

Specifications

Land Leveling System

Ver.2026.04.17

Signal Tracking	
BDS	B11,B21,B31,B1C,B2a,B2b
GPS	L1C/A L2PL2C,L5,L1C
GLONASS	G1,G2,G3
GAL	E1, E5b, E5a, E6,E5 AIBOC
QZSS	L1C,L2, L5,L1C/A,L2/C
SBAS	L1C/A, L5
IRNSS	L5

Positioning Accuracy	
Real time kinematics (RTK)	8mm+1ppm(Horizontal) 15mm+1ppm(Vertical)
Accuracy	±2.5cm
Velocity accuracy	<0.02 m/s
Initialization Time	<10 s
Initialization reliability	99.9%

Controller	
Power Input:	9-36V
Power:	<2W
Key number:	5
Communications:	CAN
Button life:	>1 million times
Storage Temperature:	-40°C-85°C
IP Rating	IP67

Tablet	
Size	10.1'
System	Android 10.0
CPU	8-Core
Memory	4GB RAM 64GB ROM
Resolution Rate	1280*800
4G	Dual-SIM Dual-Standby
Datalink	Frequency Range:410-470MHZ
Bluetooth	BT 4.2, BR/EDR+BLE
WIFI	IEEE 802.11
Working Temperature	-20 C ~+55 C
Storage Temperature	-30 C ~+70 C
Waterproof and Dustproof	IP67
Power Supply	DC 6V~36V

Control Unit	
Power Input:	9-36V
Dimensions:	1350mm * 1280mm * 330mm
Communications:	CAN
Working Temperature:	-40°C-85°C
Storage Temperature:	-40°C-85°C
IP Rating:	IP67

Application



Irrigated Farming
Land Leveling



Paddy Field Precision
Leveling



High-standard Farmland
Construction



Slope Land Leveling

SinoGNSS

AL200 LAND LEVELING SYSTEM

Precision Grading
for Higher Efficiency and Better Yield

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AL200 Smart Land Leveling System

The AL200 Smart Land Leveling System delivers centimeter-level precision through advanced GNSS positioning Technology and intelligent hydraulic control. It enables real-time elevation control, ensuring uniform field surfaces while reducing overlap, fuel use, and labor costs. With fast installation and compatibility across various machinery, it enhances efficiency and supports scalable, high-quality agricultural operations in diverse field conditions.



Feature



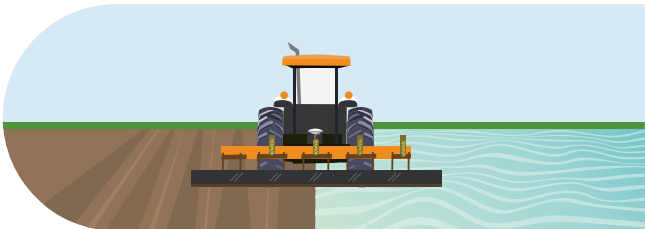
Precision Leveling Control

Powered by SinoGNSS advanced high-precision GNSS chip, the system supports GPS, GLONASS, BDS, and Galileo with full-frequency tracking, delivering 20Hz reliable centimeter-level positioning for accurate and consistent land leveling operations.



Intuitive Operation Control

Features a user-friendly interface with quick access to key functions. Operators can easily switch between automatic and manual modes, improving usability and overall work efficiency.



Versatile Field Applications

Engineered to perform reliably in both paddy fields and dry land, the system adapts to different soil conditions and leveling requirements, ensuring consistent results across various farming scenarios.



Fast Installation Setup

Designed with a compact structure for quick installation and deployment. The system can be easily transferred between machines, reducing downtime and improving operational flexibility.

Benefit

