



ISOBUS Suite Software

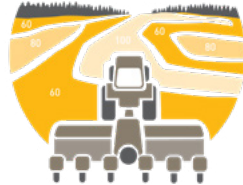
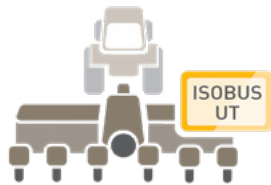
Applications for Pro Display



ENGINEERING YOUR SUCCESS.

ISOBUS Suite apps

Dynamic and easy way to control ISOBUS devices in agricultural machines.



ISOBUS universal terminal (UT)

ISOBUS UT is a user interface for ISOBUS-compatible implementations (ISO 11783-6). ISOBUS UT controls the implement and visualizes the implement's data.

It is a standard way to display graphic objects and incorporate user inputs and outputs.

ISOBUS task controller (TC)

With ISOBUS TC, the display can perform accurate variable-rate control and documentation of actual data values.

ISOBUS TC functions as a link between FMIS (Farm Management Information System) software and implement controls on the vehicle, managing an ISOBUS task from FMIS and issuing accurate documentation of completed work and other relevant data.

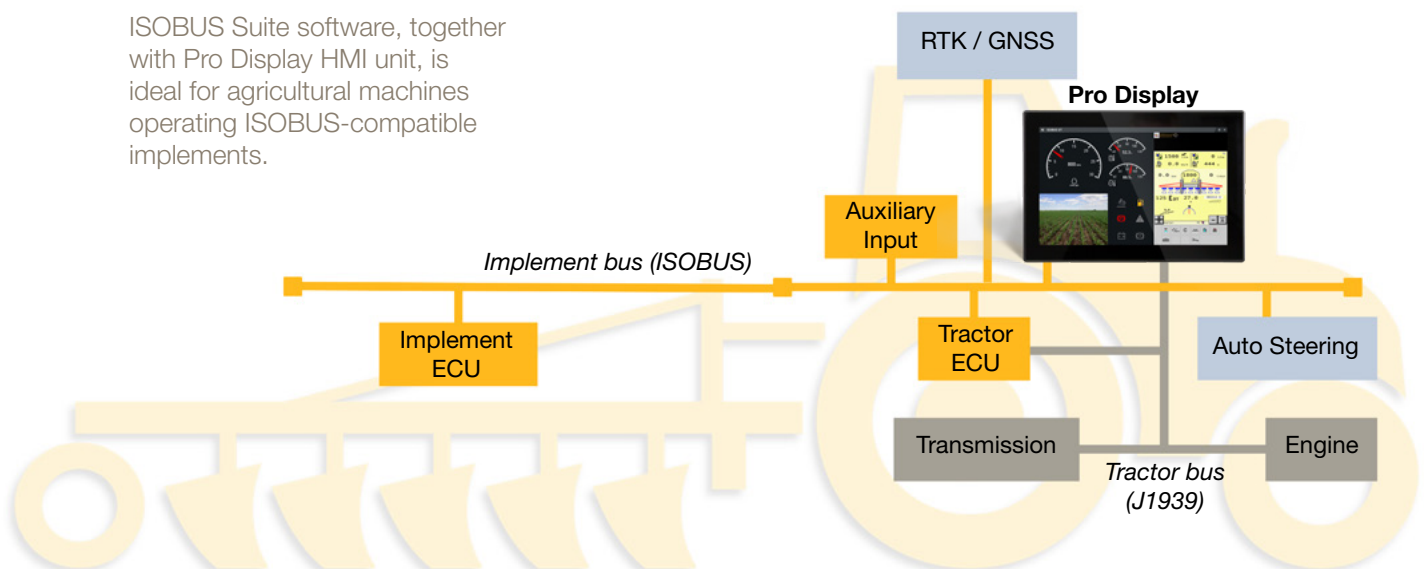
The major benefit for users is that farming becomes more precise and effective, while costs and time are reduced.

File server (FS)

The file server for the ISOBUS network facilitates easy data transfer. All data in the ISOBUS network can be stored in one place, also simplifying backup and restore functions. ISOBUS data from machine to farm office can be transferred easily via USB stick.

If necessary, the implement controller software can also be updated using the file server.

ISOBUS Suite software, together with Pro Display HMI unit, is ideal for agricultural machines operating ISOBUS-compatible implements.

