



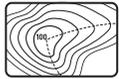
# FJD AL02

AUTO LAND LEVELING SYSTEM

# FJD AL02

AL02 is FJDynamics' next-generation land leveling system, supporting terrain surveying and minimal earth-moving designs for level or sloped surfaces. With high-precision GNSS positioning and advanced algorithms, it enables automatic blade control, ensuring precise and stable leveling operations.

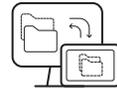
Powerful yet easy to use, the AL02 is suitable for both everyday farmers and experienced water management contractors. Our innovative agricultural water management solution aims to boost farmers' efficiency while laying a solid foundation for crop growth, conserving water, preventing soil erosion, and reducing the costs of pesticides and fertilizers.



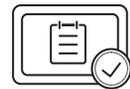
Topographic Survey



Terrain Design



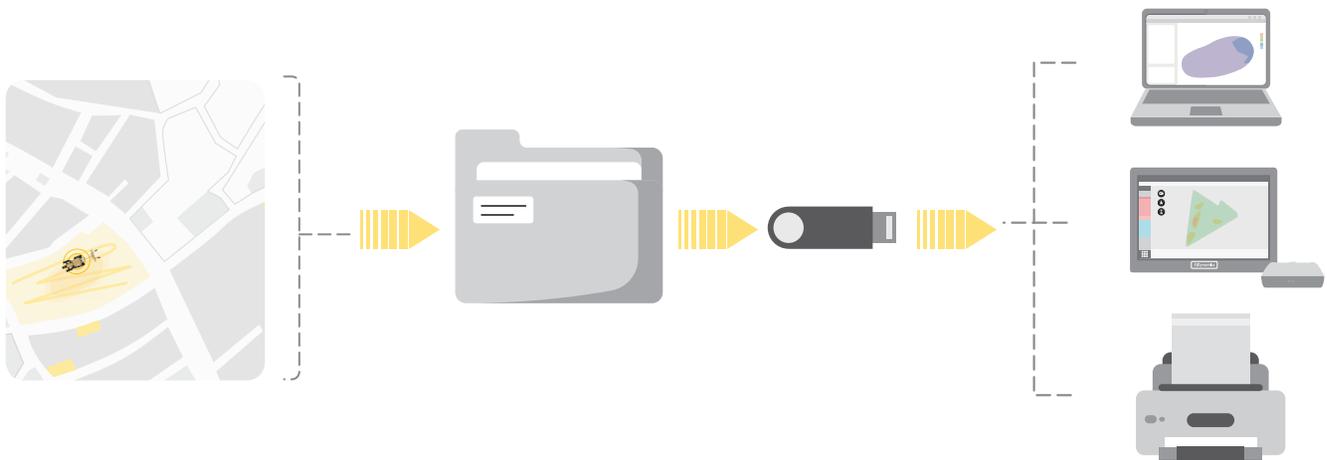
Terrain File Transfer



Record Keeping

## FLEXIBLE SURVEYING & SHARING

The AL02's surveying functionality is designed for ease of use, supporting one-button elevation setup for leveling projects and precise surveying directly from the land leveler. Users can export project data for multi-machine collaboration, import third-party AGD design files to start leveling right away, and export PDF project reports for record-keeping and management.



## 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, or double-surface terrain, the AL02 provides efficient, customized solutions for all types of land leveling and drainage management needs.



# REMOTE ASSISTANCE

AL02 supports OTA (over-the-air) updates, allowing users to experience the latest product versions immediately. The device also enables remote assistance, so when issues arise, users can connect with dealers or the service team in real-time for quick diagnostics and remote guidance, ensuring prompt solutions and greater peace of mind.

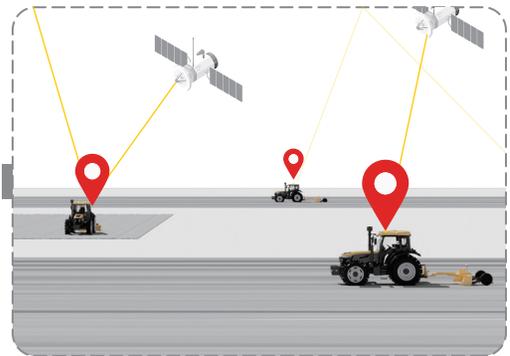
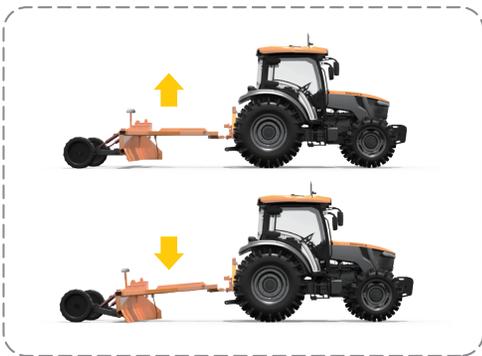


# INTEGRATED DESIGN

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 can unlock the land leveling function through an add-on package.



