SMARTBRIDGE 200 W LED DRIVER

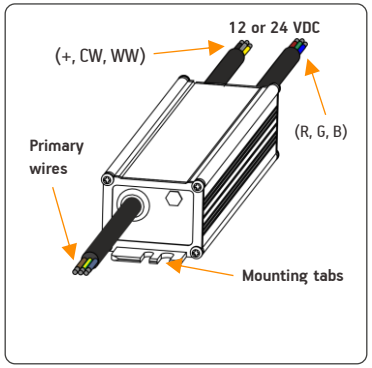
INSTALLATION GUIDE FOR MODEL: BPSS-200-12/24V.1-W5C-T

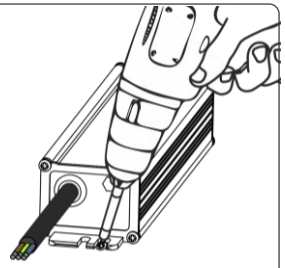
READ THE INSTRUCTIONS CAREFULLY BEFORE MOUNTING

- Power supply operating temperature is from -40 to +60 °C. To ensure adequate ventilation, mounting power supplies without a secondary enclosure is recommended.
- Space power supplies by standard knockout locations 19 mm minimum. If two or more power supplies are used, spacing must be at least 25 mm end-to-end, and 102 mm on each side. Power supply spacing to thermoplastic, wood, fibre, or other combustible enclosure materials must be 25 mm.
- Ensure power supplies are not overloaded by verifying :

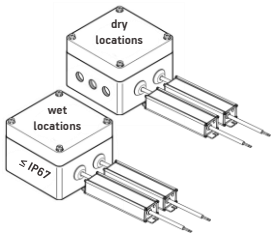
FOR	OUTPUT CURRENT IS	FOR BEST PERFORMANCE RECCOMENDING
12V	< 16.67 A	< 13.34 A
24 V	< 8.33 A	< 6.66 A

- Use of photocells or timing device is recommended to ensure power supplies are off during day light hours, when sign illumination is not needed. Higher daytime temperatures and unnecessary operation may shorten power supply lifetime.

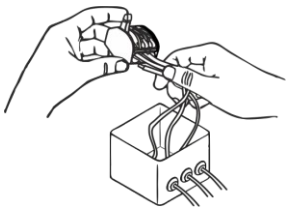




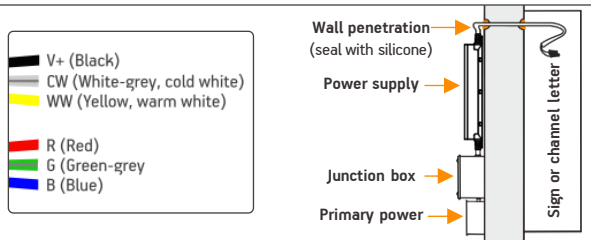
2. **Mount power supplies:** use mounting tab in corner to secure power supply.



3. **Configure power supplies:** secure power supplies to junction box. Power supplies may be joined together in a wide array of configurations. For wet locations use a junction box that has IP class for wet locations.



4. **Connect Primary.**
CAUTION: Have a licensed electrician connect primary input



5. **Make secondary connections:** Ensure all secondary connections are secure before proceeding. Connect the product's positive wire to the Black wire on the power supply. Connect the product's negative wire to one of the five channels based on your requirement. If wires go through wall - seal with silicone to avoid water damage. Also check and fix with gasket or other rubber material sharp edges because it can damage the wire and there could occur short circuit connections

COMPARISON TABLE OF BLUETOOTH VS. WI-FI MODE

FEATURE	BLUETOOTH MODE	WI-FI MODE
Control Range	short-range (up to ~10m)	remote control from anywhere
Connection Type	direct connection	cloud-based
Max Devices	up to 200 devices	up to 200 devices
GPS Requirement	must be ON	only for initial setup
Internet Required?	no	yes

TROUBLESHOOTING

If the power supply does not operate, follow these recommended steps:

1. Disconnect the power supply from the mains.
2. Using a multimeter in continuity mode, check the LED module chain for a possible short circuit.
3. If a continuity signal is detected (short circuit present), locate and eliminate the cause before reconnecting.
4. Connect the PSU to mains without any load connected and measure the output voltage (12V / 24V).
5. If no output voltage is present, disconnect from mains and inspect terminal connections.
6. If output voltage is present, check terminal connections and wiring on the LED module side.

