



MAN-171-0001-B Bluetooth Interface Link various HWM Logger Devices User Guide

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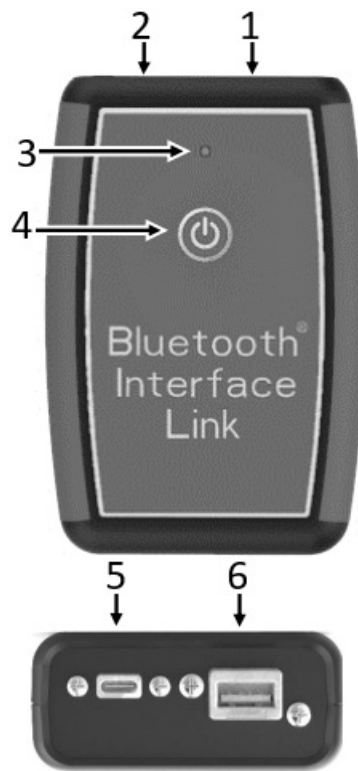


**Bluetooth®
Interface Link**

Quick Start Guide / Safety Information

This document applies to the following family of devices:

- C171 / * / * / *



1. USB-A
2. USB-C
3. LED
4. Button
5. Communications
6. Battery Charge

Introduction:

The Bluetooth Interface Link is a device that is used for setup and configuration of various HWM logger devices, using the relevant USB-A to logger communications cable and the 'IDT app' (installed on a mobile phone or tablet, which must support Bluetooth (B.L.E)). Refer also to your logger user-guide and the IDT app user-guide.

This guide covers most basic operations of the unit.

The unit is powered by a rechargeable battery. Charge before use.

The unit, cables used, and chargers should be kept dry at all times.

Contents:

- Bluetooth Interface Link unit
- USB-A to USB-C cable (for charging) (Option)
- 12V to USB-A car adaptor (Option)
- Mains to USB-A power adaptor (Option)

Charging Instructions:

1. Connect the USB-C charging cable between the Bluetooth Interface Link and a powered USB-A connector (Car adaptor or mains adaptor, etc). Only use the cable supplied with the unit.
2. LED displays red until fully charged, then green.

Charging Indication:

In 'Standby' mode, the LED will give a short flash every 5 seconds.

In 'Pairing' mode or 'Connected' mode, hold the button for a short duration. During this time the LED will show the charge condition.

Green = Battery in an OK charge condition.

Red = Battery requires re-charge.

Use Instructions:

Switch unit **ON / OFF** (Standby):

1. Turn unit "ON": Press button for a few seconds.

The unit is initially in 'Pairing' mode.

(It will return to 'Standby' mode after approximately 2 minutes, unless connected via Bluetooth).

Pairing mode: LED is flashing, amber colour.

2. Turn unit "OFF": Press button. LED initially indicates charge condition.

Hold button for a few seconds.

(The Bluetooth Interface Link will go into 'Standby' mode.)

Mobile phone / IDT app **Connection:**

1. The Bluetooth Interface Link must be in 'Pairing' mode.
2. When near the mobile phone, use the IDT app to connect to the unit (see IDT guide for instructions). The Bluetooth Interface Link advertises itself with a name of "BIL" + nnnnnn, where nnnnnn is the serial number.

The Bluetooth Interface Link will enter 'Connected' mode.

Connected mode: LED is flashing, green colour.

(Note: When in 'Connected' mode or 'Logger Communications' mode, the unit will return to 'Standby' mode if the Bluetooth Connection becomes lost. E.g., If IDT app disconnects, or is not being used, or if the mobile phone is out of Bluetooth radio range).

Logger **Communication** (connection / disconnection):

1. Ensure the unit is ON and the LED indication shows the unit is in the 'Pairing' mode.
2. Connect the logger communications cable to the logger and to the USB-A connection of the Bluetooth Interface Link unit.
3. Use IDT app to select the Bluetooth Interface Link as the device to communicate with. (See IDT app user-guide).
4. IDT app initially communicates with the Bluetooth Interface Link unit, which enters 'Connected' mode. Then the IDT app identifies the connected logger and starts communication with it.
The Bluetooth Interface Link enters 'Logger Communication' mode.
Logger Communication mode: LED is flashing with red and green colours.
5. When finished with setup or test of your logger, **do not** disconnect the cable until the IDT app has finished communications and closed the connection to the logger in an orderly way; follow the steps in the IDT user guide.
6. When the Bluetooth Interface Link has returned to 'Pairing' mode, the cable can be disconnected.



