



DisplayPort Repeater



User's Manual

DS-52900

Features:

- Extend DisplayPort signal up to 15M @ WQXGA (2560 x 1600) over cable
- Compatible with most of the popular screen resolution to XGA, SXGA, UXGA, WSXGA Full HD, WUXGA, WQXGA system
- EQ (sharpness) adjustment by push button for optimal signal clarity
- No software required ensuring Plug and Play operation
- No external power supply required as it is powered by the source device
- HDTV, 3D HDTV, HDCP compliant and Blu-ray ready

Package Contents:

- DisplayPort Repeater x 1
- USB Power Cable x 1
- USB Power Adaptor x 1
- User's Manual x 1

Specifications:

Input	DisplayPort x 1
Output	DisplayPort x 1
Video Resolution (Max.)	WQXGA (2560 x 1600)
Extension Distance (Max.)*	7M @ UHD (3840 x 2160 60Hz) 13M @ UHD (3840 x 2160 30Hz) 15M @ WQXGA (2560 x 1600) 20M @ Full HD (1920 x 1080)
LED Indicator	Status (Dual color) x 1
Push Button	EQ Adjust x 2
Data Rate (Max.)	21.6 Gbps
Power Supply	DC 5V (mini USB)
Dimensions H x W x D (mm)	12 x 80 x 50
Weight (g)	155

* Extension distance is 15 meter on the source side and 5 meter on the monitor side. (1080p)

* Extension distance is 10 meter on the source side and 5 meter on the monitor side. (WQXGA)

NOTE: Please use standard cable for the best performance results, using other thinner cables, and coiling of excess cable lengths should be avoided.

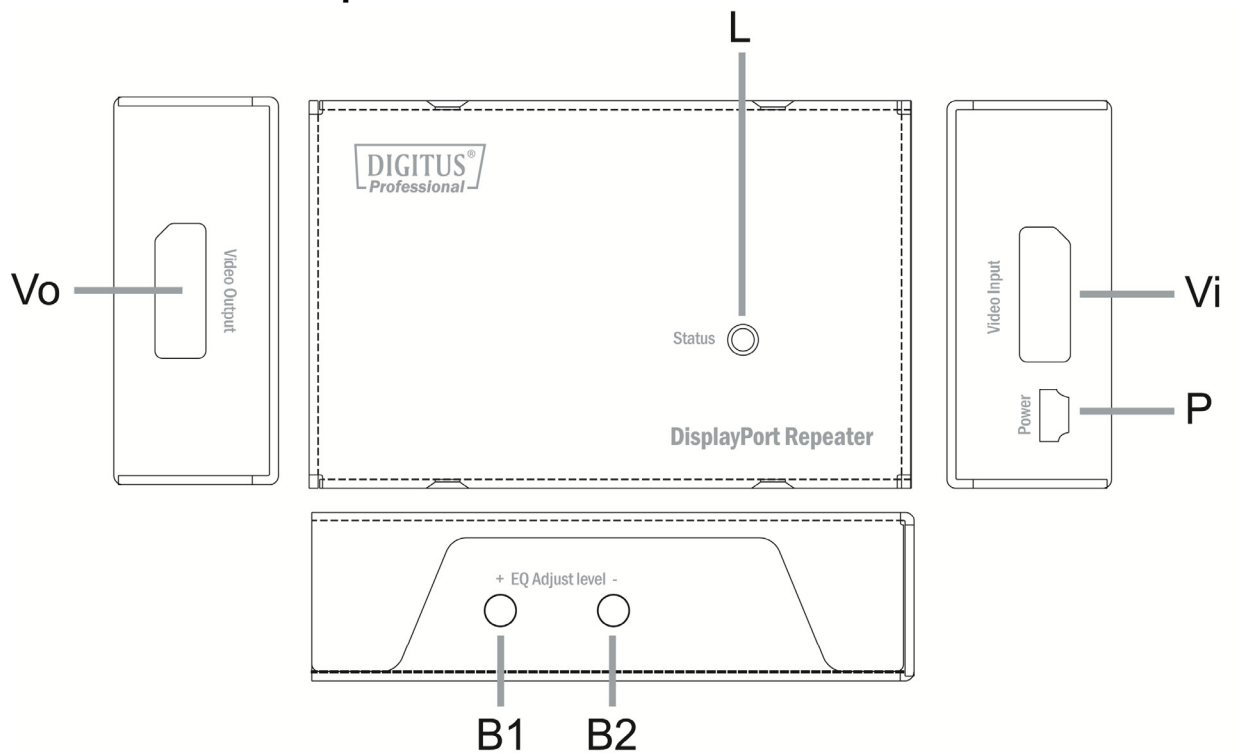
NOTE:

- Idle time-out is 15 seconds.
- The system will automatically retain user's last setting.
- Some monitor will be blank screen when users adjust EQ level, it only need to
- Directly replug the cable or quit EQ Adjustment Mode to do Hot Plugging.

1. Connection Pattern:



2. Product Description:



Vi	Video Input Port	Connect to DisplayPort source
Vo	Video Output Port	Connect to DisplayPort monitor
B1	Push Button	Adjust EQ level
B2		
P	Power Supply	Use USB cable to connect with power source
L	LED Indicator	Power ON: <u>Green</u> Power OFF: OFF

3. EQ Adjustment Mode:

This function allows adjustments in sharpness of the video image for better clarity. If necessary, adjust EQ level by two buttons to compensate cable length.

Step1. Press B1 (+) or B2 (-) once to Enter in EQ Adjustment Mode

Step2. Press B1 (+) or B2 (-) to adjust EQ level.

LED will emit GREEN and flash RED indicating the EQ level. (Please see LED Indicator section)

Step3. Press two buttons B1 (+) and B2 (-) simultaneously 3 sec. to quit EQ Adjustment Mode and return to original status.

LED Indicator (in EQ Adjustment Mode)

EQ Level	Flash Red (Times)		EQ Level	Flash Red (Times)	
	Long Red	Short Red		Long Red	Short Red
1	--	1	10	2	--
2	--	2	11	2	1
3	--	3	12	2	2
4	--	4	13	2	3
			14	2	4
5	1	--	15	3	--
6	1	1	16	3	1
7	1	2	17	3	2
8	1	3	18	3	3
9	1	4			

NOTE:

- 1. When power on, the LED will be Steady GREEN (original status).
- 2. When enter in EQ Adjustment Mode, the LED will show the last EQ level setting.

4. **Factory Default Setting:**

To avoid confusion in which EQ level has been set, this function enables to reset the state to factory default (level 1).

- Step1.** Power off the unit. Press two buttons B1 (+) and B2 (-) simultaneously.
- Step2.** Power on the unit. Hold the buttons for around 3 sec.
- Step3.** Release the buttons RIGHT AFTER the LED flashes RED and then it returns to Steady GREEN light, which indicates the setting is complete.

5. **Hot Plugging**

The purpose of Hot-plugging is like automatic re-plug cables without shutting down the attached computer. It allows easy accessibility to equipment and the convenience of uninterrupted systems.

- Step1.** Press two buttons B1 (+) and B2 (-) simultaneously
- Step2.** Release the buttons RIGHT AFTER the LED flashes GREEN and then, it returns to Steady GREEN light, which indicate the Hot Plugging is complete.
(not use in EQ Adjustment Mode)

Hereby ASSMANN Electronic GmbH, declares that this device is in compliance with the requirements of Directive 2014/30/EU (EMC), Directive 2014/35/EU (LVD) and the Directive 2011/65/EU for RoHS compliance. The complete declaration of conformity can be requested by post under the below mentioned manufacturer address.

Note:

If wrongly installed or improperly used in the living area, the device can cause interference in radios and other electronic devices. Appropriate use is when the device, as far as feasible, is operated with shielded connection cables (with network products in addition to category 5 shielded cables and higher). The device has been tested and falls within the limits of class A computing equipment according to the requirements of EN 55022.

Warning:

This device conforms with test category A - it can cause radio interference in the living area; in this case the operator may demand that appropriate measures are implemented and arise for this reason. Declaration of conformity: The device fulfills the EMV requirements according to EN 55022 for ITE and EN 55024 class A. Devices with external or integrated power supply furthermore fulfill the requirements of EN 61000-3-2 and EN 61000-3-3. In this way, the fundamental protection requirements of the EMV-2014/30/EU guideline are fulfilled.

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