If the power supply does not operate correctly after performing the above checks:

- Do not attempt to open or repair the unit.
- Disconnect it from mains power.
- Contact your supplier for further evaluation.

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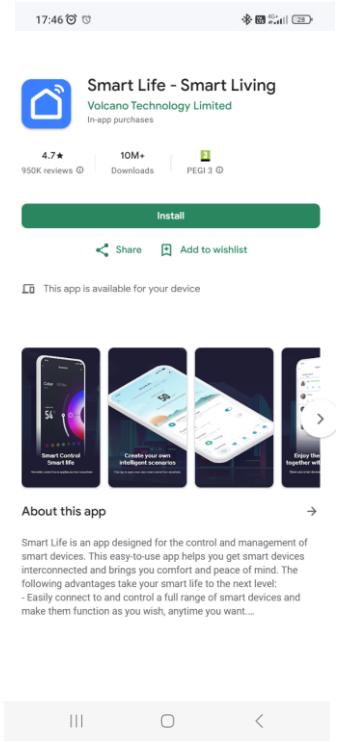
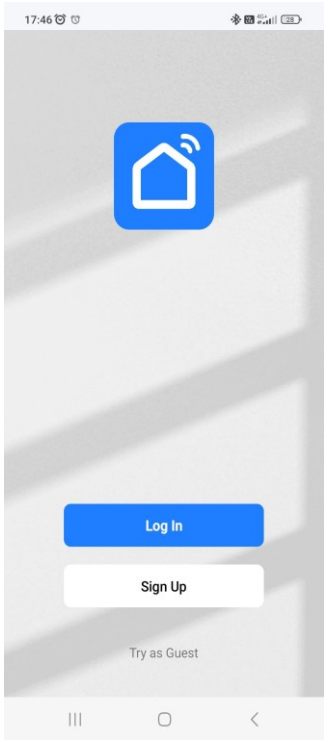
CONNECTING TO THE APP VIA BLUETOOTH

