AllSolus LiveBase™ Quick Installation Guide

SAFETY WARNING: AllSolus products should be installed by a qualified electrician.

1 AllSolus LiveBase is a data-logging, monitoring and networking device for energy management applications. Check you have each AllSolus LiveBase component prior to installation:

- 1 x LiveBase unit plus whip antenna
- 1 x 12v Power Supply (AC power point required)
- 1 x Ethernet Cable for LAN or wireless modem connection
- 1 x USB Cable for PC Configuration
- 1 x SD card for long-term data storage
- 8 x 2 pin connectors for pulse and analog signal inputs
- 2 x 4 pin connectors for RS485 data inputs
- 1 x CD ROM with user manuals, USB drivers and configuration software

2 Use the marking template at the bottom of this page to mark drill holes for mounting the LiveBase unit using the keyholes on the underside of the device.

AllSolus recommends using pan-head screws with a thread no wider than 4mm (0.157") and a head no wider than 3mm (0.118").

IMPORTANT: Always mount LiveBase at least 1 metre (3.3 feet) from an Inverter to avoid electrical interference.

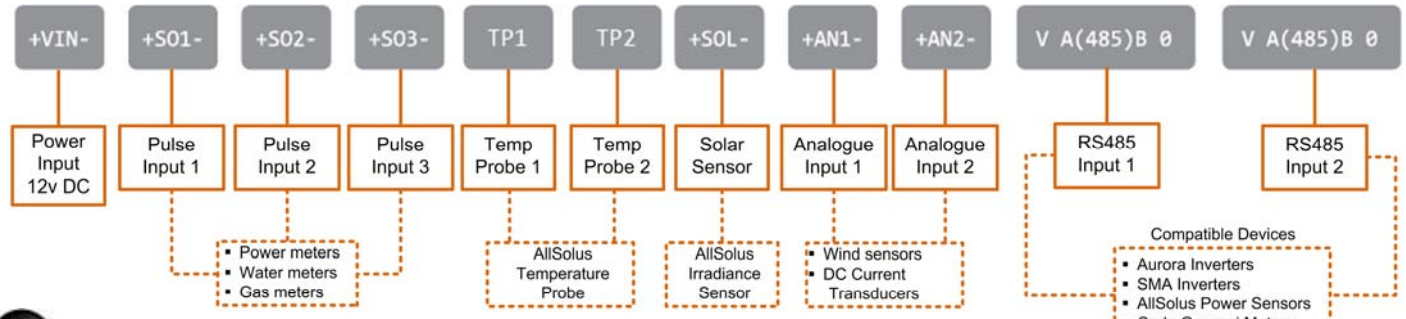
3 Carefully screw the whip antenna onto the unit. Ensure the antenna is positioned vertically to maximize RF reception.

IMPORTANT: If the LiveBase unit is surrounded by metal obstacles like metal cubicles, an external antenna will be required to replace the whip antenna.

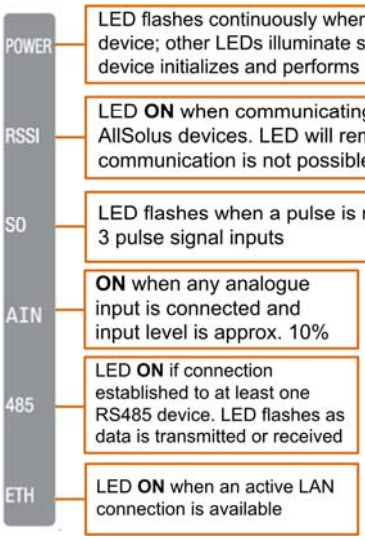
4 Insert the SD card into the **SD Card** slot and ensure it clicks into place. Next, attach the 12v power supply to the unit using the input labeled +VIN-

When power is first attached the **Power** LED flashes and the other LEDs illuminate solid green while the device initializes and performs a self test. After approximately 30 seconds only the **Power** LED flashes until other inputs are detected.

5 Connect devices to the LiveBase inputs using the connectors supplied. Connect an Ethernet cable to LiveBase from either a LAN or Sierra Wireless Airlink Raven XE modem. Check LiveBase LEDs to confirm Ethernet and input connections. Note: Contact your electricity provider to obtain a power meter pulse signal output.



6 Successful operation can be confirmed using the Config Software Utility (see over), or check the green LED status indicators on the unit.



