

# AllSolut MeterLink™ Quick Installation Guide



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

AllSolut MeterLink measures power, water, gas and solar energy and transmits data wirelessly to your AllSolut Live-Base™ for real-time monitoring of energy management online.

- 1** Check you have each AllSolut MeterLink component prior to installation:
- ◆ 1 x MeterLink unit plus whip antenna
  - ◆ 1 x 12v Power Supply (AC power point required)
  - ◆ 3 x 2 pin connectors for pulse and analog signal inputs
  - ◆ 2 x 4 pin connectors for RS485 data inputs

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

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

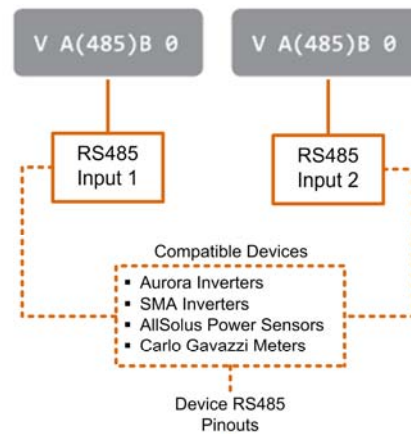
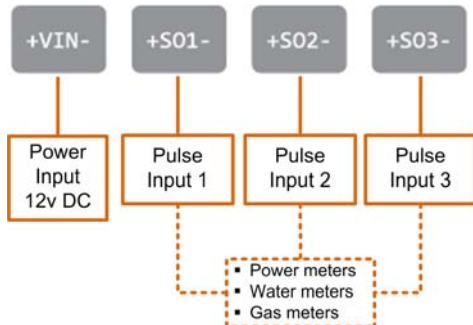


- 3** Use two screws or bolts to attach the MeterLink unit in a suitable location within range of the meter box and a power point. There are 2 x 4mm (0.157") holes on either side of the unit for fixing it to a flat surface.

- 4** Attach the 12v power supply to the unit using the input labeled +VIN-

When power is first attached the device performs a brief self test and the green **Power** LED commences long, slow flashes. After power is connected the device will automatically start sending wireless data communications to the AllSolut LiveBase™ for energy management monitoring.

- 5** Connect other devices to the LiveBase inputs using the connectors supplied. Note: Contact your electricity provider to obtain a power meter pulse signal output.



- 6** Successful operation of the device can be confirmed using the Configuration Software Utility (see over), or the following green LED Status indicators on each MeterLink unit. Note: Remove inputs one at a time to detect a data problem for LEDs using multiple inputs.

485	LED <b>ON</b> if there is a connection established to at least one RS485 device. The LED flashes as data is transmitted or received over the RS485 interface.
S0	LED will flash when a pulse is received on any of the 3 pulse signal inputs
RSSI	LED <b>ON</b> when communicating successfully to LiveBase. LED remains <b>OFF</b> if communication is not possible.
POWER	The <b>Power</b> LED flashes continuously after power is connected to the device; two seconds <b>ON</b> , then two seconds <b>OFF</b>

MeterLink Status LED Indications

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

# Quick Install Part 2: AllSolut Device Configuration

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

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

**2** Open the "Configuration Utility" folder and double-click the "setup.msi" file to launch the **AllSolut 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 AllSolut device you are configuring. When configuring AllSolut MeterLink™ units loosen the 4 screws on the MeterLink cover to access the mini-USB connector within the unit.

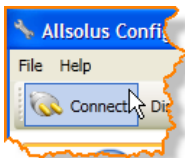


**MeterLink USB Connection**

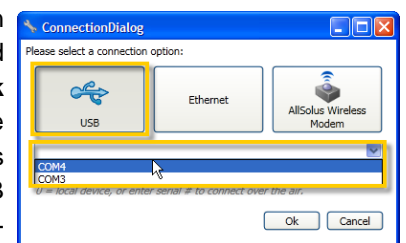
**5** From the **Start** menu on your PC select **All Programs > AllSolut > AllSolut Configuration Utility** to launch the Configuration program.



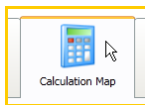
**6** Click **Connect** to open the **Connection Dialog**.



**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 AllSolut calculation engines to various analog and digital inputs attached to a connected AllSolut device. Devices can then be monitored using the AllSolut Public online web display or Local Network Portal.



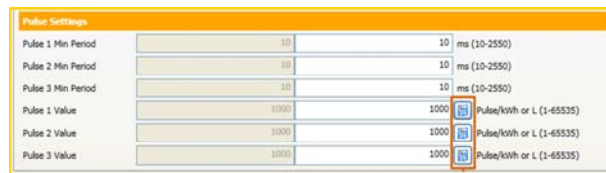
**9** Start at **Calculation Engine 1** and click the drop-down arrow for **Calculate from Input**, then select an input source, in this example **RS485—SMA Inverter**. Then select how this will be represented in AllSolut management software.



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.

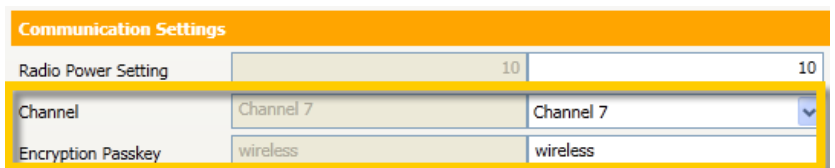


**10** If pulse inputs are connected (e.g. **SO1, SO2, SO3**), pulse periods and values must be configured within the AllSolut **Calculation Map** tab to match each specific device's pulse output. Check with the manufacturer of each input device for more information.



Click to open the Pulse Calculator.

**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**. AllSolut recommends using the site name when programming multiple passkeys.



**Additional AllSolut Support:** For additional configuration information view AllSolut user manuals online at [www.allsolut.com.au](http://www.allsolut.com.au).

For product support contact your nearest AllSolut distributor.

For Technical Support email [support@allsolut.com.au](mailto:support@allsolut.com.au)