DIGITUS®

Wireless HDMI Extender / Splitter Set (100 m, 1x4)

Quick Installation Guide

DS-55346

1. Introduction

Experience ultimate flexibility and performance for the transfer of your Full HD AV signals with our wireless transfer system, which offers a range of up to 100 meters in a 1:1 connection with unobstructed view. Our system supports both Point-to-Point and Multicast (Point-to-Multipoint) transfers, which allows you the freedom of transferring your AV signal to multiple displays at the same time or connecting a single source with various target devices. With a maximum resolution of 1080p / 60 Hz, our system guarantees sharp and smooth reproduction of your content. You can also expand your system easily for up to 4 receiver units (DS-55347), to achieve video splitter functionality and share your HDMI signal on up to 4 displays. The transmission module features an additional HDMI output (loop-out) which enables you to connect an external monitor, while integrated IR transmission allows for convenient control of your source device directly from the output display (receiver unit). Our Plug & Play system does not require any additional software or driver installation and is ready for immediate use.

2. Main Features

- Wireless transfer of Full HD AV signals over a distance of up to 100 m (1:1 connection, unobstructed view)
- Supports Point-to-Point and Multicast (Point-to-Multipoint) transfer
- Transfer of HDMI signals in Full HD with max. resolution of 1080p / 60 Hz
- Expandable for up to 4 receiver units (DS-55347) and offers video splitter functionality with additional receivers
- Distribute your HDMI signal on up to 4 displays
- Additional HDMI output (loop-out) on transmitter module for connection to an external monitor
- IR transmission to control the source device from output display
- Plug & Play - no software or driver required
- HDMI 1.4, HDCP 1.3

3. Package Content

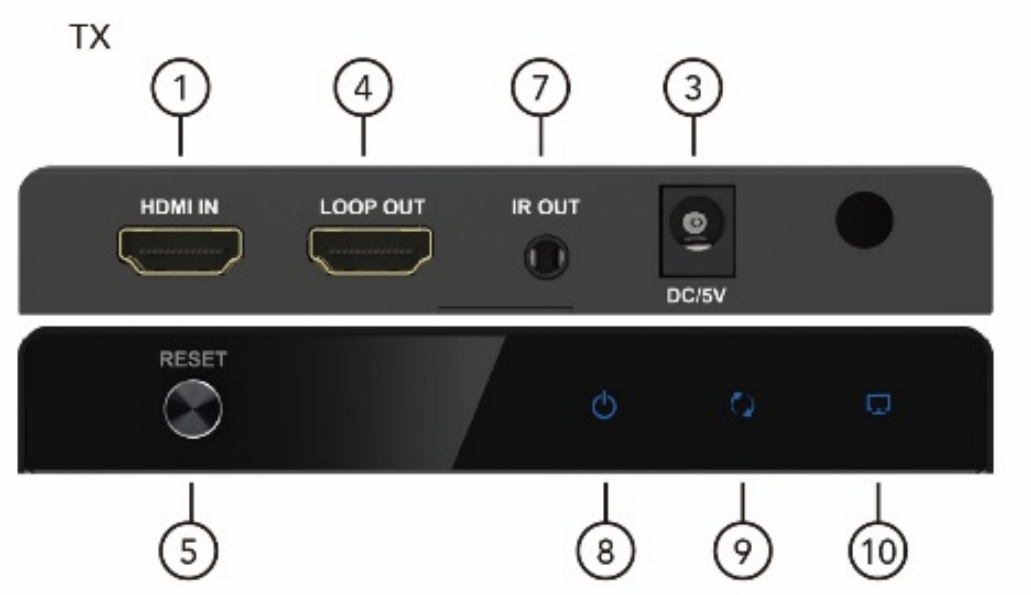
- 1x Transmitter unit
- 1x Receiver unit
- 2x Antenna
- 2x Power adapter, cable length: 1.2 m
- 2 x IR connection cable, 1.2 m
- 1x User manual

