

MP-WP-6K

Wallplate Control Keypad

room or classroom, and will always have a consistent control interface from room to room.

Note: The MP-WP-6K Wallplate Control Keypad only works with our MP-SC-5TDS Compact Scaler Switcher.

1.2 Features

- Remote control panel for IP-based scaler and switcher products.
- Six customizable buttons, can be defined function and trigger mode by TCP/IP and RS232, with changeable labels, Allow system designers and installers to easily place printed labels on the controller under a protective cover.
- It can be powered by Ethernet (PoE).
- Elegant US one gang design with White Flat Paint coating.
- Crystal and backlit buttons with easy user-friendly customizable changeable labels.
- Dimension: 70mm long and 34mm wide.

1.3 Package List

1 x MP-WP-6K, 1 x MP-SC-5TDS, 1 x MP-SC-5TDS, 1 x MP-SC-5TDS

PRODUCT OVERVIEW

The MP-WP-6K is a wallplate control keypad designed as a remote control interface for IP-based scaler and switcher products. Its six programmable buttons can be customized to send TCP/IP and RS232 control commands, while the integrated volume knob provides convenient audio adjustment. Power and control can be delivered over Ethernet using PoE.

IMPORTANT COMPATIBILITY

The supplied manual specifies that the MP-WP-6K only works with the MP-SC-5TDS Compact Scaler Switcher.

KEY FEATURES

- Six crystal, backlit and programmable buttons with changeable labels.
- Each button can be configured for Click or Long Press action.
- TCP/IP and RS232 control for supported functions.
- PoE-powered Ethernet interface for control signal and power.
- Integrated volume adjustment knob.
- Elegant US one-gang wallplate design with white flat paint coating.
- Point-to-point or multipoint-to-multipoint control system using CATx cabling.
- Control software enables fast configuration of button functions and labels.

TECHNICAL SPECIFICATIONS

Category	Parameter	Specification
Control	Control Ports	1 × TCP/IP; 1 × RS232
Control	Connectors	1 × RJ45; 1 × 3-pin pluggable terminal block
Control	RS232 Protocol	57600 baud, 8 data bits, 1 stop bit, no parity
Control	Programmable Keys	6 customizable buttons
Control	Button Action	Click or Long Press
Control	Configuration	Control Software / RS232
Power	PoE	Supported through Ethernet interface
Power	External Supply	Input: 100–240VAC, 50/60Hz; Output: 12VDC 1A
Power	Consumption	1W (Max)
Mechanical	Dimensions (W×H×D)	86 × 86 × 41 mm
Mechanical	Net Weight	150g
Environment	Operating Temperature	–20 to +70°C
Environment	Humidity	10%–90%

Note: The panel drawing in the manual additionally labels 70mm and 34mm dimensions for the keypad/button area. The formal specification section lists the overall product dimensions as 86 × 86 × 41mm.

PANEL & INTERFACE DETAILS

Front / Wallplate Controls

No.	Interface / Control	Description
1	VOLUME	Volume adjusting knob.
2	6 KEYS	Six crystal and luminescent programmable buttons. Each key can be customized and its label can be changed.
3	PoE TCP/IP	Ethernet interface for TCP/IP control with PoE function.
4	RS232	Serial interface for RS232 control.
5	+12V	Connection for an external 12VDC power adapter.
6	RESET	Restores the factory default settings.
7	FIRMWARE	Micro-USB port for firmware updating.

PROGRAMMABLE CONTROL FUNCTIONS

The control software allows the six keys to be assigned to frequently used AV-system commands. Functions documented in the manual include:

- Input selection: 1-HDMI, 2-HDMI, 3-HDMI, 4-DP and 5-VGA.
- Auto switching and cyclic/toggle switching.
- HDMI CEC on/off and CEC play/pause.
- Main-unit standby and wake-up.
- Source and display power on/off.
- Source volume up/down and source mute.
- MIC mute/unmute and MIC volume up/down.
- VGA audio mute/unmute and DP embedded/external audio selection.
- Front-panel lock/unlock.
- HDCP output on/off.
- HDMI output on/off.
- HDBaseT output on/off and HDMI + HDBaseT synchronous control.

