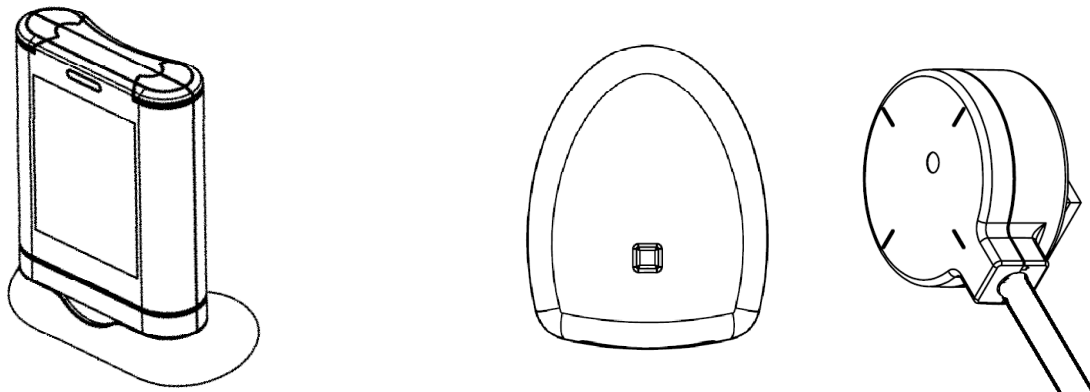# User Manual   Model: 1208J

The easiest way to way to reduce your energy bill!

Welcome

Thanks for using Wireless Energy In-Home-display unit. This product is a semi-portable communication product used in the household market. You can view the instant electricity consumption, cost-up-to-current-hour and records (e.g. hourly, daily, weekly, and monthly) as well as estimated CO_2 emission produced.

Safety Information

Manufactured to ISO-9001. Product compliance to FCC, CE and C-tick Aus & NZ.

FCC NOTE

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
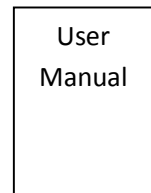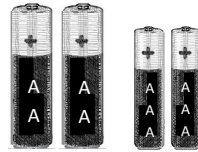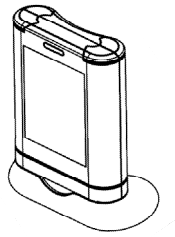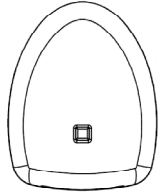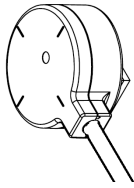
The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.
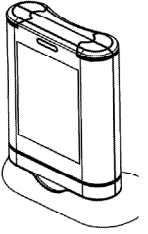
€   This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

