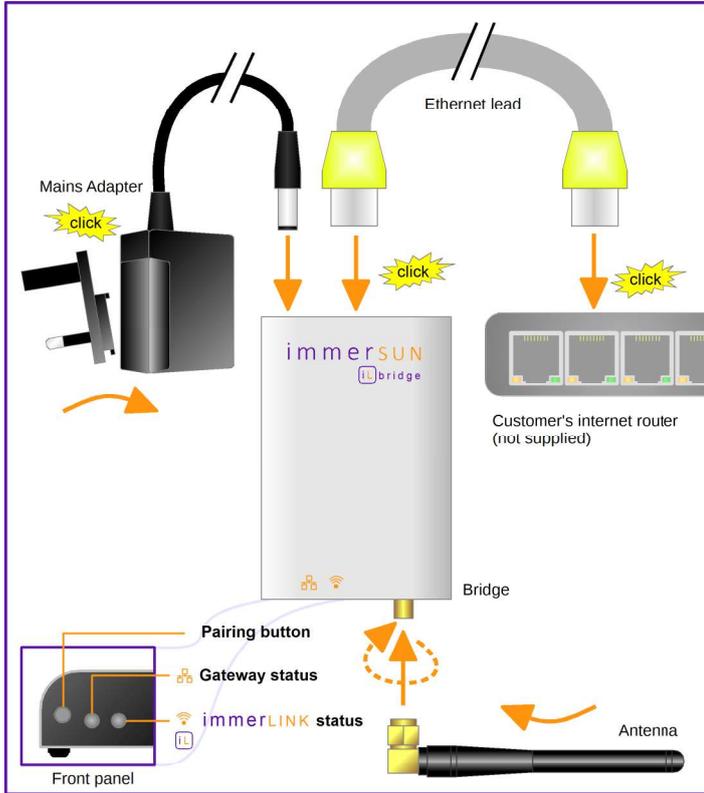


Installation & User Guide

This is a guide to the installation and setup of the **iL**bridge to enable remote data monitoring and control of **immersUN** devices via the **myimmersUN** website. It is applicable only to applicable only to the T1060 model **immersUN**.



Connecting the **iL**bridge

- 1 Screw the supplied antenna to the antenna connector on the bridge
- 2 Fit the correct plug type to the mains adapter for your country
- 3 Plug the mains adapter cable into the Bridge and into a socket nearby your router
- 4 Connect the Bridge to a spare LAN port on your internet router using the supplied Ethernet lead

Pairing the **iL**bridge



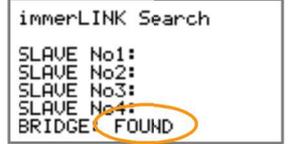
Pairing mode

The **immerLINK** LED will flash red when the Bridge is in pairing mode. The Bridge should automatically enter pairing mode when first plugged in. Press and hold the pairing button for about 5 seconds to put the bridge in pairing mode, if required.

Pairing with your **immersUN**

Make sure the Bridge is in pairing mode (the **immerLINK** status LED should be flashing RED).

On the **immersUN** unit, bring up the menu with the ✓ button and scroll down to **Advanced Settings**, press ✓ again to enter the Advanced Settings.



You will be asked for a passcode, the default passcode is 0000. Once in the advance settings menu, scroll down to ImmerLink and press the tick button. Now Scroll down to Cloud IP and press the Tick button. Set this to 62.30.9.158 if not already. Press X and then scroll down to ImmerLink Search, highlight this option and press the tick button. After a few minutes the ImmerSun should find the Bridge. Press X several times to go back to the main menu.

After a few minutes the **immersUN** should find the Bridge.

Press X several times to go back to the main screen.



Paired and linked to Gateway

When both LEDs are green the bridge is working as it should.

It is normal to see the immerLINK LED occasionally light-up orange, this signifies that data was missed for that instant.

Note: The range of the wireless communications is usually around 30m indoors and 200m outdoors, however the range can vary greatly at different sites and is not guaranteed



Paired with **immersUN** but not linked to Gateway

If you see the LEDs lit-up like this, the Bridge is not linked to the Gateway. Check your router is working correctly and that the Bridge is plugged into the router.

If you are sure everything is connected OK and your internet is working, try updating the **immersUN** firmware as detailed below.

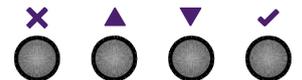
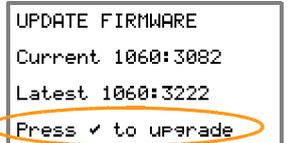
Updating the **immersUN** firmware

To support all functions of the **myimmersUN** monitoring system, it is likely that you will need to update the firmware in the **immersUN**.

