

# USB GPS Receiver

TEL0137

## Product Overview

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For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

DFRobot TEL0137 USB GPS Receiver is a compact, portable, and lightweight receiver integrated with a built-in receiving antenna. This receiver brings more accurate and faster positioning performance with a stronger signal compared with traditional GPS receiver. The TEL0137 GPS receiver comes with a battery inside for supplying power for storing satellite data, such as satellite signal status and final position. This GPS receiver is suitable for vehicle navigation, handheld positioning, wearable devices, and other fields.

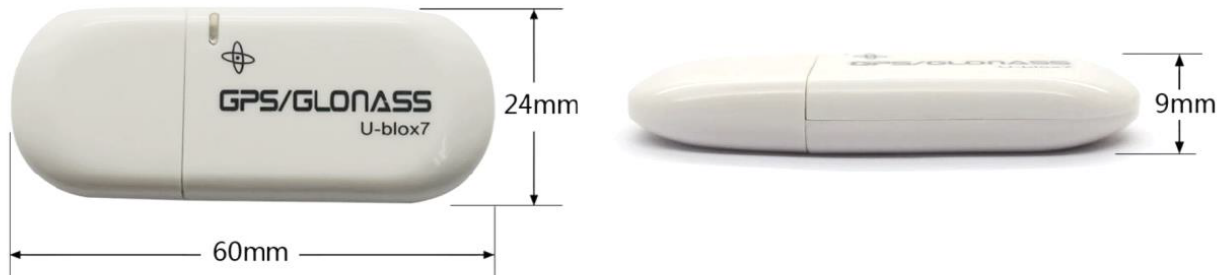


The TEL0137 GPS receiver adopts a high-precision positioning chip and industrial-grade manufacturing process so that it can meet the positioning requirements of both industrial-grade and personal use. This receiver also adopts USB interface that can be conveniently used in main controllers like Raspberry Pi, NVIDIA, and LattePanda.

## Specifications

- L1, 1575.42MHz / L2, 1561.10MHz / L3, 1602.00MHz frequencies
- 4800, 9600, 19200, 38400, 57600, and 115200bps baud rates
- 56 receiving channel
- Sensitivity:
  - -162dBm tracking
  - 160dBm acquisition
  - -148dBm cold start
- 29s average cold start
- 3s average warm start
- 1s average hot start
- Accuracy:
  - Horizontal position accuracy <2.5M and SBAS <2.0M
  - 30ns timing accuracy
- 1Hz update rate
- 60mm x 24mm x 9mm outline dimensions
- -40°C to 85°C operating temperature range

## Dimensions



## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-tel0137-usb-gps-receiver/>