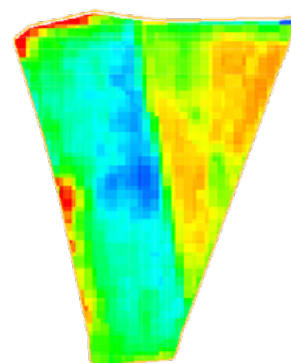




Meet the demands of modern precision farming

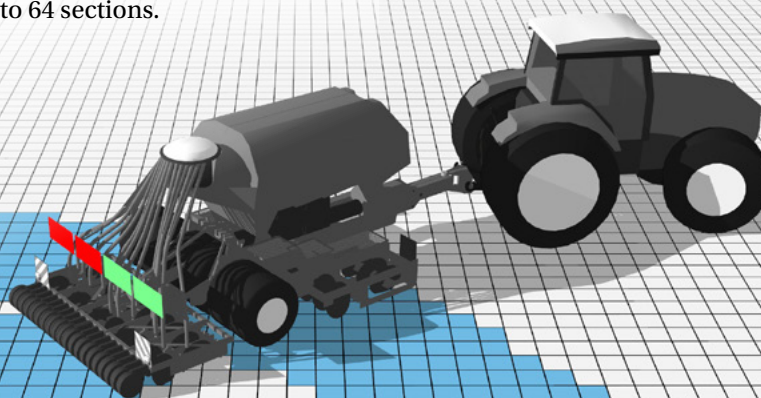
Conditions in the field may vary depending on different soil types. Thus, it is important that the output rate for fertilizer and seed can be managed.

ISOBUS TC can gather geo-referenced data using GPS. Location-based tasks can be planned by means of variable rate maps. Variable rate control can utilize vegetation growth map data captured by satellites and drones, or crop yield map data captured from the previous season by harvesters.



More efficient use of resources

The use of GPS also offers another type of functionality known as section control. During operations such as spraying, seeding or fertilizer spreading, farmers can avoid distributing the product twice in the same place by automatically closing sections of the implement in areas where application has already occurred and at headlands. Parker's ISOBUS TC can control up to 64 sections.

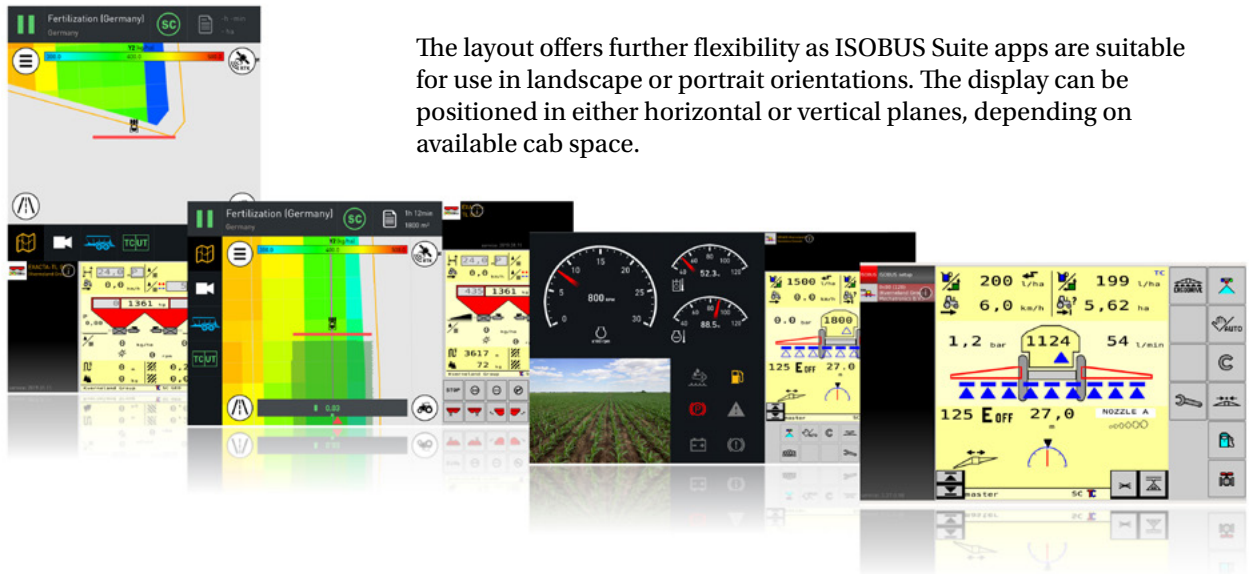


Easy scalability brings flexibility

Intelligent ISOBUS apps are scalable and can adapt their functions to the available space.

Such flexibility allows the display of ISOBUS apps in full screen, or as two different applications shown simultaneously. If required, the dynamic ISOBUS Suite can be integrated with other HMI applications from the OEM.

