

USER GUIDE

iTECHWORLD CONNECT™

BATTERY MANAGEMENT APP



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INTRODUCTION

The iTechworld Connect app adds a new dimension to iTechworld device management, providing a comprehensive interface for monitoring and controlling your iTechworld product. The app facilitates real-time access to critical data, allowing you to track battery performance metrics, voltage levels, and control operations remotely.

Please read through this user guide to find out more about how to use the iTechworld Connect app.

DOWNLOADING THE APP

The iTechworld Connect app can connect to the next-generation iTechworld Products via Bluetooth and can fetch important information from them. The app is available for both Android and iOS devices and helps to configure, monitor, and control the iTechworld compatible product.

Download the iTechworld Connect app by scanning one of the QR codes below or by heading to your respective app store and searching for 'iTechworld Connect'.



IOS



ANDROID

ACCOUNT SETUP

Once the app has finished downloading, you will briefly see the start-up screen before being prompted to sign in or create an account.

NOTE: Ensure Bluetooth is enabled on your device before launching the app. The app requires an active Bluetooth connection to detect and pair with nearby iTechworld devices.

Create New Account

1. Tap Create New Account on the welcome screen.
2. Enter your email address, phone number, and a password that meets the requirements shown on screen.
3. Tick the box to agree to the Terms of Use and Privacy Policy.
4. Tap Create Account. A verification email will be sent to the address provided.
5. Open the email and follow the link to verify your account before logging in.

Signing In to an Existing Account

You can sign in using one of two methods:

- **Google:** Tap Sign in with Google and follow the prompts to authenticate with your Google account.
- **Email:** Tap Login with Email, enter your registered email address and password, then tap Log In. If you have forgotten your password, tap Forgot Password to receive a reset link.

CONNECTING TO YOUR DEVICE

Battery, Power Station and Gang Switch

From the app's home screen, tap **+ Add a Device** to open the connections screen. You can then connect to your Bluetooth device in one of two ways:

- **Nearby Devices:** Your device will automatically scan for nearby devices. Tap on your battery, power station or gang switch when it appears in the list.
- **Scan QR Code:** Tap Scan QR Code at the bottom of the screen and point your camera at the QR code on the battery.

NOTE: The app can be paired with multiple iTechworld products, but can only monitor and control one at a time.

SWITCHING BETWEEN DEVICES

To switch between paired devices, tap the arrow in the top left corner to return to the connections menu, then tap the device you wish to monitor.

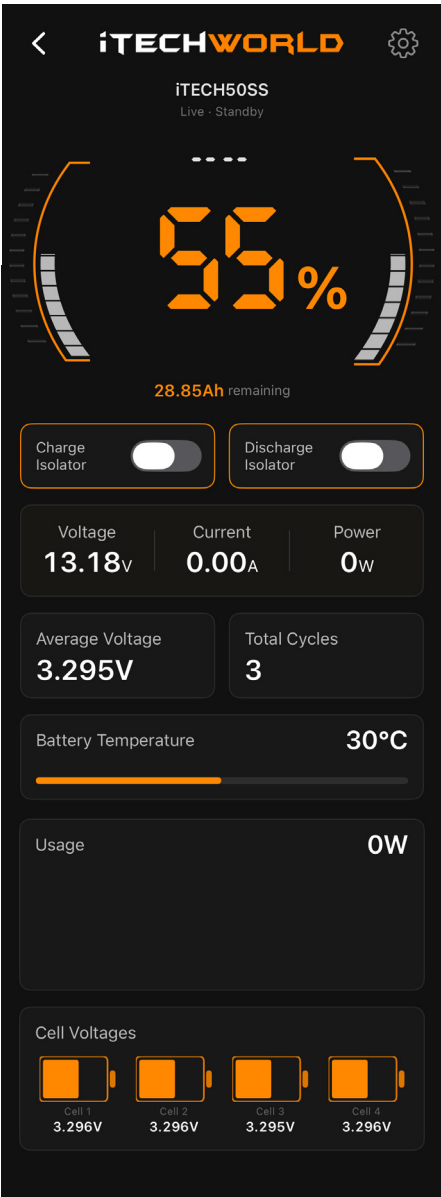
NOTE: If the app is closed on one device, it will automatically reconnect to a previously paired product when reopened on another device.