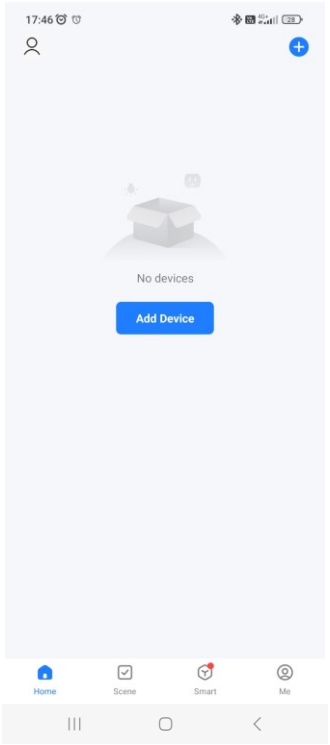


1. Download the App
Open the App Store or Google Play Store on your device and download the Smart Life app.

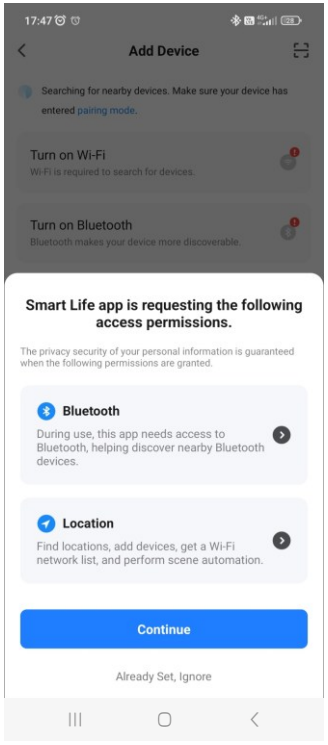
App Store Google Play



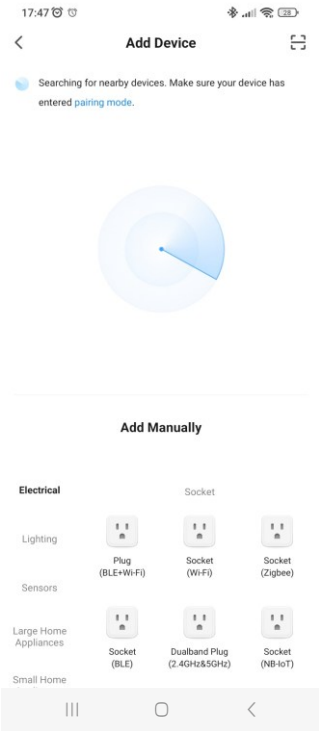
2. Sign Up or Use as a Guest
Open the app and either sign up for a new account or continue as a guest.



3. Add a New Device
Select the option to **Add a New Device**.



4. Enable Permissions
Grant the required location permissions and ensure Bluetooth or Wi-Fi is enabled on your device.



5. Search for Devices
Wait while the app scans the network for available Smartbridge power supplies.

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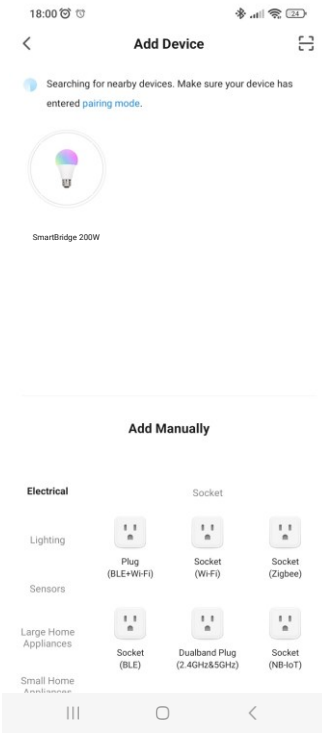
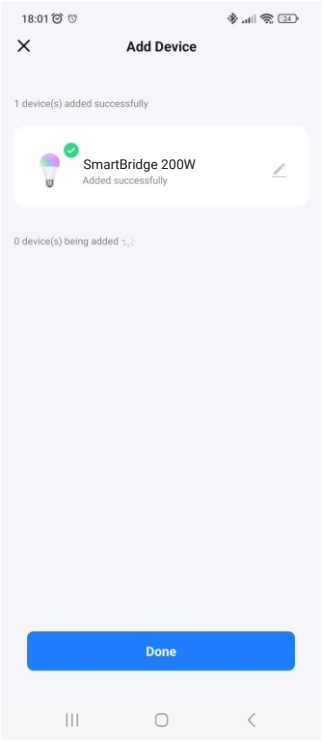
SMARTBRIDGE 200 W LED DRIVER

INSTALLATION GUIDE FOR MODEL: BPSS-200-12/24V.1-W5C-T

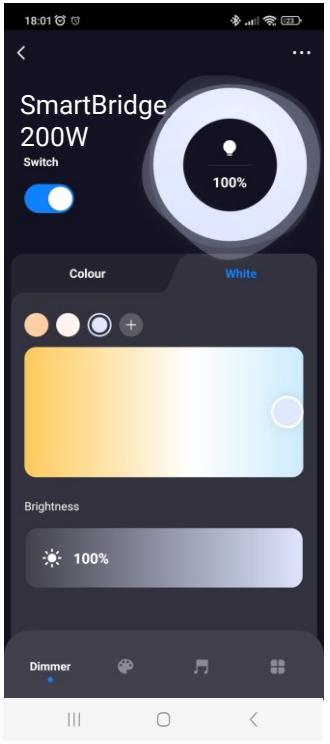
CONNECTING TO THE APP VIA BLUETOOTH



6. Select Your Device
From the list of detected devices, select the power supply you wish to connect.



7. Connect to the Device
Wait for the app to complete the connection process.



8. Start Controlling
Once connected, your power supply is ready to be controlled through the app.

Bluetooth Setup Requirements

- For **Bluetooth pairing,** users need **Bluetooth, GPS, and an internet connection (Wi-Fi or mobile data).**
- The guide should specify that once connected via Bluetooth, **the PSU can only be controlled through Bluetooth** and must have **GPS enabled** at all times.

