

# Magenta Ultra Slim Distribution Amplifiers

MG-DA-61x SERIES

HDMI 2.0 distribution with downscaling



## OVERVIEW

The Magenta Research MG-DA-61x series of ultra-slim HDMI 2.0 Splitters and Distribution Amplifiers provide a high-performance solution for distributing HDMI signals with video output up to 4K2K@60Hz (YUV444) resolutions and HDR (High Dynamic Range Imaging) support, which gives the most life like video experience with down scaling available to 1080p. Support is also offered for up to 32 audio channels with sampling rates up to 192kHz and passthrough of 7.1 channels of digital audio including high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio and Dolby Atmos.

## KEY FEATURES

- ◆ Supports HDMI 2.0 and up to 4K@60Hz 4:4:4.
- ◆ HDCP 2.2
- ◆ HDR
- ◆ 3D pass through
- ◆ Down scaling to 1080p on each independent output
- ◆ 18Gbps high bandwidth
- ◆ Ultra Slim less than 18mm in height
- ◆ Advanced EDID management
- ◆ Supports CEC pass through

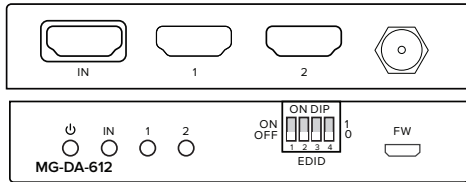
<b>MG-DA-612</b>	1x2 4K60 HDMI 2.0 Splitter with HDCP 2.2 and down scaling
<b>MG-DA-614</b>	1x4 4K60 HDMI 2.0 Distribution Amplifier with HDCP 2.2 and down scaling
<b>MG-DA-618</b>	1x8 4K60 HDMI 2.0 Distribution Amplifier with HDCP 2.2 and down scaling
<b>PS-05-10-LK</b>	Replacement PSU for MG-DA-612 and MG-DA-614
<b>PS-12-10-LK</b>	Replacement PSU for MG-DA-618

# SPECIFICATIONS

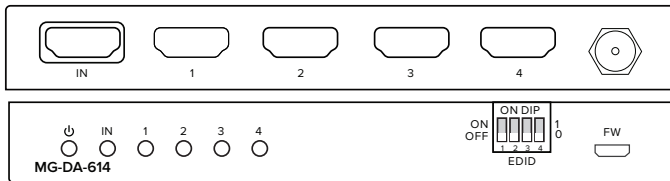
	MG-DA-612	MG-DA-614	MG-DA-618
<b>Video Input</b>			
Input	(1) HDMI		
Input Connector	(1) Type-A female HDMI		
HDMI Input Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit		
HDMI Standard	2.0a		
HDCP Version	2.2, 1.4 compliant		
CEC	Supported		
<b>Video Output</b>			
Output	(2) HDMI	(4) HDMI	(8) HDMI
Output Connector	Type-A female HDMI		
HDMI Output Resolution	Up to 4Kx2K@60Hz 4:4:4 8bit		
HDMI	2.0		
HDCP	2.2, 1.4 compliant		
CEC	Supported		
<b>Control</b>			
Control Part	(1) EDID 4-pin DIP switch, (1) Micro-USB port		

	MG-DA-612	MG-DA-614	MG-DA-618
<b>General</b>			
Bandwidth	18Gbps		
Input Connector	4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 15m, 1080P ≤ 20m		
Operation Temperature	-10°C — +55°C		
Storage Temperature	-25°C — +70°C		
Relative Humidity	10%-90%		
Power Supply	Input:100V~240V AC, Output: 5V DC 1A	Input:100V~240V AC, Output: 12v DC 1A	
Power Consumption	1.5W (Max)	2.5W (Max)	7W (Max)
Replacement Power Supply	PS-05-10-LK		PS-12-10-LK
Dimension (W*H*D)	96.0mm x 17.6mm x 70.4mm	142.0mm x 17.6mm x 70.4mm	260mm x 20mm x 70mm
Net Weight	185g	260g	500g
Regulatory Compliance	FCC,CE,RoHS		
5 Year Warranty	Included		

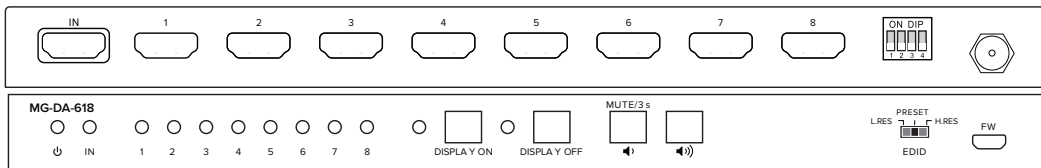
**MG-DA-612**



**MG-DA-614**



**MG-DA-618**



**Application example**

