

MAG505C

Touch Screen Control Panel



Description

The MAG505C Touch Screen Control Panel is an ultra-thin programmable human-machine interface (HMI) designed for professional audio control and multi-zone PA system integration. Featuring a full-laminated capacitive touchscreen with gesture support, it delivers a highly responsive and intuitive user interaction experience.

Powered by a 32-bit ARM processor with integrated memory architecture, the device supports advanced UI customization and system integration through dedicated programming software. It includes expandable storage via Micro SD card and USB interface, enabling firmware upgrades, project deployment, and media storage flexibility.

Designed for intelligent control applications, the MAG505C supports RS232 and RS485 communication protocols, along with RJ45 networking and Euro terminal connectivity, making it suitable for both single-device and multi-device control architectures. Its standard 86-type wall-mount design ensures seamless integration into modern installation environments.

Features

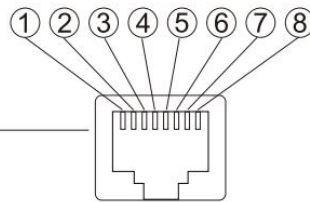
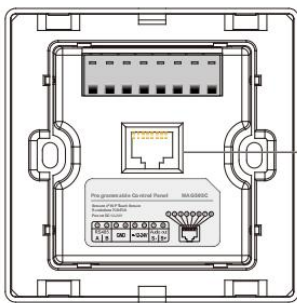
- 4-inch ultra-thin full-screen LCD touch panel with 720×720 resolution.
- Full-laminated capacitive touchscreen with multi-gesture control support.
- Built-in 32-bit ARM processor with integrated memory architecture.
- 64M CDR + 16M system memory for stable performance.
- Micro SD card slot supporting up to 32GB expandable storage.
- Built-in Micro USB interface for firmware upgrade and project management via PC.
- Programmable UI design software for fully customized interface modeling.
- RS232 and RS485 serial communication interfaces for intelligent control integration.

- 8-pin Euro terminal block and RJ45 port for single or multi-device networking.
- Supports centralized and distributed control system architecture.
- DC12V–24V wide-range power supply input.
- Standard 86×86 mm wall-mount form factor for embedded installation.

Specifications

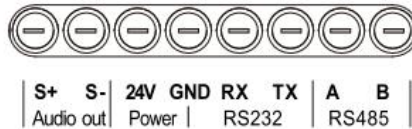
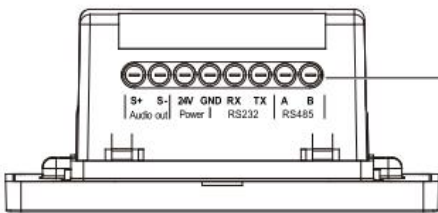
Model	MAG505C
Display Screen	4-inch ISP ultra-thin full-screen display, with resolution 720×720, 24 bits true color
Touch Screen	Full Laminated capacitive touch panel, gesture control is available
Processor	32 bit ARM processor with 64M CDR+16M memory, 300M Hz basic frequency
Interface	1 RS232 Serial Port / RS485 Serial Port/ Audio Output Interface/ Power Input Interface
Power	DC12V~24V
Dimension	Standard Euro 86mm panel, 86x86x39(mm)
Weight	0.126kg
Attachment	User Manual, programming software, (DC12V-DC24V adapter is selected according to the system)

Front / Rear Panel



From Left to Right:

- ① RS485-A
- ② RS485-B
- ③, ④ GND
- ⑤, ⑥ DC12V-24V Power Input
- ⑦, ⑧ Audio Output S- S+



From Left to Right:

- Audio Output S+
- Audio Output S
- DC24V Input
- GND
- RS232-RX
- RS232-TX
- RS485-A
- RS485-B

Note that RS232, DC24V and Audio Output share GND.

Dimensions

