GRIT Power Bank

The GRIT Power Bank is a 12V DC, 20A centralized power supply for compatible 12V GRIT devices. The 20A rating is the total available across both outputs combined. It is not a per-port rating. Requires a GRIT Hub for control.

The Power Bank communicates wirelessly with the GRIT Hub via the mesh network, enabling system-wide lock events that simultaneously cut power to all connected devices. Housed in a wall-mountable PLA enclosure, the unit features two outgoing power ports with push-down terminal jacks and a Red/Green LED status indicator — red indicates the unit is locked and no power is flowing to connected devices, while green indicates the unit is unlocked and power is active.

Size a Gate Control installation for the gates that may move at the same time, their current draw, and wire length. Keep the combined load within the 20A supply rating.

Large gates and long cable runs may require fewer devices per Power Bank. Distribute the load between the two outputs and use wiring and connectors rated for each branch. Bind the Power Bank to the Hub and set Enable Power Supply to Yes before expecting output power. The photographs show the terminal-adapter version; follow the polarity markings on your hardware.

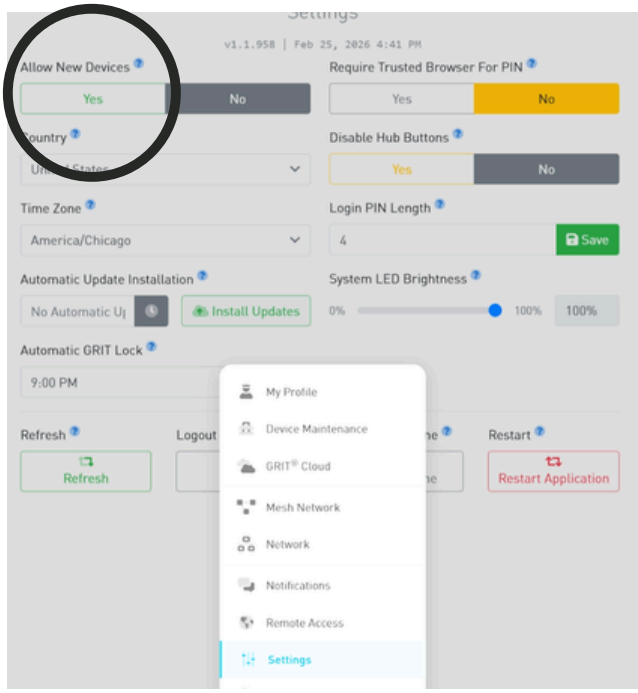
1. Red/Green LED status indicator
2. 120v power cable
3. 12VDC output jacks
4. Housing bracket mounting holes

Installation and Configuration

The instructions to install and configure your Power Bank within the GRIT App are listed below.

Step 1:
Choose a central location for the Power Bank, close to a 120v wall outlet, and mount to the wall.

Step 2:
Plug the provided power cord into the bottom of the Power Bank, then into the wall outlet.



Step 3:
With the device installed, Bind the Power Bank to the Hub.

Admin-->Settings-->Allow New Devices set to 'Yes'

or

Press the center, blue Bind button on the front of the Hub

***Important: Power will NOT FLOW from the Power Bank until the device is bound to its Hub.**

Step 4:
After running low-voltage wire to your devices, land the homeruns into the jacks for the Power Bank ports.

With DC power, polarity matters.

Positive (+) = **Red** on the jack
Negative (-) = **Black** on the jack

***The positive and negative landing sides may differ from the terminal sides on the Gate Control devices.**

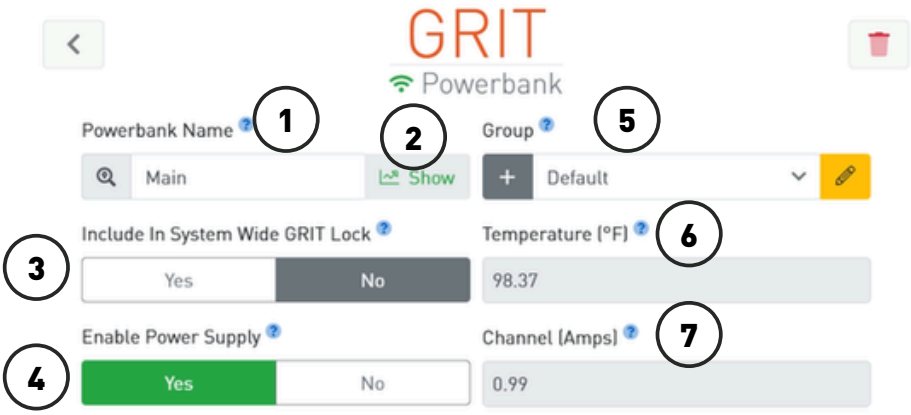
Step 5:
To allow power to flow from the unit, you will need to make sure the Power Bank is 'Unlocked'.

The Red/Green LED indicator light will be:

Red when Locked
Green when Unlocked

Configuration

Devices-->Power Bank--> *select specific power bank to configure*



1. Editable name field
2. Device power graph
3. Include in System Wide GRIT Lock setting would have the Power Bank Lock (cutting power to all associated devices) when 'Yes' is selected
4. Enable Power Supply unlocks the power bank when 'Yes' is selected
5. Editable device grouping
6. Temperature reading from the device's PCB to check that the unit is not being overloaded
7. Channel (Amps) shows the collective amperage draw from associated devices across the two ports