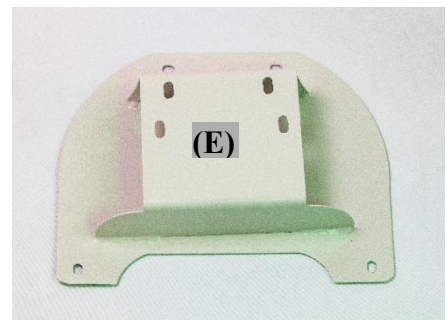
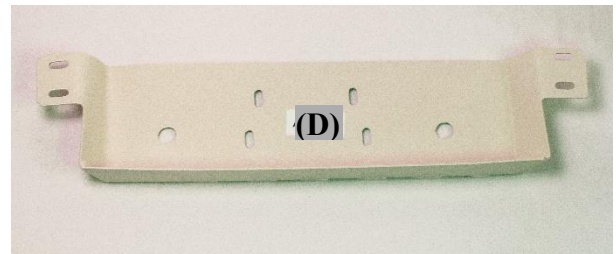
This manual is not intended to replace the manuals for the CLAAS tractor or the John Deere system. The operator must read and understand the manuals and instructions of these systems, before using the CLAAS-JD Bridge.

What's In The Box

The CLAAS-JD-A kit consists of the following items:

- a. CLAAS-JD-A Bridge
- b. CLAAS-JD-A Machine Adapter
(SKU: CLAASJDAMABS2)
- c. JD12 Harness
(SKU: JD12)
- d. (optional) Roof Mount – Front
(SKU: AXION-F-M)
- e. (optional) Roof Mount – Rear
(SKU: AXION-R-M)

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



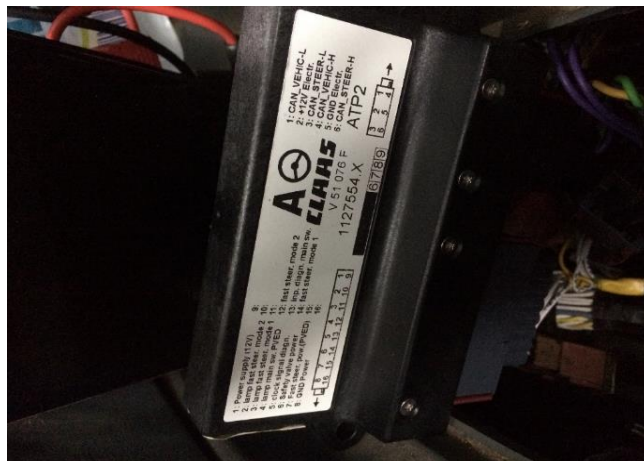
Installation of the CLAAS JD Bridge

Step 1: Installing the Machine Adapter

To the right of the driver seat is a rectangular opening. Remove the cover and locate the ATP Module as pictured.



Remove the screw and pull out the ATP Module.
Then, disconnect the grey 6 Pin connector from
ATP.



Connect the Female 6 Pin Connector of the
Machine Adapter to the ATP Module.



Then connect the grey 6 Pin connector of the
Axion to the male 6 Pin connector of the adapter.



Next, open the rectangle covering with the power and ISO plugs on the right side of the cab. Behind the cover you will find the connectors required for the next step.

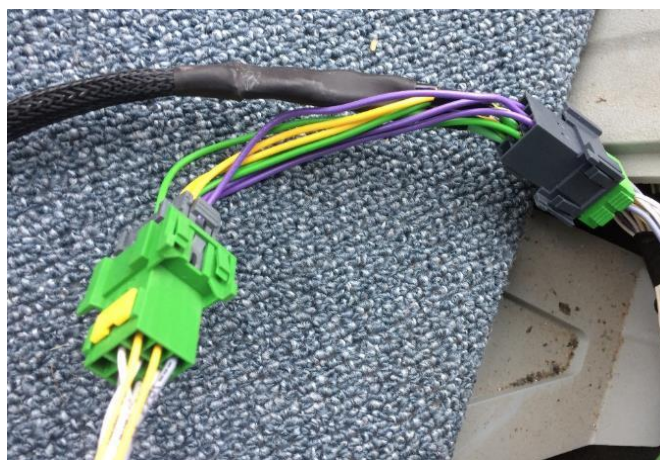


First, locate the two 6-pin green power connectors.

