



GP-BTD Bluetooth Dongle Owner's Manual



With the Go Power! Bluetooth Dongle you can pair your phone to the Go Power! Connect app to receive live status info, see historical values from your GP-BMK.

Compatible Go Power! Products

The dongle can be connected to the Go Power! Battery Monitor (GP-BMK-50).

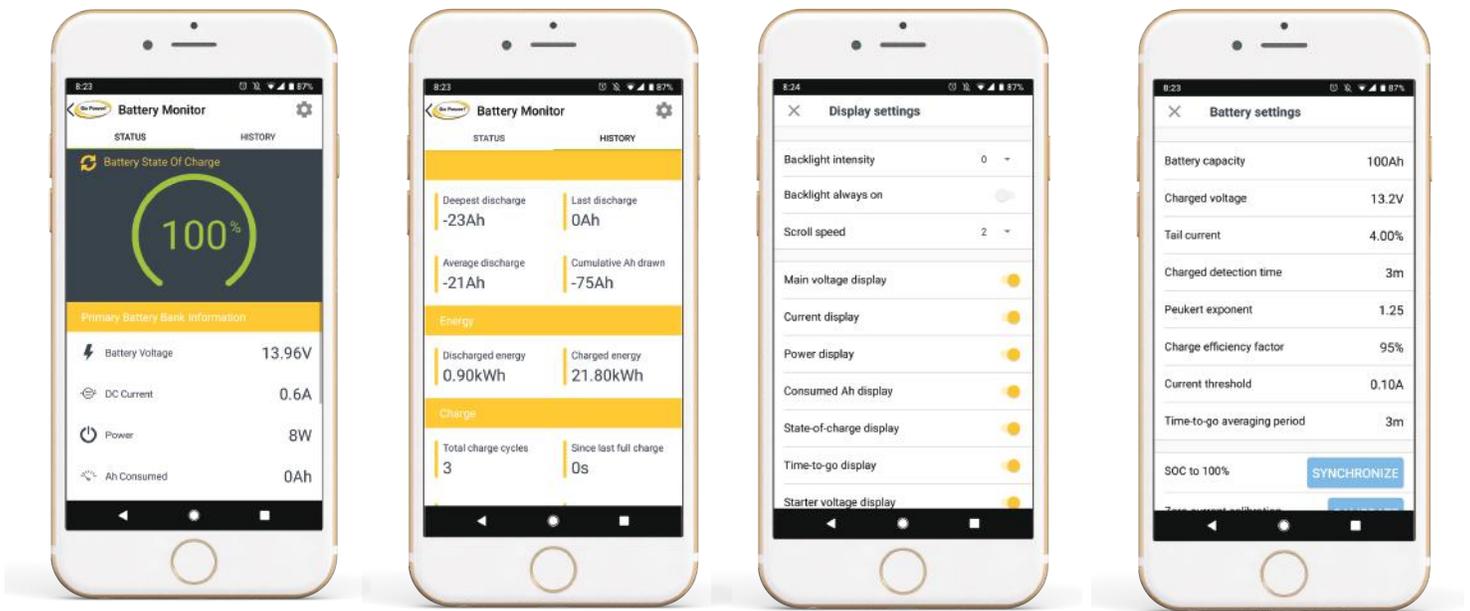
Installing the Bluetooth Dongle

- Connect your Go Power! Bluetooth Dongle directly to your battery monitor.
- It is not possible to extend the direct cable.
- After connecting the first time, the Blue and Red LED will be blinking fast and alternating.
- The dongle will need to be updated to the latest firmware. This will happen automatically when connecting it for the first time to the GP-BMK-50.

See the GP-BMK-50 manual for more information.

Supported phones, tablets and computers

See the GP-BMK-50 manual for more information.



Go Power! Connect App

The Go Power! Bluetooth Dongle works together with our exclusive Go Power! Connect app. The free app is available for iPhone, iPad and Android devices.

LED Status Codes

The dongle has two LEDs, a Bluetooth status LED (blue), and an error LED (red).

On power-up, both LEDs will be on or alternating quickly (fast blinking).

When both LEDs are on, the dongle contains valid firmware and will act as a Go Power! Connect gateway. When both LEDs stay on, something is wrong with the Bluetooth connection.

When the LEDs are alternating quickly, the dongle is in firmware update mode and it will show up as dongle in Go Power! Battery Tracker. After connecting, a firmware update can be performed. When the dongle already contains valid firmware, it will fall back to normal operation after 30 seconds.

Blue LED	Red LED	Dongle state	Connection State	Remark
On	On	Go Power! Bluetooth	Disabled	Go Power! communication problem. The dongle will not advertise itself so it will not be visible in Go Power! Connect.
Slow blinking	Off	Go Power! Bluetooth	Not connected	
On	Off	Go Power! Bluetooth	Connected	
Double flash	Double flash	Go Power! Bluetooth	Clearing pin	
Fast blinking	Fast blinking	Firmware update	Not connected	Red and Blue LED Alternating
On	Slow blinking	Firmware update	Connected	
On	Faster blinking	Firmware update	Uploading	
Fast blinking	Off	Firmware update	Programming	

Troubleshooting

NOTE:

Troubleshooting videos are available at gpelectric.com/support.

