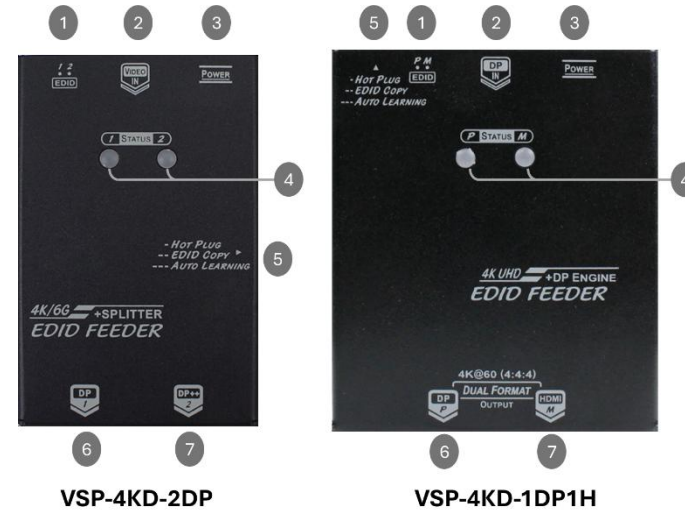


## Specification

Model	VSP-4KD-2DP	VSP-4KD-1DP1H
Input	DisplayPort x 1	DisplayPort x 1
Output	Main	DisplayPort x 1
	AUX.	DisplayPort (DP++) x 1
EDID/HDCP Engine	Active when Display Connected	Always Active
Max. Resolution	4K@60Hz (3840 x 2160, 4:4:4)	
LED Indicator (Status)	Multi-Color x 2	
HDCP Compliance	HDCP 1.4 / 2.2	
Power Supply	5V DC (Mini-USB)	
Operating Environment	0 ~ 40°C, Humidity < 80%	
Storage Temperature	-20 ~ 60°C	
Housing	Metal	
Dimensions H x W x D (mm)	21 x 51 x 80 mm	22 x 68 x 80 mm
	150	210

## Product Description



1	EDID Slide Switch	See EDID Slide Switch section
2	Video Input	Connect to DisplayPort video source
3	Power Supply	Apply proper power to the Unit
4	LED Indicator	<b>Power On:</b> Green <b>Non-HDCP Video:</b> Flash Blue <b>HDCP Video:</b> Flash Purple
5	EDID Function Button	1. Perform hot-plug action 2. Copy EDID from Main or AUX. Video Port 3. Auto Learning EDID from Main or AUX. Video Port 4. Recover to factory default setup
6	Main Video Output	Connect to Main Display, Extender, Switcher, etc.
7	AUX. Video Output	Connect to Main Display, Extender, Switcher, etc.

## Features

- 4K@60Hz UHD DisplayPort EDID Feeder Design with HDCP Engine Ensures Smooth and Optimal Display Performance
- Supports Up to Maximum 4K@60Hz Resolution and Over 100 Popular Resolutions
- Build In HDCP Engine
- EDID Ghost (DDC Ghost)
- Incorporate EDID and HDCP Handling Procedures for Continuous Video Output
- Allows Restoration of 2 Customized EDID Information or Copying EDID from the Connected Display
- Prevents the Computer from Deactivating DisplayPort Ports
- Economical, Durable, and Reliable
- Additional Splitter Function
- DP++ Allows DP Signal to be Easily and Economically Converted to DVI or HDMI Signal via Adapter (VSP-4KD-2DP)
- VSP-4KD-1DP1H Allows Continuous EDID Feeding to the Source Even when Displays are Disconnected

## Package Contents

- 1 x EDID Feeder
- 1 x USB Cable (for Power use)
- 1 x User Manual
- 1 x Foot Pad Set

- Use only good quality connection cables to avoid interference.
- Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.

# User Manual

## 4K@60Hz DisplayPort EDID Feeder With 2 Ports Splitter Function



VSP-4KD-2DP and VSP-4KD-1DP1H User Manual

## Ordering Information

Model	Max. Resolution	Output	EDID/HDCP Engine
VSP-4KD-2DP	4K@60Hz	DP x 2	Active Only when Either Display Connected
VSP-4KD-1DP1H	4K@60Hz	DP x 1 HDMI x 1	Always Active

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■ The final specification is based on the actual product.  
■ Features and functions may be added or changed after the manual was written. Please visit our website to download the latest version of manual for reference.

