

CHCNAV

CHC Navigation is a global provider of innovative GNSS navigation and positioning solutions covering a wide range of professional applications, including land and airborne surveys, precision farming, 3D mass data acquisition, unmanned navigation and robotics and more.

CHCNAV's Business Principles are the cornerstone upon which all of our activities are built. Our slogan "Make Your Work More Efficient" sums up perfectly how our GNSS-based positioning and precision farming solutions are designed to dramatically improve productivity and sustainability delivering an exceptional return on investment to our customers and business partners.



IC100 GNSS Land Leveling System

IC100 GNSS Land Leveling System is an agricultural implement control system which uses satellite positioning technology to automatically level the land. It integrates RTK technology and electro-hydraulic control technology to realize the automatic leveling function by monitoring the elevation change in real-time and automatically lift or drop the blade/scrapper. It supports two-way valve and multi-way valve scrapers.

The system features multi-frequency RTK positioning system with compatibility with GPS, GLONASS, BDS and Galileo. It can determine the reference grade according to the current height or after driving around the field. The system supports single slope and dual slope. It can be used for fallow land leveling, dry land leveling, paddy field leveling, etc. It will create great value for farmers by improving productivity and utilization efficiency of water resource.



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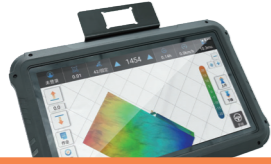
Make your work more efficient

CHCNAV IC100
GNSS Land Leveling System
Yield More With Less



Hardware introduction

10.1-inch high-definition display



- ▷ The operation interface is intuitive and easy to understand, and common used functions are accessible easily with one key
- ▷ Different colors indicate the elevation difference, high or low is very clear at a glance

Versatile ECU



- ▷ Powerful computing capacity, fast response, ensuring high leveling accuracy

Controller



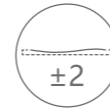
- ▷ Ergonomic design, comfortable to hold
- ▷ Supports manual adjustment of scraper lift/drop, convenient for rough-leveling operation
- ▷ Supports quick switch between automatic and manual mode

Satellite Antenna



- ▷ Supports GPS/GLONASS/Beidou/GALILEO signal, fast positioning with high stability
- ▷ Simple installation and easy for maintenance
- ▷ IP67 rating, withstanding harsh environments

Product advantages



High leveling accuracy, saving water and fertilizer

Accurate leveling for both plane and slope with ± 2 cm accuracy with high smoothness, convenient for later irrigation leading to water and fertilizer saving.



Easy to install

Only four major components, 10 minutes for full installation



Control with controller or screen

Switch controller and screen based on preference to make work easier



High positioning accuracy

Standard RTK level receiver with compatibility with GPS/GLONASS/Beidou/GALILEO, the positioning speed is fast and the accuracy is high



Supports variety of modes

Supports one-key reference grade setting, geodetic reference grade setting and other modes



10.1-inch high-definition touch screen

High-definition display of cut and fill map, the elevation difference is clear to see