




HWM MAN-147-0003-C MultiLog2 Logger User Manual

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HWM MAN-147-0003-C MultiLog2 Logger



Product Information

The product manual provides important safety warnings and approvals information for the product with reference code MAN-147-0003-C. The equipment uses a high-strength magnet and should not be carried by or placed in the proximity of anyone with a heart pacemaker. The magnet can permanently corrupt magnetic storage media such as floppy discs, hard discs, and tapes, and can also damage TV and PC monitor screens and some watches. The equipment is produced by HWM-Water Ltd (Palmer Environmental / Radcom Technologies / Radiotech / ASL Holdings Ltd) and was supplied on or after 13th August 2005.

The product also provides information on waste electrical and electronic equipment and the battery directive. 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. HWM-Water Ltd is responsible for the costs of recycling and reporting on that waste.

The radio frequencies used by the wireless features of this product are in the 700 MHz, 800 MHz, 850 MHz, 900 MHz, 1700 MHz, 1800 MHz, 1900 MHz, and 2100 MHz ranges. The wireless frequency band and maximum output power should not exceed 2.25W. Only antennas supplied by HWM should be used with this product.

Product Usage Instructions

Before using the product, carefully read the information in the document and on the packaging. Retain all documentation for future reference. Do not carry or place the equipment in the proximity of anyone with a heart pacemaker. Do not use the equipment near magnetic storage media such as floppy discs, hard discs, and tapes, as well as TV and PC monitor screens and some watches.

When the product or its batteries reach the end of their useful life, dispose of them 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.

If you need to return Waste Electrical and Electronic Equipment, ensure that it meets the conditions specified in the product manual. Pack the equipment in strong, rigid outer packaging to protect it from damage. Attach a Lithium Warning Label to the package. The package must be accompanied by a document (e.g. consignment note) that indicates that the package contains lithium metal cells, must be handled with care, and that a flammability hazard exists if the package is damaged. Follow special procedures in the event of damage.

As a distributor of batteries, HWM-Water Ltd accepts old batteries back from customers for disposal, free of charge, in accordance with the Battery Directive. If you are returning equipment containing lithium batteries, package and return them in accordance with the relevant regulations for transporting lithium batteries.

IMPORTANT SAFETY NOTE:

This equipment uses a high-strength magnet and should not be carried by or placed in the proximity of anyone with a heart pacemaker. This magnet can permanently corrupt magnetic storage media such as floppy discs, hard discs and tapes, etc... It can also damage TV and PC monitor screens and some watches.

Carefully read the information in this document and on the packaging before using the product. Retain all documentation for future reference.

SAFETY

- Refer to the "Important Safety Note" at the start of this document, regarding Heart Pacemakers.
- Contains a Lithium battery. Fire, explosion and severe burn hazards. Do not recharge, 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 outdoor use in areas that may become flooded resulting in the equipment becoming soiled. Wear appropriate protective clothing when installing or removing the product from the installation site. Protective clothing is also required when cleaning the equipment.
- Do not disassemble or modify the equipment, except where detailed instructions are given in the user manual; Follow the instructions within the user manual. The equipment contains a seal to protect against water and moisture ingress. Water ingress may cause damage to equipment, including risk of explosion.

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 devices are secured and adequately cushioned, so they cannot fall and so that no damage can occur
- No user-serviceable parts inside, unless details are given in the user manual. Follow the instructions in the user guide. The equipment must only be serviced or disassembled by the manufacturer or its authorized repair center.
- 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.
- Where an external battery is supplied, this also 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. Do not store above 30°C for prolonged periods.
- The antenna must be attached to the unit before use. Align the antenna connector and rotate the outer nut

clockwise until it is finger-tip tight. Do not over-tighten

- To prevent damage, put the logger into deep-sleep (storage) mode before disconnecting the antenna. Refer to the user-guide for instructions.
- When carrying the equipment, hold it by its main body or carrying handle. Carrying the equipment by using attached cables or tubes can cause permanent damage and is not covered by a warranty
- Store unused loggers in the original packaging. 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 dish-washing liquid). A disinfectant solution may be used to sanitise if required (e.g. a diluted domestic disinfectant). For heavy soiling, gently remove debris with a brush (e.g. a domestic dishwashing tool, or similar). Ensure all connection points have a water-tight cover attached during cleaning, to prevent water ingress. 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. Do not pressure-wash as it may damage the equipment.

Radiation Exposure Statement

- This equipment contains a radio transmitter and receiver. Use of antennas and accessories not authorised by HWM may void the compliance of the product and may result in RF exposures beyond the safety limits established for this equipment.
- When installing and using this product, maintain a 20 cm (or greater) distance between the antenna and the head or body of the user or nearby persons. Attached antenna must not be touched during transmitter operation. Battery – Caution Points.
- The equipment contains a non-rechargeable Lithium Thionyl Chloride battery. Do not attempt to re-charge the battery.
- Where an external battery is supplied, this also contains a nonrechargeable Lithium Thionyl Chloride battery. Do not attempt to re-charge the 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 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 single-use (not rechargeable).
- Do not store above 30 °C for prolonged periods, as this will reduce the life of the battery.
- The lifetime of the battery is limited. The equipment is designed to minimise power use from the battery, but this can vary according to the specific tasks it is given, its installation conditions and the operation of any 3rd - party equipment it communicates with. The equipment may re-attempt certain tasks (e.g. communication) if required, which decreases battery life. Ensure the equipment is installed correctly to maximise its battery life.
- Where the equipment has a facility to provide additional power, only batteries and / or parts supplied for the equipment by HWM should be used.

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 WEEE 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:
 - The package contains lithium metal cells
 - The package must be handled with care and a flammability hazard exists if the package is damaged;
 - Special procedures should be followed in the event the package is damaged, including 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. Do not transport damaged, defective, or recalled lithium batteries by air.
 - e. Before shipping, the equipment must be shut down. Refer to the User Guide of the product and any applicable utility software for the guidance on how to deactivate it. Any external battery pack must be disconnected.
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 the Waste of

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 CSERVICE@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 700 MHz, 800 MHz, 850 MHz, 900 MHz, 1700 MHz, 1800 MHz, 1900 MHz and 2100 MHz ranges. Wireless frequency band and maximum output power: • GSM 700/800/850/900/1700/1800/1900/2100 MHz : less than 2.25W
2. Antennas Only antennas supplied by HWM should be used with this product.

European Union – 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:

www.hwmglobal.com/product-approvals/

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Documents / Resources



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MAN-xxx-0001-A, MAN-147-0003-C, MAN-147-0003-C MultiLog2 Logger, MAN-147-0003-C, MultiLog2 Logger, Logger

References

- [Water.com Bottled Water | Delivery Service](#)

- [🕒 HWM | Energy Management, Pressure Control, Data Collection, Environmental Monitoring, Leak Detection.](#)
- [🕒 Company Documents](#)
- [🕒 Product Approvals](#)

Manuals+.