General Safety Guidelines

1. Do not subject the devices to impact and shock.
2. Do not use the smart plug, current clamp and sender outside and near water or in high moisture places.
3. Do not touch the electronic circuitry as it may result in electric shock
4. Take special care when handling a broken LCD display, as the chemical inside can be harmful to your health
5. Take special care when handling batteries and don't expose them in the air for a long time.
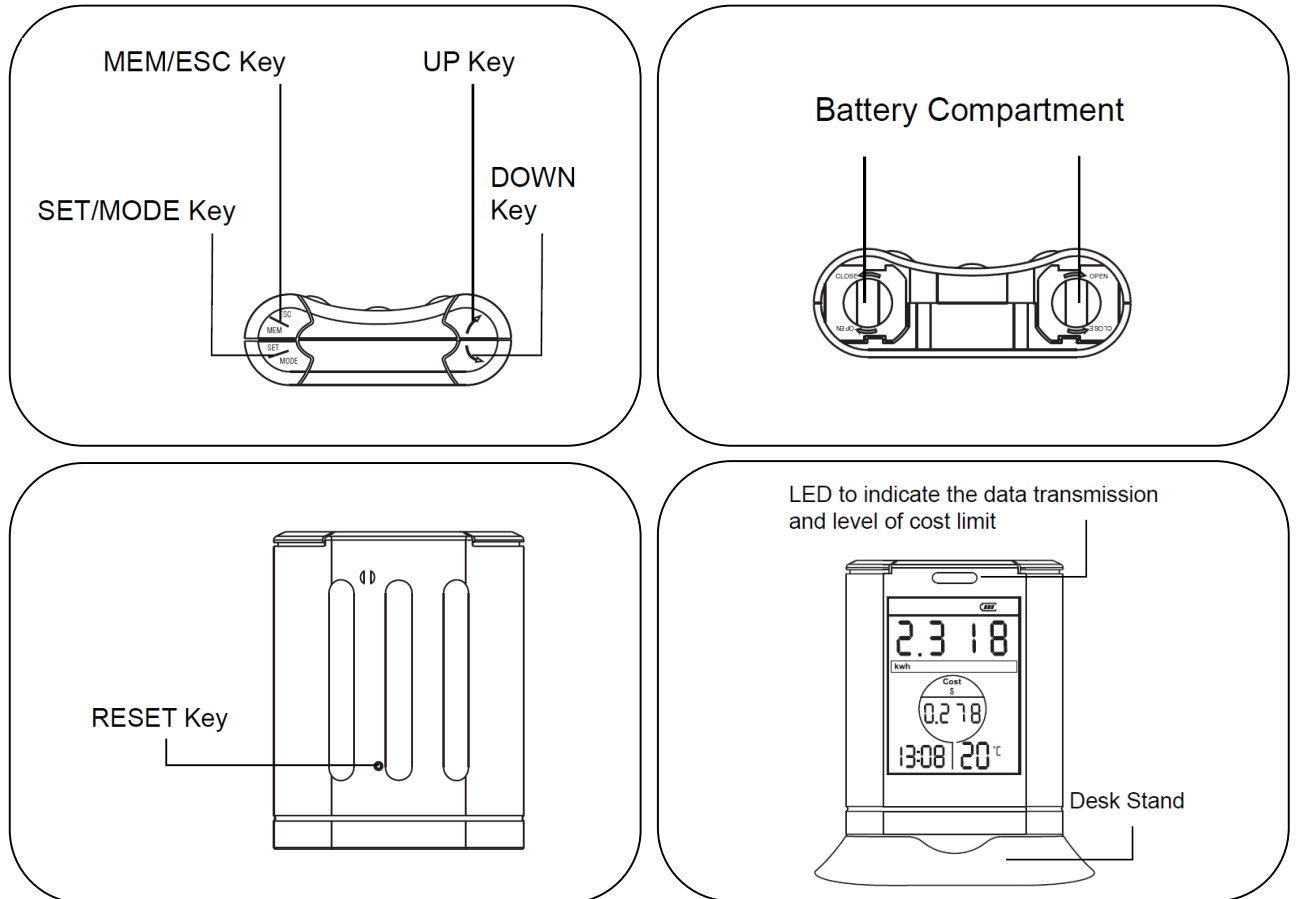6. Only use new batteries to ensure the best battery life performance.

In Your Box

User
Manual

Simple Start Up

Display Unit

MEM/ESC Key   UP Key

SET/MODE Key   DOWN Key

Battery Compartment

RESET Key

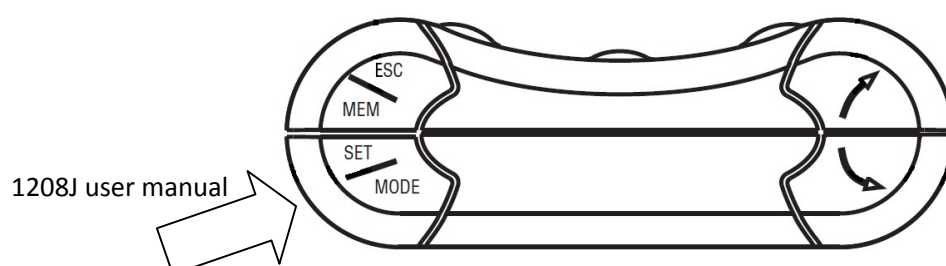LED to indicate the data transmission and level of cost limit
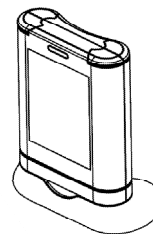
Desk Stand