LiveBase Status Indications

Note: Connect one input only, then replace with each single input in turn to detect a data problem for LEDs using multiple inputs

Device RS485 Pinouts

	LiveBase	SMA	Aurora	Carlo Gavazzi
Signal +	B	2	+T/R	15
Signal -	A	7	-T/R	14
Ground	O	5	RTN	13

LiveBase Drill Template

Quick Install Part 2: AllSolus Device Configuration

After installing your device, check and program input configuration using AllSolus Energy Management software supplied on CD ROM with LiveBase. **Important:** Reboot your AllSolus device after changing Communication and Ethernet Settings.

1 Insert the AllSolus CD ROM in your PC and copy the USB device drivers and AllSolus "Configuration Utility" folder onto your PC.

2 Open the "Configuration Utility" folder and double-click the "setup.msi" file to launch the **AllSolus Config Utility Setup Wizard**, then click **Next** to proceed.

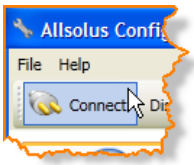
3 Select "I Agree" in the license agreement dialog and click **Next**. Then select an installation folder on your PC and click **Next**. Finally, click **Next** again to confirm installation.

4 Attach a USB cable between your PC and the AllSolus device you are configuring. When configuring AllSolus MeterLink™ units loosen the 4 screws on the MeterLink cover to access the mini-USB connector within the unit.

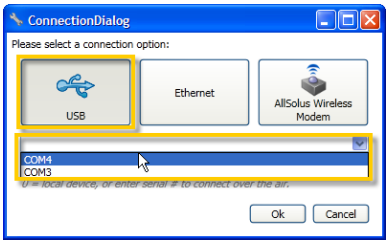
MeterLink USB Connection

5 From the **Start** menu on your PC select **All Programs > AllSolus > AllSolus Configuration Utility** to launch the Configuration program.

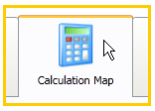
6 Click **Connect** to open the **Connection Dialog**.



7 Click the **USB** button, then click the drop-down arrow below to select the COM port being used by the PC for USB configuration. Then click **Ok** to proceed. Note: if several COM ports are listed, remove the USB cable, check the ports in the drop-down list, then plug the device USB cable into the PC. Check the list again and select the new port populated in the list.

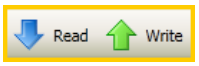


8 After connecting successfully click to select the **Calculation Map** tab. This tab is used to map AllSolus calculation engines to various analog and digital inputs attached to a connected AllSolus device. Devices can then be monitored using the AllSolus Public online web display or Local Network Portal.

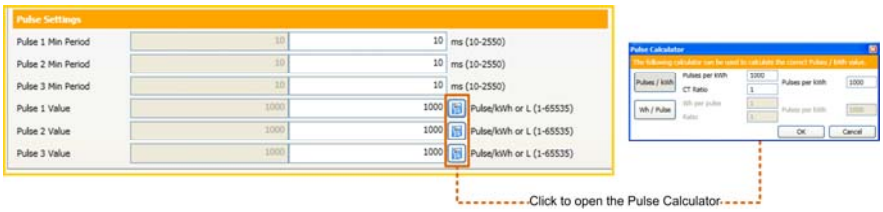


9 Start at **Calculation Engine 1** and click the drop-down arrow for **Calculate from Input**, then select an input source, in this example **RS485—SMA Inverter**. Then select how this will be represented in AllSolus management software.

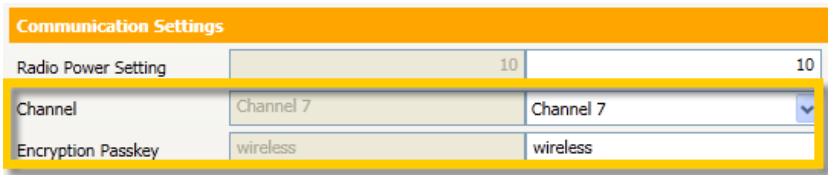
In this example, **Green Power**. Program a Calculation Engine for each input. **Important:** Click **Write** after completing any changes and click **Read** to confirm settings have been programmed.



10 If pulse inputs are connected (e.g. **SO1, SO2, SO3**), pulse periods and values must be configured within the AllSolus **Calculation Map** tab to match each specific device's pulse output. Check with the manufacturer of each input device for more information.



11 The **Channel** and **Encryption Passkey** is preset by default. All devices on the same network must have the same setting for both. This only needs to be changed if multiple systems are operating within a close range. To adjust this setting click the **General Device Setting** tab and enter a different **Channel** and **Encryption Passkey**. AllSolus recommends using the site name when programming multiple passkeys.



Additional AllSolus Support: For additional configuration information view AllSolus user manuals online at www.allsolus.com.au.

For product support contact your nearest AllSolus distributor.

For Technical Support email support@allsolus.com.au