

XGPS360S Feature and Spec Sheet

Project Name : Universal GPS Receiver

KEY FEATURES*

- Compatible with iOS and Android
- Decimeter dynamic positioning
- with Swift's Skylark™ wide area
- 10 hour battery operation
- Dual Frequency GNSS support
- GPS, Galileo and BDS
- Integrated IMU (inertial measurement unit)
- Bluetooth connectivity
- Utilizes Swift's advanced Starling® positioning engine

GENERAL

- High-sensitivity, dual-band GNSS receiver
- Works with most apps that require GPS
- Supports both NMEA and iOS protocols
- Small and light
- Operating time : ~10 hours (for 1 device)
- Charging time : ~3 hours
- Input voltage: 5 VDC
- Internal Battery Capacity : 1400 mAh

Environmental Requirements

- Operating temp : 14°F - 140°F (-10°C - 60°C)
- Storage temp : -4°F - 176°F (-20°C - 80°C)
- Relative humidity : 5% - 95%

Dimensions (W x H x D in mm)

- XGPS360S Body(mm) : 55.0 x 70.0 x 22.0
- Non-slip pad (mm) : 107.0 x 122.0 x 25.0

GPS/GNSS

- GNSS supported simultaneously
- SBAS (WASS, MSAS, EGNOS, GAGAN)
- GPS: L1 1575.42 MHz
- Cold Start: <29 sec. Typical (open sky)
- Warm Start: <25 sec. Typical (open sky)

Bluetooth

- Qualcomm Chipset
- Version 4.2 + EDR
- Range: ~10m (~33ft.) (open space)

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada Statement

This device complies with RSS-247 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Industry Canada Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

XGPS360S – DashPro GPS Receiver

Introduction

The XGPS360S DashPro GPS Receiver features fast signal acquisition and 10Hz positioning updates, making it an ideal GPS for pilots, race car drivers and other fast moving applications. The WAAS receiver is compatible with both GPS (USA) and GLONASS (Russia) systems and it connects via Bluetooth to up to 5 Apple or Android devices.

Once paired with your device the GPS Receiver will provide high-accuracy GPS location data to hundreds of app. The XGPS360S will remember the device to which it was previously paired for an easy automatic connection.

This GPS Receiver also comes with a useful GPS Status Tool app. (Available free on the iTunes App Store/Google Play Store). The app allows you to turn on and off the automatic route recording feature, and to export the stored log file information. The Status Tool app also shows detailed information from the GPS Receiver including:

- Your location (or whether the device is still determining where you are)
- How many satellites the device sees and the signal strength of each satellite
- The battery level of the GPS Receiver, and whether or not it is charging
- Confirmation the GPS Receiver is successfully connected to your iPad/iPod touch/iPhone

The DashPro GPS Receiver also includes a non-slip pad for use in a cockpit, car or a boat.

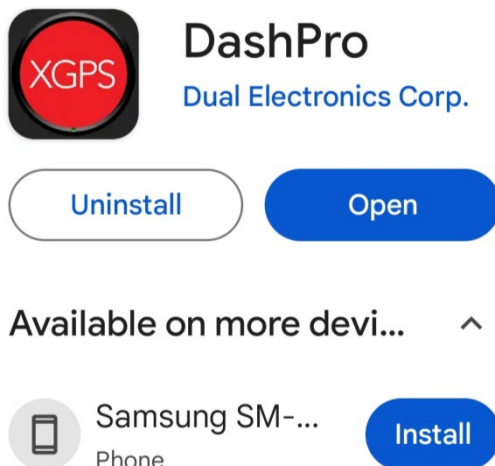
Installation

Put the unit in the silicon pad and place it on the car or airplane dash board.

