



**PTx**  
Trimble

# SIMPLIFY YOUR OPERATION WITH **ISOBUS**

Streamline your equipment, reduce input costs and maximize precision and efficiency with PTx Trimble ISOBUS Solutions.



# WHAT IS ISOBUS?



As a farmer, you likely use a mix of precision ag solutions on your farm. While they all work toward the same goal, they often lack the ability to communicate with one another, which creates unnecessary challenges like lost time, frustration and added costs. **That's where ISOBUS comes in.**

**For years, farmers have struggled with incomplete or unreliable compatibility between their equipment, preventing them from getting the full value out of their investments.**

With PTx Trimble, you unlock the full potential of ISOBUS:

- Less time spent troubleshooting.
- Fewer monitors cluttering your cab.
- More time focused on getting the job done.

ISOBUS is an industry-standard protocol that enables your equipment to “speak the same language” between implements and displays, regardless of brand. More than just compatibility—it allows your equipment to perform with greater precision.

With ISOBUS, the settings and configurations are stored directly on the implement via an Electronic Control Unit (ECU). When you connect the implement to any ISOBUS-compatible display, it automatically transfers the implement-specific settings for plug-and-play functionality.

Whether you're planting, seeding, spraying, spreading or slurring, ISOBUS gives you the power to manage your entire fleet with one universal system, gaining a new level of precise control.





# PTx TRIMBLE ISOBUS CONTROL SOLUTIONS

## Our solutions offer:

### Compatibility

across implements, displays and brands.

### Flexible retrofitting options

to upgrade older equipment without replacing it.

### Plug-and-play functionality

for faster, easier setup.

### Advanced precision control

for managing flow rates, pressure, section control and more.





# USE ISOBUS TO SOLVE THESE COMMON CHALLENGES

## Challenge

Managing mixed-brand fleets that don't "talk" to each other.

## Solution

### Compatibility across brands

- ISOBUS acts as a universal language that allows any brand equipment to communicate seamlessly.
- With ISOBUS, all implements can be controlled through a single, user-friendly universal terminal on virtually any display.

## Challenge

High cost of replacing equipment for compatibility.

## Solution

### Cost savings through retrofitting

- Instead of investing in new machinery, ISOBUS can be retrofitted to older equipment, like existing planters, sprayers and spreaders, giving them the precision functionality of new equipment—without the cost.



## Challenge

Inefficiency caused by managing multiple monitors and systems.

## Solution

### Simplified operations

- With ISOBUS, everything operates through one interface, so there's no need for multiple monitors. This allows you to monitor and control multiple implements, and make real-time changes, all from one display.
- You can control seed placement, monitor fertilizer rates and adjust section control settings, all without taking your attention away from driving or other field tasks.

## Challenge

Inconsistent application due to overlap and gaps in field coverage.

## Solution

### Better precision farming with input control

- ISOBUS helps eliminate overlap through section control functionality, ensuring inputs are only applied where needed.
- This saves you money and ensures precise coverage across every field pass.

## Take advantage of ISOBUS technology to:

- **Save time** with simplified operations.
- **Save money** by extending the life of older equipment.
- **Increase precision** to get the most out of every input and acre.





# WHY FARMERS SHOULD CONSIDER ISOBUS

## 01

### Increase Equipment Longevity

**Extend the life of older equipment with ISOBUS retrofitting.**

You don't have to part with your trusted equipment just to keep up with new technology. ISOBUS retrofits allow older implements to connect seamlessly to ISOBUS-compatible systems to ensure your equipment remains productive.

## 04

### Boost ROI

**Save money by optimizing what you already own.**

It's hard to justify expensive upgrades when your current equipment still works. ISOBUS allows you to upgrade your existing equipment, which means significant cost savings. Not to mention, you'll save money on inputs by reducing overlap and increasing precision in your fieldwork.

## 02

### Scalability

**ISOBUS systems adapt as your operation changes and technology advances.**

Your farming operation will grow and change over time. ISOBUS can be used for a variety of applications, and different types of equipment. It also provides flexibility based on operation experience and can be utilized for as much or as little as the user is comfortable with.