- Carefully read the information in this document and on the packaging before using the product. Retain all documentation for future reference.
- The Bluetooth Interface Link is not approved for use within a potentially explosive atmosphere. Do not attempt to use the Bluetooth Interface Link within a potentially explosive atmosphere, or in conjunction with any device installed within such an environment.
- Contains a Lithium battery. Fire, explosion and severe burn hazard. Do not crush, disassemble, heat above 100°C, incinerate, or expose contents to water.
- CHOKING HAZARD - Contains small parts. Keep out of the reach of small children.
- Designed for use in vehicle or indoors only. Protect from water. Water ingress may cause damage to equipment, including risk of explosion.
- The mains-powered charger and car-powered charger are designed for indoors use or in-vehicle use only.
 - o Protect from water. Water ingress may cause damage to equipment, including risk of electric shock.
 - o Do not touch the mains-powered charger with wet hands.
- If the mains charger becomes damaged, it must not be used. It must be replaced.
- Do not disassemble or modify the equipment.

Use and Handling

- The equipment contains sensitive parts that can be damaged by incorrect handling. Do not throw or drop the equipment or subject it to mechanical shock. When transporting in a vehicle, ensure the equipment is secured and adequately cushioned, so it cannot fall and so that no damage can occur.
- No user-serviceable parts inside. The equipment must only be serviced or disassembled by the manufacturer or its authorised repair centre.
- The equipment is powered by an internal battery which may present a risk of fire or chemical burn if the equipment is mistreated. Do not disassemble, heat above 100°C, or incinerate.
- Normal operating temperature: -20°C to +60°C. Do not expose to direct sunlight for prolonged periods. Do not mount on apparatus that can exceed this temperature range.
- The equipment may be recharged using an appropriate power source and a USB-C cable. Temperature limits during charging: 0°C to 40°C.
- Handling the equipment using the communications or charging cable can cause permanent damage and is not covered by warranty. The connectors or cables may become damaged. The unit may detach from the cable and fall, with possible damage resulting.
- The equipment can become damaged by applying heavy loads or forces to it.
- The equipment may be cleaned by use of a soft cloth lightly moistened with a mild cleaning fluid (e.g. a diluted domestic dishwashing liquid). Dry immediately after cleaning using a dry soft cloth. Do not allow water to enter the unit or connectors during cleaning. When the connectors are not in use, keep the inside of the connectors clean. Do not allow liquid, moisture, or small particles to enter the equipment or connector.

Radiation Exposure Statement

- This equipment contains a radio transmitter and receiver.

- When using this product, maintain a 20 cm (or greater) distance between the unit and the head or body of the user or nearby persons.



Battery Caution Points

- The equipment contains a rechargeable Lithium Polymer battery.
- In the event of damage to the battery or the equipment, do not handle without appropriate protective clothing.
- Do not attempt to open, crush, heat or set fire to the battery.
- In the event of damage to the battery or equipment, ensure there is no risk of short-circuit whilst handling or shipping. Pack with non-conductive materials that give suitable protection. Refer to sections “Waste Electrical and Electronic Equipment” and “The Battery Directive”.
- If the battery fluid leaks, stop using the product immediately. If the battery fluid gets onto your clothes, skin, or eyes then rinse the affected area with water and consult a doctor. The fluid can cause injury and blindness.
- Always dispose of batteries in accordance with local laws or requirements.

Battery - Lifetime

- The battery is rechargeable.
- Do not store above 30°C for prolonged periods, as this will reduce the life of the battery.

Waste Electrical and Electronic Equipment and the Battery Directive



Disposal and recycling: When the equipment or its batteries reach the end of their useful life, they must be disposed of responsibly, according to any applicable country or municipal regulations. Do not dispose of Waste Electrical and Electronic Equipment or batteries as normal domestic waste; they must be taken by the user to a separate waste collection point designated for safe handling and recycling in accordance with local laws.

Waste Electrical and Electronic Equipment and batteries contain materials that, when correctly processed, may be recovered and recycled. Recycling product reduces the need of new raw materials and also reduces the amount of material that is sent for disposal as landfill. Improper handling and disposal can be harmful to your health and the environment. For more information regarding where the equipment can be accepted for recycling, please contact your local authority, recycling center, distributor or visit the website

<http://www.hwmglobal.com/company-documents/>

Waste Electrical and Electronic Equipment.