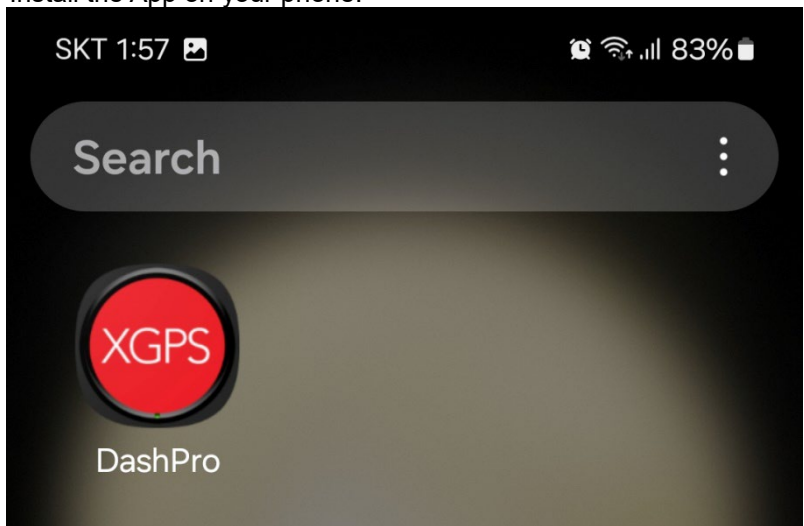


Operation

1. Download the DashPro App from the Apple App store or Google Play store





2. Install the App on your phone.




3. After pairing the XGPS360S with Bluetooth on your phone, you can check the connection and battery charging status of the XGPS360S on your phone by operating the DashPro App.


XGPS360S










XGPS360SA









XGPS360SAD







SKT 1:48

84%

STATUS

i


Device Status

Connecting Device

DashPro-060728

Battery

100%



Firmware Version

1.0.63

Position Information

Latitude

37.475464°N

Longitude

126.881577°E

Altitude

270.80 ft

UTC

04:48:03.00

Heading

N/A

Speed

0.03 knots

Correction Age

N/A

Fix Type

SPP Fix

STATUS

SATELLITES

TRIPS

MARK&TRACE

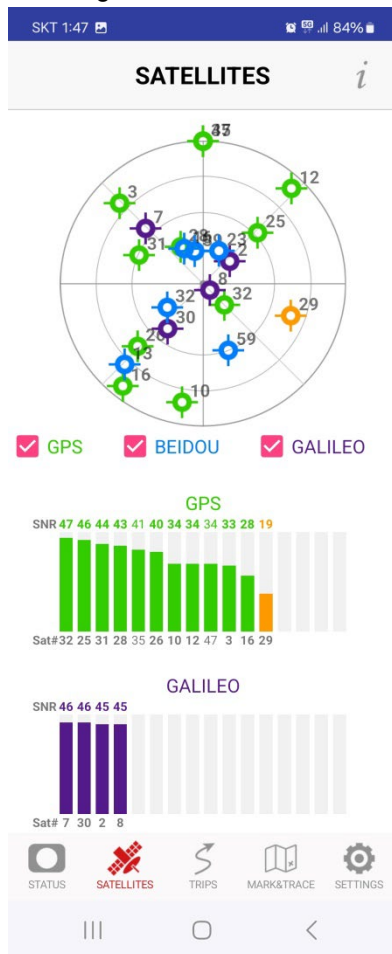
SETTINGS

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5. You can check various information by pressing the icon at the bottom of your phone's APP. Please refer to the image below.



SKT 1:48 84%

SETTINGS

Show speed in : ☐ knots ☐ mph ☐ kph

Show altitude in : ☐ feet ☐ meters

Display position as : ☐ 12°34'56" ☐ 12°34.56' ☐ 12.3456°

Always record position when turned on : ☐ Yes ☐ No

When memory is full : ☐ Overwrite old ☐ Stop recording

Streaming rate : ☐ 1Hz

Streaming format : ☐ NMEA

Logging interval : ☐ 25sec

Use XGPS DashPro Position : ☐

Corrections Setup

STATUS SATELLITES TRIPS MARK&TRACE SETTINGS