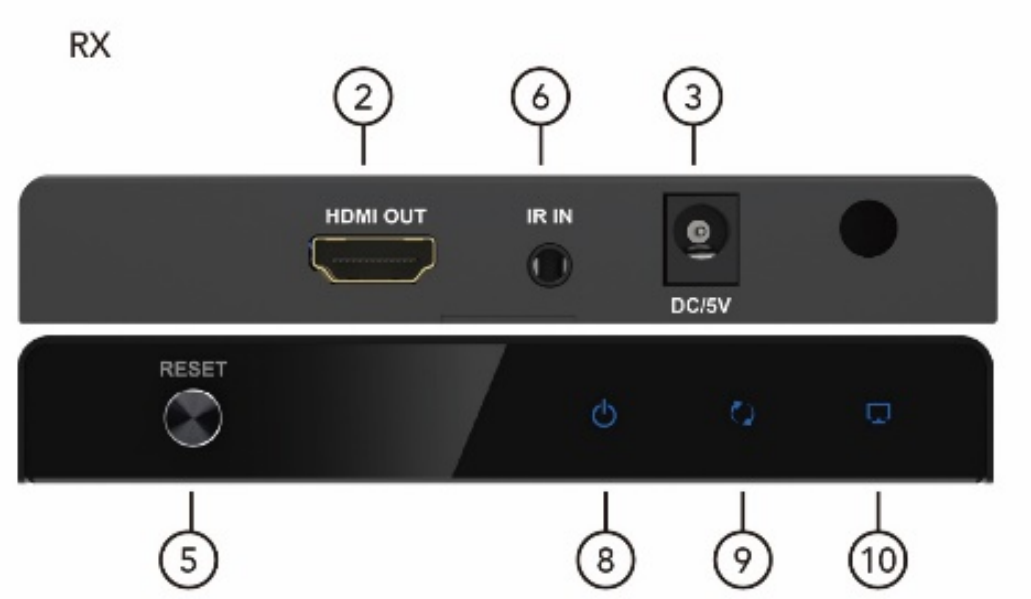
4. Technical Features

Input Port	HDMI x 1
Output Port	HDMI x 1, LOOP OUT x 1
Wireless Extendsion Distance	1 to 1 connection:up to 100m 1 to 2 connection:up to 75m 1 to 3 connection:up to 40m 1 to 4 connection:up to 25m
Signal Compressing Latency	150-200ms
Wireless Extensions Distance	100m (330 feet) for 1080p
Frequency Band Range	5GHz
Wireless Standard	802.11a
Vertical Frequency Range	50/60Hz
Compress Formats	H.265
IR Frequency Range	20-60KHz
Progressive Resolutions(50&60Hz)	480p,576p,720p,1080p
Operating Temperature	0℃ to 50℃
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 5V

Power Consumption (Max)	TX: 3W, RX: 1.5W
Dimension(LxWxH)	115x60x18mm
Net Weight	TX:172g, RX:170g
Material	Metal