BATTERY OVERVIEW & SETTINGS

BATTERY MAIN MENU

The main menu displays live data for the connected battery, including:

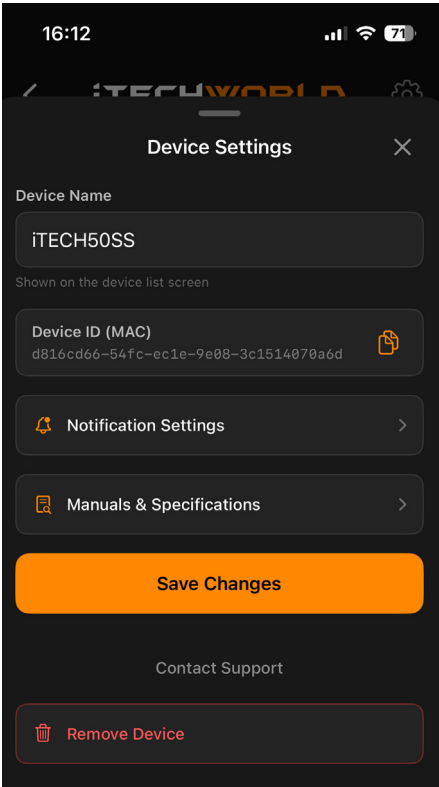
- **SOC:** State of Charge (%).
- **Remaining Ah:** Remaining amp hour capacity.
- **Charge Isolator:** Enable or disable charging without physically removing the charging source.
- **Discharge Isolator:** Enable or disable power output without physically removing the load.
- **Voltage (V) / Current (A) / Power (W)**
- **Average Cell Voltage**
- **Total Cycle Count**
- **Battery Temperature**
- **Usage History**
- **Cell Voltages**
- **Active Protections**



BATTERY DEVICE SETTINGS

The Device Settings menu provides battery-specific information and controls, including:

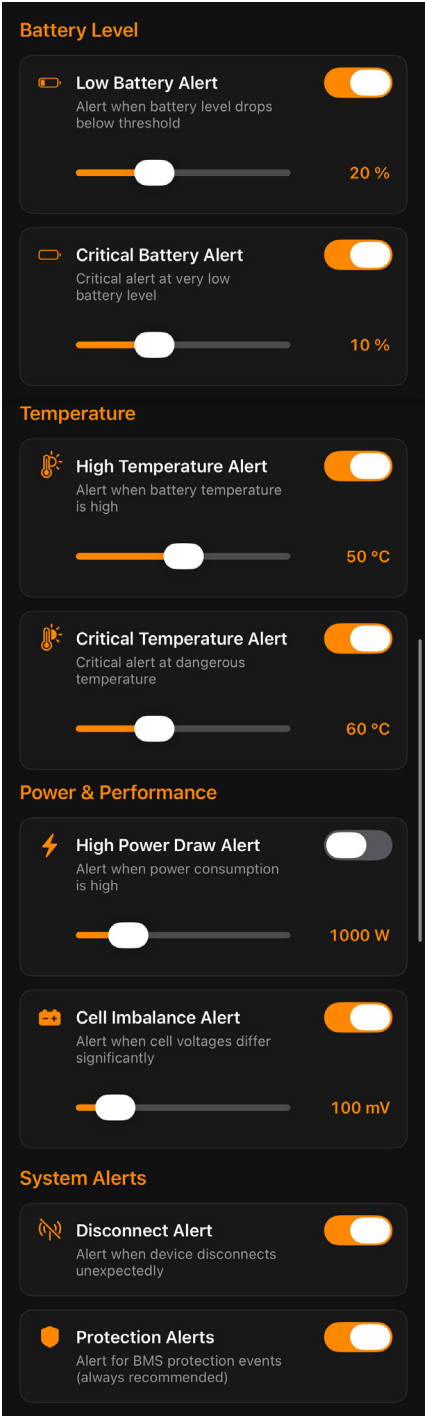
- **Device Name:** Edit the Bluetooth name shown in the connections menu.
- **Battery Model:** View the connected battery's model information.
- **Notification Settings:** Configure alerts for key battery events.
- **Alert History:** Review a log of past battery alerts.
- **Manuals & Specifications:** Access the battery's documentation directly from the app.



