

MS3-2R Maestro Server Instruction



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SAFETY INSTRUCTION read before use.

1. The device may only be installed and connected by a CDI certified, professional electrician and according to the relevant regulation in your country.
2. The device is for home or office use only, install it only indoors.
3. Make sure not to pinch cables during installation. If cable is damaged - replace it immediately.
Do not bend the power cord excessively, do not use force on cable and/or connectors.
4. Cut out the circuit breaker before working on or cleaning the device - risk of electric shock
5. Do not make connections while the power is on.
6. Use only with a CDI approved power supply.
7. Do not install near heat sources.
8. Do not expose to direct sun light.
9. Protect the equipment from overheating.
10. Do not expose to water, do not install in damp or wet locations, do not pour any liquid on the device.
11. Never push objects of any kind, or spill liquid of any kind into this product.
12. Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
13. When using this device with a MT104T, first power-up the MT104T and then power-up the Maestro Server.
14. These instructions have to be left with the user of this product.
15. Failure to follow these instructions may cause personal injury, electrical shock, fire, and/or other damage to equipment. .



INTRODUCTION

1.1 Before Installing

- Read this manual cover to cover.
- Pay attention to all warnings and cautions.
- Do not use components not recommend by CD Innovation.
- Do not attempt to service the device yourself. If a problem occurs, contact the manufacturer's authorized service center.

1.2 Unpacking

Open the shipping carton and check the contents. If any items are missing or damaged, contact your dealer immediately.

The package should include the following items:

1. Maestro Server.
2. Power Cord.
3. Power adapter.
4. Bracket wings for wall mount + 4 x m 3/6 screws.
5. Instruction.

1.3 About Your product

Maestro server is based on high performance, fanless, low power computer. Its CPU delivers one of the best performance per watt available in the market today.



TECHNICAL SPECIFICATION

2.1 Specification

Mechanical data:

Housing: Aluminum

Dimensions: (W,H,D) 260 mm x 47 mm x 115mm

Weight: 764g - net, 1680g - shipping weight including accessories and packing material.

Operating element:

On /Off Power Button.

Display element:

1 green power LED.

1 Yellow HD LED

Environmental Limits:

Operating Temp: 0°C to 40°C. (32°F to 104°F).

Operating Humidity: 10% to 85% Without Condensation.

Storage Humidity: 10% to 85% Without Condensation.

Power:

Input: 12VDC.

Power Adaptor: input 100 - 240V AC, output 12V_DC 5A.

Operations:

Power on - by power push button positioned at the side of the housing box.

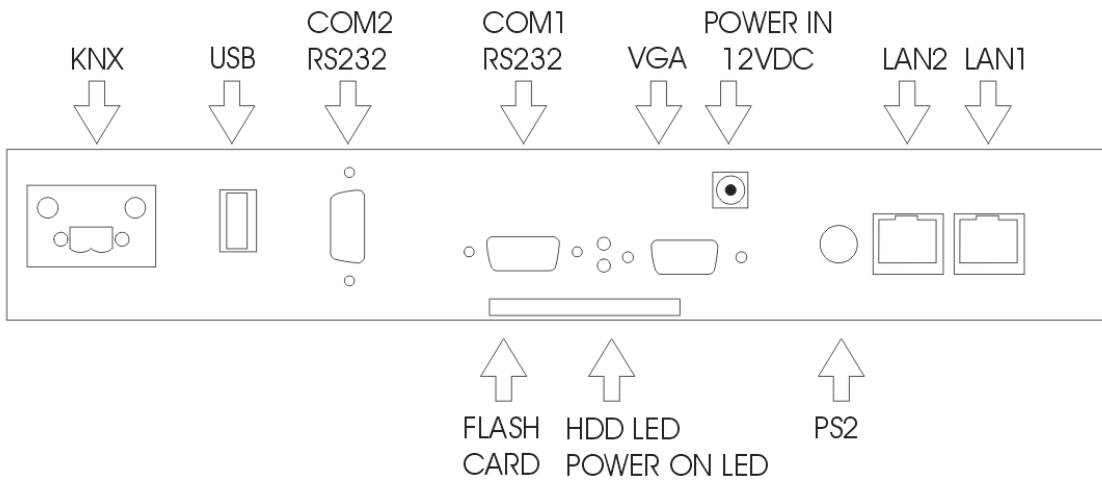
Power off – by setup page. (Cutting the device's power off or turning the devices off using the power push button can damage the device).

When power is returned, after power failure, the device will revert to its last (On or Off) state.

Setup:

By setup page

Connections:



Display: 1x VGA.

USB: 1x.

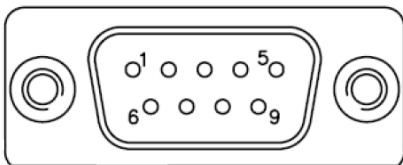
Ethernet: 2 x 10/100 BaseT RJ45.

KNX: Phoenix connector.

POWER: Low voltage 2.1mm socket.

Serial: COM1: RS232

COM2: RS232 (default). Can be preconfigured by CDI to RS485/RS422 before shipping.



RS232 pin configuration

- 1 – DCD
- 2 – RXD
- 3 – TXD
- 4 – DTR
- 5 – GND
- 6 – DSR
- 7 – RTS
- 8 – CTS
- 9 – RI

RS485*/422 pin configuration (COM2 only)

- 1 – TXD⁻*
- 2 – RXD⁻
- 3 – TXD⁺*
- 4 – RXD⁺
- 5 – +5V
- 6 – GND

Do not select a mode different from the one used by the connected peripheral, as this may damage CPU board and/or peripheral. The transmitter drivers in the port are short circuit protected by a thermal protection circuit. The circuit disables the drivers when the die temperature reaches 150 °C.

RS-422 mode is typically used in point to point communication. Data and control signal pairs should be terminated in the receiver end with a resistor matching the cable impedance (typical 100-120 Ω). The resistors could be placed in the connector housing. RS-485 mode is typically used in multi drop applications, where more than 2 units are communicating. The data and control signal pairs should be terminated in each end of the communication line with a resistor matching the cable impedance (typical 100-120 Ω). Stubs to substations should be avoided.



WARRANTY

- a. The product is warranted, solely to buyers who purchased the device directly from CDI (“buyer”), against material defects in workmanship or materials at the time of shipment from CDI. CDI's sole obligation to buyer with respect to products found not to conform to this warranty, and as to which buyer has fully complied with its obligations. shall be limited, all at CDI's sole option: (i) to repair such Products; or (ii) to replace such Products; or (iii) to credit buyer's account for the net purchase price of such Products (after deduction for any discounts, allowances, and other applicable deductions, including where appropriate incidental costs incurred by CDI); or (iv) to provide buyer with replacement parts which in CDI's judgment are necessary and sufficient for the Products' repair by buyer or buyer's repair agent, in which event such replacement parts shall be provided without charge but any other costs associated with such repairs shall be borne by buyer. As a condition of providing relief under the foregoing warranty, CDI may in its sole discretion require that buyer, at buyer's expense, first return to CDI any Product or part thereof which buyer claims to be defective or otherwise entitled to warranty treatment or which CDI deems necessary to evaluate such claim. No such Product or part shall be returned, however, until buyer has first notified CDI with all practicable speed, and obtained CDI's authorization therefore. In lieu of requiring return, CDI may impose other requirements, such as but not limited to, detailed technical and diagnostic reports and/or third party verification.
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