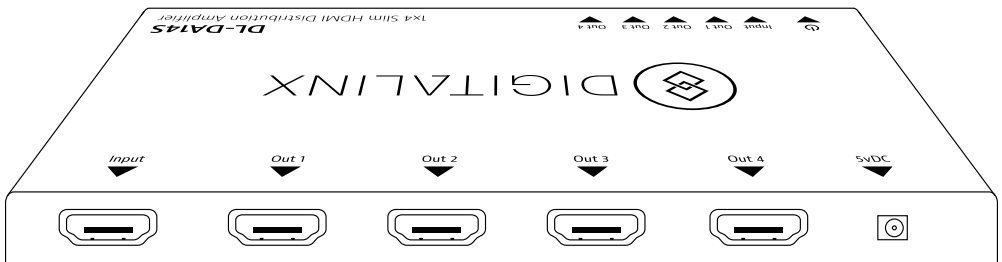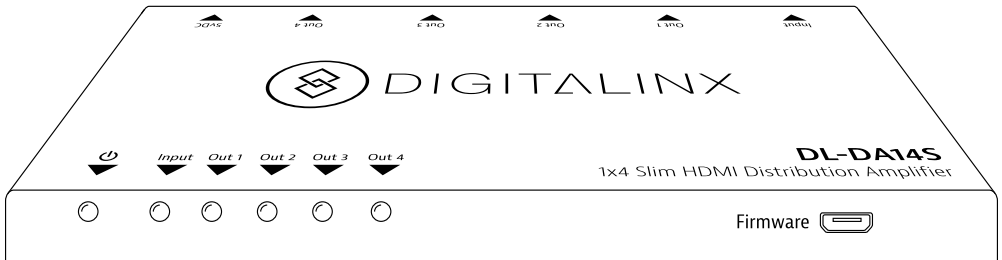# DIGITALINX

DL-DA14S Installation Guide

Included Accessories:

- Installation guide
- Power supply
- AC adapters (AU, EU, UK, and US)
- Rubber feet
- Mounting "L" brackets (2 ea)
- Mounting screws (4 ea)

The Digitalinx DL-DA14S is a one input to four output HDMI distribution amplifier (DA). The DL-DA14S supports 3D and 4K video resolutions as well as multichannel audio formats.

The EDID setting for the DL-DA14S is defined by the first detected display. The DL-DA14S features diagnostic LEDs on the front of the product indicating the state of the connections into and out of the unit.

Diagnostic LEDs:

The DL-DA14S provides six LEDs to indicate the current operating status and to assist troubleshooting an installation.

Power: Solid, the DL-DA14S is receiving power from the power supply.
Input: Flashes once per second, the input signal is not encrypted. Solid, the input signal is encrypted. Not lit, no input signal is detected.
Out 1, Out 2, Out 3, Out 4: Solid, video is passed to an active display.

EDID Management:

The EDID setting for the DL-DA14S is defined by the first detected display.

For example, the display on Out 1 supports 4K video. When the source plays 4K content, it will pass to all displays. If a display does not support the video content, there will be no video output on the display.

Firmware Port:

A separate document will provide usage instructions once a new firmware update is available.

Important notice:
· Do not attempt to disassemble or alter the extender housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
· To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.
· Do not connect the extender to a telecommunication outlet wired to unrelated equipment. Doing so may damage the unit or any connected equipment. Ensure all connected twisted pair cabling is straight-through (point-to-point).
· Allow proper ventilation to reduce the risk of thermal failure.

Instructions

1. Verify all components included with the extender set are present before installation.

2. If the DL-DA14S is to be mounted under furniture or vertically, attach the included mounting brackets to the device and secure it to the surface with appropriate mounting hardware.

3. If the DL-DA14S is to be resting on a finished surface, attach the included rubber feet to the bottom of the device to prevent any damage to the surface.

4. Connect the source device to the HDMI input using an HDMI cable that is less than or equal to 5 meters in length. If the source device that is further away, it is highly recommended to install a Digitalinx DL-HD70 or DL-HDE100 or active HDMI cable solution.

5. Connect the display devices to HDMI outputs using HDMI cables that are less than or equal to 5 meters in length. For display devices that are further away, it is highly recommended to install a Digitalinx DL-HD70 or DL-HDE100 or active HDMI cable solution.

6. Plug the power supply into the power input port on the rear of the distribution amplifier.

7. The input LED will light when a source is detected on the input. The output LEDs will light when a display is detected to the corresponding output.

Troubleshooting Tips:

Abnormal color or no video
· Verify cables are securely connected to source, displays, and DL-DA14S.
· Verify the display(s) can accept the provided video resolution and color space.

Output LED is off when active display is connected
· Verify active display is HDCP compliant.
· Verify proper input is selected on active display.
· Disable HDCP encrypted source content, then power cycle DL-DA14S

Input LED is flashing
· Input video stream is not passing HDCP encrypted content
· Input video stream was not passing HDCP encrypted content when DL-DA14S was powered on.

Technical Specifications

I/O Connections	
HDMI Input	One (1) HDMI Type A Receptacle
HDMI Outputs	Four (4) HDMI Type A Receptacle (1 per output)
5v DC Power	One (1) 2.35 mm Outside Diameter, 0.7 mm Inside Diameter Barrel (EIAJ-1)
Firmware Port	One (1) Mini USB Type B Receptacle
Supported Audio and Video	
Maximum Data Rate	10.2 Gbps
HDTV Video Resolutions	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 1080p 3D, 4Kx2K (24, 25, and 30 Hz)
VESA Video Resolutions	Up to 1920x1200
Embedded Audio Compatibility	Up to PCM 5 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Maximum Passive HDMI Distance	5m (16 ft)
Compliance	HDMI 1.4, HDCP 1.1, DVI 1.0
Chassis and Environmental	
Enclosure	Painted Aluminum
Dimensions (H x W x D)	11 mm x 152.4 mm x 70.4 mm (0.43 in x 6.00 in x 2.77 in)
Shipping Weight	0.83 kg (1.87 lbs)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing
Power, ESD, and Regulatory	
Maximum Power Consumption	5 watts
Power Supply Input Voltage	100-240v AC at 50/60 Hz at 0.5 A
Power Supply Output Rating	5v DC at 1 A
ESD Protection	15kV
Device Regulatory	CE, RoHS
Power Supply Regulatory	CE, RoHS, TUV, UL, SGS
Other	
Warranty	2 years
Diagnostic Indicators	Power LED, Input LED, Four (4) Output Status LEDs
Included Accessories	Installation guide, power supply, AC adapters (AU, EU, UK, and US), rubber feet, mounting "L" brackets (2 ea), mounting screws (4 ea)

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.

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