NOTIFICATION SETTINGS

The Device Settings menu provides battery-specific information and controls, including:

- **Battery Level:** Receive a notification when the battery percentage has dropped below your desired level or reached a critical level.
- **Temperature:** Receive a notification when your battery exceeds your desired threshold or reaches a critical temperature.
- **Power & Performance:** Receive a notification when the power draw exceeds your desired threshold and the difference between cell voltages is too high.
- **System Alerts:** Receive a notification when the device unexpectedly disconnects from your device or the device's BMS protection triggers.

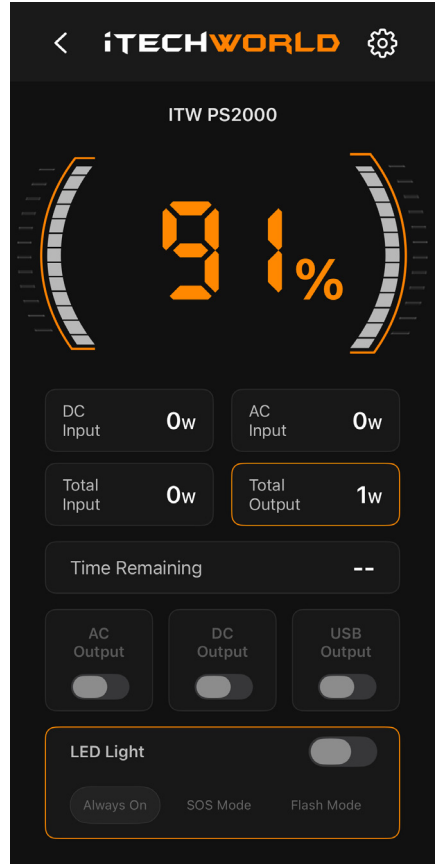


POWER STATION OVERVIEW & SETTINGS

POWER STATION MAIN MENU

The main menu displays live data for the connected power station, including:

- **SOC:** State of Charge (%).
- **DC Input / AC Input:** DC and AC power currently flowing into the unit (W).
- **Total Input / Total Output:** Combined input and output power (W).
- **Time Remaining:** Estimated runtime at current load.
- **AC Isolator / DC Isolator / USB Isolator:** Independently enable or disable each output type.
- **LED Light:** Toggle the built-in light and select Always On, SOS Mode, or Flash Mode.



POWER STATION DEVICE SETTINGS

The Device Settings menu provides power station specific information and controls, including:

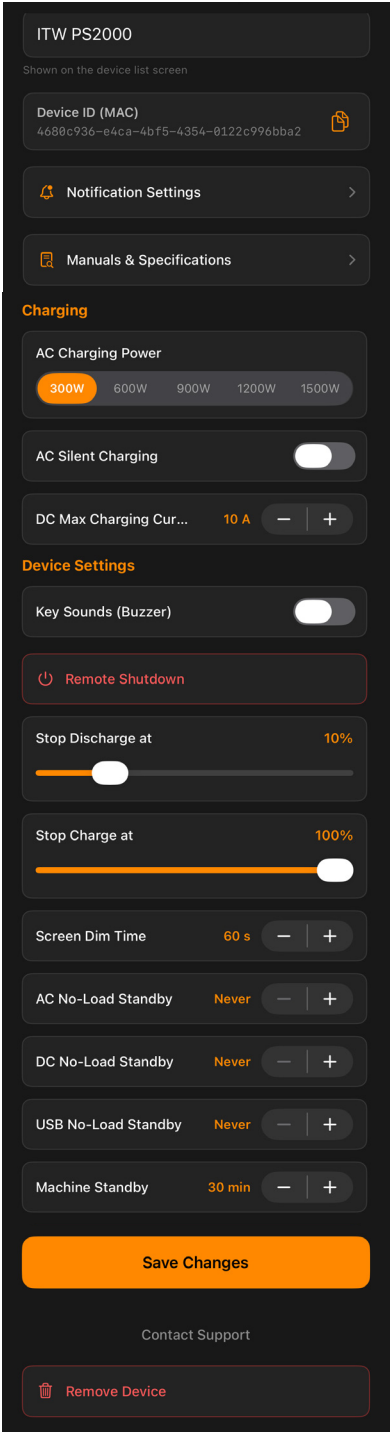
- **Device Name:** Edit the Bluetooth name shown in the connections menu.
- **Power Station Model:** View the connected unit's model information.
- **Notification Settings:** Configure alerts for key power station events.
- **Manuals & Specifications:** Access the unit's documentation directly from the app.

