

INSTALLATION MANUAL

Agra-GPS Krone-JD Bridge



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Release Notice

This is the December 2018 release (Revision A) of the Krone-JD Bridge Installation Manual.

Disclaimer

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

Important Safety Information

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

- Be alert and aware of surroundings.
- Do not operate the Krone-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 when the Krone-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the Krone-JD Bridge system when a safe working distance has been diminished.
- Ensure the Krone-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the Krone-JD Bridge system.
- Follow all safety instructions from Krone as well as the John Deere.
- The Krone-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 Krone-JD Bridge. The Krone-JD Bridge is designed to bridge the communication between a Krone machine (autosteer ready) and a John Deere display (1800, 2600, 2630, or 4640). This allows a JD display to create maps in the John Deere format and also provides straight AB-Line, curve, or circletrack 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 Krone-JD Bridge to create steering instructions for the machine. All conditions for autosteer such as minimum speed, steering enabled etc. Must be met by the Krone machine system before the autosteer engage option in the machine can be activated.

NOTICE

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

Installation of the Krone-JD Bridge

Step 1: Mounting the Krone-JD Bridge

The Krone-JD Bridge is connected to the incab ISO connector. It can be mounted anywhere near this connector. For firmware updates the front plate must be removed, please keep this in mind when selecting a mounting location.



Step 2: Mounting the JD Display

The mounts for the JD display are NOT part of the Krone-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>

The picture to the right shows potential mount locations.



Step 3: Mounting the JD Receiver

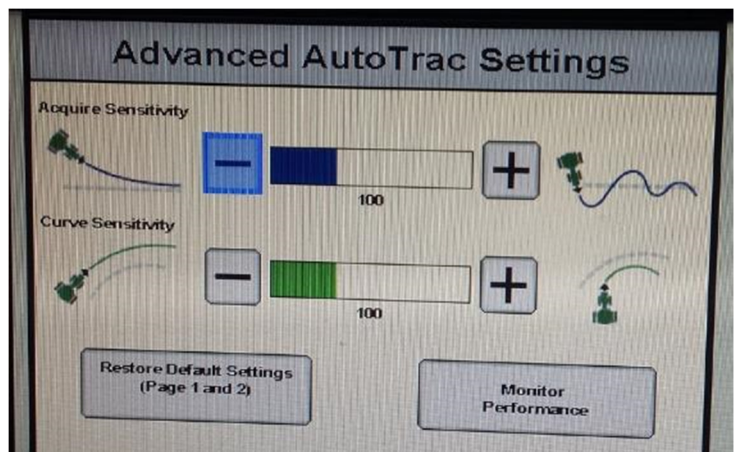
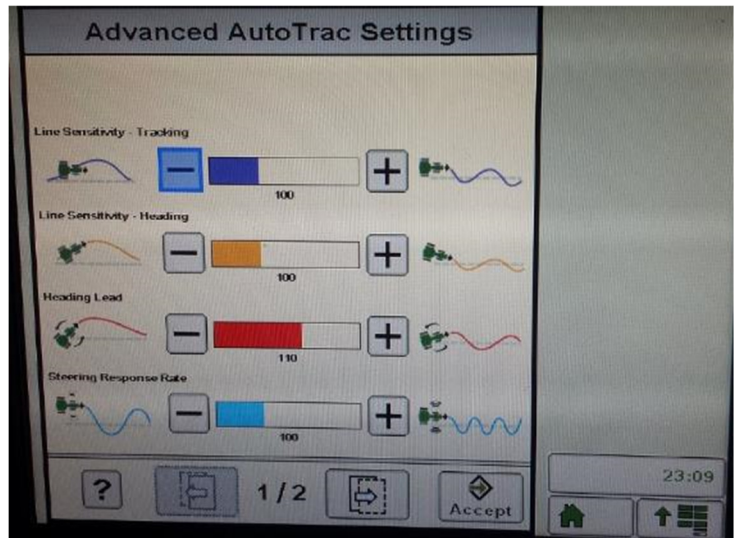
The Krone-JD Bridge does NOT include a standard JD-receiver bracket

You either want to create a mount which is centered left-right on the cab roof and as far forward as possible.



Step 4: Adjusting steering

Using the JD display you may adjust your steering performance. Most machines will perform optimally with all JD settings at 100. If a change is required, find an open area where you can travel at target speed and adjust one parameter at a time until you are satisfied with the steering performance.



Step 5: Additional information for Krone-JD Bridge

- The Krone-JD bridge will automatically disengage above 13.5 mph (21.7 kmh). This is due to limitations of the autosteer system set by the machine.
- You must be in field mode for the Krone machine to accept any steering commands!