Step A1

Insert 2pcs or 4pcs AAA batteries into Display Unit

Step A2

Display Unit Initial Set up
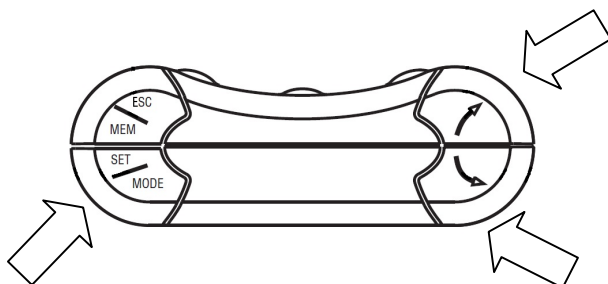
Press the SET/MODE key for two seconds to access the setting mode.

Calendar/Time Setting

(a) Press arrow keys to change the blinking value for year.

(b) Press SET/MODE key to set and move on to month setting.

(c) Repeat (a) (b) process for the month, date and the time in order to complete the calendar settings
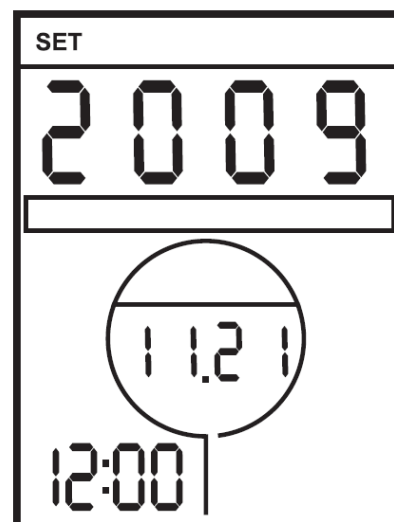

Currency & Cost/kWh Setting

(a) Press arrow keys to change blinking currency between English pound £, Dollar $, and Euro €.

(b) Press SET/MODE key to store currency setting you have selected.

(c) The first digit of Cost/kWh blinks.

(d) Use arrow keys to change first blinking value.

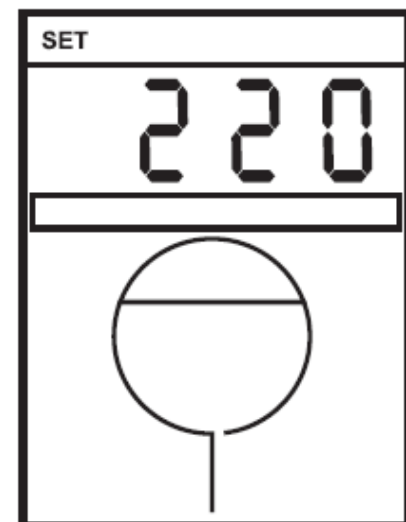(e) Press SET/MODE key to set the value of blinking digit. Repeat for all digits and move to CO2 emission setting.
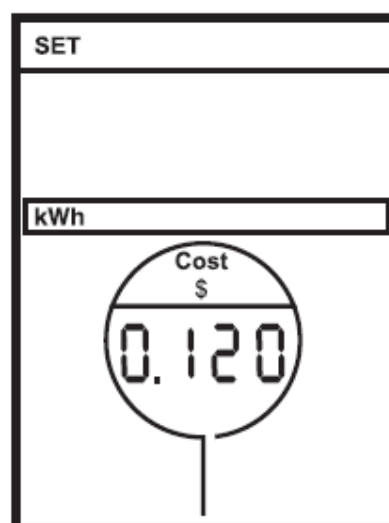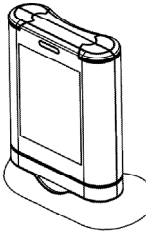
CO2 Emission Setting

(a) Press arrow keys to change the first blinking digit of CO2 emission value.

(b) Press SET/MODE key to set the value of blinking digit and repeat for all digits.
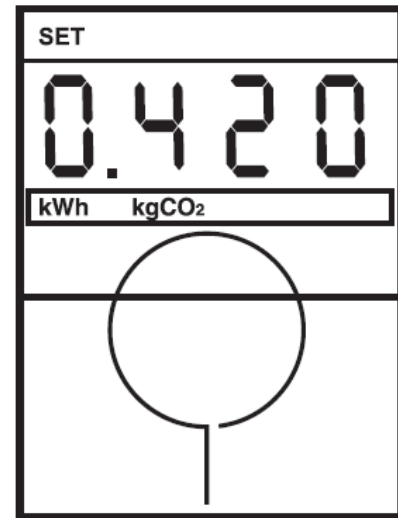
Voltage Setting

(c) Press arrow keys to change the blinking voltage value between 110V, 220V, 230V, 240V and 250V.

