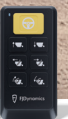
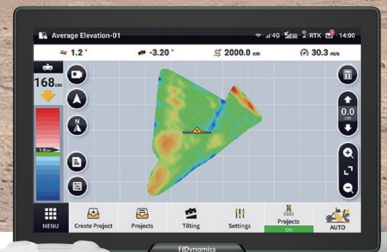




or

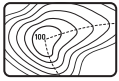


FJD AL02 / AL02 MAX

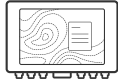
3D LAND LEVELING SYSTEM

FJD AL02 / AL02 MAX

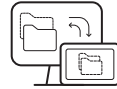
The AL02/AL02 Max delivers next-level precision and efficiency, supporting terrain surveying and minimal earth-moving designs for both level and sloped surfaces. Utilizing high-precision GNSS positioning and advanced algorithms, it enables automatic blade control for stable, accurate leveling. This makes it ideal for both everyday farmers and experienced water management contractors looking to achieve superior soil preparation while conserving water and reducing pesticide costs.



Topographic Survey



Terrain Design



Import Design File

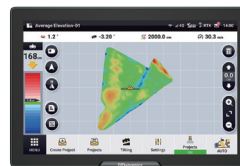


Record Keeping

HIGHER CONFIGURATION, SMOOTHER OPERATION

The AL02 Max features a massive 12-inch HD touchscreen, giving you 46% more viewing area. Powered by an upgraded CPU and 4GB RAM, the larger screen runs exceptionally fast and smoothly in data processing, delivering precise and stable leveling performance during soil preparation for farming.

12-Inch

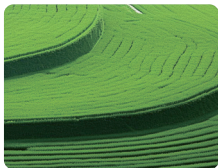
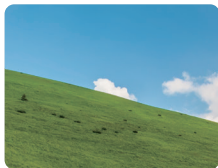


10-Inch



MULTI-TERRAIN COMPATIBILITY

The AL02 system generates optimized surface designs with minimal earth movement using topographic data, ideal for paddy fields and dry land. Users can fine-tune target elevation, water flow, slope, and cut-fill ratio to boost irrigation efficiency and soil quality. Whether for level ground, single-surface, double-surface, or curved-surface terrain, the AL02 provides efficient, customized solutions for all types of land leveling and drainage management needs.



DUAL-RTK CONTROL / BLADE TILT CONTROL

Utilize dual-RTK control to capture real-time elevation data from both sides of the blade and automatically adjust the hydraulic cylinders to better shape complex terrain. Even on potholes, slopes, or tricky field edges, you can always get consistent results with less manual intervention, greatly improving land leveling efficiency.

Main Antenna



Sub Antenna

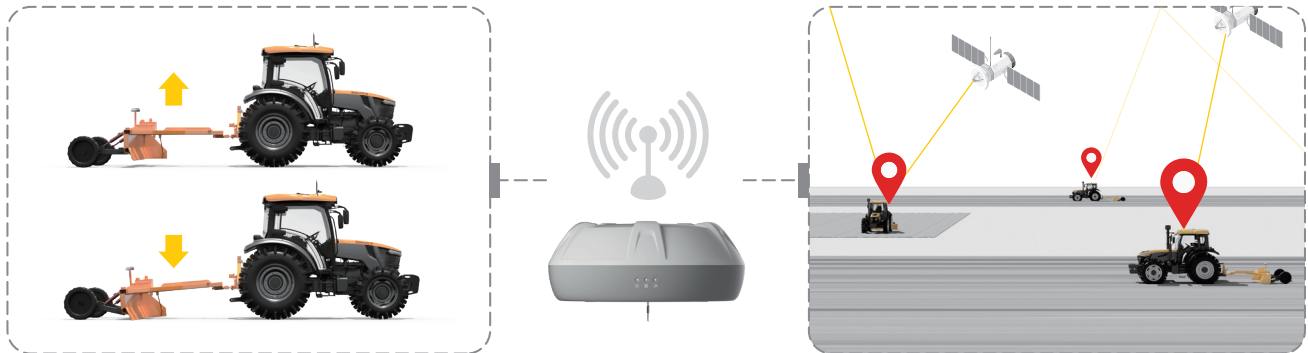


INTEGRATED DESIGN

The latest version of GNSS antenna integrates the attitude sensor and positioning module, achieving both positioning and attitude functions in one for easier installation.