On the **immersUN** unit, bring up the menu with the ✓ button and scroll down to **Advanced Settings**, press ✓ again to enter the Advanced Settings.

You will be asked for your **Passcode**, the default passcode is 0 0 0 0.

Once in the Advanced Settings menu, scroll down to **immerLINK** and press ✓



In the immerLINK menu, you will see **Update Firmware**, highlight this option and press ✓

The current firmware and latest versions will be shown. Wait a few seconds for this to update.

Press ✓ to update the firmware if a newer version is shown.

NOTE: The update will take a long time (about 1 hour).

When the update is complete the immerSUN will reset and normal operation will resume.

Remote control options

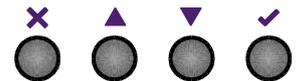
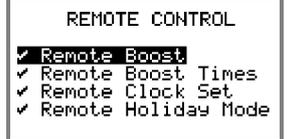
The remote control options of the **myimmersUN** monitoring system can be enabled or disabled via the **immersUN** menu.

On the **immersUN** unit, bring up the menu with the ✓ button and scroll down to **Advanced Settings**, press ✓ again to enter the Advanced Settings.

You will be asked for your **Passcode**, the default passcode is 0 0 0 0.

Once in the Advanced Settings menu, scroll down to **immerLINK** and press ✓

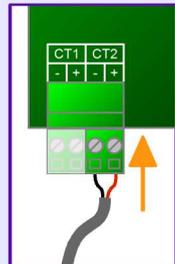
In the immerLINK menu, highlight **Remote Control** and press ✓



You will then see the remote control options that can be enabled or disabled, when the options are disabled they will not be controllable via the **myimmersUN** website.

Installing the CT clamp

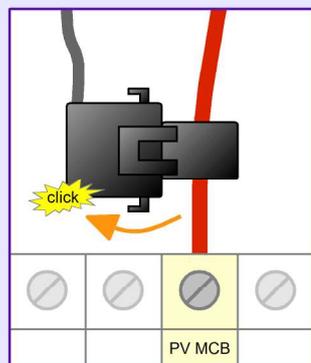
This part of the installation concerns the **immersUN** unit only



To get the full functionality of the **myimmersUN** monitoring system, it is necessary for the **immersUN** to measure the power from the inverter. This is done by installing an additional CT clamp around the inverter AC Live cable.

WARNING LIVE CABLES!
Do not attempt this installation unless you are competent to do so. If in doubt please consult a qualified electrician.

CT clamp wired to CT2 in **immersUN** or Wireless Sensor



Often the easiest place to install the additional CT is in the consumer unit that houses the MCB for the inverter. Alternative the CT can be installed inside the AC isolator or the inverter.

Isolate the MAIN SWITCH in the consumer unit and clip the CT clamp around the LIVE cable to the microgeneration inverter.

Wire the CT clamp to the CT2 plug inside the **immersUN**. Be sure the unit is isolated from the mains before removing the cover.

The cover of the **immersUN** is secured by two black screws at the top and bottom of the unit.

Note: the bottom plate of the **immersUN** can be temporarily removed to aid wiring. This is held in place by two black screws at the bottom of the unit that are closest to the wall.

CT clamp around PV LIVE cable in consumer unit

Wireless Sensor

If your **immersUN** is using a Wireless Sensor, you **MUST** connect the additional CT clamp to the CT2 plug in the Wireless Sensor unit and not the **immersUN**.

Extending the CT cable

The CT clamp cable can be extended if required. If you need to do this you **MUST** use twisted-pair cable e.g. CAT5 or similar.

Early units without CT2 connector

Early T1060 model units do not have the second plug for the additional CT clamp (CT2). If you have an **immersUN** without the CT2 plug, it is possible to replace the PCB. The PCB with the terminals for two CTs can be ordered. Please quote order code A1078-5B.

Updating the bridge firmware

If there is a problem with the Bridge or new features added, the firmware in the Bridge may need to be updated. If requested by our Technical Support team, the firmware is updated as follows:

- 1 Unplug the mains adapter lead from the back of the Bridge
- 2 Press and hold the Pair button, with the button still held, plug the mains adapter back in.
- 3 Keep the Pair button held for 10 seconds, then release the button. The immerLINK LED should flash RED and GREEN very rapidly.
- 4 When the LED has stopped flashing, the update is complete.

