

Multicustom presentation



PRODUCT REFERENCES

Multicustom/IP
Multicustom/485



WHAT IS MULTICUSTOM

The main word to characterize Multicustom is flexibility. **Multicustom** is an open architecture modular controller, that means it's possible to insert 10 different cards modules in each **Multicustom**-main box. Every card modules is available individually for a maximum of flexibility and simplicity.

Imagine in the same case you can combine infrared I/O, RS232, X10, relays, 0-10, VCA, digital feedback and EIB. Several identical **MCM card module** can be used in the main case. The possibilities are very extended.

VITY's touch panels can communicate with **Multicustom** using **MBC** wired bus (**Multicustom/485**) or LAN through **MBC LAN** module (**Multicustom/IP**). The controller can also be controlled by a standard PC using Ethernet and web. **Multicustom** is specially designed to expand up professional installations like conferences rooms, multi-room control, residences, houses, ...

EIB CONTROL

With its **MCM EIB** module you can drive devices through its dedicated bus. **EIB-KNX** is an international standard bus used into an electric closet to simplify the communication between the different electric commands. Thanks to the EIB module and without specific interface you can control every electrical system of a house or building (lighting, dimmers, heater, security, ...). The communication is bidirectional and use only 2 wires.

STAND ALONE

As **XMonopro**, **Multicustom** it has the capabilities of 1h48min of timeline management. Can be used without remote control and/or PC. It is the perfect controllers for stand-alone installations as Museums, spectacles, security, ... Can play a scenario. E.g: with a contact or a presence detection sensor you can turn on the lights & music, start video player, etc ...

Sequence starts with a single event as contact closure, presence sensor, RC 5 codes, etc.

WEB CONTROL

Control your installation from anywhere. If you use a **Multicustom/IP**, you can transform your web browser into a virtual touch panel, the **Multicustom/IP** embedded **java applet** will be loaded into your web browser then displayed on your PC screen. Now, You just have to click to control your installation in full security. The installation can also be controlled from an Ethernet network.

FULLY FLEXIBLE

If your main case is full, you can link up to 16 **Multicustom** by a **MBC** bus cable (or by Ethernet for the **Multicustom/IP**) to ensure a full coverage of your installations requirement. It can also be linked with **Multicustom**, **Minimono** and **Custo Series** controllers to fully respond to the installation requirement.

Identical or different standard modules can use any standards slots. **Multicustom** is flexible and low cost, you can buy just what you need.

Flexibility again for the fixation because **Multicustom** can be integrated into a 19" rack bay (delivery with rack fixation), on a DIN rail or on a US/UK standard electric cabinet.

FRONT AND REAR PANELS

With **Multicustom**, learning an infrared code becomes very easy thanks to its front panel sensor learner. Up to 255 codes can be learnt without any specific interface.

Visualisation of the sended commands by front panel LED.

Rear panel receive the modular cards.

TWO MODELS

To fully respond to all your expectations, **Multicustom** has been developed in 2 models:

Multicustom/IP:

Specifically developed for network use.

Communication by Ethernet on RJ45 connector 10 baseT and/or MBC bus.

Web server built-in for a remote control by Internet or Ethernet.

This version is necessary for all VITY's Ethernet remote control or even for a PC use.

Multicustom/485:

Communication by MBC bus on 3 pin phoenix screw type.

Use for VITY's **MBC** bus remote control: **VIMATY** & **PADMATY** series.

1 input MBC bus connector, 1 output MBC bus connector for chaining many **Multicustom**.



Rack version



Control by
web browser

Multicustom modules

Multicustom/485 - Multicustom/IP:

Min box for 10 modules: 8 standards and 2 specifics.
Delivery with motherboard and 19" rack adaptation fixations.

Main box:

2x MBC bus communication port on 3 pins phoenix connectors
MBC bus protocol:
Speed: up to 115 200 bps
Length: 8 bits
Parity: none
stop bit: 1
1x RS232 for software download and update on DB9F (**Multicustom/485** only)
1x Infrared learner for code learning
1x RJ 45 for Ethernet (**Multicustom/IP** only)
12 VDC - 1.8A power supply on 2 pins phoenix connectors (delivery)
Dimensions: 260 x 88 (2U) x 60 mm.
Weight: 820 g.



MCM IRTX



Standard module of 6 Infrared outputs ports on 3.5 mm mini-jack female. Need infrared emitter **VIEC 3501A**
Applications: VHS, DVD, Tuner, Hi-Fi, LCD, ... Impedance 100 ohm

MCM RS



Standard module of two RS232 Rx/Tx output ports on DB9F. Applications: Matrix switcher, scalers, videoprojector, ampli, ... Serial speed: up to 115 200 bps on port 1 and 57 600 on port 2. Length: 5, 6, 7 & 8 bits. Parity: none, even, odd. Bit stop: 1, 1.5, 2.

MCM RL



Standard module of 8 relays on 2 pins Phoenix screw block terminal (0-24VDC - 1A). Need external power relay **KRT** and **KRAL** coil power supply for up to 30 **KRT**. Applications: Electric screen, shutter, motorized devices, ...

MCM VCA



Standard module to control a balanced or unbalanced audio stereo volume. Phoenix 3 pins connectors. Input impedance 10kohms, output impedance 100 ohm - Max level 0dB - Gain -3 dB Bandwidth: 33Hz to 16 kHz.

MCM 0/10



Standard module of Eight 0-10 volt dimming on 2 pins phoenix screw block terminal. Applications: lights, dimmers, ... Impedance: 10 kohms - Levels: 256 - Current: 6mA for the eights outputs.

MCM EIB



Specific module to control EIB products by EIB bus protocol. Input and output are on two different connectors using phoenix 2 pins each. Use the same slot than **MCM PWL**.

MCM IRX



Specific module with 6 Infrared RC5 inputs on 3.5 mm jack female. Can receive all kinds of infrared receiver like **VIRx 3800** or IR keypad. Power supply protected on each input. Input number 6 can be used for infrared learning. Impedance 1 kOhm.

MCM JPI



Standard detection/feedback module of 8 logical contact closure (GPI) inputs on 2 pins phoenix (dry contacts, max voltage: 24 VDC). Applications: information feedback, temperature, heating, alarm, ring, ...

MCM A/I



Standard detection/feedback module of 8 analog inputs on 2 pins Phoenix plugs.
Level: 3, 6, 12, 24, 36 volts - Digital conversion 8 bits / 256 levels - Impedance 100 ohms.
Applications: Sensor giving a voltage variation, a level detection, an electric consumption, light intensity, **temperature** ...

MCM PWL



Specific module to control X10 power line interface control on RJ12 (module delivery with X10 interface XM 10E. This slot is shared with **MBC EIB** module).

Phoenix inputs and outputs connectors are detachable. Male plugs are free delivery with the MBC controller.