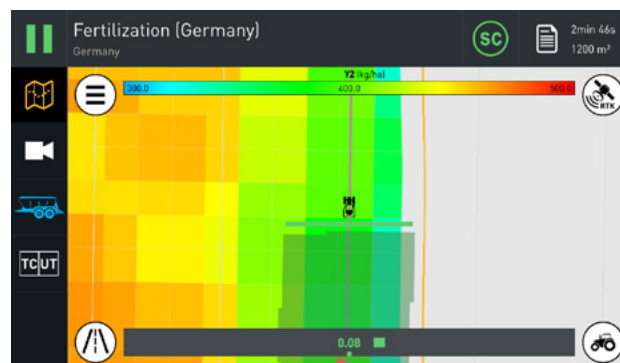
The layout offers further flexibility as ISOBUS Suite apps are suitable for use in landscape or portrait orientations. The display can be positioned in either horizontal or vertical planes, depending on available cab space.



Optimized accuracy

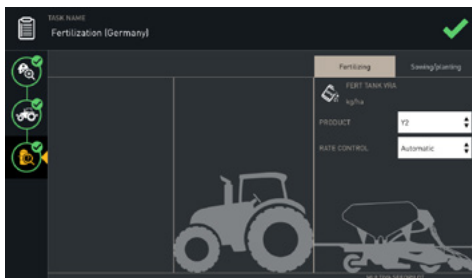
One of the valuable features of Parker's ISOBUS TC is **Steering Guidance**, which allows work accuracy to be even further increased, up to a few centimetres. Steering correction information is visually shown on the screen.

Accurate steering guidance is necessary especially when fertilizing and protecting plants. It saves time, avoids overlapping driving, and application of the product does not depend on visual perception.



Maximized visualization makes things simple

Parker's ISOBUS TC features an easy-to-use interface that provides an intuitive and simple way to configure even the most complex multi-function implements.



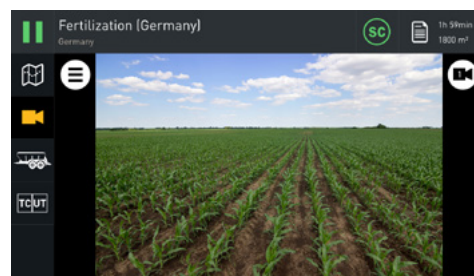
Features such as clear product assignment and drag-and-drop functionality for the device layout make it easy to use for every user, even when the implement has several functions, such as seeding and fertilizing.



Information for each connected device can be accessed quickly from the main screen. This page has all the device information and clear visualization of device geometry including section states.



The map view is very convenient with two different view options: field view and tractor view. It provides an easy setup for map content with map layers including guidance lines, coverage maps and variable rate maps.



ISOBUS TC has an integrated camera view. The rear camera view can be configured to be automatically shown when reversing.





Pro Display – Vehicle's main interface

Parker ISOBUS Suite apps are available for Pro Display 10-inch and 12-inch screen sizes.

Loaded with ISOBUS Suite apps, the Pro Display HMI unit represents a single terminal solution for operating different implements that comply with the ISO 11783 ISOBUS standard. As there is no need for a separate ISOBUS terminal in the cabin, total cost and space requirements are reduced accordingly.



Due to flexible solution, ISOBUS Suite can be easily integrated with other essential machine HMI functions, such as instrumentation and rear view camera.

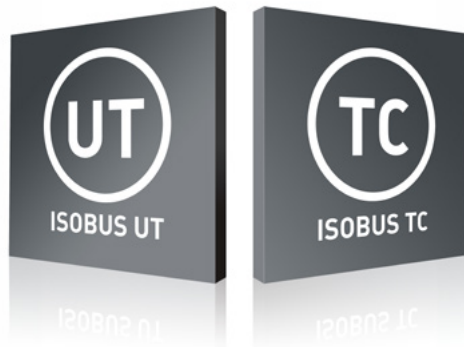
Develop perfect HMI

With Pro Display, OEMs can deploy customized HMI functions, such as machine functionality, work management, diagnostics, data monitoring and visualization, as well as infotainment and entertainment – all integrated into a central HMI display.

Apps-based platform (UXP) enables separation of system functionality into own apps and independent app development, as well as integration of 3rd party software.


Parker's UX Toolkit programming tool for Pro Display allows quick and easy development of machine HMI apps.

Available products



Ordering part numbers	
Item	Part number
ISOBUS Suite, software	ISOBUSLIC

Other Parker items for Pro Display family	
Item	Catalog ref. number
Pro Display, display modules	MSG17-4015/UK
Pro Display 10 ISOBUS	MSG17-4021/UK
UX Toolkit, software development environment	HY33-4812/UK



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