Switching from Bluetooth to Wi-Fi:

- Users have the **option to connect the PSU to Wi-Fi later**.
- If the PSU is switched to Wi-Fi mode, it will **no longer be controllable via Bluetooth** and will operate only via the internet.

Resetting the Smartbridge power supply and entering pairing mode

1. Ensure a load (e.g., a connected device) is attached to the power supply's output.
2. Turn the power supply **off and on 5 times** in 2-second intervals.
3. The connected load will blink, indicating that the power supply has reset and is now in pairing mode.

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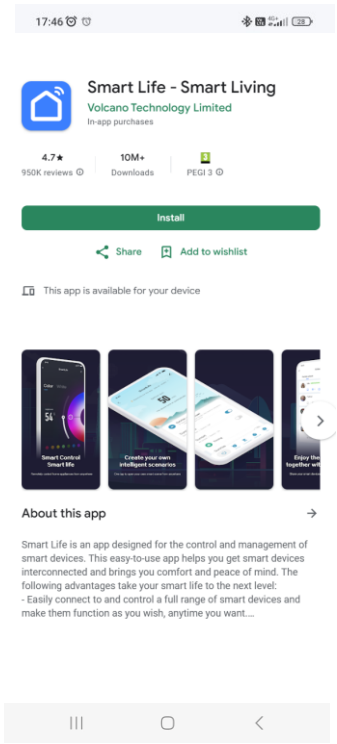

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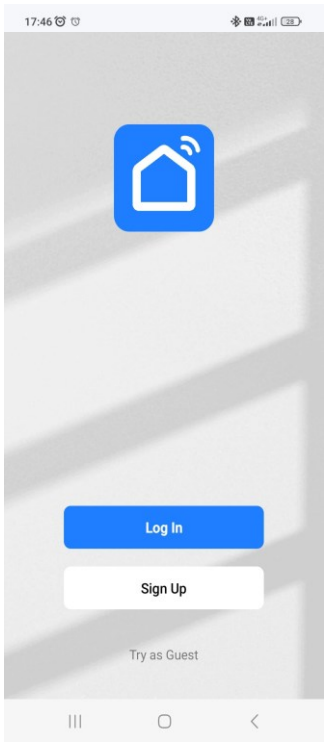

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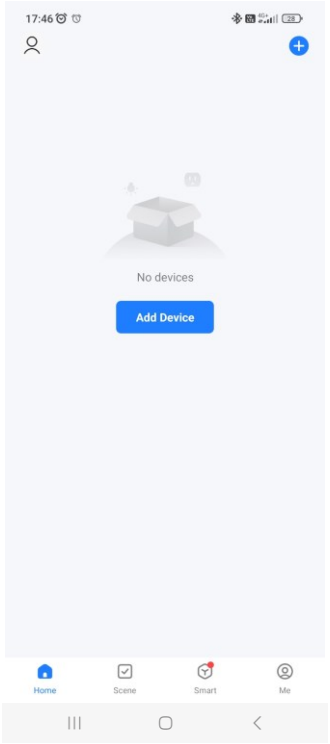

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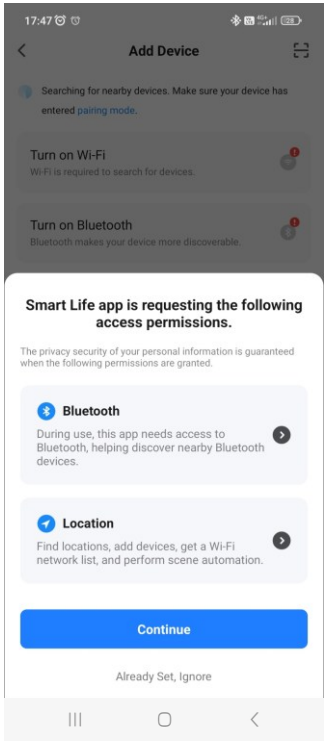