## 03

### Ease of Use

**Unified control through a single display reduces operator learning curves.**

Managing multiple monitors and operating systems is time-consuming. ISOBUS simplifies operations through a single display so that you can operate all your implements—regardless of brand.



# ISOBUS SOLUTIONS



With PTx Trimble ISOBUS solutions, you can make your equipment smarter, more efficient and fully compatible across mixed-brand fleets.

## Seeder/Planter

### PTx Trimble Field-IQ™ ISOBUS Seeder/Planter Control System

Control seed and fertilizer application.

- Monitor seed and fertilizer for consistent application.
- Reduce input costs by eliminating overlap.
- Improve yield by ensuring even seed and nutrient distribution.



## Spreader

### PTx Trimble Field-IQ™ ISOBUS Spreader

Monitor and control applications for optimized equipment performance.

- Control spreader and dry manure application rates.
- Monitor current bin contents.
- Gain valve control at defined speeds.

## Sprayer/Liquid

### PTx Trimble Field-IQ™ ISOBUS Advanced Sprayer Control System

Streamline rate, section, frame and boom control for improved spraying precision.

- Control rate and adjust boom sections to prevent overlap and gaps.
- Reduce input costs by applying the exact amount of product needed.
- Customize inputs and outputs to match the operator's preferences and the sprayer's characteristics.

### PTx Trimble Field-IQ™ ISOBUS Liquid Control System

Optimize liquid applications for fertilizer, herbicides or manure.

- Control application rates, including NH<sub>3</sub>.
- Enhance product placement accuracy.
- Minimize waste and environmental impact.



## Slurry

### PTx Trimble Field-IQ™ ISOBUS Slurry Control System

Manage slurry applications for various mounted implements with efficiency and precision.

- Control up to 18 sections at a time.
- Operate various filling arms, including front, top and side options.
- Monitor application rates in the cab.



## Weather Station

### PTx Trimble Field-IQ™ ISOBUS Weather Station

Make informed decisions with field-specific, real-time weather data.

- Track temperature, wind speed and other key metrics.
- Optimize application timing with data.



## Orchard/Vineyard

### Field-IQ™ ISOBUS Orchard/Vineyard Sprayer Control System

Maximize the efficiency of specialized spraying equipment with precise flow rate, pressure and section control.

- Prevent over-spraying with intelligent gap detection and headland shutoff.
- Automate repetitive functions like boom folding and unfolding or end-of-row spraying.

## Accessories

### Field-IQ™ ISOBUS Aux-N Switch Boxes

Enhance operator convenience with physical application switches to safely and quickly control a range of field operations.

- Find configurable switch box options for each implement connection.
- Operators can easily control specific implement functions from the cab.

### ISOBUS Blockage Sensor System

Monitor and measure material flow in a variety of implements.

- Sensors detect and alert of blockage or flow interruptions, ensuring even seed or fertilizer distribution.
- Adaptations for any hose diameter to support various materials, from large seeds to micropellets.
- No cleaning or maintenance is required thanks to durable and dirt-resistant design.



## Crop Protection

### WeedSeeker® 2 Spot Spray System

Save money on herbicides with targeted, spot-spray technology.

- Detect and spray only weeds to reduce herbicide use by up to 90%.
- Improve overall weed control by targeting small and hard-to-spot weeds.
- Cameras operate effectively in various field conditions, including fallow ground or low-light conditions.



## Farming today demands precision.

ISOBUS technology is the key to streamlining your operation, maximizing the value of your equipment and preparing your farm for the future.

- **Extend the life of your existing equipment** through retrofitting.
- **Operate mixed-brand fleets** seamlessly with true ISO compatibility.
- **Save time and money** with precision application.
- **Automate tasks** to boost productivity.



### Ready to Get Started?

Visit our [website](#) to learn more about ISOBUS and explore the full range of product solutions. Contact your [local dealer](#) for more information on upgrading your operation with ISOBUS.