

This document provides guidance on supported John Deere displays and the installation and connection process



## *Supported displays:*

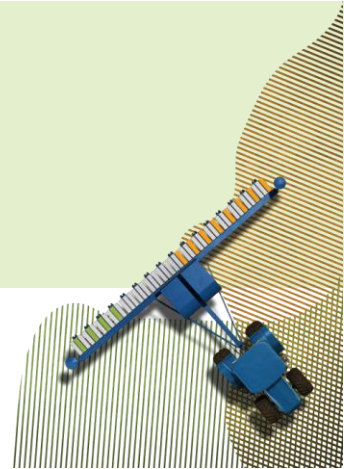
- The following displays have been connected to SmartBox+ systems and successfully used for field operation:
  - GreenStar 4 display series
    - 4200 Command Center (armrest display)
    - 4240 Universal display
    - 4600 Command Center (armrest display)
    - 4640 universal display
  - GreenStar 3 – 2630
    - Supported up to 24 rows
      - Note: We have not tested a system larger than 24 rows. **Proceed with caution.**

## *Unknown displays:*

- G5 Universal
  - This is the newest display from John Deere at this point we haven't been able to test a SmartBox+ system with the G5 display.
  - This display falls into the category 'it should work', due to the G5 being ISO compatible. However, we are reluctant to add this display to the supported list until we have successfully used it in a field environment

## *Unsupported displays:*

- The following displays are older generations, these have not been tested and may or may not work.
  - GreenStar 2 – 2600/1800
  - All displays older than Greenstar 2



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### **Display unlocks**

The supported John Deere displays won't need an unlock to form a basic connection to the SmartBox+ system.

In cases where there is a desire to use section control to automatically turn off SmartBox+ rows, an unlock must be purchased.

The details of each unlock differ slightly depending upon the display. See the table below.

Contact the John Deere dealer for final details and pricing on the specific unlocks required for the display.

Display Unlocks	
Display	Required Unlock
GreenStar 3 - 2630	Section Control Unlock
GreenStar 4 – 4200/4600	Premium Unlock
GreenStar 4 – 4240/4640	Premium Subscription

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### **Harnessing**

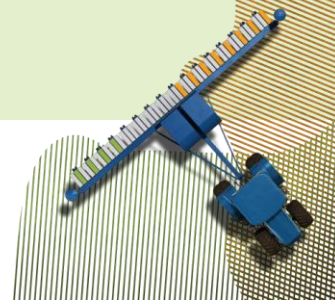
When using the SmartBox+ system with a John Deere display, it is likely that the ISO connector at the back of the tractor cab is already in use.

If this is the case, an additional ISO Splitter harness is required.

This harness must be purchased from the service provider AgExpress. See details in the table below.

ISO Splitter cable	
Part Number	Description
AE2738Y	9-Pin ISOBUS Y Cable

The ISO Splitter Cable listed above can be purchased through AgExpress Electronics at the following website: <https://www.agexpress.com/>



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## **Connection and Setup**

In the case where the ISO connector at the back of the tractor is available, the SmartBox+ system can be connected straight into the ISO connector and the system can be powered and operated.

**In the case where the ISO connector is already in use, the ISO splitter harness must be used.** This harness connects to the tractor ISO connector on one end and provides two ISO connectors on the other end. Once connected the SmartBox+ system can be connected simultaneously with the existing ISO system.



Image Source: [www.agexpress.com](http://www.agexpress.com)

## **Potential Issue and Workaround**

In some cases, when using the ISO splitter, and the John Deere planter is connected to the same splitter, a set of errors related to the planter appear on the display at power up.

This issue started occurring on displays with software loaded in early 2024.

### *Workaround*

**To eliminate the start-up errors, the user must disconnect the SmartBox+ system from the ISO splitter harness before starting the system.**

Once the system is started and fully loaded, the user can then connect the SmartBox+ system, and the errors will no longer appear.