"I don't see my product in the discovery screen."

- Only one phone or tablet can be connected to a dongle at the same time. Make sure no other devices are connected to the dongle, and try again.
- Make sure the dongle is connected to a supported device, check that the devices are powered, and the LEDs blink when connecting the cable or power is turned on. The dongle is powered via the Go Power! Bluetooth Dongle cable connection.

Troubleshooting

“I cannot connect via Bluetooth”

- Make sure you are close enough to the dongle. In open space, a distance of up to approximately 20 meters should work.
- Connection issues might be caused by an incorrect Bluetooth pairing. Try re-pairing by first removing the pairing from the phone: go to your phone's Settings, then click Bluetooth. Click the (i)-icon next to any *Go Power! Battery Tracker* device and choose *Forget This Device*. Then, open the *Battery Tracker* app again and pull down the discovery screen to rediscover products. Set the dongle in pairing mode by clicking the button on the dongle, then click the Go Power! product in the app's discovery screen. Confirm the pairing and you should now be connected to the dongle.

“My Go Power! Connect app won't connect. What should I do?”

- Ensure that the product it is connected to is working properly.
- Try to disconnect the dongle and reconnect to the BMK.

Update Dongle Firmware

After connecting with a new Go Power! Battery Tracker version for the first time, it might be that the firmware of the dongle needs to be updated, follow the instructions displayed on Go Power! Battery Tracker to complete the process.

Current Draw

When not connected via Bluetooth	< 1mA
When connected via Bluetooth	< 2.5mA

Product Dimensions

Housing	Hammond Manufacturing 1551GFL
Dimensions	67.30mm x 35.00 x 21.5
Cable Length	1.5m



Go Power! Connect™ Connectivity Instructions

Welcome to the Go Power! Connect™ Manual. You can use the Connect app to configure, monitor and diagnose all our products which have built-in Bluetooth capability or are equipped with a Go Power! direct port.

For a complete list of products compatible with Go Power! Connect, please visit gpelectric.com.

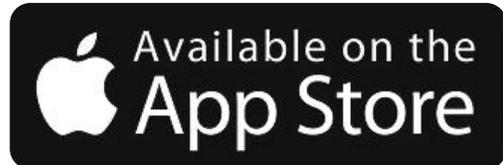
Go Power Connect™ can be used on devices running Android or iOS.



Go Power! Connect™



Available on



1. Download and Installation

Go Power Connect™ is available to users of iOS and Android phones, as well as tablets. Visit get.gpelectric.com/connect to download the app suitable for your device.

2. Bluetooth Dongle - Pairing and Connecting

1. Open Go Power! Connect™
2. On your Phone or Tablet: pull down the screen to initiate a scan for available devices.
3. The first time you attempt to connect the phone will ask to 'pair' with the device.
Enter the pin code. The default pin code is 000000.
4. Connection is complete.

If connection was not successful please refer to section **9. Troubleshooting** below.

Note: Always connect from within the Go Power! Connect™ app. Do not connect from the device's system menu because the app will not find your Go Power! product.

2.2 Changing the Bluetooth PIN code

To prevent unauthorised connections to your device we recommended you change the PIN code. Avoid using obvious PIN codes such as 111111 or 123456.

To change the PIN code: First complete your connection; then go to the **Product Info** page. To access

that page, click the button on the upper right. For some products it will be the settings icon: 

After opening that menu press , and click Product Info.

For other products you'll find the  button on the upper right, which takes you straight to the Product Info page.

3. Compatibility notes on phones and tablets

3.1 Android Devices

The minimum required Android version to run the Go Power Connect™ app is 4.1.

The minimum required Android version to connect to the Go Power! Connect™ via Bluetooth is 4.3.

Access to location services required?

Android 6 and later requires access permission for the Connectivity app to access location services. Otherwise it can not scan for the Bluetooth devices.

Besides permitting access to its data, the location services also needs to be enabled in many (but not all) cases.

Note that after enabling location services, the GPS itself can be switched off again: the Android location services are more than GPS. Bluetooth and WiFi- scan results can technically also be used to approximate the devices location; hence these requirements.

Despite the text above, you can be sure that the Connectivity app is not interested in, nor tracking your location.

3.2 Apple iOS iPhones and iPads

The Connectivity app works on the following iPhones and iPads, which have Bluetooth 4.0 (BT LE) and iOS 8 or later, which is required:

- Phone 4S and later (due to Bluetooth Low Energy support)
- iPad 3rd generation and later

Unfortunately Apple iPhone/iPad doesn't support USB OTG.