

MP-WPB-8

Programmable Control Panel



Professional programmable control interface for presentation and AV environments.

The MP-WPB-8 provides eight customizable backlit buttons with programmable RS232, RS485, IR and relay control. It can control Milestone and third-party devices such as projectors and screens and can be programmed through USB or RS232 using PS-WP.

Key Features

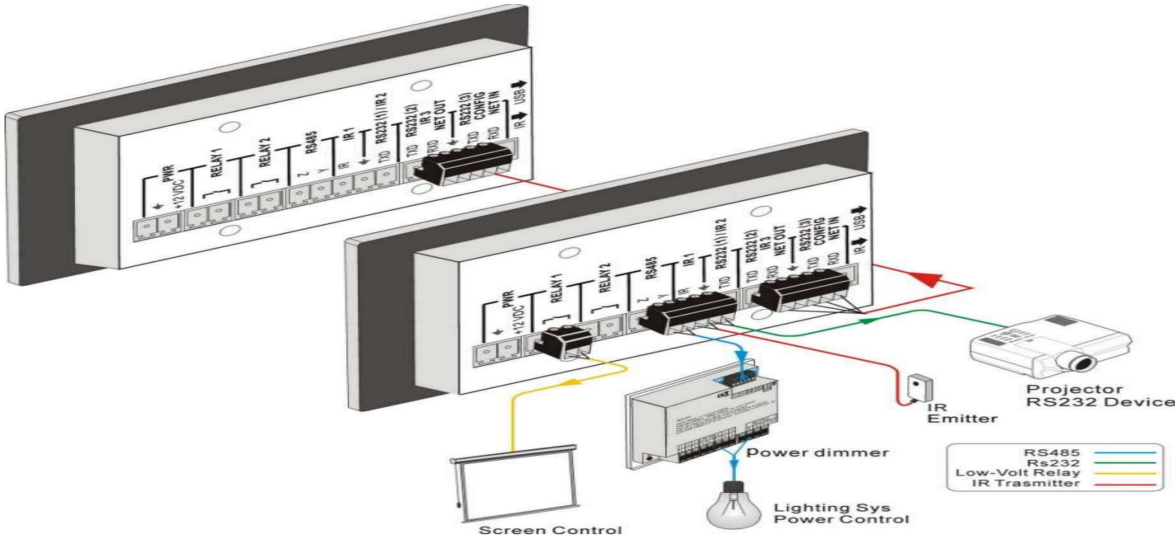
8 Programmable Buttons	Every button can be programmed individually or together and can execute multiple control actions.
Multi-Protocol Control	3× RS232, 1× RS485, 3× IR and 2× relay outputs.
USB / RS232 Programming	Program buttons using the PS-WP software through USB or RS232.
IR Learning	Built-in IR code learning and database creation.
Serial Learning	Buttons support RS232/RS485 command programming and baud-rate setting.
ID Looping	Up to 99 MP-WPB-8 panels can be looped and addressed by ID.
Custom Labels	Crystal, backlit buttons with changeable labels and controllable brightness.
Third-Party Control	Designed to control projectors, screens and other AV devices.

Technical Specifications

Product Type	Programmable wall / table control panel
Programmable Buttons	8 crystal, luminescent buttons
Program Port	USB or RS232
Output Ports	3 × RS232 • 1 × RS485 • 3 × Infrared • 2 × Relay
RS232 Baud Rate / Protocol	9600 baud; 8 data bits; 1 stop bit; no parity
Programming Software	PS-WP
Frequency Response	20 Hz ~ 20 kHz
Power Supply	100–240 VAC, 50/60 Hz
DC Operating Supply	12 VDC
Power Consumption	1 W
Operating Temperature	-20°C ~ +70°C
Humidity	10% ~ 90%
Dimensions	114 × 70 × 28 mm
Product Weight	0.15 kg
Looping Capacity	Up to 99 panels by ID; manual recommends 10 or fewer for normal interaction

System Integration & Control

Programmable control of AV equipment, lighting and power devices through multiple control protocols.



3.2 Connection of Programming and Looping

The MP-WPB-8 can be connected to the computer for programming, to default the functions of every button. It can be connected by USB or RS232, working with the PS-WP software. It is shown as below:

Rear / Side Interface Overview

POWER	12 VDC power input; polarity must be observed.
RELAY 1 / RELAY 2	Low-voltage relay outputs controlled by PS-WP.
RS232 (1) / IR2	Shared port; RS232 is unidirectional when selected.
IR1	Programmable IR output for controlling other devices.
RS485	Programmable RS485 control output.
RS232 (2) / IR3	Shared port for device control or looping output.
RS232 (3)	Device control, looping output, or PC connection.
MINI USB	PC programming and optional IR learning data transfer.
IR SENSOR	Receives and learns IR codes.

Programming & Control Functions

PS-WP Programming	Configure button functions, actions, events, serial commands, IR codes, relay actions and timing.
Button Programming	Each button can send RS232/RS485 commands, IR codes and relay control simultaneously.
Shared-Port Modes	PS-WP provides selectable combinations for the shared RS232/IR ports.
Event System	Supports action lists, event settings and event lists for programmed control sequences.
Looping	Panels are linked through inter-panel RS232; each unit uses a unique ID from 01–99.

Installation: Manual provides a desk/table mounting aperture guide; front panel uses customizable crystal backlit buttons. USB/RS232 programming and multi-panel RS232 looping are supported.
Source: Supplied MP-WPB-8 User Manual, Version MP-WPB-8_2016V1.0. Product image is from the manual cover; system diagram is reproduced from the manual's System Diagram page.