Display Port Splitter (Hub), 2 Ports

14.99.3590

User Manual

DEAR CUSTOMER

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

1.0 INTRODUCTION

This is a two ports DisplayPort hub, designed for transmitting signals from one DisplayPort source device to two DisplayPort displays. This hub owns both SST and MST functions which allow you to enjoy one picture with dual monitors or independent pictures on each monitor respectively. Besides, the input port supports DP1.2 signal, and the dual output ports support DP++ signal.

2.0 FEATURES

☐ One DisplayPort 1.2 input, two DisplayPort 1.2 and DP++ outputs

☐ DisplayPort resolution up to 4kx2k@60HZ

☐ Main link rate up to 5.4 Gbps (HBR2) from the source

☐ 8-bit/10bit/12bit/16-bit color depth

☐ MST function

☐ Supports 3D

☐ HDCP 1.3 compliant

☐ EDID 1.4 compliant

3.0 SPECIFICATIONS

Signal Input/Output	
DP Connector	Standard type 20 pin female
Input Video	DP1.2
Output Video	DP1.2，DP++

Operating Frequency	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	5.4Gbps per lane
Resolutions (HDTV)	
DisplayPort Resolution	4kx2k
HDMI Resolution	4kx2k
Power Requirement	
External Power Supply	5V DC@2A

4.0 PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

   Main unit

   5V/2A Power supply

   User Manual

5.0 CONNECTION AND OPERATION

1) Connect the DisplayPort input port to the DisplayPort source device with one DisplayPort cable.
2) Connect the two DisplayPort output ports to two HD DisplayPort displays with two DisplayPort cables.
3) If the sink displays have HDMI port rather than DP port, this product still works with a DisplayPort to HDMI Adapter.

Note:

There are two factors that affect the operation of SST and MST function.

Firstly, the video card of the source must support this function.

Secondly, the sink displays should be equipped with appropriate maximum resolutions in accordance with the output signal. If the resolution of at least one display is higher than expected, then only one display will show an image. Here are two charts to illustrate the operation of the displays under multiple conditions:

Two Displays Work Simultaneously

Output Signal 1	Output Signal 2	Highest Resolution (Display 1)	Highest Resolution (Display 2)
DP 1.2	DP1.2	4Kx2K@30HZ	4Kx2K@30HZ
DP 1.2 to HDMI 2.0	DP 1.2 to HDMI 2.0	4Kx2K@30HZ	4Kx2K@30HZ
DP 1.2 to HDMI 1.4	DP 1.2 to HDMI 1.4	4Kx2K@60HZ (practical output is 4KX2K30HZ)	4Kx2K@60HZ (practical output is 4KX2K30HZ)
DP 1.2 to HDMI 1.4	DP 1.2 to HDMI 2.0	4Kx2K@30HZ	4Kx2K@30HZ
DP 1.2 to HDMI 2.0	DP 1.2 to HDMI 1.4	4Kx2K@30HZ	4Kx2K@30HZ

One Display Works Only

Output Signal 1	Output Signal 2	Highest Resolution (Display 1)	Highest Resolution (Display 2)
DP1.2	DP 1.2	4Kx2K@60HZ	4Kx2K@60HZ
		4Kx2K@60HZ	4Kx2K@30HZ
		4Kx2K@30HZ	4Kx2K@60HZ
DP 1.2 to HDMI 2.0	DP 1.2 to HDMI 2.0	4Kx2K@60HZ	4Kx2K@60HZ
		4Kx2K@60HZ	4Kx2K@30HZ
		4Kx2K@30HZ	4Kx2K@60HZ

6.0 CONNECTION DIAGRAM