



FJD AG1 Guidance System

FJD AG1

The FJD AG1 Guidance System offers modular precision agriculture solutions from basic steering guidance to advanced ISOBUS implement control. With free decimeter-level positioning precision, the AG1 is your quick gateway to smart farming. Whether you are seeking an entry-level configuration or a full-featured system, the AG1 opens up new flexibilities in your agricultural technology investments.



Modular Design



ISOBUS



Wireless Connectivity



Easy Installation



FMS Support



Upgradable to Autosteering



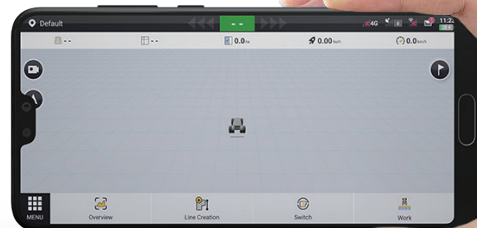
Implement Retrofit



Vehicle Data Monitoring

AIRGUIDE APP YOUR FIELD, YOUR SCREEN, YOUR CONTROL

- **Easy Setup:** Turn your Android tablet/phone into a precision farming tool—no extra screens.
- **User-Friendly:** Use your own device to get started easily and conveniently
- **Compatible:** Fit into many tractors and implements, with no major upgrades needed.
- **Integrated:** Syncs with farm management systems to show field maps and task progress.



AG1 STANDARD

Designed for beginners in precision agriculture, the AG1 Standard supports wireless connection with GNSS receiver and display via Wi-Fi, helping you quickly start your smart farming journey with confidence and ease.

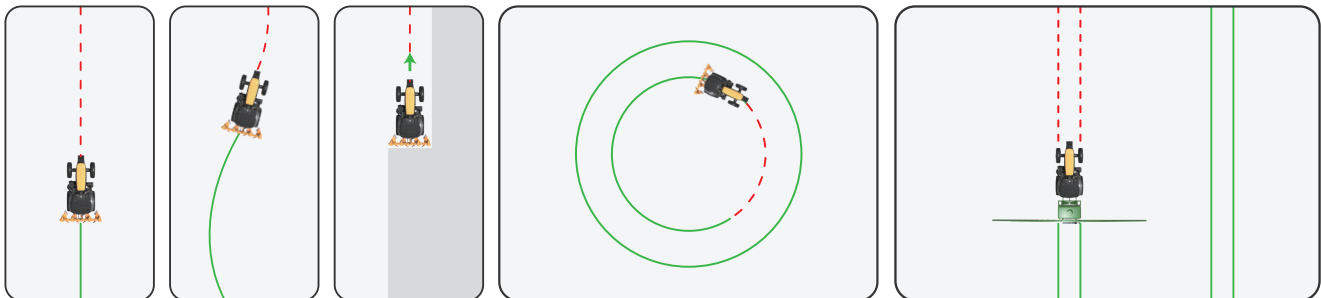
Multiple Accuracy Solutions

Featuring multi-source satellite signals from RTK, PPP, and SBAS, the AGI Standard offers autonomous positioning accuracy from decimeters to up to 2.5cm at no cost. Powered by built-in algorithms, the system works independently with a sub-meter positioning accuracy even in signal-challenging areas.



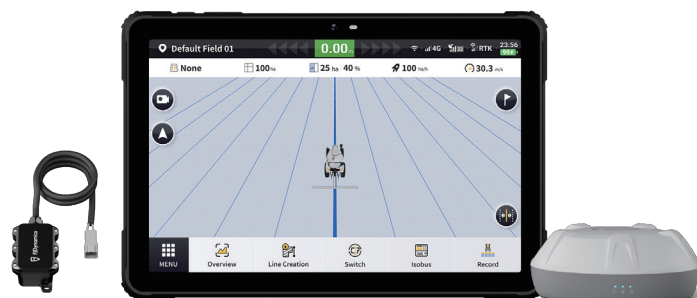
Extensive Functions

The AGI Standard supports various guidance lines like straight, curved, or complex paths, slope climbing, and diagonal plowing. This makes it perfect for small fields, terraces, and hilly lands where autosteering may not be feasible.



AGI ISOBUS KIT

- **Affordable:** Add ISOBUS support, with no need to buy an original ISOBUS display.
- **Universal:** Work with all ISOBUS machinery and implements.
- **Certified:** AEF-certified for global reliability.
- **Wireless:** Include a wireless module for monitoring and automation.
- **Efficient:** Support status monitoring, section control, and auxiliary control for better efficiency.





AG1 VCU Kit

The AG1 VCU Kit supports retrofitting a non-ISOBUS sprayer to work with ISOBUS systems, allowing you to make the most of your current equipment without buying a new one. This modification retains the performance advantages of your original equipment while gaining valuable ISOBUS control capabilities.



Cost-Effective Implement Retrofitting

Once retrofitted, your sprayer equipment supports automatic control and precise task execution under the ISOBUS framework. This helps you save money by avoiding expensive device replacements and reducing waste, bringing new levels of efficiency and precision for your agricultural production.



Optional Solution

Beyond the utility of the AG1 Standard, we further support autosteering control through light-duty technology upgrades, saving you up to 30% on your investment in advanced navigation kits.

