

Leica mojo3D: Direct Section Control Hardi HC5500 & HC6500 Installation Guide

Version 1.1
English

- when it has to be **right**



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Introduction

This manual contains instructions for installing and setting up the product to operate with a Leica mojo3D. Read carefully though this manual before starting the installation. When this product is used with the Leica mojo3D it is mandatory to observe the safety directions and instructions contained in the corresponding user manual.

Compatibility

Equipment:	Hardi HC5500 (Min V3.16) with optional Jobcom (Min V2.22) Hardi HC6500 (Min V1.30) with Jobcom (Min V1.22)
Cable Article Number:	776786 Cable, serial crossover, DB9F-F
Max number of sections:	13
Master Switch Detection:	No

Software settings summary

Auth Code:	Direct Section Control unlocked
Section Controller:	Hardi HC5500 or Hardi HC6500 (to match controller model)
Implement Mode:	Sprayer Mode
Master Input Source:	mojo3D
Input Mode:	Touch

**Controller operation
summary**

Master switch:	On
All section switches:	On

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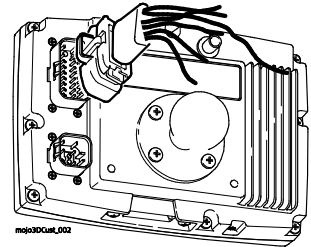
Installation

Before starting installation

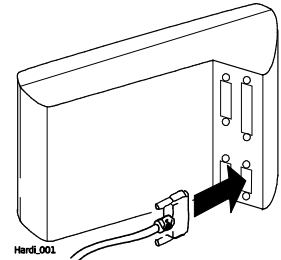
Before starting the installation check that the equipment, section switches and rate control, is functioning as intended.

Connect data cable

1. Install the Leica mojo3D Port Expansion Cable by connecting it to the mojo3D.



2. Connect the data cable to the grey/white serial port on the mojo3D Port Expansion Cable.
3. Connect the data cable to COM2 on the Hardi controller.



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Software Configuration


Software configuration, step-by-step

1. On the main navigation screen, tap the settings button.




2. On the flyout menu, tap the **Vehicle Setup** button.




3. Tap  until the Section Controller / Implement mode screen is displayed.

4. Tap **Hardi HC5500** or **Hardi HC6500**, to select it as the section controller.

5. Tap **Sprayer Mode**, to select it as the implement mode; then tap  to continue.

6. Tap **mojo3D** and **Touch** to configure the mojo3D turn on/off by touching the screen.

7. Tap  to continue until the wizard is complete.



The number of sections and section widths on the mojo3D will automatically be updated from the information on the Hardi controller. Changes to the number of sections or section widths must be made on the Hardi controller.



After connecting a new section control cable it is important that the following settings are checked:

- Latency on and off

Refer to the Leica mojo3D user manual for instructions on configuring calculating and updating the latency values.


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Controller Configuration

Controller settings step-by-step

1. Press and hold the ESC button and switch the power on. Wait until the controller starts with the Extended menu displayed.
2. Navigate to menu E.4 Data Exchange and check the following settings are configured:
 - E.4.1.1 COM1 setup equipment type: Printer & dump
 - E.4.2.1 COM2 setup equipment type: VRA/Remote
 - E.4.2.2 COM2 setup baud rate: 9600
 - E.4.2.3 COM2 setup protocol select: Hardi VRA proto.
3. Turn the controller off to exit the Extended menu. Turn the controller on normally to access the Main menu.
4. Navigate to menu 2.3 Setup and check the following setting is configured:
 - 2.3 VRA/Remote: enable



The  symbol will be displayed in the top left corner of the screen when VRA/Remote is enabled.

Operation with the controller

For section control to operate the switches on the controller must be as follows:

- Master On
 - All sections On
-



Turning a controller section switch off will override the section control and force the implement section to be off. The section control software may continue to record coverage during this situation.

5 **General Troubleshooting**

Troubleshooting

The mojo3D master status does not change when the master switch is turned on and off on the controller.

The mojo3D cannot sense the master status from the controller. The master on the mojo3D must be turned on/off by tapping on the screen.

One or more sections are not automatically controlled.

Check the section override is not active by tapping on the blue bar shown at the bottom of the screen when the master is on.

Check the switches on the controller are in the correct orientation to allow automatic section control.

Controller shows Jobcom not responding

The controller does not have a Jobcom connected, or it is not setup.

Section control operates intermittently

Check the software on the controller and Jobcom are the minimum version or newer.

Check E.4.1.1 COM1 setup equipment type is not set to VRA/Remote

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