

# LT30A



## KEY FEATURES

- *High precision GNSS module, support BeiDou*
- *Android 4.0 operation system*
- *4.5" high definition screen, sunlight readable*
- *Built-in 3G, WIFI and Bluetooth module*
- *0.3 megapixel front camera and 8.0 megapixel rear camera with auto flash compensation*
- *Optional intercom, magnetometer functions*

## LT30A GIS handheld terminal Rugged and Versatile

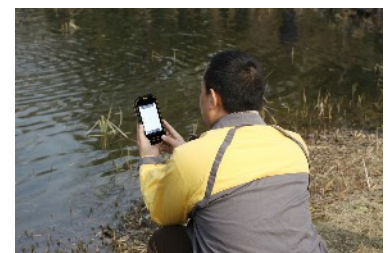
LT30A is a GIS handheld receiver with high accuracy GNSS module which supports BeiDou system. It adopts the most commonly used Android operation system and is rugged and versatile enough to meet the demands in various fields, like municipal projects, logistics and forestry. Featuring high speed processor and big storage capacity, LT30A helps you get the job done with high proficiency and precision.

### Industrial Standard Design

Designed with industrial standard, LT30A can not only withstand the drop from 1.5-meter high, but also survive the immersion into water with 1-meter depth for 30 minutes, which prepare you for any harsh environment. In addition, the 3800 mAh long life battery allows a full-day work which eliminates the worry about recharging in the field.

### Multifunction with Unlimited Possibilities

For LT30A, there are many unique functions available, such as dual mode dual standby, smart phone and dual cameras. Meanwhile, the LT30A can also be equipped with a number of optional features, like wireless intercom, magnetometer and 1D/2D barcode scanner.



# Technical Specifications

## System configuration

- Operation system: Android 4.0
- CPU: Dual-core 1 GHz
- RAM: 1GB
- ROM: 4GB
- Expansion: support TF card

## GNSS characteristics

- High accuracy GNSS module, support BeiDou system
- 50-channel
  - GPS: L1, CA code
  - BeiDou: B1
  - SBAS: WAAS, EGNOS, MSAS and GAGAN
- Update Rate: 1Hz
- Time to first fix
  - Cold Start < 45 s
  - Hot Start < 3 s

## Performance specifications <sup>(1)</sup>

- Stand alone: 3-5 m RMS
- With SBAS: 1-3 m RMS
- Post processing static:
  - Horizontal: 5 mm + 1 ppm
  - Vertical: 10 mm + 1 ppm

## Display Screen

- Size: 4.5 inch
- Resolution: 960 X 540
- Brightness: 500 lumen and readable under sunlight
- Touch screen: 5 points capacitive touch screen/ tempered glass

## Camera

- Front camera: 0.3 megapixel
- Rear camera: 8.0 megapixel
- Image sensor: CMOS
- Focus method: auto focus

## Communications

- Smart phone
- 3G communication: WCDMA/GSM/HSDPA
- USB interface
- Bluetooth V2.1
- WIFI: WLAN 802.11 b/g
- Dual mode dual standby (WCDMA+GSM/EVDO+GSM)

## Physical

- Size (LxWxH): 155 x 75 x 25 mm (6.1 x 3.0 x 1.0 in)
- Weight: 326 g with battery (11.5 oz)
- Operating Temperature: -30 °C to +60 °C (-22°F to 140°F)
- Storage Temperature: -40 °C to +70°C (-40°F to 158°F)
- Humidity: 100% condensation
- Dust proof and waterproof: IP67
- Shock: survives a 1.5 meters / 4.9 feet drop on to concrete

## Electrical

- Li-Ion battery capacity: 3800 mAh
- Battery life: up to 10 hours with GPS and backlight
- Charging time: < 4 hours (typically)

## Others

- Speaker and microphone
- 3.5 mm earphone jack
- Electronic compass
- G-sensor, light sensor
- 3D acceleration
- Intercom (optional)

## Package content

- CHC LT30A handheld receiver
- Li-Ion battery
- Screw driver
- Intercom antenna (optional)
- Documentation

<sup>(1)</sup> Accuracy and reliability specifications may be affected by multi path, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices. Specifications are subject to change without notice.

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