

# FJDynamics Autosteering Kit



## ● ISOBUS Control Solution

FJD ISOBUS control solution is a compatible application control that allows software, vehicles and implements to communicate with each other.

## ● Terrain Compensation

Autosteering Kit uses a IMU sensor to calculate the actual position of the vehicle to help minimize skips and overlaps in areas with rolling terrain, slopes, and rough ground.

## ● U-turn Auto-driving

The kit automatically identifies the field edges and makes path planning after importing datum lines. When the vehicle reaches a turning point, the operator only needs to step on the brake, then the vehicle is able to automatically turn around without any manual operation.

## ● AI Vision-based Precision Farming (optional)

- Industry's leading sensor-fusion technology by combining RTK and vision.
- Vehicle guidance using vision-based deep learning, crops and weeds could be differentiated as using vision-based deep learning to reduce the use of fertilizer and herbicide while maximizing yields.

## ● Remote Control & Unmanned Mode (optional)

Long-distance wireless remote control and obstacle avoidance enables vehicle to be controlled remotely or to enter fully autonomous mode.

## ● Centimeter-level Positioning

Using satellite signals for precise positioning, the kit can automatically adjust the vehicle's travel direction. Operation accuracy is up to 2.5cm.


## ● Extensive Adaptability

The kit is suitable for various brands of agri-machines and all fieldwork operations.




# FJ Dynamics Autosteering Kit


Item	Unit	Spec.
Control Terminal	Size	300 x 190 x 43mm
	Screen	10.1-inch LCD screen with LED back
	/	1280 x 800 pixels
	Power Supply	10V ~ 30V
	Network Module	4G, compatible with 2G / 3G
	Waterproof and Dustproof	IP65
	Operating Temperature	-30 °C ~ + 75 °C
	Storage Temperature	-40 °C ~ + 85 °C
	Angle sensor	Waterproof and Dustproof
Operating Temperature		-40 °C ~ + 85 °C
IMU	Power Input	5V
	Power Input	12/24 VDC
Electric Steering Wheel	Operating Temperature	-20 °C ~ + 70 °C
	Storage Temperature	-55 °C ~ + 85 °C
	Frequency	GPS L1 / L2, GLONASS L1 / L2, BDS B1
GNSS Antenna	Operating Temperature	-40 °C ~ + 85 °C
	Storage Temperature	-55 °C ~ + 85 °C



The pioneer navigation system for autonomous driving in the world



High compatibility to various types of agricultural vehicles



Centimeter-level positioning accuracy up to 2.5 cm

 [www.fjdynamics.com/en/autosteeringkit](http://www.fjdynamics.com/en/autosteeringkit) | 
  [sales.global@fjdynamics.com](mailto:sales.global@fjdynamics.com)

**SETTER MANUFACTURING DIVISION**  
 RUSSELL, MB R0J 1W0  
[www.settermfg.com](http://www.settermfg.com) 1-866-708-8902

Extensive Adaptive

Item	Unit	Spec.
	Size	300 x 190 x 43mm
	Screen	10.1-inch LCD screen with LED back
	/	1280 x 800 pixels
Control Terminal	Power Supply	10V ~ 30V
	Network Module	4G, compatible with 2G / 3G
	Waterproof and Dustproof	IP65
	Operating Temperature	-30 °C ~ + 75 °C
	Storage Temperature	-40 °C ~ + 85 °C
Angle sensor	Waterproof and Dustproof	IP67
	Operating Temperature	-40 °C ~ + 85 °C
IMU	Power Input	5V
	Power Input	12/24 VDC
Electric Steering Wheel	Operating Temperature	-20 °C ~ + 70 °C
	Storage Temperature	-55 °C ~ + 85 °C
	Frequency	GPS L1 / L2, GLONASS L1 / L2, BDS B1
GNSS Antenna	Operating Temperature	-40 °C ~ + 85 °C
	Storage Temperature	-55 °C ~ + 85 °C



The pioneer navigation system for autonomous driving in the world



High compatibility to various types of agricultural vehicles



Centimeter-level positioning accuracy up to 2.5 cm



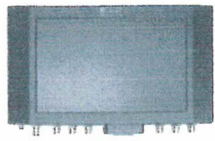
[www.fjdynamics.com/en/autosteeringkit](http://www.fjdynamics.com/en/autosteeringkit)



[sales.global@fjdynamics.com](mailto:sales.global@fjdynamics.com)

SETTER MANUFACTURING DIVISION  
 RUSSELL, MB ROJ 1W0  
[www.settermfg.com](http://www.settermfg.com) 1-866-708-8902





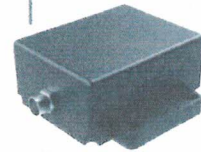
**Control Terminal**



**GNSS Antenna**



**Electric Steering Wheel**



**Sensor Modules**

## Working Scenarios





Video Interface

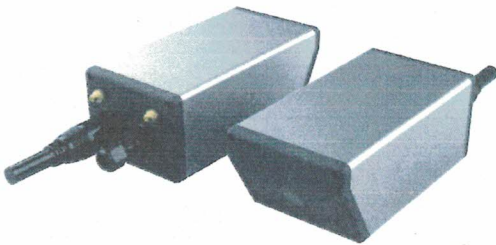
Remote Controller Interface



Camera 4G

GNSS Base Station

## AI Camera



Unit	Spec.
Model	FJ-A100
Dimension	198mm*100mm*75mm
Weight	812g
Working Temperature	-20°C~70°C
FOV	Horizontal 87.5, vertical 47.5
Upgrade	OTA
Light Detection	√
Online Maintenance	√



In remote control and unmanned modes, millimeter-wavelength radar is activated to identify obstacles and raise the alarm in real time.