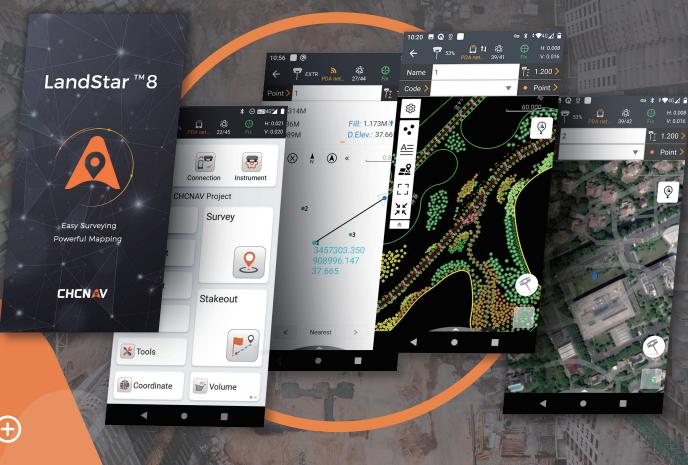


LandStar

LAND SURVEYING AND MAPPING APP FOR ANDROID



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SURVEYING & ENGINEERING



EASY TO USE AND FEATURE-RICH

LandStar[™] 8 is the field-proven data collection application for Android devices and CHCNAV data controllers. Its modular design allows the user interface to be customized to meet specific needs and make deployment to field crews easy and highly efficient. The advanced graphics rendering of mapping projects in LandStar[™] 8 provides users with an unprecedented field experience.

LandStar[™] 8 is built around easy-to-use workflow management and an intuitive graphical interface designed to help efficiently complete high-precision surveying and mapping projects. LandStar[™] 8 is versatile and integrates all surveying features for different applications, including construction surveying, control point measurement, native CAD project support, fast and accurate points, lines and surfaces stakeouts, road construction, GIS data acquisition, and more. Its comprehensive industry-standard data import and export formats allow LandStar[™] 8 to be seamlessly integrated into existing software environments and ensure instant productivity.

USER-FRIENDLY OPERATION

Easy to use and learn, with powerful features

LandStar™ 8 's simple and intuitive layout, with large map windows and sharp graphics, makes surveying and mapping easier for all users. Only relevant information is displayed, and unused functions can be hidden to make the application even more straightforward and simple to operate. Integrated video tutorials are available to help field operators quickly master the app. Its modular design provides flexibility, and its rich feature set makes LandStar™ 8 an effective solution to meet the requirements of most applications.

START SURVEYING IN A FRACTION OF SECONDS

Simplified project and coordinated system management

When creating a project, LandStar™ 8 makes it easy to copy coordinate settings, control, and stake out points from another handheld controller just by scanning a QR code. Projects can be conveniently edited and sorted by history and properties, making them easy to navigate. Custom coordinate systems, geoid models, and codification libraries, ...can be dynamically updated via localization packages. LandStar™ 8 also features a site calibration wizard specially designed to be uncomplicated for non-expert users.

ADVANCED DISPLAY OF BASE MAPS

CAD base map rendering in seconds

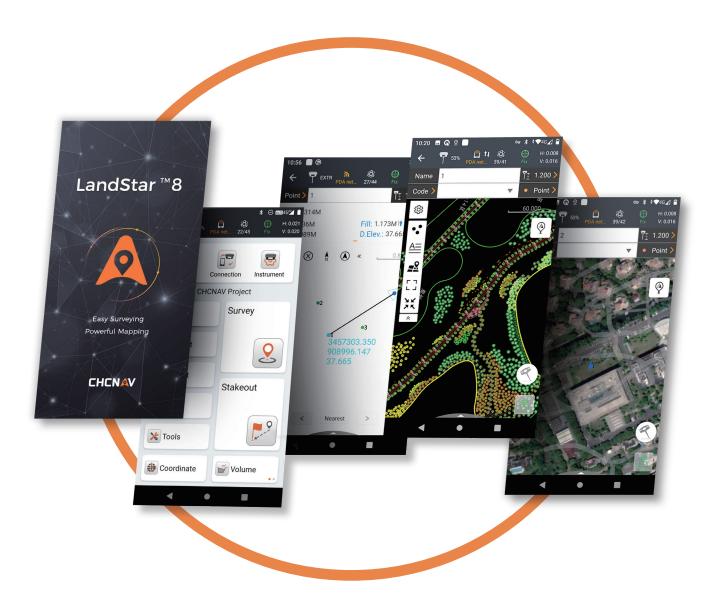
LandStar™ 8 proprietary MetaCAD™ graphics engine opens DWG and DXF base maps faster, with smoother rendering and an improved user experience. DXF files up to 200 MB can be opened on CHCNAV handheld controllers in less than 10 seconds. Smart base map functions include "Quick Code" for one-click feature coding to automatically create line features to increase project productivity. LandStar™ 8 supports the opening of external reference files, automatically recognizes CAD length units, and allows editing of CAD base maps directly in the field.

EXTENDED CLOUD CONNECTIVITY

Cloud integration enables efficient collaboration from field to office

LandStarTM 8 is designed around an integrated cloud-based architecture, supporting project backup, collaborative work, data storage, and many other valuable features. Its remote support function helps the office helpdesk resolve user issues and provide personalized technical assistance. With the "Sharing Code" feature, users can quickly transfer project data between office computers and field controllers or between different field controllers to further enhance work efficiency.





FEATURE RICH FOR ANY SURVEYING APPLICATIONS

SPECIFICATIONS

Features	Communication Protocols Configuration
Concise user interface	СНС
Intuitive workflow	Transparent
Embedded e-help-manual	TT450s
Integrated video tutorials	SATEL_3AS
Cloud Services / Sharing Code / Remote Tool	PCC4FSK
Connection types (Bluetooth, Wi-Fi and demo)	NTRIP
Global Coordinate Systems Library	TCP Direct
RTCM message support	APIS
Standard CGD grid/geoid files	Supported Languages
Site-Calibration wizard	Arabic
Comprehensive import/export format support	Bulgarian
Differential data relay	Chinese (Simplified)
Customizable layer management	Chinese (Traditional)
Convenient Quick Code	Croatian
Automatically connect points into lines	Czech
Customized WMS/WFS support	English
Sharp and smooth DWG/DXF display	Finnish
Support automatic rotation of CAD base map	French
Support opening CAD external reference files	German
Accurate capture of endpoints, nodes,on the base map	Greek
Online push update software version	Hungarian
Manage receiver firmware updates	Italian
Powerful COGO tools (earthwork, inverse, grid to ground,)	Japanese
Real-time global TEC maps	Kazakh
Voice or audible prompts	Korean
Physical keyboard shortcuts	Laotian
Field Hardware Support	Malaysian
CHCNAV GNSS receivers (Including i90, i83, i73+, i73, iBase, i50)	Mongolian
Peripheral instruments such as total station, generic NMEA0183 receivers, pipeline detector and laser rangefinder	Persian
Android handheld controller with internal GPS	Polish
Data Collector Support	Portuguese
CHCNAV HCE600	Russian
CHCNAV LT700 / LT700H	Slovak
Android devices (operating system 6.0.1 and higher)	Spanish Swedish
Operating System Support	
	Thai
Android 6.0.1 and higher	Turkish

*All specifications are subject to change without notice.

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