



# Introduction to: SmartBox<sup>®</sup> + Installation



This document introduces the SmartBox+ system installation process. For more complete details, please visit: [SIMPAS.com/resources](http://SIMPAS.com/resources)

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## Installation:

The installation process for the SmartBox+ system can be completed in the following steps:

1. Bracket
2. Cradle and Base Unit
3. Meter
4. Furrow Tube
5. ECU
6. Harnessing – power
7. Harnessing – communication
8. Display harnessing and cab installation (if required)

### 1 Bracket

- The brackets bolt directly onto the row unit, using supplied hardware.
- On planters with Central Fill, the ladder brackets will bolt onto the central fill ladder or platform.

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### 2 Cradle, Base Unit and Quick-Attach latch

- The cradle bolts to the bracket and supplies the mount for the Base Unit.
- Before installing the base unit, the meter quick-attach assembly will be installed onto the bottom side of the base unit.

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### 3 Meter

- The Meter attaches to the bottom of the base unit. The ISO VT (virtual terminal) display is used to control the system.
- The quick attach cone is mounted to the meter before installation

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### 4 Furrow tube

- The furrow tube runs from the bottom of the meter down to the furrow.
- It is critical to ensure that the tube remains as vertical as possible, to ensure product flow.

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### 5 ECU (Electronic Control Unit)

- The ECU will mount directly onto the planter tool bar, at about row 5-8 depending upon the size of the planter.

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### 6 POWER Harnessing

- The power harness begins at the tractor battery, runs out onto the planter tool bar and terminates at 1-2 locations on the tool bar using a tee harness as a splitter.
- It is recommended that the power harness is installed onto the power disconnect on the tractor, to ensure the system is fully powered down when the disconnect is off.

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### 7 COMMUNICATION Harnessing

- The communication harness starts at the ECU and runs to row 1 initially.
- Starting at row 1, the communication harness forms a daisy chain along the rest of the planter.

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### 8 Display – harnessing and cab installation

- When a PLANTER display is being used, display harness installation is NOT REQUIRED (other than simply connecting to the ISO connector).
- When an aftermarket display is being used, the display harness must be installed, following manufacturers guidance

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