

## MS4-4 - MAESTRO SERVER DATASHEET

The MS4-4 Maestro Server optimizes automation control and integration, allowing you to enjoy all the benefits of **KNX** and **IoT (Internet of Things)**, together with energy and financial savings, while creating comfortable, fully-customized environments.

### Central Functions:

The MS4 Maestro Server performs every central function: schedules, macros, alarms, logic and control functions, Email and more. Maestro is KNXnet/IP-enabled, so technicians can program and monitor KNX devices remotely via the internet.

### GUI:

Maestro enables remote control of automation systems via PC, tablet, and smart phone. The powerful Maestro Designer software enables the installer to build a flexible, user-friendly GUI, which has been specially designed to optimize user experience, allowing the user to customize and program control functions easily.



Maestro is KNXnet/IP-enabled so technicians can program and monitor KNX devices remotely via the Ethernet/internet, without any need to travel to the location

### External Interfaces:

Maestro has connectivity to KNX, ModBus, DMX, IP, RS232, RS485 and IR. It natively supports interfaces connecting to Sonos, Amazon-Alexa for KNX voice control, MQTT and DMX. In addition, it incorporates an add-on library for controlling external systems.

### IoT:

The Maestro Designer software utilizes an advanced protocol generator to implement the most complex two-way protocols, permitting control and interconnection of external devices/systems over the LAN and internet.

## MS4-4 - MAESTRO SERVER SPECIFICATIONS

### Software:

<b>Scheduling</b>	Manage daily, weekly, and yearly scheduled events, including sunset and sunrise time-based functions.
<b>Macros/Scenes</b>	Easily activate and establish presets through a user-friendly interface.
<b>Client App</b>	Client app for Android, iOS and Windows. Vivid GUI enables the viewing and control from a PC, tablet, and smart phone over the LAN and internet.
<b>Graphs</b>	Capable of collecting years of data and present it over various graphs.
<b>Logic Functions</b>	Function Blocks Controller – using drag and drop only, you can implement highly complex logic and control functions, for even more complex algorithms script language can be used.
<b>Built-in protocols</b>	Supports <b>KNX</b> , <b>ModBus</b> , <b>DMX</b> and <b>MQTT</b> (IoT protocol) protocols natively.
<b>Audio/Video &amp; IoT</b>	Maestro uses IR, RS232, RS485 IP and a two-way protocol generator in order to extend control and integrate external systems.
<b>KNX gateway</b>	Acts as a two-way KNX gateway for external control systems, by providing simple ASCII commands to control and monitor KNX.
<b>KNXnet/IP</b>	Utilizes the KNXnet/IP protocol, enabling remote programming of all KNX devices from ETS at a remote location.
<b>Email</b>	Sending different e-mail alerts for various events, the text content can be dynamically composed by the artificial intelligence of the Maestro.
<b>Cloud Management</b>	Includes a cloud management system, enabling easy maintenance, and firmware upgrades.

### Hardware:

<b>Order #</b>	MS4-4/MAX (unlimited), MS4-4/100 (100 group addresses), MS4-4/250 (250 group addresses).
<b>User Interface</b>	HDMI, monitor can be used for local graphic interface.
<b>Connectors</b>	5V DC-in jack • Gigabit Ethernet • 4 USB ports for KNX, mouse, serial RS232 and RS485 communications (via USB stick adapter).
<b>Build</b>	Fanless, diskless implementation for quiet, reliable, energy-efficient operation
<b>Power</b>	AC/DC adapter, input: 110-240V AC, output: 5V DC, 2A
<b>Dimensions / Weight</b>	WxHxD 71.5x91x60mm, DIN rail mounting / 226g
<b>Operating Environment</b>	Temperature: 0-40°C • Humidity: 30-90% non-condensing
<b>Regulatory Approval</b>	CE, FCC for the motherboard
<b>Parts</b>	MS4-4 unit • AC/DC adapter • USB KNX stick

These specifications are for general information purposes only and should not be considered binding. CD Innovation reserves the right to change/alter its products without prior notification. MS4-4V4.