

Volthium
Archives Smart
Bridge



Volthium Archives Smart Bridge User Manual

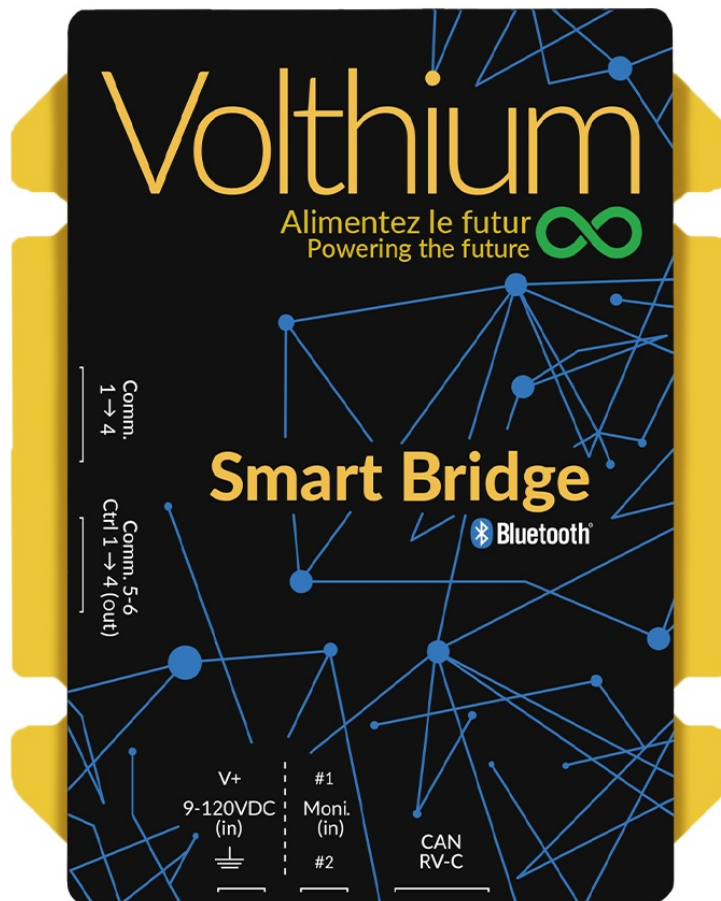
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Volthium Archives Smart Bridge



Product Usage Instructions

- The Smart Bridge has a total of 4 ports, including Comm. 1-4 and Comm. 5-6 Ctrl 1-4 (out).
- It also features DC power capabilities.
- The Volthium Smart app is the next-generation application for Volthium communication modules.
- It is available for download on the App Store and Google Play.
- The Smart Bridge application allows you to scan devices, view battery pack information automatically, access BMS details, navigate through settings, and more.
- The connection visual provides information on the pinouts, adapters, connectors, cables, and other components required for proper functioning.
- It also includes details on LED and sound indicators.

