

CHCNAV

DT-1

PORTABLE GNSS RECEIVER



AGRICULTURE

PORTABLE MARKER FOR EASY DATA COLLECTION

The CHCNAV DT-1 Smart Marker is a portable GNSS receiver designed for farmers. It features an integrated antenna, processing card, and Bluetooth module, and connects seamlessly to CHCNAV's Farmmaster software on Android smartphones and PC platforms. The DT-1 captures and transfers various types of data such as guidelines, boundaries, and landmarks which can be easily shared with CHCNAV automatic steering systems.

GUIDELINE SETTING AND SHARING

Operators can use the DT-1 to record and set guidelines directly, without the need to operate tractors. The recorded guidelines are stored in the cloud and shared with CHCNAV automatic steering systems, helping to save fuel, time, and operational effort.

PRECISE LANDMARK RECORDING

The DT-1 enables highly accurate recording of various landmarks, more precisely than manual recording from tractors. Obstacles such as trees, rocks, and hydrants can be mapped in advance and stored in the cloud portal for instant reference during ongoing field operations.

BOUNDARY SETTING AND SHARING

Field boundaries can be recorded without driving tractors around the perimeter. The system automatically calculates the area during this process. Boundaries are saved in the cloud and easily shared with CHCNAV automatic steering systems. In fleet operations, users only need to record boundaries once and can share them across multiple tractors, avoiding repetitive work.

DATA SAVING AND SHARING

Through CHCNAV Farmmaster software, farmers can seamlessly connect the DT-1 Smart Marker with automatic steering system terminals. All recorded data is securely stored in the cloud and easily shared with other users significantly reducing the risk of data loss or corruption.



PRECISE
RECORDING



ONE-CLICK
SETTING

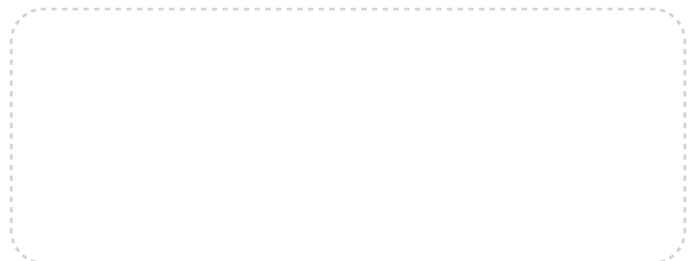


SPECIFICATIONS

DT-1

| | |
|--------------------------|--|
| GNSS | GPS: L1/L2/L5 GLONASS: L1/L2 BDS: B1I, B2I, B3I, B1C, B2a Galileo: E1/E5a/E5b |
| RTK (RMS) | Horizontal: 0.8 cm + 1 ppm Vertical: 1.5 cm + 1 ppm |
| Data Format | RTCM 3.2, RTCM 3.3 |
| Communication | Bluetooth |
| Interface | Type-C |
| Size | Ø49 × 144 mm |
| Weight | 160 g |
| Power Supply | DC 4.5 - 6.0 V |
| Battery Capacity | 3.7 V, 2850 mAh |
| Charging Time | < 6 h |
| Battery Life | > 10 h |
| Working Temperature | -20°C to +60°C |
| Storage Temperature | -20°C to +60°C |
| Dustproof and Waterproof | IP67 |

* Specifications are subject to change without notice.



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