



Medialon Safety Instructions for installation, use and service



Ensure that you understand and follow all of these safety guidelines, instructions and warnings before installing your Medialon software and hardware. This document contains important information to prevent personal injury while installing and using Medialon equipment and software, and to prevent damage to your Medialon equipment.

Safety Instructions

This document applies to the following Medialon products and associated software:

- Medialon Showmaster Go
- Medialon Showmaster Mini
- Medialon Showmaster LE
- Medialon Showmaster PRO
- Medialon MAS PRO Dante

Regulatory compliance

This equipment is built in accordance with the requirements of the international safety standards IEC60950-1, EN60950-1, UL60950-1 and CAN/CSA C22.2 No.60950-1, which are the safety standards of information technology equipment including electrical business equipment. These safety standards impose important requirements on the use of safety-critical components, materials and insulation, in order to protect the user or operator against risk of electric shock and energy hazard and having access to live parts.

Safety standards also impose limits to internal and external temperature rises, radiation levels, mechanical stability and strength, enclosure construction, and protection against the risk of fire. Simulated single-fault condition testing ensures the safety of the equipment to the user even when the equipment's normal operation fails.

Hardware Installation

- The device may only be installed and operated by authorized, suitably-qualified personnel. More advanced configurations of the device and associated systems may only be made by skilled personnel with knowledge of the appropriate technology.
- Place the device on a flat, solid and stable surface or fix the device to an appropriate rack mounting system that can support the total weight of the device such that it cannot slip, slide or fall. Showmaster Mini is not rack mountable, it is DIN rail mounted. Showmaster

Go can be mounted in a rack mount or a shock mount, both of which are optional.

- Do not block any ventilation openings.
- Do not install near any heat sources or where heat from other apparatus (including amplifiers) might be drawn in.
- Do not mount vertically, or enclose the unit, in such a way that exhaust heat from the back of the unit may be drawn back in through the sides.
- Do not use this apparatus near water.
- Cleaning: the external casing and front panel should be carefully wiped with a soft cloth and antistatic solution.

Hardware Environment

- Allowed ambient temperature range: 0°C (32°F) to 40°C (104°F)
- Relative humidity (RH) = 10% to 80% at 25°C non-condensing.
- Medialon devices should be operated in a clean, dry, dust-free area.
- The device is intended for operation in benign environments; that is, not subject to corrosive or explosive atmospheres, moisture or flammable gases, extreme cold or heat. The device is non-protected against ingress of liquid (IPx0).
- The device is not designed to be subject to excessive mechanical shock or vibration.
- Whilst the Showmaster Go is designed for moving environments, and is resilient to vibration and shock to BS EN 60068-2-6, further protection especially in mounting security is available by using the optional anti-shock frame.

Electrical connection

- Only use the low-voltage power units and power cords supplied for the device.

- Remove the mains supply when the device is not to be used for extended periods of time, or during electrical storms.

Connecting external equipment

- To ensure best performance from the device, and compliance with relevant EMC regulations, use only high-quality shielded data and signal cables.
- Only equipment and accessories approved to IEC 60950-1 and SELV circuits may be connected to the server. All equipment and accessories shall comply to the relevant standard for the server's port to which it is connected.

Warranty, support and service

- Do not attempt to service or modify this product in any way yourself, as opening or removing covers may expose you to dangerous voltage potentials and risk of electric shock.
- Medialon devices contain no user-serviceable parts. Refer all servicing to qualified service personnel.
- Attempts to alter the factory-set internal controls or to change other control settings not specially discussed in user manuals can lead to permanent damage to the device and render the warranty void.

CMOS battery replacement

- Danger of explosion if battery is incorrectly installed.
- Approved service personnel only may replace the CMOS battery, and only with the same or equivalent type recommended by Medialon.
- Disposal of used batteries: always consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.

When to seek inspection and service

- Remove all power from the device and refer servicing to qualified service technicians under the following conditions:

- If the product has been dropped or the casing or power unit has been damaged.
- If liquid has been spilled into the equipment, or the product has been exposed to rain or water.
- If the product does not operate normally when the operating instructions are followed.

Safety of third party systems

- Although Medialon control software is designed to control different kinds of hardware equipment, such as relays to control fireworks, Medialon control software *cannot be used to ensure the safety of users*.
- Users must make sure that all dangerous equipment controlled directly or indirectly by Medialon devices includes their own separate safety procedures and process.
- According to the dangerousness of certain kinds of equipment which can be controlled by this software, the liability of Medialon is subject to strict compliance with the safety instructions described here.

End of Service Life

- ⚠ Dispose of the equipment and any components in accordance with all local and national safety and environmental requirements.
Caution: risk of explosion or leakage of flammable liquids or gas. Any batteries should not be subject to extremely low pressure, extremely hot environments, disposed of in fire or mechanically crushed or cut.

Place of manufacture

- MBX Systems
1200 Technology Way
Libertyville, IL 60048
USA
- Armari Ltd (Showmaster Go)
5 Woodshots Meadow
Watford WD18 8YS
UK

Trademark Information

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Document Revision

Date	Document edition	Revision details
February 2020	1	New release
March 2021	2	Operating environment range amended down to 40 C
March 2020	3	Addition of end of service life advice

M562-3



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