(d) Press SET/MODE key once to store the voltage and move on to the next function setting..

Cost Alarm Level Setting

(a) Press arrow key to turn "ON" or "OFF" the cost level alarm. If OFF is chosen, it will go to Temperature Unit Setting mode directly.

(b) Press Arrow and "SET/MODE" key to adjust and set the value of first blinking digit. Repeat the process for all digits to complete.
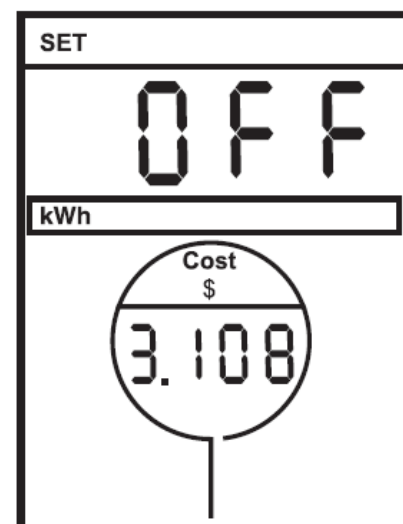
Temperature Setting

(a) Press arrow keys to change the blinking units between Celsius °C and Fahrenheit °F.

(b) Press "SET/MODE" key to confirm the save the new setting and complete the whole customization setting.
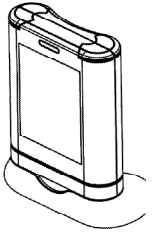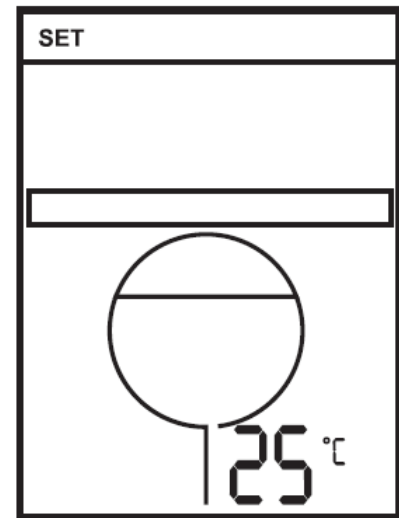
Exit Setting Mode

System will return to monitor mode and corresponding device information (e.g. Sensor ID, instant consumption and cost) will be shown at display unit.

During the customization process, press "ESC/MEM" key at any time, previous modifications will be saved.
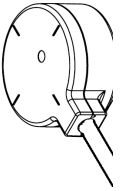
Simple Start Up

Pulse Sensor Head Set

Linking and unlinking the senders

Battery compartment

Step C1 (Continue from Step A)

Insert 2pcs AA batteries into Sender

Step C2

Linking a sender

(a) Press both "SET/MODE" and "ESC/MEM" keys for 2 seconds to access the learn mode and "SYNC" will be displayed.

(b) Press "Link" key on the sender for two seconds to setup up the linkage between the sender and display unit.

(c) The Link LED will flash to indicate the finish of the process.

(d) At display unit, "PUL" will be displayed; "kWh" is blinking; and the ID of the sender (e.g. P-03) will be shown.

(e) Press "SET/MODE" to confirm and continue.