QUICK SPECS



GNSS Receiver

Dimensions	162 mm×64.5 mm
Frequency Band	BDS B1/B2/B3; GPS L1/L2/L5; GPS L1/L2/L5; GLONASS L1/L2; Galileo E1/E5; SBAS
Operating Voltage	9~36V
Operating Temperature	-20°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
IP Rating	IP67



Display

System	Android 13 with GMS
CPU	Eight-core 2.0GHz
RAM+ROM	4GB+64GB
Flash	128GB
Display	10.36 inch 2000*1200 FHD
Bluetooth	Bluetooth V5.0 Low Energy Rate Wireless
Wi-Fi	12.4GHz/5.8GHz IEEE 802.11 a/b/g/n
Touch Screen	Capacitive 10-point touch G+G incell
I/O	Type-C USB2.0, SIM+SIM or Sim+TF, 3.5mm stereo headset
Battery	6000mAH (dual cells), endurance: 8~10 hours
Charger	input: AC 100-240V 50~60Hz; output: DC 5V 2A



ISOBUS Module

Operating Voltage	9 ~ 36V
Operating Temperature	-30°C ~ 70°C
Storage Temperature	-45°C ~ 85°C
Communication Protocol	CAN
IP Rating	IP67



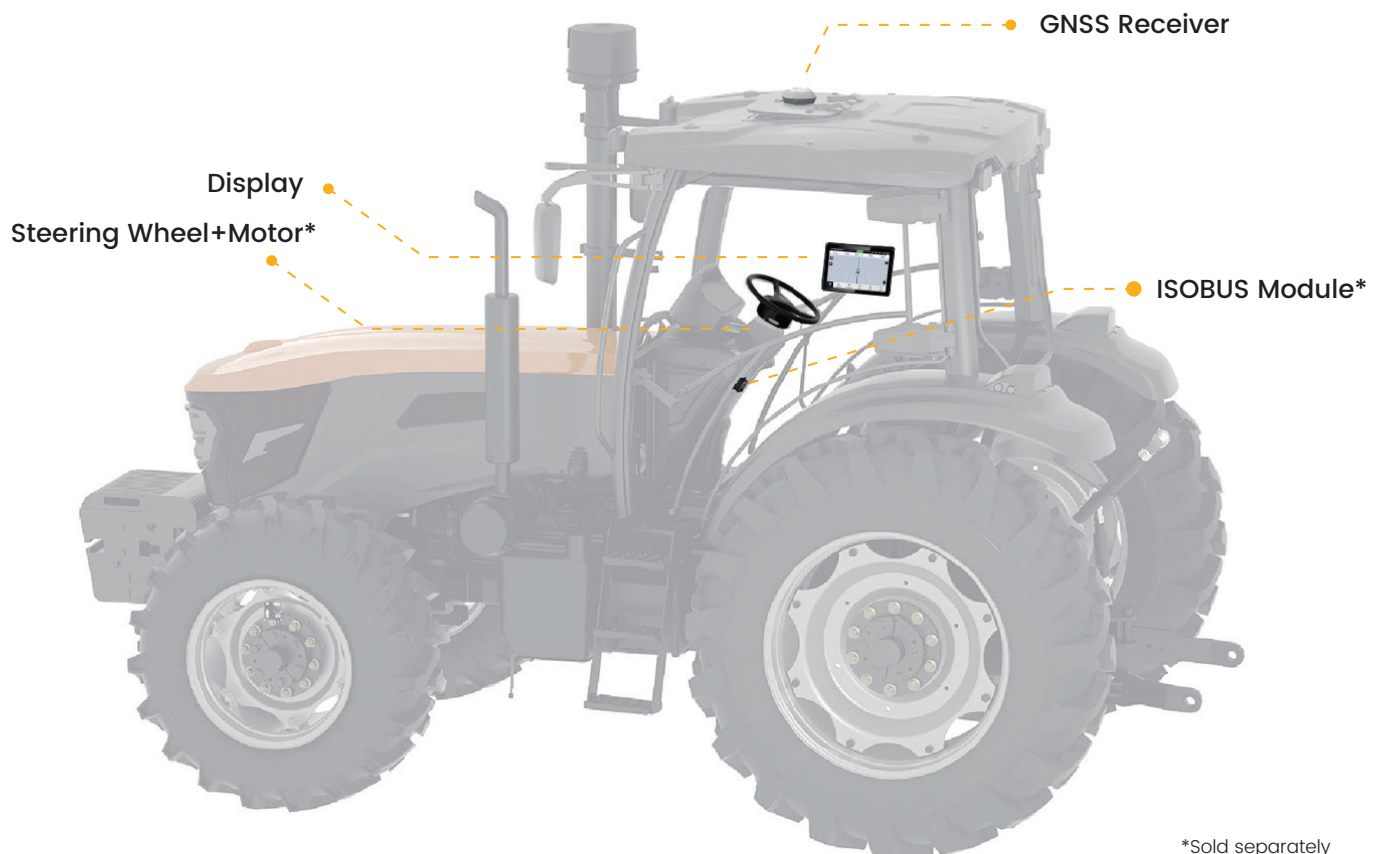
VCU

Rated Voltage	9 ~ 36V
Electric Control Valves	3A/12 V
Pressure Signal Voltage	0~10V; Current: 0~20mA
Flow Signal	0~10 kHz
Communication Protocol	CAN
IP Rating	IP67



OBD

Transfer Protocol	J1939, Wi-Fi
Connection	OBDII, Diagnostic Connector
Operating Temperature	-30°C ~ 60°C
Operating Humidity	5% ~ 95%
Storage Temperature	-40°C ~ 85°C
IP Rating	IP66



*Sold separately

Free Quote: sales.global@fjdynamics.com
Address: 15 SCOTTS ROAD #03-12, Singapore

[FJDynamics.com](https://www.fjdynamics.com)



CREATE FOR A BETTER WORLD

Copyright © FJDynamics. All rights reserved.