Product presentation

COMMUNICATION PORTS

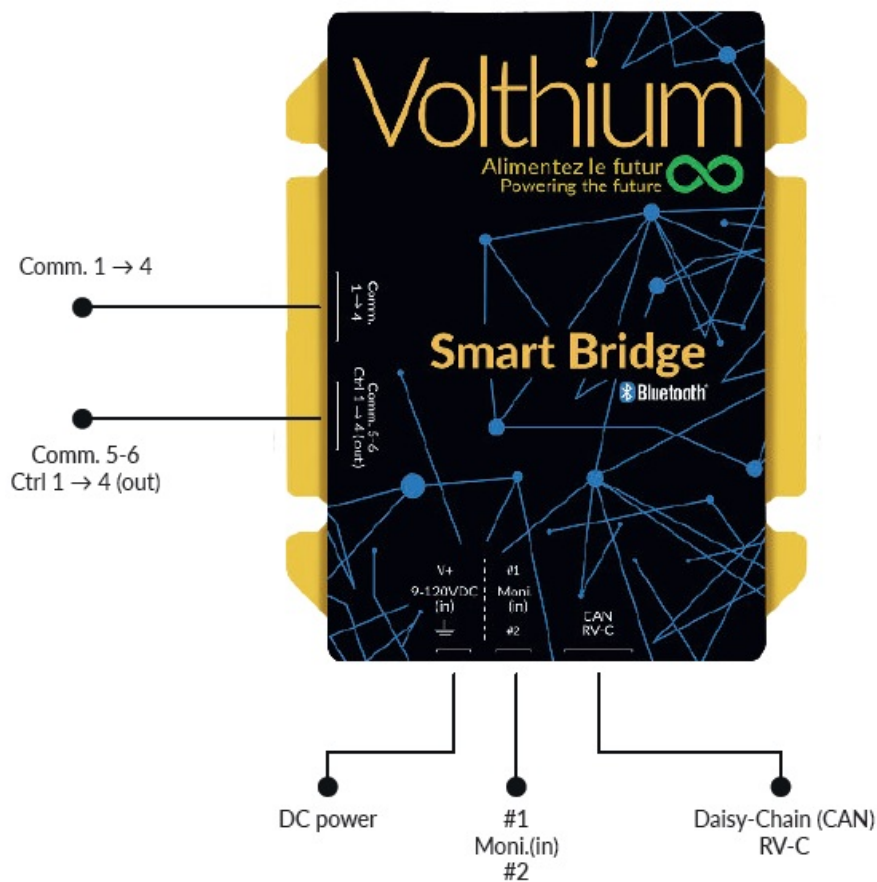
- The Smart Bridge allows you to view your battery information directly on your smartphone using our dedicated mobile application, available on the various app stores.
- It communicates with your battery's internal BMS to transmit important data about your battery(ies) via Bluetooth.
- Thanks to its high-quality chip, the unobstructed communication range reaches 40 feet.
- The Smart Bridge allows you to read information from a battery bank that can contain up to 6 units.
- All Volthium batteries in ABS (Acrylonitrile Butadiene Styrene) format, equipped with a communication port, are compatible with the Smart Bridge.

Module description

SMART BRIDGE

It has a total of 4 ports:

- 1 pluggable terminal block with 4 connectors
 - – 2 connectors for DC power supply
 - – 2 connectors for monitoring #1 and #2
- 1 RJ45 port: (Daisy-Chain CAN) or RV-C
- 1 RJ45 port: Communication of batteries 1 to 4
- 1 RJ45 port: Communication of batteries 5 to 6 and control 1 to 4 (out)



Volthium Smart bluetooth app

- Volthium Smart is the next-generation application for your Volthium communication modules. Entirely manufactured in Montreal (Quebec), Canada. Download the application here:
- App Store: <https://apps.apple.com/ca/app/volthium-smart/id6689523265?l=en-CA>
- Google Play: <https://play.google.com/store/apps/details?id=com.volthium.VolthiumSmart>



Smart Bridge Application

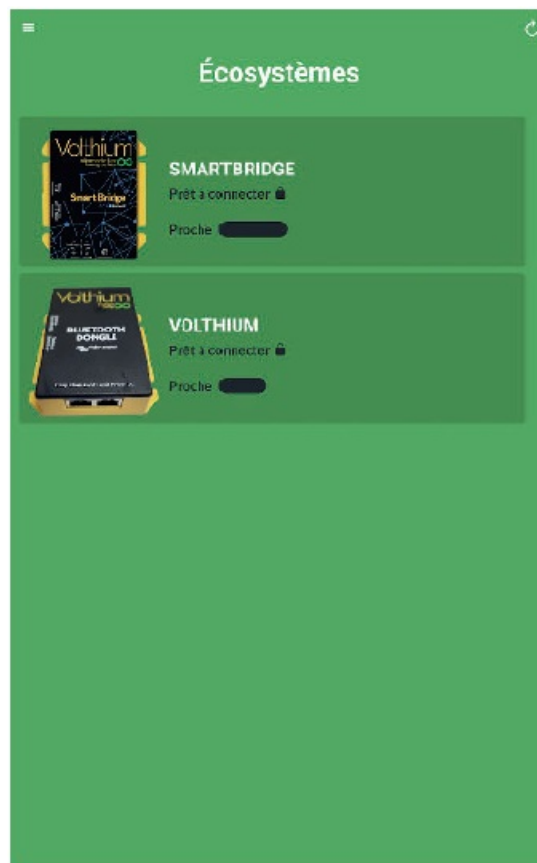


SCAN DEVICES

- List of nearby devices
- Refresh the scan if no devices are available

KNOWN BUGS

- Please turn your Bluetooth on and off on your device if the scan fails (Android only)
- The connection will fail if the blue LED on the SmartBridge is always on



YOUR BATTERY BANK INFORMATION WILL APPEAR AUTOMATICALLY

- You can see the state of charge (SOC in %) of each battery in your bank
- Slide right to view detailed information for each battery.



