

INSTALLATION MANUAL

Agra-GPS Horsch-JD Bridge for the Horsch Leeb sprayer



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Release Notice

This is the April 2025 release of the Horsch-JD Bridge for Horsch Leeb Sprayer Installation Manual.

Disclaimer

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

Important Safety Information

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

- Be alert and away of surroundings.
- Do not operate the Horsch-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 Horsch-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the Horsch-JD Bridge system when a safe working distance has been diminished.
- Ensure the Horsch-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the Horsch-JD Bridge system.
- Follow all safety instructions from the AGCO system as well as the JD system!
- The Horsch-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 Horsch-JD Bridge. The Horsch-JD Bridge is designed to bridge the communication between a Horsch Leeb PT280 sprayer (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 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 Horsch-JD Bridge to create steering instructions for the tractor. All conditions for autosteer such as minimum speed, steering enabled etc. must be met by the Horsch system before the autosteer engage option in the tractor can be activated.

NOTICE

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

What's In The Box

In your order you should receive the following items:

- a. Horsch-JD Harness Kit
- b. Horsch-JD Bridge

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

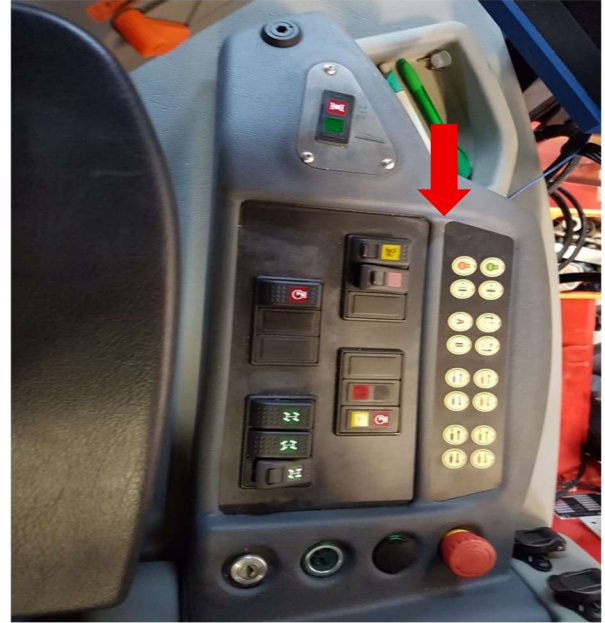


Installation of the Horsch-JD Bridge

Step 1: Mounting the Horsch-JD Bridge

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

The plastic cover with the buttons can be lifted up. You also want to open the side panel, accessible when the side door is opened.



Access through side panel.



The Horsch-JD bridge may be installed in the slide just before the side access panel.

Remove the 2 * 13 mm bolts and slide the panel out.



Connect the mini 12-pin Deutsch connector to the bridge. Then bolt the Agra-GPS Horsch-JD Bridge with the cabling towards the bottom on the panel and slide it back in.



Next, connect the 31-pin circular connector to its port.

Step 2: Mounting the JD Display

The mounts for the JD display are NOT part of the Horsch-JD Bridge, however they can either be ordered as an optional item from AgraGPS or directly from RAM.

The JD-display may be mounted many different ways.

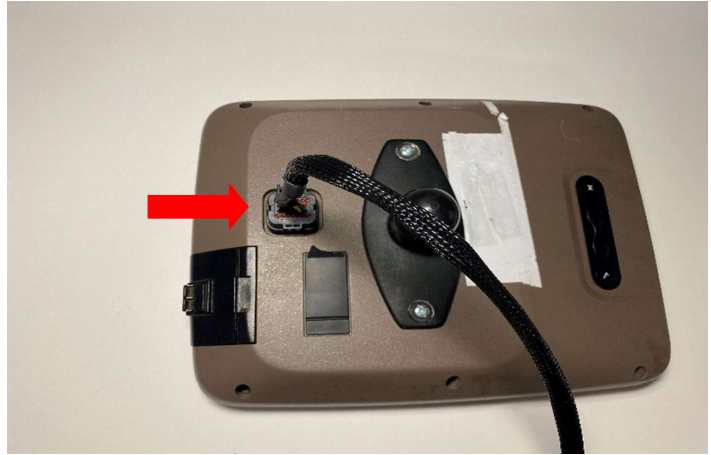
You may use the standard JD mounts or a RAM mount. RAM-270U + 2 * 1.5" balls (RAM-202U) + 4" double socket arm (RAM-201U)

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

Here the 2630 was mounted above a Mueller ISO terminal.



Once the JD-display is mounted route the black connector of the adapter to the monitor and connect it.



Step 3: Mounting the JD Receiver

The Horsch-JD Bridge does NOT include a standard JD-receiver bracket, however the sprayer has a mount point right behind the cab.

When the receiver is mounted use the adapter supplied by Horsch to connect the receiver to the machine.



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/>