

INSTALLATION MANUAL

Agra-GPS MasseySwather-JD Bridge for Massey 99xx swathers



Version 1.4
June 2026

June 2026

Contact information
Agra-GPS Ltd.
Box 2585
Stony Plain, AB
T7Z 1X9
CANADA
+1 (825) 247-2477
support@agragps.com
www.agra-gps.com

Release Notice

This is the June 2026 release of the MasseySwather-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 MasseySwather-JD Bridge IF YOU DISAGREE WITH THE DISCLAIMER.

Important Safety Information

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

- Be alert and away of surroundings.
- Do not operate the MasseySwather-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 MasseySwather-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the MasseySwather-JD Bridge system when the safe working distance has been diminished.
- Ensure the MasseySwather-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the MasseySwather-JD Bridge system.
- Follow all safety instructions from the MasseySwather system as well as the JD system!
- The MasseySwather-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 MasseySwather-JD Bridge. The MasseySwather-JD Bridge is designed to bridge the communication between a Massey swather (Autoguide 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 used 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 MasseySwather-JD Bridge to create steering instructions for the swather. All conditions for autosteer such as minimum speed, steering enabled etc. must be met by the MasseySwather system before the autosteer engage option in the swather can be activated.

NOTICE

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

What's In The Box

The AGCO-JD-S99 kit consists of the following items:

- A. MasseySwather-JD Bridge
- B. MasseySwather-JD Machine Adapter
(SKU: AGCOJDS99MABS2)
- C. MasseySwather-JD Roof Adapter
(SKU: AGCOJDS99RABS2)



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 MasseySwather-JD Bridge

The MasseySwather-JD Bridge is installed right of the driver seat.

Remove the big plastic cover to the right of the seat. You will see the fuse box and other components below.

This compartment has lots of space to mount your AgraGPS-JD Bridge.



Once the bridge is mounted, connect the mini 12-pin female plug to the bridge.



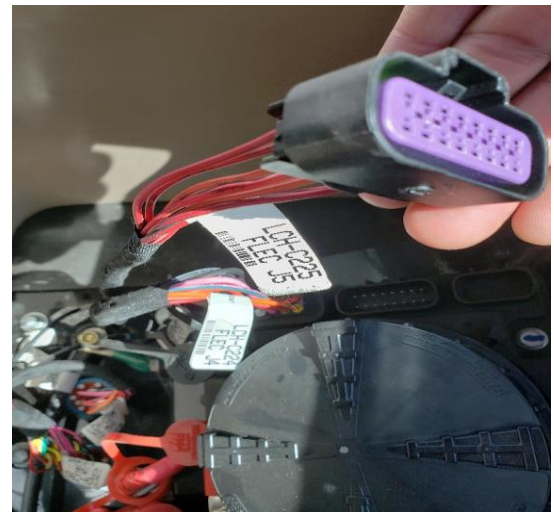
Connect the large round diagnostic port connector to the indicated diagnostic port in the back of the compartment.



Locate the connector LCH-C225 on the forward side of the round fuse box and disconnect it.



Insert the power adapter cable with the single purple wire here. This connector provides switched 12V power to the Bridge and JD components.



On 2022 and newer models there may be a “VD04” steering controller already installed. This controller can be in two locations

One location is next to the fuse panel, to the right of the driver’s seat.

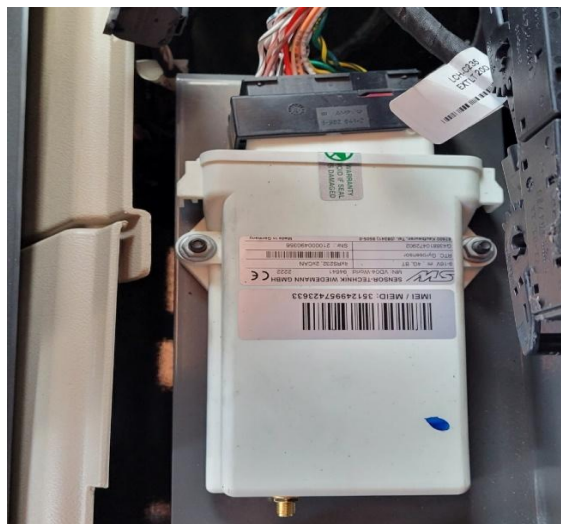


The other location is behind a panel, behind the driver's seat.

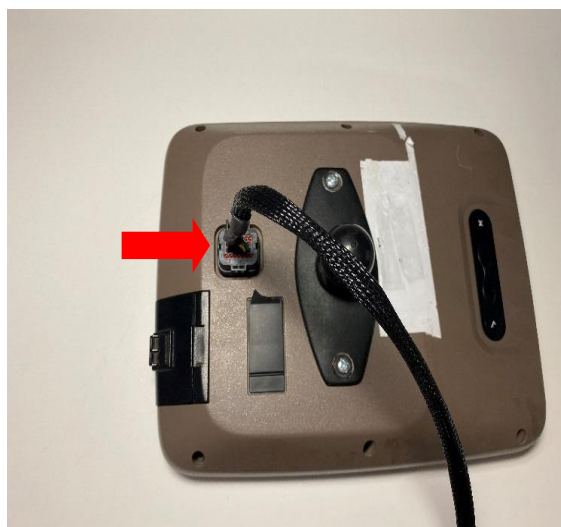


Once the panel has been opened, disconnect the controller.

NOTE: Failure to disconnect the controller will not prevent steering operation, however it will result in poor steering performance.



Finally, plug the black connector into the JD-display.



Step 2: Mounting the JD receiver

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

AGCO, unlike with their 97xx or 98xx swathers, have not provided a suitable mount option at the front of their cab. You would have the option of creating a suitable mount option, or purchasing the Massey Ferguson WR 9900/9296 mount.

(SKU: WR-99-M)



After mounting, use the provided adapter cable to connect the 12-pin Deutsch of the Agra-GPS harness to connect to the receiver, then the opposing round connector to connect to the AGCO provided wire connection at the back of the cab.

NOTE: The picture does NOT show a suitable mount, as the receiver is resting on the plastic roof. The roof material is too thin for a permanent placement of the JD GPS receiver.



Step 3: 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 the AgraGPS -AGCO Swather JD Bridge

While your display and Bridge power up with the key power, the JD GPS receiver does not. Press the button located at the top right side in the cab to power your JD GPS receiver.



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" on the JD display.

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 in your handle. (top center).

Autosteer settings can be tweaked within the JD display.



Step 6: Additional information for MasseySwather-JD Bridge

Important – Currently, the tractor machine type must be selected in the John Deere monitor for proper work recording while using the MasseySwather-JD bridge.

Work recording – To enable work recording, select hydraulic one in the SVC page of the John Deere monitor as the work recording trigger. Then select how the user wants to enable work recording in the Agra-GPS ISO application. 'On Resume' means that work recording will start whenever autotrac guidance is enabled. 'Header' means that the user will select a work recording height in the Agra-GPS ISO application, and work recording will start when the header height goes below that height.

Resume: header must be turned on for engaging to work