DETAILED INFORMATION ABOUT YOUR BATTERY VIEW

Detailed information about your battery:

- Status: Indicates the current status of your battery, whether it is charging or discharging
- Voltage: Indicates the real-time voltage of your battery
- Charging current: Real-time incoming current
- Discharging current: Real-time outgoing current
- Temperature: Real-time internal temperature
- Cycle count: Real-time cycle count
- Initial capacity: Maximum battery capacity
- Remaining capacity: Real-time remaining capacity
- Battery status: To be deleted

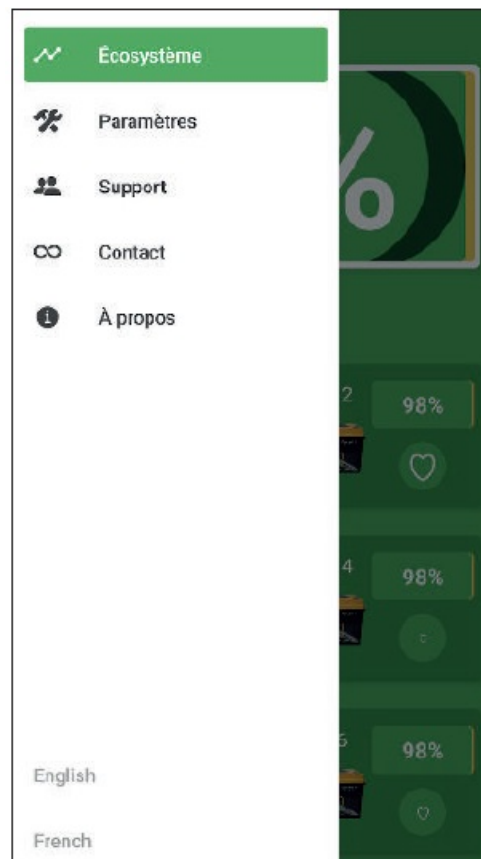


NAVIGATION

- Open the menu by tapping the menu icon on the top left or by sliding the screen to the left
- Ecosystem: Information about your battery bank
- Settings: Application options and firmware update (when available)
- FAQ and Troubleshooting
- Contact: Contact information (address, sales, and management)

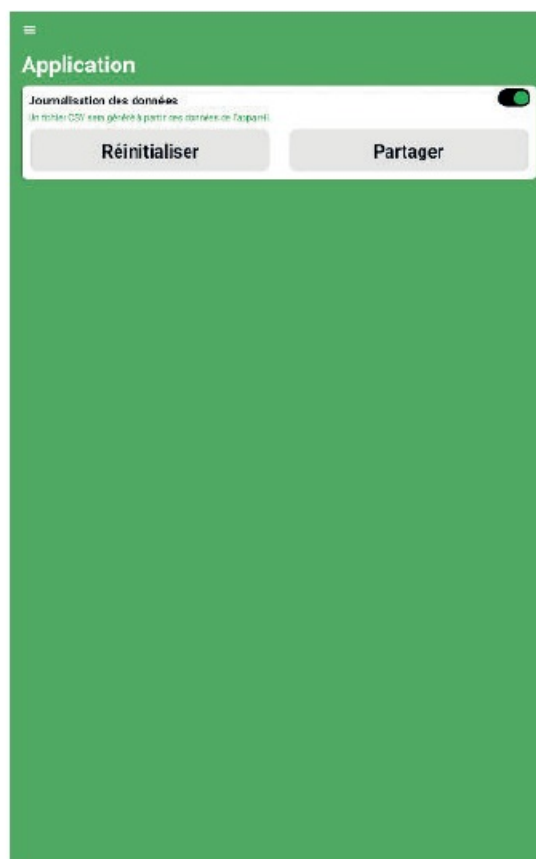
The application is available in French and English