RXN-VSP-R02.1



## EDID Section

### EDID Copy

In some cases, display problems may occur due to incorrect EDID communication between the display monitor and the unit, or due to inappropriate EDID data programmed by display manufacturers. This function allows the system to copy EDID from EDID-compliant displays.

### EDID Slide Switch

**EDID 1:** This slot can "Only" Copy / Apply Main port Monitor's EDID or Restore previous stored EDID from EDID slot 1

**EDID 2:** This slot can "Only" Copy / Apply AUX. port Monitor's EDID or Restore previous stored EDID from EDID slot 2

### 1.1 Copy Monitor's EDID

This function allows users to copy EDID from EDID-compliant monitor.

**Step 1:** Set EDID Slide Switch to "1" to copy EDID of Main port monitor or "2" to copy EDID of AUX. port monitor.

**Step 2:** Power "ON" the Unit.

**Step 3:** Connect the monitor (EDID compliant) to the Unit and power on the monitor.

**Step 4:** Press the button "EDID Copy" around 3 – 5 seconds and release the button RIGHT AFTER the LED flashes **green slowly**.

**Step 5:** The LED emits **green and red** quickly and alternately, and **flashes blue twice** indicating EDID Copy successfully.

Note: LED flash purple means HDCP content detected.

### 1.2 Auto EDID Learning (Learn from Changing Monitor)

The DP Feeder can automatically learn EDID from EDID-compliant monitors. This function can also intelligently detect changes in monitors and automatically learn EDID from a newly connected monitor. Thus, the Unit will automatically configure the EDID to optimise performance. However, the EDID information will be lost after a hot plug or power off.

**Step 1:** Connect PC or Video Source to Video Input port and power on.

**Step 2:** Power "ON" the Unit.

**Step 3:** Connect EDID-compliant monitors to the Unit and power on the monitors.

**Step 4:** Press EDID function button about **6** seconds and release the button RIGHT AFTER the LED flashes **red slowly**.

**Step 5:** The LED flashes **blue twice quickly** indicating Auto Learning successfully.

**Step 6:** Set EDID Slide Switch to "1" (to learn EDID from Main port Monitor) or "2" (to learn EDID from AUX. port Monitor)

### 1.3 Hot Plug

If the Unit fails to display correctly, users are recommended to use the hot plug function by simply clicking the EDID function. After that, the Unit will automatically hot plug.

**Step 1:** Click EDID function button less than 1 second and release (Status LED turns Green).

**Step 2:** The LED will flash blue indicating hot plug is successful.

### 1.4 Factory Default Setting

To avoid confusion about which EDID information has been copied or for other purposes, this function allows you to clear all EDID stored in the memory slot and return the system to its factory default state (Video: 3840x2160 / Audio: 2ch LPCM).

### Clear All EDID Kept in Memory Slot

**Step 1:** Power "ON" the Unit.

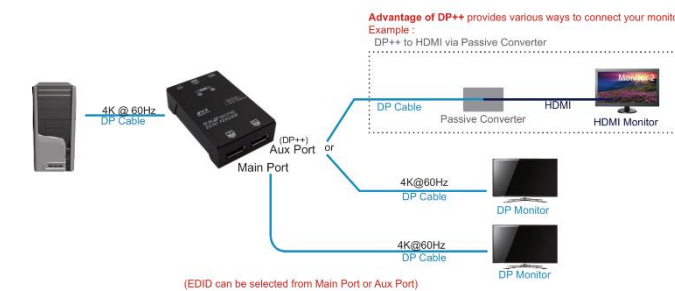
**Step 2:** Press the button "EDID Copy" about **12** seconds and release the button RIGHT AFTER the LED flashes **Cyan (Blue & Green)** slowly.

**Step 3:** The LED emits green indicating factory default set up successfully.

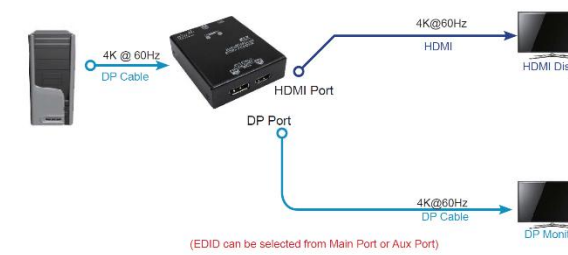
### 1.5 Restore Copied Monitor's EDID

When no monitor is connected to the Unit, set Slide Switch to "1" (to apply stored EDID 1) or "2" (to apply stored EDID 2). User can then connect the Unit to the Monitors.

## Connection Diagram



VSP-4KD-2DP



VSP-4KD-1DP1H



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