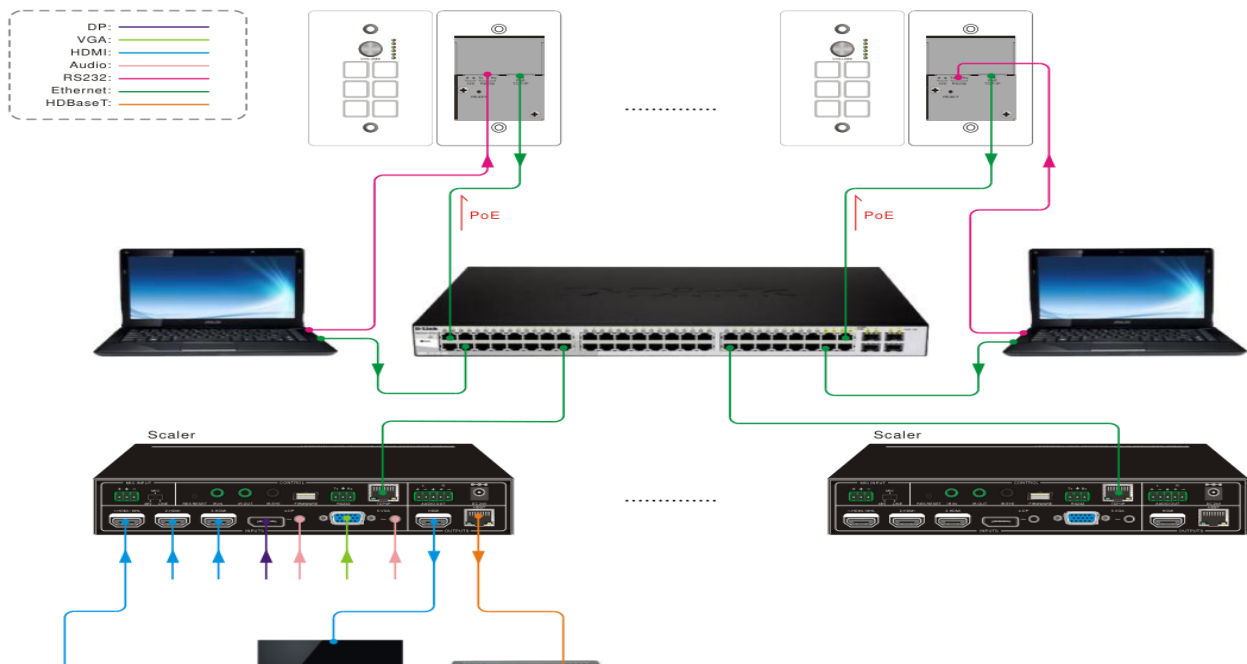
SYSTEM CONNECTION

The system diagram on page 3 of the manual illustrates MP-WP-6K keypads connected by PoE to a network switch, with the control network connected to a compatible scaler/switcher. The controlled AV system can include a 4K Blu-ray source, HDTV, receiver and projector.

safe.

- All devices should be connected before power on.

The demo system diagram as below:



INSTALLATION / CONNECTION

- Connect one or more MP-WP-6K units to the LAN ports of a PoE-capable network switch, or connect the control device/PC to the Ethernet network.
- Connect the supported device, such as the MP-SC-5TDS Compact Scaler Switcher, to the network switch.
- Connect the required source and display equipment to the controlled scaler/switcher according to its user manual.
- For RS232 configuration, connect the control PC directly to the MP-WP-6K RS232 port.

CONTROL SOFTWARE & RS232

The supplied Control Software provides a graphical method to discover connected MP-WP-6K units, rename them and configure each of the six keys. Before configuration, the PC, MP-WP-6K and controlled device must be on the same network segment while using different IP addresses.

RS232 configuration uses the following communication settings:

Parameter	Setting
Connection Type	Serial
Baud Rate	57600
Data Bits	8
Stop Bits	1
Parity	None

PACKAGE CONTENTS

Item	Quantity
MP-WP-6K	1
Mounting Screw	2
Button Caps	6
Button Label (Film)	1
3-pin Phoenix Connector	1
Power Adapter	1 × 12VDC 1A
User Manual	1

PRODUCT INFORMATION

Manual Version: MP-WP-6K_2017V1.0. The manual states that the functions described in this version were updated through August 30, 2017.

Warranty: Limited warranty period of three (3) years, subject to the warranty terms stated in the manual.

Source: supplied MP-WP-6K User Manual. Product image and system connection diagram are reproduced from the supplied manual.