With advanced algorithmic compensation, the AL02 maintains exceptional operational accuracy in dynamic environments.

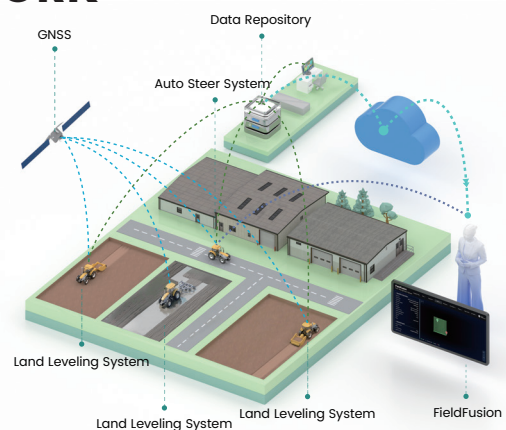
Note: The AT2, AT2 Max, AS2, and AH2 can unlock the land leveling function through an add-on package.



CLOUD WORKFLOW, EASY TEAMWORK

Farm managers can use FieldFusion to monitor the grader's live progress and review all project history. This platform also makes it simpler for farm managers, water management experts, and field workers to work together in surveying, design, and land forming.

They can perform topographic surveys using the AL02, an ATV-mounted rover, or a drone. By uploading survey or design directly to FieldFusion, the data syncs wirelessly to the AL02, providing a fast USB-free workflow.



SEAMLESS INTEGRATION WITH ELECTRO-HYDRAULIC SCVS

The FJD AL02 now integrates directly with the electro-hydraulic SCVs on most CNH and John Deere tractors, enabling precise blade lift, lower, and tilt control through the tractor's native hydraulic system.

USER CASE IN MEXICO

Hector, a farmer from Mexico, successfully installed the FJD AL02 land leveling system on his Case IH tractor and easily completed the setup. He selected the single-sloped surface mode to adjust slope division and set irrigation direction. By leveling his field, Hector reduced nutrient runoff, improved his crop's root health, and decreased the incidence of disease. His fertilizer was used more efficiently, which led to his wheat growing thick and strong. Hector was very satisfied with all the great benefits from the FJD AL02 system.



QUICK SPECS



(10-inch)



(12-inch)

Control Terminal

Dimensions	(10-inch)	275×180×40 mm
	(12-inch)	290×196×25 mm
Operating Voltage	9–36 V	
Network Module	4G, 3G, 2G	
Signals Received	Radio, satellite, 4G	
Relative Humidity	0%–95%, at 40°C (non-condensing)	
IP Rating	(10-inch)	IP66
	(12-inch)	IP67



VCU

Dimensions	184.1×148×34.4mm	
Operating Voltage	9–36V	
IP Rating	IP67	



GNSS Receiver

Dimensions	162 × 64.5 mm	
Frequency	GPS: L1C/A, L1C, L2P(W), L2C, L5;	
	GLONASS: L1, L2; BDS: B1I, B2I, B3I, B1C, B2a;	
	Galileo: E1, E5a, E5b;	
Operating Voltage	9–36V	
IP Rating	IP66	
Frequency Range	410–470 MHz or 902–928 MHz	



Radio Antenna



Handheld Keypad

Operating Voltage	2.2–3.6V	
Button Life	2 million keystrokes	
IP Rating	IP67	

Radio Antenna

Optional accessory: FJD Wired Camera provides real-time visibility of the leveling operation behind the tractor.

Control Terminal

GNSS Antenna

Handheld Keypad

VCU

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FJDynamics.com



CREATE FOR A BETTER WORLD

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