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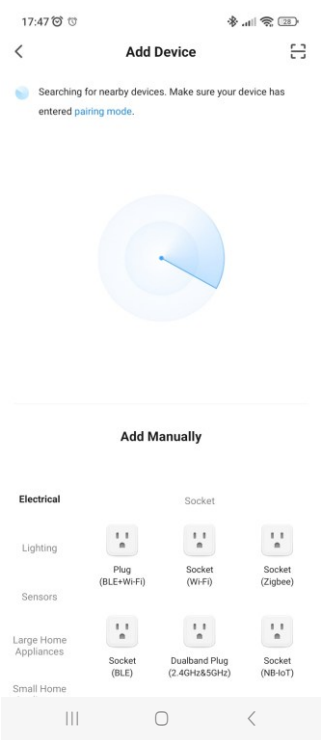

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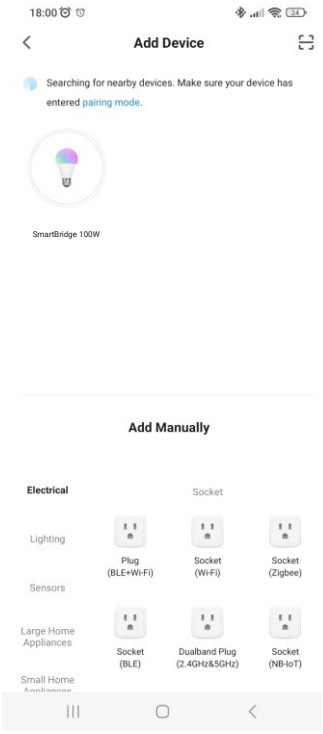
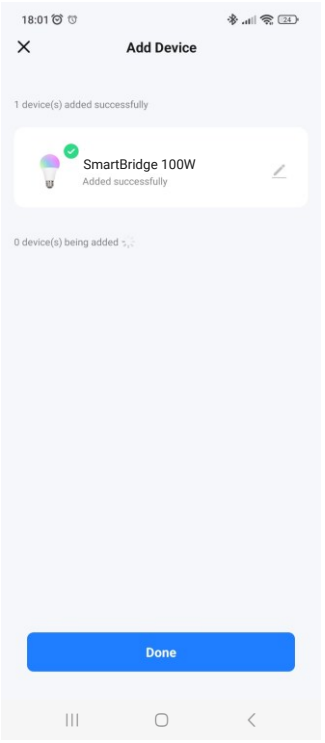
CONNECTING TO THE APP VIA WI-FI



6. Select Your Device
From the list of detected devices, select the power supply you wish to connect.

7. Connect the Device to Wi-Fi Network
Select a Wi-Fi network, enter the password and then remotely control the device.



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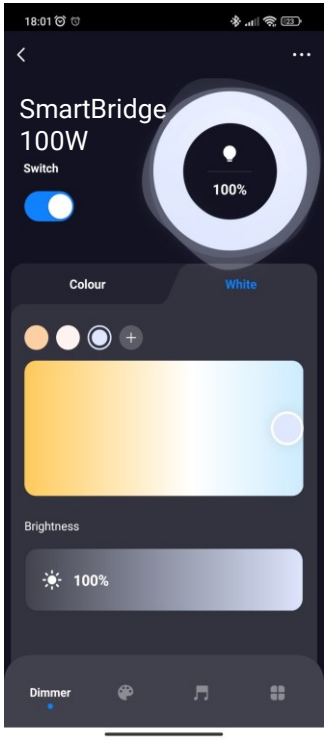

9. Start Controlling
Once connected, your power supply is ready to be controlled through the app.

Wi-Fi Setup Requirements:

- The guide should mention that the initial connection via Wi-Fi requires Wi-Fi, Bluetooth, and GPS to be enabled.
- Users need to enter the network password when selecting the power supply for setup.

Resetting the Smartbridge power supply and entering pairing mode

1. Ensure a load (e.g., a connected device) is attached to the power supply's output.
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