The Bridge firmware version can be found in the View Configuration menu option of the **immersUN**

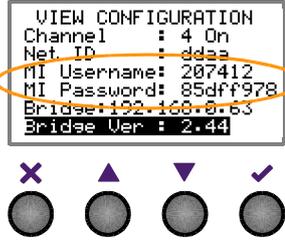
Registering with my immerSUN

Obtaining first-time login details

To register your immerSUN for the first time, on the my immerSUN monitoring website, you will need some details which are stored in the immerSUN.

On the immerSUN unit, bring up the menu with the ✓ button, scroll down to **View Configuration** and press ✓

In the View Configuration menu, scroll down until you can see the **MI Username** and **MI Password**, make a note of these details.



First-time login to create account

- 1 Go to the my immerSUN website: www.myimmersun.com
- 2 Click **Login/Register**
- 3 You will be prompted for a user name and password, enter the **MI Username** and **MI Password** from your immerSUN unit. (If you have more than one unit, you can add the others later). **DO NOT** save these login details if asked by the browser.
- 4 Fill in your details to complete the registration.
- 5 Login with the email address and password you provided during registration.

Adding additional immerSUN units

If you have more than one immerSUN unit, you can add additional units to your my immerSUN account. This will enable you to switch between units to view data from different sites or units.

To do this, click on the **My immerSUNs** button in the menu of the my immerSUN website.

Live power readings

- Refresh Button**: Click this force the page to refresh.
- Grid Power**: This is the power currently being exported or imported, to or from the Grid. (25W)
- Household Power Usage**: This is the power currently being used in property, this excludes any power being diverted by the immerSUN. (250W)
- Icon Short-cuts**: The icons are click-able and will take you to the energy bar charts. The chart shown will be for the energy data relevant to the icon.
- Last Event Logged**: This is the last event logged, clicking this button will take you to the event log page.
- Menu Button**: Click this to bring up the menu.
- Generation Power**: This is the power currently being generated by the PV or Wind system. (3157W)
- Proportional Arrows**: The width of the arrows represent the proportion of power, the bigger the arrow the higher the power.
- Diverted Power**: This is the power currently being diverted by the immerSUN. The arrow is usually blue, but will be orange during a boost. The icon shown indicates the active heater.
- Current Unit or Property**: This is the nick-name of the current immerSUN whose data is being displayed. Clicking on this button brings up the immerSUN select page.

Remote boost control

The manual boost function of the immerSUN can be controlled remotely via the **Remote Boost** function in the menu of the my immerSUN website.

The heater and the duration are selected before clicking the start boost button. Once started, the boost can be also be cancelled remotely.

- Heater Select**: Select which heater you wish to boost.
- Boost Duration**: Select the duration of the boost using these buttons.
- Start Boost**: Click this button to start the remote boost.

Setting boost times remotely

The boost times programmed in the immerSUN can be altered remotely via the **Boost Times** function in the menu of the my immerSUN website.

Start by clicking the **Get boost times from immerSUN** button, this will update the table of boost times.

Edit the boost times as you wish by clicking the **Edit** button in the appropriate row.

When you have finished editing the boost times, click **Send boost times to immerSUN**.

Energy bar charts

- Back Button**: Click this to return to the live power readings.
- Key**: This is the key to the bar chart. Click on the words to switch on/off the data for that category.
- Range Buttons**: These buttons are used to select the date range of the chart.
- Energy Chart**: This is the energy chart for the day, Week, Month or Year as selected. The bars overlap and the smallest is brought to the front.
- Date Navigation**: These buttons change the date of the first bar of the chart.
- Totals**: These are the total kWhs for the current chart.

Diverted	£0.82	23.7 kWh
Exported		3.2 kWh
Generated		31.6 kWh
Imported		2.2 kWh
House		6.9 kWh
- Download Button**: You can download a CSV file of the current chart by clicking this button.

Event logs

The event logs are accessible from the my immerSUN menu. Events logged include things like Started/Stopped Generation, Started/Stopped Heating, Started/Stopped Boosting etc.

Important events are marked with *

The log for any particular day can be viewed by using the day navigation buttons at the top of the event log page.

Menu

- Remote Control**: These buttons take you to the remote control options. These can be enabled or disabled on the immerSUN unit.
- Registration Details**: Here you can edit your personal information and change your login details.
- View Select**: Different size views are available Choose the view that best matches your device.
- Registered Units**: This is where additional immerSUN units can be added so that you can easily switch between units or properties.