Charging Settings:

- **AC Input / DC Input:** Set the maximum charging input for AC and DC sources.
- **AC Silent Charging:** Reduces fan noise when charging from AC, at the expense of input power.

Device Settings

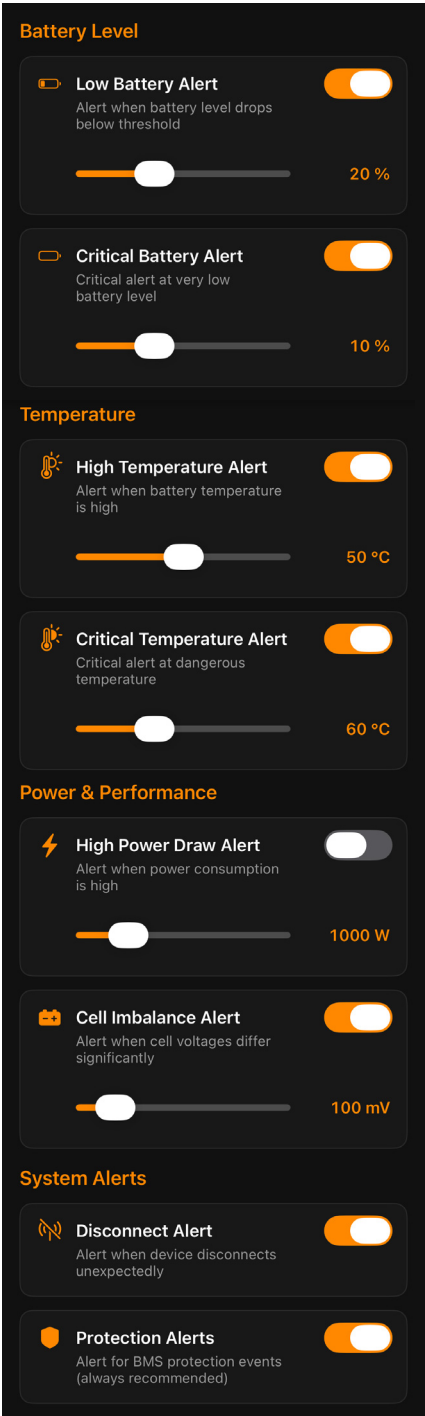
- **Charge Limit / Discharge Limit:** Set the percentage to which the unit charges or discharges.
- **Timed Settings:** Specify how long certain features will run.



NOTIFICATION SETTINGS

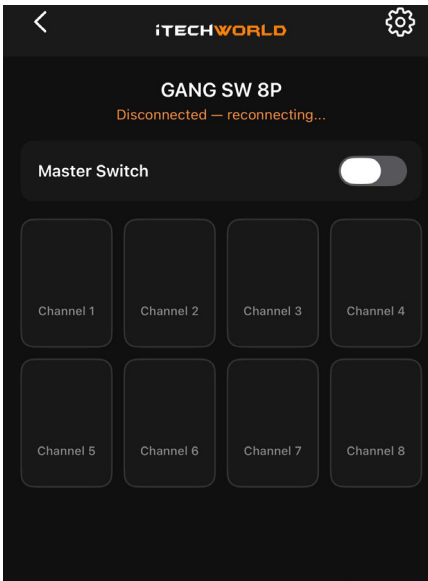
The Device Settings menu provides battery-specific information and controls, including:

- **Battery Level:** Receive a notification when the battery percentage drops below your desired level or when at a critical level.
- **Temperature:** Receive a notification when the battery temperature exceeds your desired level or reaches a critical level.
- **Power & Performance:** Receive a notification when the power being drawn from your unit exceeds your desired wattage or when the difference between cell voltages is too high.
- **System Alerts:** Receive a notification when your device's Bluetooth disconnects unexpectedly or the internal BMS protections have triggered.



GANG SWITCH OVERVIEW & SETTINGS

This Gang Switch features built-in Bluetooth connectivity, turning your phone into a wireless remote for your setup. Using the iTechworld Connect app, you can monitor and control every switch just as you would from the physical panel, giving you a second, portable way to operate your accessories.

