

CHCNAV

IS100

**IMPLEMENT GUIDANCE
SYSTEM**



**PRECISION
AGRICULTURE**





The CHCNAV IS100 is a precision implement guidance system designed to enhance straight-line accuracy and row spacing for mounted equipment. Integrated with intelligent algorithms and high-precision GNSS technology, the IS100 actively corrects implement deviation in real time, preventing side-slip on slopes or sandy terrain. For single-point-hitch implements, it also minimizes swaying. By improving row spacing accuracy, the IS100 helps maximize land utilization.

ENHANCED IMPLEMENT PERFORMANCE

The IS100 delivers row spacing accuracy up to ± 1.5 cm through optimized terrain compensation algorithms that reduce overlaps and skips. It maintains a consistent path even in uneven fields or when using single-point-hitch implements. These improvements can increase land utilization by up to 3%, supporting higher yields.

COMPREHENSIVE TASK RECORDING

The IS100 can automatically record detailed operational data for each implement, including working hours, tracks and field information. Farmers can use this data directly to optimize future operations, such as inter-row cultivation, spraying and harvesting, for better planning and efficiency in the field.

EASY INSTALLATION AND USER-FRIENDLY OPERATION

The IS100 features a quick-assembly bracket for fast setup and removal. When switching between implements, users only need to reconnect the cable. Each implement requires just one-time calibration, with no need for repeated recalibration when reused, minimizing downtime in the field.

CONSISTENT PERFORMANCE AT HIGH SPEEDS

Even at speeds of up to 12 km/h, the IS100 maintains exceptional accuracy, making it ideal for seeding operations in a wide range of crops, such as corn, cotton and potatoes. Its robust performance speeds up workflows without compromising on precision.

SPECIFICATIONS

Dimensions	Ø106.95 × 77 mm	Power Consumption	≤0.5 W
Weight	285 g	Operating Temperature	-20°C to +70°C
Ports	5-pin Circular Connector × 1 + TNC × 1	Storage Temperature	-40°C to +85°C
Power Supply	DC 9–36 V (external)	Waterproof and Dustproof	IP67



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