# USER CASE IN MEXICO

February 2024, Fernando, a farmer in Mexico, used the FJD GNSS-based land leveling system for the first time to prepare two of his fields before seeding. Choosing a single-surface terrain type, he effortlessly adjusted split slopes and set the water flow direction. Once the design was confirmed, Fernando no longer needed to make constant adjustments, as he previously did with a traditional laser system.



The leveled land produced a lush wheat crop, growing evenly across his fields. Amid high water costs and usage restrictions due to drought, Fernando saw a marked decrease in both water and chemical inputs. The optimized slope minimized nutrient loss, improved root health, and reduced disease, making the most use of fertilizers .

Fernando was very pleased with the remarkable benefits of the FJD GNSS system. He no longer needed to make constant adjustments, as he previously did with a traditional laser system.

# QUICK SPECS

## Control Terminal

Network	4G, compatible with 2G/3G
Screen	10.1 inch, LED backlight

## Radio Antenna

Frequency Bands	433/470 MHz
Operating Temperature	-20°C-65°C

## GNSS Receiver

Signal Frequency	GPS: L1C/A, L1C, L2P(W), L2C, L5; GLONASS: L1/L2; Galileo: E1, E5a, E5b, SBAS
------------------	---

## 4G Antenna

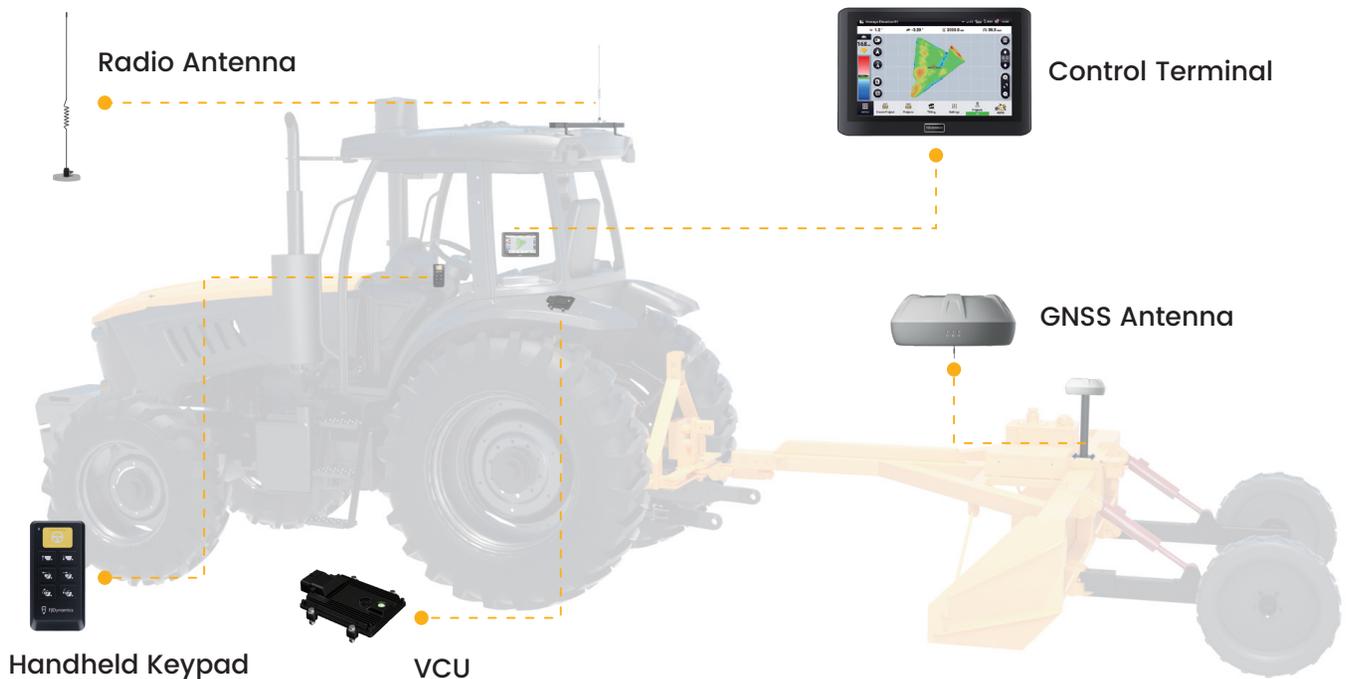
Frequency Bands	B1/B2/B3/B5/B8/B38/B39/B40/B41
-----------------	--------------------------------

## VCU

Connector	64 pin (Aptiv)
Dimensions	184.1 × 148 × 34.4 mm
Power Supply Voltage	9-36 V
Maximum Total Current	30 A

## Handheld Keypad

Power Input	9-36 V
Operating Temperature	-40°C-85°C
IP Rating	IP67
Button Life	≥ 1million keystrokes
Storage Temperature	-40°C-85°C



Free Quote: [sales.global@fjdynamics.com](mailto:sales.global@fjdynamics.com)  
 Address: 15 SCOTTS ROAD #03-12, Singapore



CREATE FOR A BETTER WORLD

Copyright © FJDynamics. All rights reserved.