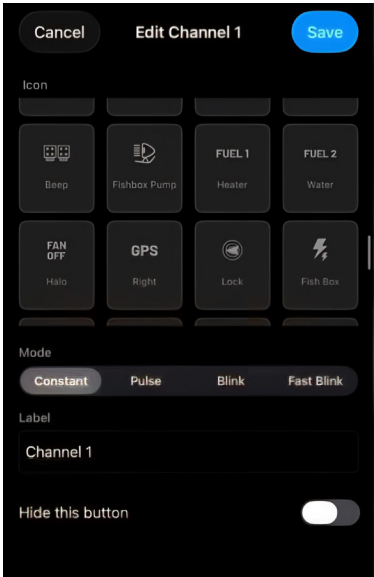
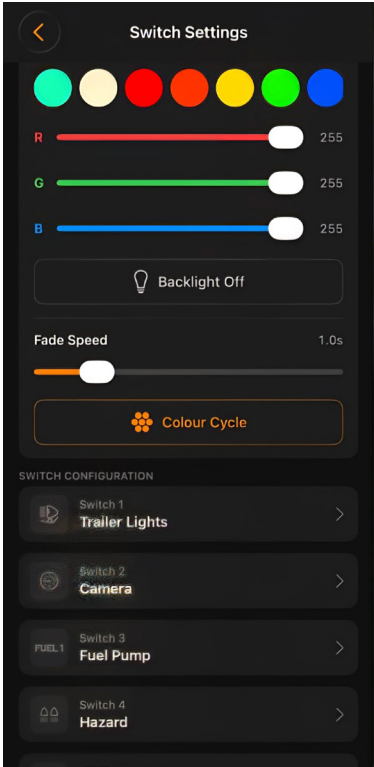


From the main menu you have the ability to completely isolate the gang switch via the **Master Switch** and access the **Switch Settings**. These switch settings include:

- Renaming the gang switch on the app.
- Custom backlight colour and fade speed
- Switch configurations

Go one step further by clicking each tab below **Switch Configuration** and you will the ability to do the following:

- Assign a custom label
- Select a symbol to represent your load
- Select a load output type (Constant, Pulse, Blink, Fast Blink)



TROUBLESHOOTING

Before you proceed with the troubleshooting steps below, restart your device fully. Simply locking and unlocking your device will not suffice. Please refer to your device's instructions for restarting your specific device.

If your product is not listed:

1. Make sure you have an iTechworld product with a Bluetooth symbol.
2. Confirm that your product is within the Bluetooth range.
3. Ensure no other device is connected to the product.
4. Ensure you are going through the iTechworld Connect app and not your device's Bluetooth settings.
5. Verify Bluetooth is enabled on your device.

If you can see your product but can't connect to it:

1. Ensure you're attempting to connect to the correct product.
2. Ensure your product is still within Bluetooth range, just seeing it doesn't guarantee a successful connection.
3. Verify Bluetooth is still enabled on your phone. Disabling Bluetooth after the initial pairing may allow you to see the product but not connect to it.

If you are still experiencing issues please contact the iTechworld Service Centre service@itechworld.com.au.

DISCLAIMER

Compatibility of the iTechworld Connect with different devices hasn't been universally tested. To find out if the app is compatible with your specific device, visit the application pages with the respective app stores to check the compatibility details.

The details and percentages provided in the iTechworld Connect are estimations. For precise information, iTechworld recommend purchasing the iTECHBM500, which utilises a shunt for exact accuracy.

Disclaimer: While iTechworld has taken every precaution to ensure the accuracy of the contents of this user guide, iTechworld assumes no responsibility for any errors or omissions.

Furthermore, all specifications and functionality may change at any time without notice.

It is best to view our website for the most up-to date information.

iTECHWORLD

THE POWER EXPERT

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At iTechworld, we proudly lead the way in pioneering innovative off-grid power and battery solutions that bring cutting-edge technology to adventure seekers, remote workers, and outdoor enthusiasts across Australia. Since we began our journey all the way back in 2006, our passion has been to develop high-performance lithium batteries, solar panels, power stations, generators, and battery management systems tailored to caravans, camping, 4WDs, and off-grid living.

We believe in empowering people with reliable, portable, and efficient energy solutions, giving them the power they need—wherever their journey takes them. Our commitment to quality is unwavering, with every product rigorously tested to meet Australian conditions and backed by our knowledgeable power experts.

Driven by innovation, reliability, and sustainability, iTechworld is your trusted partner in power solutions, helping you stay powered anywhere, anytime.

iTechworld. The Power Expert.

LOVE YOUR iTECHWORLD CONNECT APP? LEAVE A REVIEW



Google
Reviews ★★★★★



**PRODUCT
REVIEW**
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Trustpilot
★★★★★