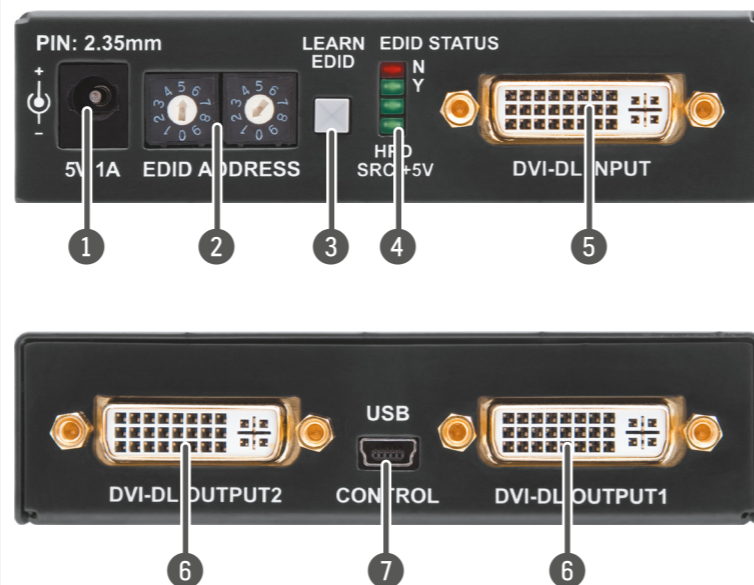




Quick Start Guide

DA2DVI-DL

Front and Rear Views



Front and Rear Views - Legend

- DC input** Connect the output of the supplied 5V power adaptor or use Lightware's rack mountable power supply unit.
- Rotary switches** The rotary switches select one of the EDID memory addresses.
- Learn button** Stores the EDID of the display device attached to DVI-DL OUTPUT 1 in the selected memory address between #51..#79.
- Status LEDs** Display EDID information during operation and the installed firmware version during system boot up.
- DVI-DL input** Connect one single or Dual-Link DVI cable (only digital pins are connected internally) between the DVI source and DA2DVI-DL.
- DVI-DL outputs** Connect single or dual-link DVI cables (only digital pins are connected internally) between DA2DVI-DL and the display devices. The output connectors are able to supply 500 mA current on pin 14 to power fiber optical DVI extenders like Lightware's DVI-OPT-TX110.
- USB control** Advanced EDID management and firmware upgrade are available via the USB interface.

Status LEDs

EDID STATUS N

- BLINKING: EDID learning is failed.
- ON: selected EDID is invalid.

EDID STATUS Y

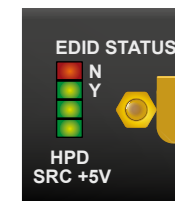
- BLINKING: EDID learning is successful.
- ON: selected EDID is valid.

HPD LED

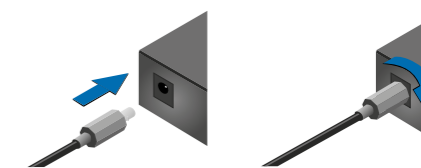
- ON: hotplug signal is detected on output 1, sink device is connected.

SRC +5V LED

- ON: +5V is present on the input, source is connected.



Locking DC Plug



Twist 90° clockwise to lock.

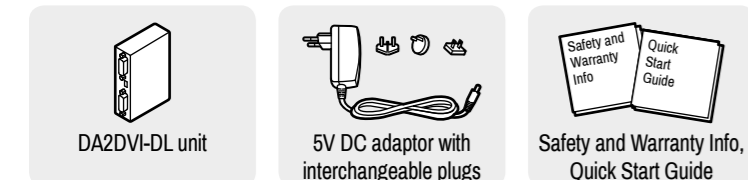
Important Safety Instructions

Please read the supplied safety instruction document before using the product and keep it available for future reference.

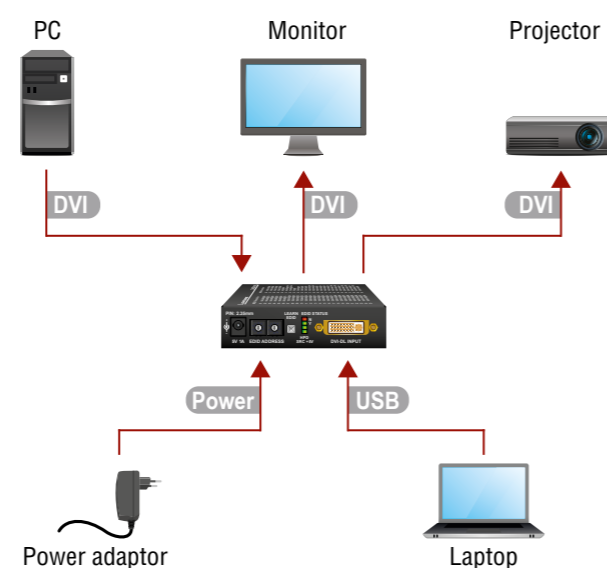
Introduction

The DA2DVI-DL is a Dual-Link DVI distribution amplifier with two outputs. It includes EDID management function, which is configurable on the front panel, or via USB by Lightware Device Controller software.

