

## Specification

Model		VSP-FHD-2DP
Input	DisplayPort x 1	
Output	Main	DisplayPort (DP++) x 1
	Aux	DisplayPort x 1
Max. Resolution	3840 x 2160 @ 30Hz	
HDCP Compliance	HDCP 1.4	
Slide Switch	EDID Copy x 1 ( Main DP x 3 and Aux DP x 1 )	
Push Button	EDID Function x 1	
LED Indicator	Status x 1 (Multi-Colour)	
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)	24 x 98 x 64	
Weight (g)	200	



- 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.

## Product Description



1	<b>Video Input</b>	Connects to a DisplayPort video source.
2	<b>Main Video Output</b>	Connects to the main DP display, extender or switch.
3	<b>Aux Video Output</b>	Connects to an auxiliary DP display, extender or switch.
4	<b>Slide Switch</b>	<b>Modes 1, 2, 3:</b> Copy and restore EDID from the main DisplayPort port. <b>Mode 4:</b> Copy and restore EDID from the auxiliary DisplayPort port.
5	<b>LED Indicator</b>	Refer to the LED status described in each section.
6	<b>EDID Function Button</b>	Used to copy EDID or perform EDID learning from the main or auxiliary DisplayPort port, restore factory default EDID settings or trigger a hot-plug event.
7	<b>Power Supply</b>	Connect the appropriate power supply to the unit.

## Features

### Auto EDID Learn (EDID Ghost)

- Reads and stores (records) EDID from the connected display for use by the video extension system
- Supports four EDID inventory modes for EDID copying
- Provides visual indication of successful or failed EDID reading
- Prevents computers from deactivating or disabling DisplayPort outputs
- Incorporates EDID and HDCP handling to ensure continuous video output
- Built-in splitter function

## Package Contents

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

# User Manual

## 4K@30Hz DisplayPort EDID Feeder With 2 Ports Splitter Function



VSP-FHD-2DP



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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.

VSP-FHD-2DP-UM01.1



## 1 EDID Management

### 1.1 EDID Copy

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

**Copy Monitor EDID** - This function allows users to copy EDID from an EDID-compliant monitor.

**Step 1:** Set the slide switch to memory mode 1, 2, 3, or 4.

**Step 2:** Power ON the unit.

**Step 3:** Connect an EDID-compliant monitor to the Main or Auxiliary DisplayPort output and power on the monitor.

**Step 4:** Press and hold the EDID function button for **3–6 seconds**, then release it immediately after the LED **flashes green slowly**.

**Step 5:** The LED flashes **green and red alternately**, then **flashes blue twice** to indicate a successful copy.

**Note:** LED flash purple to indicate that HDCP-protected content is detected.

### 1.2 Auto EDID Learning (EDID Ghost, EDID - Not Stored)

If users do not wish to store EDID information in memory, it is recommended to use the Auto EDID Learning function. The unit will automatically learn the EDID from an EDID-compliant monitor and configure the output accordingly. The learned EDID will be cleared after a hot-plug event or power cycle.

**Step 1:** Connect an EDID-compliant monitor to the Main or Auxiliary DisplayPort output.

**Step 2:** Power ON the unit.

**Step 3:** Power on the connected monitor.

**Step 4:** Press and hold the EDID function button for approximately **6–12 seconds**, then release it immediately after the LED **flashes red slowly and green quickly**.

**Step 5:** The LED **flashes blue twice** quickly, indicating successful auto EDID learning.

### 1.3 Hot Plug

If users do not want to physically unplug and replug the DisplayPort cable from the unit, it is recommended to use the hot plug function to simulate a hot-plug event. This allows the unit to re-initialise the DisplayPort connection and restore normal video output without disconnecting the cable.

**Step 1:** Press and release the EDID function button for **less than 1 second**.

**Step 2:** The LED **flashes blue**, indicating that the hot-plug operation was successful.

## 2 Factory Default Setting

To avoid confusion regarding previously copied EDID information, this function clears all EDID data stored in all memory modes and restores the unit to the factory default settings (Video: 3840 × 2160, Audio: 2-channel LPCM).

### 2.1 Clear All EDID Stored in Memory Modes

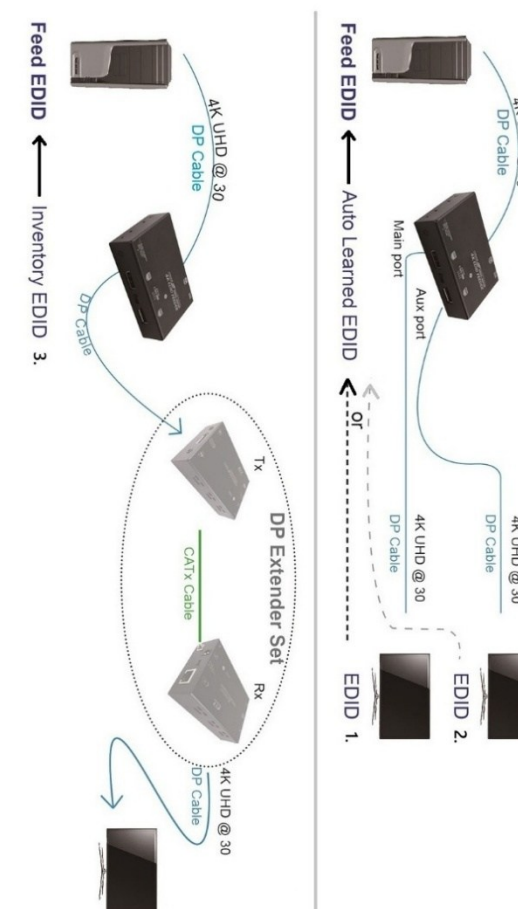
**Step 1:** Set the slide switch to any memory mode.

**Step 2:** Power ON the unit.

**Step 3:** Press and hold the EDID function button for **approximately 12 seconds**, then release it immediately after the LED **flashes red, blue, and green slowly**.

**Step 4:** The LED **flashes white slowly**, then **flashes blue twice**, indicating that the factory default settings have been successfully restored.

## Connection Diagram



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