

MP-SC-CONTROL

18G In-line HDMI Controller with Auto Display Control



Product Overview

The MP-SC-CONTROL is an 18G in-line HDMI controller designed for automatic system control and HDMI signal extension in small meeting rooms and huddle spaces. It provides automated display control through CEC, RS232 and IR, with relay control for projection screens and flexible EDID/HDCP management.

Key Features

- Supports up to 4K×2K @ 60Hz, 4:4:4, HDR10 and Dolby Vision.
- HDCP 2.2 compliant with HDCP pass-through or conversion to HDCP 1.4.
- 4K-to-1080P down-scaling for compatibility with 1080P displays.
- 8 selectable EDID options with user-defined EDID upload via USB.
- Automatic display control using CEC, RS232 and IR commands.
- Contact-closure sensor input for external sensors or switches.
- Dual relay control for devices such as projection screens.
- Built-in signal equalizer for longer HDMI cable applications.

Technical Specifications

Video Input	1 × HDMI IN, Female Type-A HDMI
Input Resolution	Up to 4K×2K @ 60Hz, 4:4:4, 8-bit
Video Output	1 × HDMI OUT/CEC, Female Type-A HDMI
Output Resolution	Up to 4K×2K @ 60Hz, 4:4:4, 8-bit
HDMI Standard	HDMI 2.0
HDCP Version	HDCP 2.2
HDCP Pass-through	Supported
CEC Control	Supported
Hot-plug	Supported
Bandwidth	18 Gbps
Control Interfaces	SET button, 4-pin DIP switch, USB FW, IR OUT, RS232, Sensor, Relay 1–2
Control Connectors	1 × Type-A USB, 1 × 3.5 mm mini jack, 4 × 3-pin terminal blocks
HDMI Cable Length	1080P @ 60Hz: ≤10 m; 4K @ 60Hz: ≤5 m
Operating Temperature	–5°C to +55°C
Storage Temperature	–25°C to +70°C
Relative Humidity	10%–90%
Power Supply	Input: 100–240V AC; Output: 5V DC, 1A
Power Consumption	2.5 W max.
Dimensions (W×H×D)	120 × 28 × 84 mm
Net Weight	305 g

Control & Automation

Trigger methods: IR signal, HDMI video signal (5V or TMDS), or IR/video signal. **System ON:** CEC ON, RS232 commands, IR commands and Relay 1 operation. **System OFF:** CEC OFF, RS232 OFF, IR OFF and Relay 2 operation. **RS232:** 9600–115200 baud options, ASCII/HEX commands and configurable delays. **IR:** front-panel IR learning and configurable ON/OFF command transmission.

Package Contents: Controller, mounting ears with screws, terminal blocks, RS232 cable, 5V DC 1A power adapter and user manual.

Warranty: 3 years