Box Contents



Connecting Steps



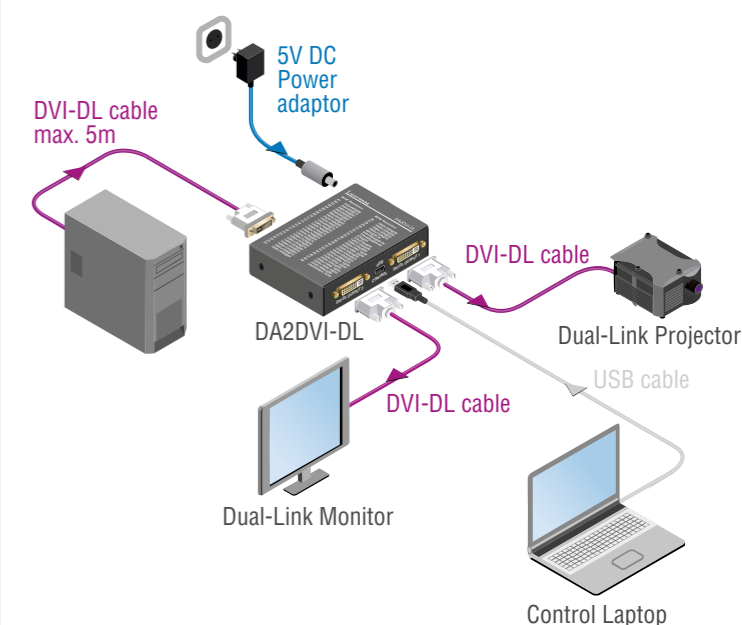
! If none of the LEDs light up upon power-up, the unit is most likely damaged and further use is not advised. Please contact support@lightware.com.

- DVI** Connect the **source** device (e.g. a PC) to the distribution amplifier's **input** port by a Dual-Link DVI cable.
- DVI** Connect the **sink** device(s) to the distribution amplifier's **output** port(s) by a Dual-Link DVI cable.
- USB** Optionally connect the amplifier to a controller device (e.g. a laptop) by a USB cable.
- Power** Connect the power adaptor to the DC input on the device first, then to the AC power socket.

Startup Process

- After being powered on, the device displays its firmware version using the EDID STATUS LEDs. The following example shows this process for a firmware version of 1.2.1: Red blinks once → Short pause → Green blinks twice → Short pause → Red and Green blinks once.
- After indicating the firmware version, the red or green EDID STATUS LED lights up depending on the selected EDID's validity:
 - Red** - 'N': the selected EDID is invalid.
 - Green** - 'Y': the selected EDID is valid
- If a display device is connected to DVI-DL OUTPUT 1, the DA2DVI-DL reads the EDID from the attached monitor's EDID memory.
 - If the read process is successful, the STATUS LED blinks green four times.
 - If the read process is unsuccessful, the STATUS LED blinks red four times.
- The normal function of the LEDs is in effect.

Typical Application



EDID Memory

- Address #00: the EDID of the last attached monitor.
- Address #01..#50: factory preset EDIDs. #49: Lightware's Universal EDID.
- Address #51..#79: user programmable EDID memory.



! The #30..#45 memories and #49 contain EDIDs supporting various embedded audio formats, for HDMI audio.

Selecting an EDID

- Turn the EDID address rotary switches to the desired memory address. Use a flat head screwdriver to change the address: the left switch sets the tens value, the right switch gives the ones value of the EDID.
- The EDID Status LEDs provide feedback:
 - Red**: an empty memory or invalid EDID was selected.
 - Green**: valid EDID is present at input.
- Now the selected EDID is emulated at the DVI input.

EDID Learning

- Turn the Rotary switches to the desired memory address where you want to store the attached display's EDID (between user addresses #51..#79).
- Connect the desired display device to the DVI-DL output 1.
- Press and hold the Learn button for approximately 3 seconds.

- The EDID Status LEDs provide feedback:
 - Red**: the learn process failed from output 1.
 - Green**: the learn process was successful from output 1.

USB Connection

The emulated EDID can be customized by the Lightware Device Controller software. For further information please read the manual of Advanced EDID Editor Software.



Special Features

Device Reset

The factory default settings can be restored as follows:

- Set the rotary switches to **00** state.
- Press and keep pressed the Learn button for at least 2 seconds; the red LED blinks 6 times.
- The factory default settings are loaded.

Enable/disable Dual-Link

Dual-Link transmission mode can be enabled/disabled as follows:

- Set the rotary switches to **02** state.
- Press and keep pressed the **Learn** button for at least 2 seconds:
 - If the top **green** LED blinks 6 times: Dual-Link is enabled.
 - If the **red** LED blinks 6 times: Dual-Link is disabled.
- The factory default settings are loaded.

Further Information

The document is valid with the following firmware version: 1.2.1
The User's manual of this appliance is available at www.lightware.com.
See the [Downloads](#) section on the dedicated product page.

Contact us
sales@lightware.com
+36 1 255 3800

support@lightware.com
+36 1 255 3810

Lightware Visual Engineering LLC.
Peterdy 15, Budapest H-1071, Hungary

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19200120