

Instruction Manual



PBOX

GNSS-Based Drag Performance Analyzer

XP-990006 GPB01 V1.0

XPARKLE

Xparkle GPB01 is a self-contained unit with an all-in-one GPS data logger and performance meter. It utilizes a fully calibrated GPS engine delivering precision and accuracy at 10Hz. The latest Ublox M8 high-performance GPS module equipped in GPB01 leverages a multi-GNSS system for simultaneous reception of GPS and GLONASS

The built-in Bluetooth makes reading data on the fly in the field.

Real-time results are displayed in the free App from the Android or IOS device.

This performance analyzer definitely turns dull data into helpful analytics for drivers!

Features

- Simultaneous reception of GPS and GLONASS at 10Hz.
- 500mAh battery for up to 6 hours of continuous measurement.
- The weight is as light as approximately 40g.
- The fastest search speed of satellites is as fast as 18 seconds.
- Video drag is available for single performance measurement.
- Measure acceleration and braking time.
- Customize drag performance measurements.

What is inside the box



Analyzer*1



Instruction Manual*1



USB Cable*1

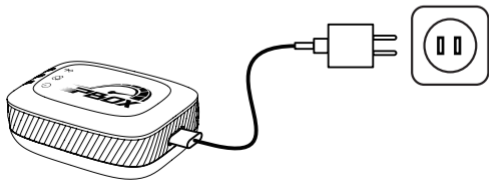
Specifications

Item	Option	Specs
Battery	Lithium	3.7V 500mAh
Working hours	Continuously	Max. 6 hours
Input voltage		5V
Input port		Type C
Power switch	Turn on	Short press the button for 0.5 seconds
	Turn off	Hold the button for 3 seconds

Item	Option	Specs
LED status	Power (White)	Constant white: 1. charging completes 2. battery capacity is higher than 20%
		Flashing in white: Battery capacity is less than 20%
		Breathing in white: The device is charging
		Light off: The device is shut down
	Satellite (Green)	Constant green: The signal is great
		Flashing in green: The signal is weak
		Light off: There is no signal
	Bluetooth (Blue)	Constant Blue: The Bluetooth is connected
Flashing in blue: The Bluetooth is waiting for a connection.		
Communication	Bluetooth 4.0	2.4GHz
	Range	About 15m
Firmware upgrade		APP (Android/IOS)
Update frequency		10Hz
Size	L*W*H	53.8*39.5*18.8mm
Net weight		About 40g

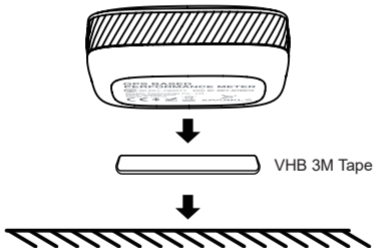
Charging the device

1. Use the USB cable to connect the computer or another USB power source to the USB port.
2. Attach the other end of the USB cable to the USB Charging Port (F).
3. The device will start charging automatically.
4. The power icon will breathe a white light during charging.
5. When charging is complete, the battery icon will be full and stay steady in white.
6. Disconnect the USB cable from the device and the USB power source.



Mounting the device

1. Determine where you would like to install the device. Ensure GPB01 has the best possible view of the sky to avoid interface.
2. Make sure the surface is clean. Remove any dirt or debris.
3. Use the double-sided tape to secure the device to the surface.



Connecting the device

1. Download the App from the App Store or Google Play, and open the App on your smartphone.
2. Turn on location service and Bluetooth on your smartphone.
3. Power on the device, and open the App to connect to your smartphone.
4. Enable the permissions, then go to App.
5. Set up your account, and manage to add your device first.
6. Start to measure your drag performance right away.



Measuring the performance

Single Performance Measurement


Choose or customize a drag performance you like to measure.

Click to Start after you have made a decision.

Drag +

0-100 KM/H	0-200 KM/H	0-100 M
0-200 M0	-400 M0	-800 M
0-1600 M1	00-0 KM/H	


Single Multiple **▶ Start**



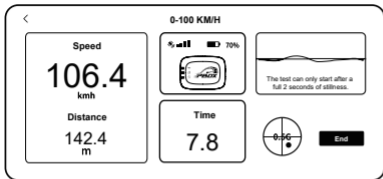
There are two modes available: Normal Mode and Video Mode. Fix your smartphone in a proper place after selection.

Normal Mode

Video Mode



Start to measure your desired drag performance.

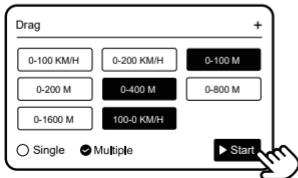


Note: Video Mode is only supported in Single Performance Measurement.

Multi Performance Measurement

Choose or customize the drag performances you like to measure.

Click to Start after you have made a decision.



Setting the App.

By clicking the option My at the bottom, you can customize the device according to your personal preference!



- Manage to add a new box or delete the existing box;
- You can rename the box;
- Check all the records the box has acquired;
- Switch between imperial and metric measurements;
- If there is a newer firmware, you will get prompted to upgrade;
- You can delete a record you do not need anymore;

Warranty and Service

We guarantee this product to be free of manufacturing and assembly defects for one year from the time of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase. During that period, we will repair or replace free of service charge for products deemed defective due to those causes. This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification, or as a result of failure to observe the procedures outlined in this manual.

Note

The warranty service is valid in China only.

If you need warranty service overseas, please contact your dealer in the first instance, who is responsible for processing guarantee claims overseas. Due to high shipping cost, complicated custom clearance procedures to send back to China.

Please understand SkyRC can't provide warranty service to overseas end users directly. If you have any questions which are not mentioned in the manual, please feel free to send email to support@xparkle.com



Manufactured by
SKYRC TECHNOLOGY CO., LTD.

The manual is subject to change without notice;
please refer to our website for the latest version!



www.xparkle.com

© 2024.01

7504-1819-01