Link Key

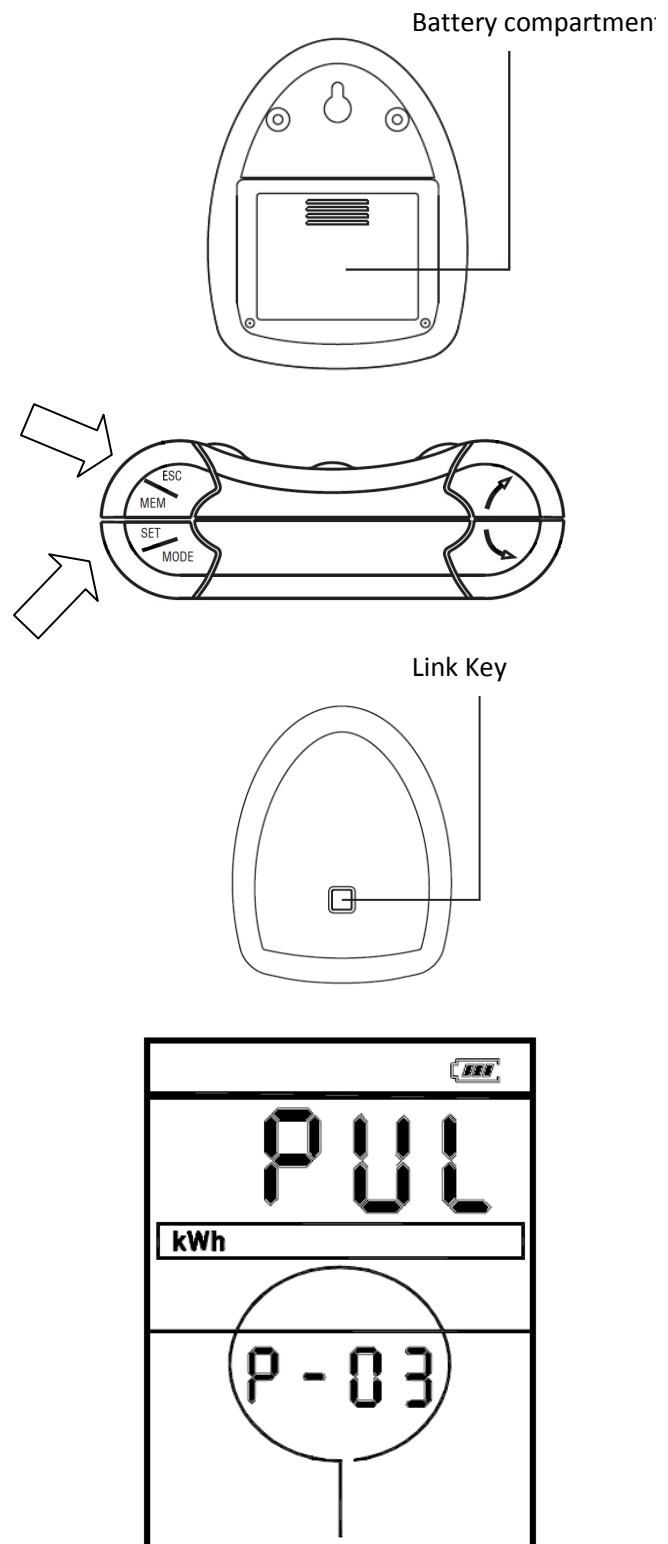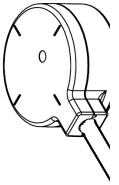(f) Press Arrow and "SET/MODE" key to adjust and set the value of first blinking digit. Repeat the process for all digits to complete the number of pulse per kWh. The number of pulse per kWh can be found on your Power Meter (e.g. 1000 imp/kWh)
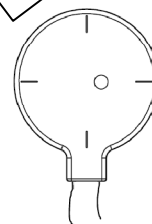*(If you want to amend the number of pulse per kWh, you need to unlink this device and re-link it again)*
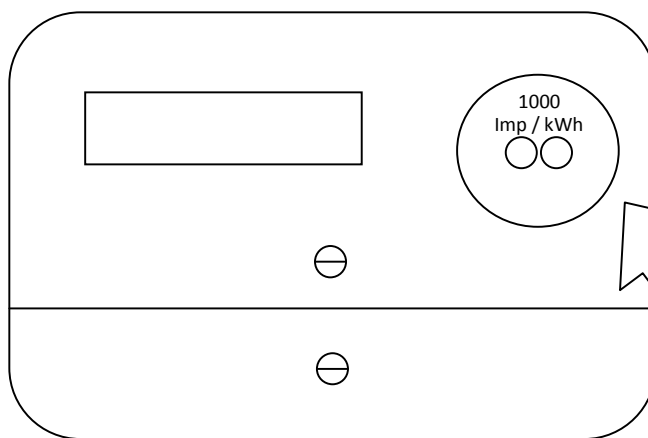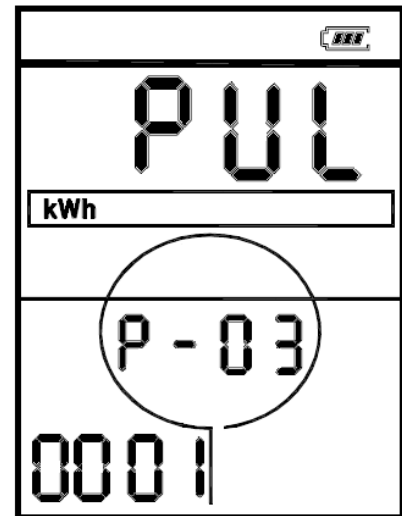
Stick the Sensor head on your Power meter