HWM-Water Ltd is a registered producer of Electrical and Electronic Equipment in the United Kingdom (registration number WEE/AE0049TZ). Our products fall under category 9 (Monitoring and Control Instruments) of The Waste Electrical and Electronic Equipment Regulations. We take all environmental issues seriously and fully comply with the requirements for collection, recycling and reporting of waste products.

HWM-Water Ltd is responsible for Waste Electrical and Electronic Equipment from customers in the United Kingdom provided that:

The equipment was produced by HWM-Water Ltd (Palmer Environmental / Radcom Technologies / Radiotech / ASL Holdings Ltd) and supplied on or after 13th August 2005. or

The equipment was supplied before 13th August 2005 and has been directly replaced by HWM-Water Ltd products manufactured since 13th August 2005.



HWM-Water products supplied after 13th August 2005 can be identified by the following symbol: 

Under HWM-Water Ltd.'s Terms and Conditions of Sale, customers are responsible for the cost of returning Waste Electrical and Electronic Equipment to HWM-Water Ltd and we are responsible for the costs of recycling and reporting on that waste.

Instructions for returning Waste Electrical and Electronic Equipment:

- (1) Ensure that the Waste Electrical and Electronic Equipment meets one of the two conditions above.
- (2) The waste will need to be returned in accordance with the regulations for transporting equipment with lithium batteries.
 - a. Pack the equipment in strong, rigid outer packaging to protect them from damage.
 - b. Attach a Lithium Warning Label to the package.
 - c. The package must be accompanied by a document (e.g., consignment note) that indicates:
 - i. The package contains lithium metal cells;
 - ii. The package must be handled with care and that a flammability hazard exists if the package is damaged;
 - iii. Special procedures should be followed in the event the package is damaged, to include inspection and repacking if necessary; and
 - iv. A telephone number for additional information.
 - d. Refer to the ADR regulations on shipping dangerous goods by road.
- (3) Return the Waste Electrical and Electronic Equipment to HWM-Water Ltd using a licensed waste carrier.

In accordance with the regulations, customers outside the United Kingdom are responsible for Waste Electrical and Electronic Equipment.

The Battery Directive

As a distributor of batteries HWM-Water Ltd will accept old batteries back from customers for disposal, free of charge, in accordance with the Battery Directive.

PLEASE NOTE: All lithium batteries (or equipment containing lithium batteries) MUST be packaged and returned in accordance with the relevant regulations for transporting lithium batteries.

A licensed waste carrier must be used for transporting all waste.

For more information on Waste Electrical and Electronic Equipment compliance or the Battery Directive please e-mail CSservice@hwm-water.com or phone +44 (0)1633 489 479

Radio Equipment Directive (2014/53/EU):

1. Radio frequencies and Powers.

The frequencies used by the wireless features of this product are in the 2.4GHz range.

Wireless frequency band and maximum output power:

- Bluetooth 2.45GHz : less than 1mW.

Regulatory Compliance Statement:

Hereby, HWM-Water Ltd declares that this equipment is in compliance with the following:

Radio Equipment Directive: 2014/53/EU and the relevant UK Statutory Instruments requirements.

A copy of the full text of the UK and EU declarations of conformity is available at the following URL:

FCC Compliance Information:



Fluid Conservation Systems,
1960 Old Gatesburg Road, Suite 150,
State College, PA 16803
T: 1-[800-531-5465](tel:800-531-5465)

The following product models:
Bluetooth Interface Link (C171 / * / * / *)
Comply with the rules, as applicable.

FCC compliance statement:

- 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.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Contains FCC ID: RI7-S42M.

Industry Canada - Compliance Statement:

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Contains IC: 5131A-S42M.




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MAN-171-0001-B

Part-Number: Pac0130 Issue B

Documents / Resources

	HWM MAN-171-0001-B Bluetooth Interface Link various HWM Logger Devices [pdf] User Guide MAN-171-0001-B, MAN-xxx-0001-A, MAN-171-0001-B Bluetooth Interface Link various HWM Logger Devices, MAN-171-0001-B, Bluetooth Interface Link various HWM Logger Devices, Interface Link various HWM Logger Devices, various HWM Logger Devices, Logger Devices
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References

- [Convenient Water Delivery Near You | Primo Water Delivery](#)
- [HWM | Energy Management, Pressure Control, Data Collection, Environmental Monitoring, Leak Detection,](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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