

MP-SC-61E

HDMI 2.0 6x1 Presentation Switcher with Audio Extraction



PRODUCT OVERVIEW

The MP-SC-61E is a 6-input presentation switcher with three HDMI inputs, one USB-C input, one DisplayPort input and one VGA input, with a single HDMI output. It supports video up to 4Kx2K@60Hz 4:4:4 8bit and provides simultaneous optical digital and balanced analog audio de-embedding.

KEY FEATURES

- HDMI 2.0; up to 4K@60Hz 4:4:4 8bit, 1080P and 3D.
- 18Gbps high bandwidth with HDR 10 support.
- HDCP 2.3 compliant.
- Automatic and manual source switching.
- CEC control for display power and volume.
- RS232, IR and TCP/IP control.
- Optical and balanced analog audio de-embedding.
- Smart EDID management with built-in and user-defined settings.
- Front-panel VGA resolution selection.

TECHNICAL SPECIFICATIONS

VIDEO	Video Input	(2) HDMI/MHL, (1) HDMI, (1) USB-C, (1) DP, (1) VGA
	Video Input Connector	(3) Type-A female HDMI, (1) Type-C USB 3.0, (1) DisplayPort, (1) 15-pin female VGA
	HDMI Input Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit
	MHL Input Resolution	Up to 1080P@60Hz
	USB-C Input Resolution	Up to 4Kx2K@30Hz
	DP Input Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit
	VGA Input Resolution	Up to 1920x1200@50/60Hz
	Video Output	(1) HDMI
	HDMI Output Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit
	HDMI / HDCP / MHL / DP	2.0 / 2.3 / 2.2 / 1.2
	HDR 10 / CEC / HPD	Supported
AUDIO	Audio Output	(1) OPTICAL, (1) Stereo balanced L/R
	Audio Output Connector	(1) Toslink connector, (1) 5-pin terminal block
	HDMI Audio Format	LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, DTS-HD® Master Audio™ pass-through
	DP Audio Format	8 channels LPCM, up to 24bit 192kHz, AC3, DTS
	Stereo analog L/R	PCM
	Toslink Digital Audio	PCM, Dolby Digital, DTS, DTS-HD
	Max Output Level	2.0Vrms ± 0.5dB
	THD+N	<0.05% (-80dB), 20Hz–20kHz bandwidth, 1kHz sine at 0dBFS
	SNR	>80dB, 20Hz–20kHz bandwidth
	Crosstalk Isolation	>70dB
	L-R Level Deviation	<0.3dB @ 1kHz
	Frequency Response Deviation	<±0.5dB, 20Hz–20kHz
	Output Load Capability	1KΩ and higher; supports 10x paralleled 10KΩ loads
	Stereo Channel Separation	>70dB @ 1kHz

CONTROL & GENERAL SPECIFICATIONS

CONTROL	Control	(1) FW, (1) EDID, (1) IR IN, (1) RS232, (1) TCP/IP
	Control Connector	(1) Micro-USB, (1) 4-pin DIP switch, (1) 3.5mm mini jack, (1) 3-pin terminal block, (1) RJ45
GENERAL	HDMI 2.0 Cable Length	4K@60Hz 4:4:4 ≤ 5m; 4K@60Hz 4:2:0 ≤ 10m; 1080P ≤ 15m
	Bandwidth	18Gbps
	Operation Temperature	-10°C to +55°C
	Storage Temperature	-25°C to +70°C
	Relative Humidity	10%–90%
	External Power Supply	Input: AC 100–240V, 50/60Hz; Output: 12V DC 2A
	Power Consumption	10W (Max)
	Dimension (W×H×D)	342.5mm × 26mm × 115mm
	Net Weight	620g

INTERFACE & CONTROL HIGHLIGHTS

- Front panel: source selection 1–6, AUTO switching, display ON/OFF, mute and volume control.
- Rear panel: HDMI inputs, USB-C, DisplayPort, VGA, HDMI OUT, optical audio, balanced L/R audio, EDID DIP switch, IR IN, RS232, TCP/IP and DC 12V.
- VGA resolution selection via front panel; GUI provides additional selectable VGA resolutions.
- 4-pin DIP switch supports EDID pass-through, fixed presets and user-defined EDID.
- TCP/IP GUI provides switching, display, audio, EDID, RS232, access and network settings.
- RS232 default communication: 9600 baud, 8 data bits, 1 stop bit, no parity.

PACKAGE CONTENTS

- 1× MP-SC-61E HDMI 2.0 6x1 Presentation Switcher
- 2× Mounting Ears with 4 Screws
- 4× Plastic Cushions
- 1× IR Receiver
- 1× IR Remote
- 1× 3-pin Terminal Block
- 1× 5-pin Terminal Block
- 1× RS232 Cable (3-pin terminal block to DB9)
- 1× Power Adapter (12V DC, 2A)
- 1× User Manual

Source: supplied MP-SC-61E User Manual, Version MP-SC-61E_2019V1.6. Specifications are based only on the provided manual.