



FJDynamics



PATH ASSIST

PASSIVE IMPLEMENT CONTROL

SMART CONTROL. SEAMLESS EFFICIENCY.

Path Assist is an intelligent system mounted on farm implements that uses satellite signals and smart algorithms to detect and correct implement drift in real time. It eliminates issues like side slip, uneven row spacing, overlaps, and skips caused by mounting errors, sway, or terrain changes—keeping implements precisely on the guidance line to improve accuracy and land utilization.



±2.5 cm Accuracy



Improved Land Utilization



Smart Drift Control



Higher Operating Efficiency



Extensive Compatibility



Stable Performance on Complex Terrain

HIGH-PRECISION GUIDANCE

Keep ±2.5 cm accuracy and increase overall precision by over 40% compared with manual operation, effectively keeping operational losses under 1%.



IMPROVED LAND UTILIZATION

Eliminate overlaps and skips with higher precision, effectively keeping operational losses under 1%.



SMART DRIFT CONTROL

Detect implement drift in real time and actively correct deviations by using built-in intelligent algorithms, minimizing side slip and sway caused by uneven terrain or slopes.



HIGHER OPERATING EFFICIENCY

Save 1–2 hours of manual row adjustment and boost daily efficiency by 10–20%. This reduces operating fatigue and dependence on skilled operators, lowering labor costs.



EXTENSIVE COMPATIBILITY

Support upgrading most implements and older tractors with no machine modifications at a low cost, bringing smart guidance to your machinery without expensive replacements.



STABLE PERFORMANCE ON COMPLEX TERRAIN

Maintain straight-line operations even under challenging conditions such as sandy or sloped terrain, ensuring stable performance at high speeds.



APPLICATION SCENARIOS



Row-Crop Fields

Control implements precisely to ensure straight-row operations for corn, soybeans, wheat, potatoes, and cotton.



Farms & Cooperatives

Boost mechanized efficiency by adding an extra 1–2 hours of work per day, cutting costs while improving overall returns.



High-Precision Operations

Work smoothly for drill planting, film mulch laying, and ridging, avoiding uneven rows and crop damage.

Challenging Terrain

Stay straight on slopes, sandy lands, and weak-signal fields with smart drift control.

SPECS

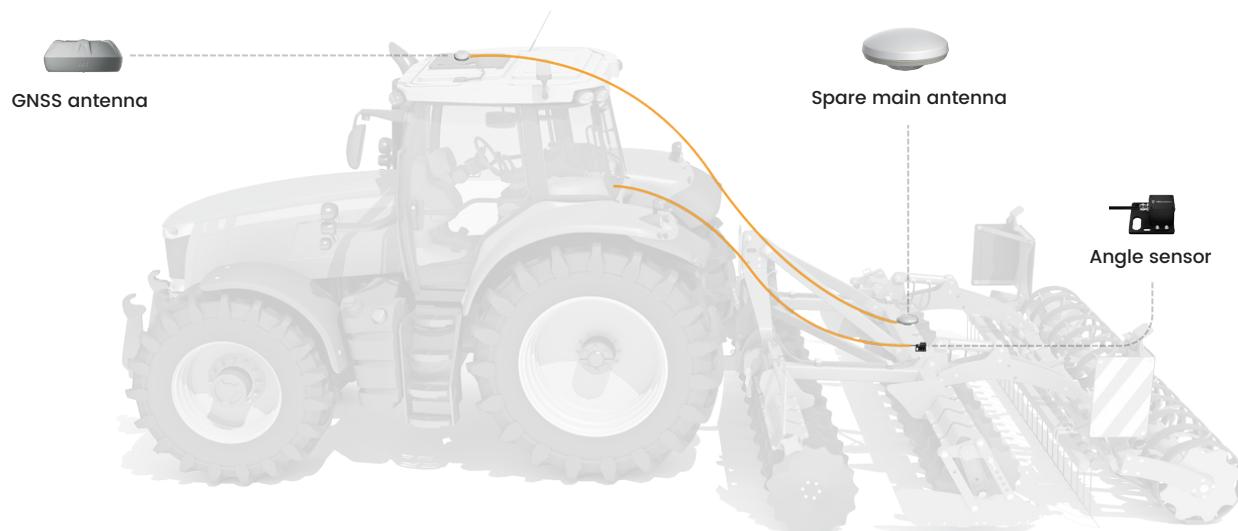
RTK Positioning Accuracy	±2.5 cm
Operating Temperature	-40°C to +85°C
Gyroscope Sensor Supply Voltage	5V

GNSS Antenna Supply Voltage	3.3-12V
Power Consumption	0.4W
Angular Measurement Range	±1000 °/s

*These parameters are only for Path Assist. When you use it with an FJD autosteering system, the settings of the autosteering system will be used instead.

HARDWARE INSTALLATION

Simply set up each component to get precise control of your implement right away. Working with FJD's autosteering system, Path Assist detects and auto-corrects any drift in real time, keeping your equipment perfectly on the guidance line.



Free Quote: sales.global@fjdynamics.com
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