Then, remove one of them and plug in the corresponding 6-pin passthrough of the Machine Adapter.



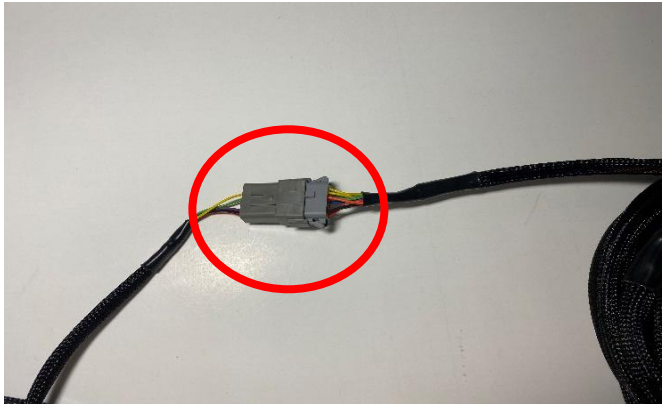
Then disconnect the green 9 Pin connector of the ISO plug, and also connect the corresponding passthrough of the Machine Adapter.



After these connections have been made, plug the 12-pin mini connector on the Machine Adapter into the bridge and mount it in a secure location away from any heat sources within the cab.



The final 12-pin grey adapter will be connected to the JD-12.



Step 2: Mounting the JD Display

The mounts for the JD display are NOT part of the CLAAS-JD Bridge, but can easily be manufactured/ordered in the average shop.

The JD-display may be mounted in many different ways.

You may use the standard JD mounts or a RAM mount. A RAM mount can be purchased from RAM or from Agra-GPS directly.

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

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



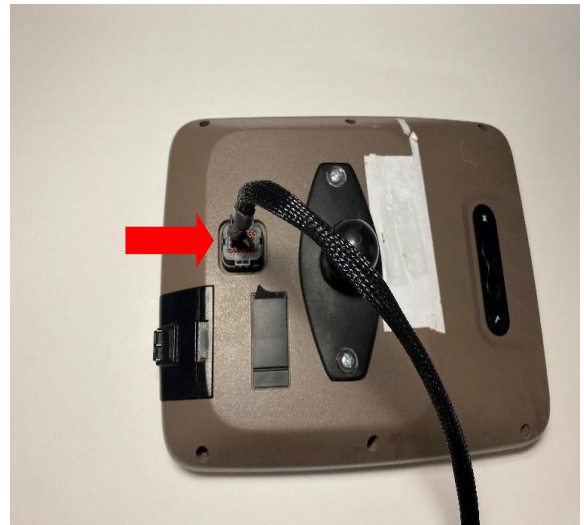
Step 3: Mounting the JD Receiver

The JD Receiver can either be mounted at the front or the back of the cab. You can purchase mounts for both the front and back of the cab directly from Agra-GPS, or create your own mount. Ensure the receiver is securely mounted on the roof before proceeding with the installation.



Step 3: Installing the JD12 Harness

Once the monitor and receiver are mounted, route the black adapter of the JD-12 harness to the monitor and plug it in.



Finally route the 12-pin adapter of the JD-12 to the roof and plug it into the receiver to complete the installation.

Step 4: Once the receiver is installed, move on to the Bridge User Manual for instruction 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/>

**Once the receiver is installed, check the settings for the JD Receiver in the display!
Also make sure you do a TCM calibration.**

The Claas Axion autosteer activation button is located to the back right of the seat. Once the engine is started it must be activated. It will light solid green when the tractor is ready for autosteer. If the tractor was shut-off with this button in the ON position, you will have to toggle it on-off before autosteer is enabled!



For tractors from 2018 with Open Steering Interface (OSI) sure that in the AutoSteer settings of the CEBIS there is "Steering system, make from..." as guiding sensor selected. Depending on your software version, it may also show as "ISO Steering" or "Open Steering Interface":

Important Notice:

It is necessary to calibrate the steering valve and the wheel angle sensor of the tractor with the Claas Diagnostic System (CDS) or with Claas S7/S10 autosteer system. As of mid 2018, an updated CDS tool allows the calibration. So it can be done without a S7 or S10!