Step C3

Locate Electricity Meter, identify live supply cable and basic safety check

(a) Locate your electricity meter

(b) Visually inspect the insulation (plastic covering) to ensure no damage or deterioration such as cracks in the outer covering, visible copper cores etc…

(c) Extreme care must be taken when working with electrical equipment as touching exposed electrical wires may result in electrocution casing death. If you are in any doubt during the inspection, please consult a qualified electrician.

Step C4

Stick Sensor Head on your Power Meter

(a) Stick the Sensor head on your Power Meter.

(b) Plug sensor cable jack into the socket located at the bottom of transmitter unit.
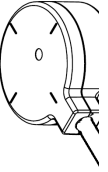
Unlinking a sender(Optional)

(a) To enter the delete mode, press the Set/Mode in the synchronizing mode.

(b) Press Arrow keys to browse the senders and remove it from the system by pressing "SET/MODE" key.

Note: "NULL" will be shown when no sender in the system.
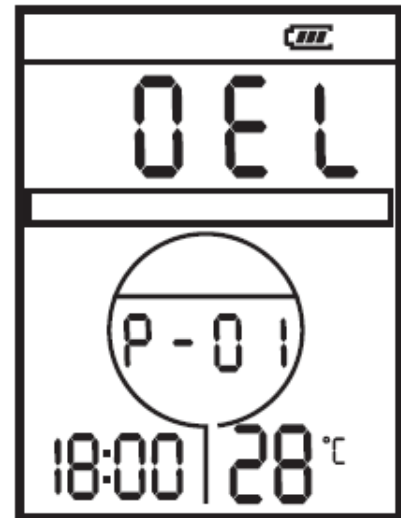
Product Specification

Radio Frequency and Range (Display unit / sender):

System: 433MHz radio frequency, around 50m (Open space)

Power Supply:

Display Unit: 3V (2 x AAA batteries, can use 4 x AAA batteries to extend the battery life)

Sender: 3V (2 x AA batteries)

Operating environment:

Operating temperature: 0°C-50°C

Storage temperature: 0°C-70°C

Pulse Sensor Accuracy:

Detecting Tolerance:+/-1 pulse/10second

Pulse detection range: 0-2KHz

Power On Factory Default Settings:

AC Voltage: 220VAC

No. of kgCO2 per 1 kWh: 0.420

Temperature Unit: °C

Currency: $

Cost Alarm: 9.999/hour, OFF

Tariff charge: 12.0cent/kWh

Troubleshooting

(a) The reading shows 0.000 and flashes.
   Try this:
   - Re-establish the linkage by pressing the link key on the sender / energy socket.
   - Check the batteries of the sender.
   - Take the sender or display closer than each other.

(b) The reading always shows 0.000.
   Try this:
   - Check the clamp from the sensor and ensure that it is clamped on the live cable.
   - Check the pulse head with stick on the correct LED pulse output on meter
   - Check the energy socket which is plugged in electrical outlet properly with loading
   - The reading always shows 0.000.

(c) The alarm doesn't work.
   Try this: Please ensure the alarm is turned on in the setting mode.

(d) No display reading on the LCD
   Try this: Please check to see if the batteries are exhausted

NOTE: The Technical specifications for this product and the content of the user manual are subject to change without notice. Images shown in this manual may differ from the actual products