Tips: You can tap the infinity logo to contact us when you see it on the app

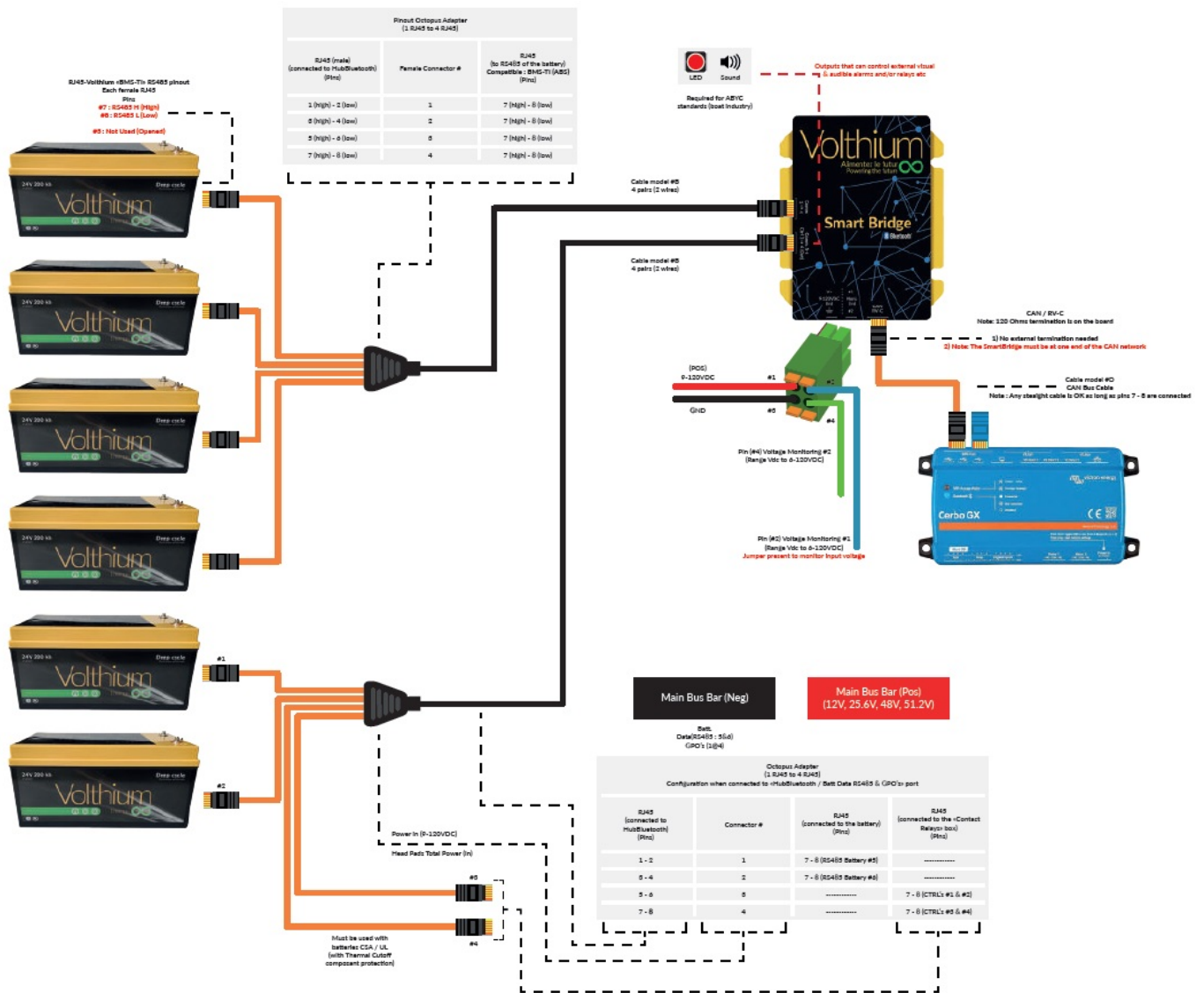


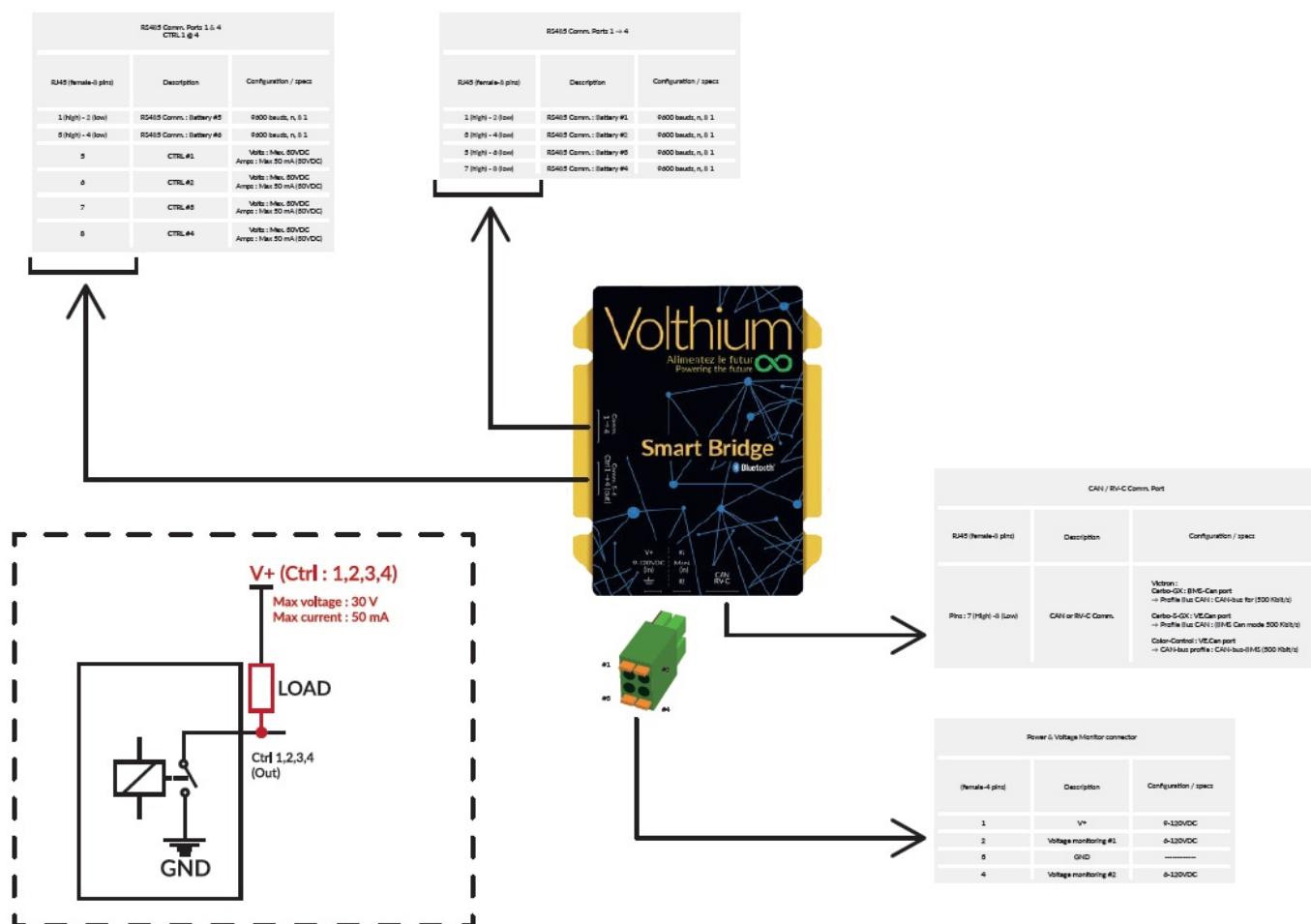
SETTINGS MENU

- Data Output for CSV: Enable or disable logging of local data on your device
- Log for Customer Service: For developer support only, please do not enable
- Firmware Update: Coming soon



Smart Bridge connection visual





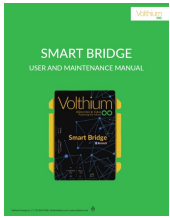
CONTACT

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- info@volthium.com
- www.volthium.com

FAQ

- **Q: How can I access detailed information about my battery using the Smart Bridge app?**
- **A:** To view detailed information about your battery, navigate to the battery view section in the app. You can also switch between French and English languages within the application.
- **Q: What are the recommended cable models and connections for external alarms and relays?**
- **A:** The Smart Bridge supports cable models #B and #D for controlling external visual and audible alarms. Ensure proper connections as per the provided pinout information.

Documents / Resources



[Volthium Archives Smart Bridge](#) [pdf] User Manual
Archives Smart Bridge, Archives, Smart Bridge, Bridge

References

- [User Manual](#)

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