5. Panel Description



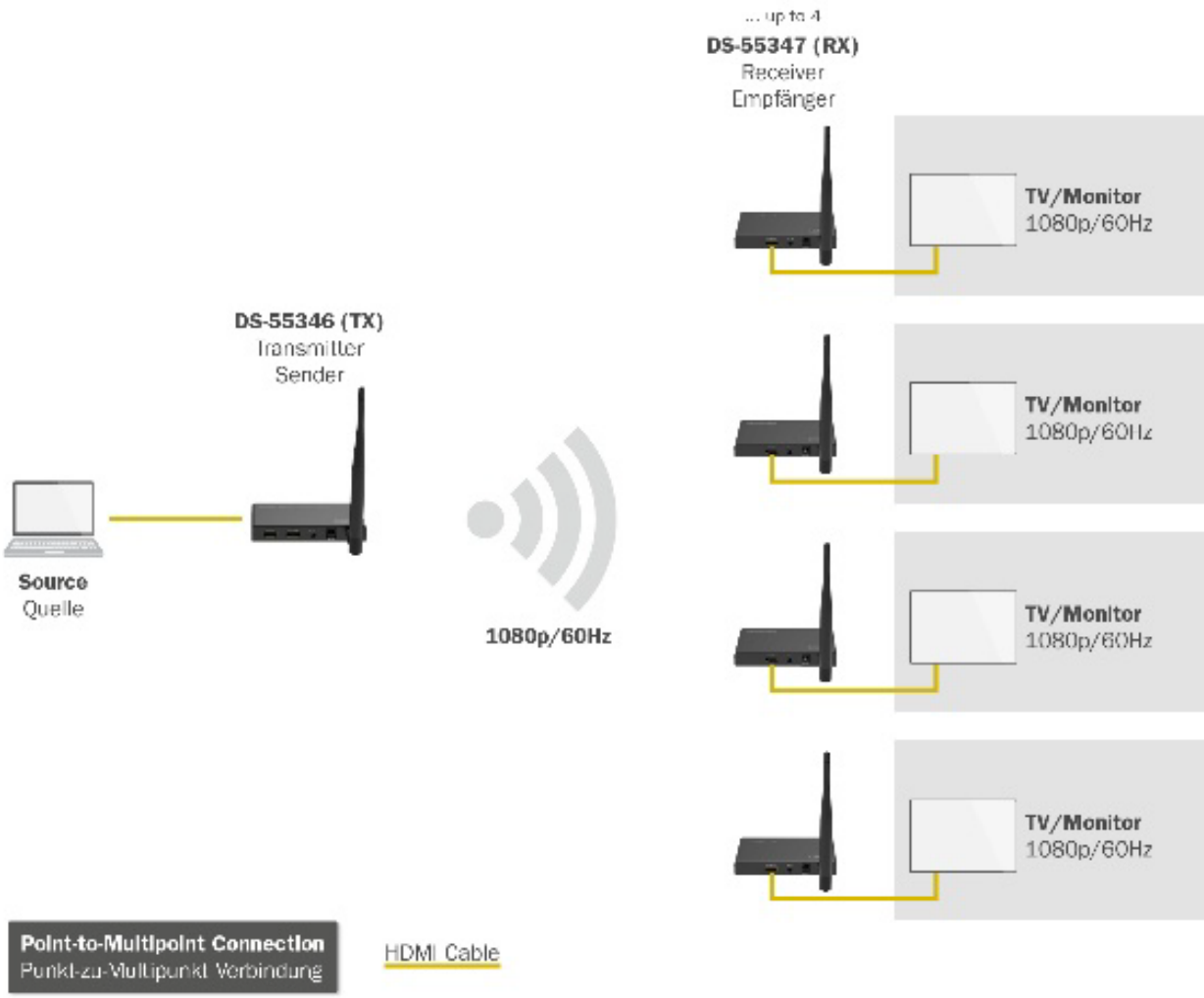


1.)	**INPUT:** HDMI Input
2.)	**OUTPUT:** HDMI Output
3.)	**DC/5V:** DC 5V Input
4.)	**Loop out:** HDMI Loop Out Port for Local View
5.)	**Reset:** Long Press 10 Seconds to Reset, Short Click to Match the Sender and Receiver
6.)	**IR IN:** IR Signal Input Port
7.)	**IR OUT:** IR Signal Output Port
8.)	**Power LED**
9.)	**Link** **No Connection:** Keep Lighting on **Get Connection:** Flash Quickly
10.)	**Status** **No Video Signal:** Flash Slowly **Get Video Signal:** Flash Quickly

6. Supported formats

- Simple Plug and Play, no software installation required
- Support 5GHz single frequency wireless A/V transmission
- Wireless extension of HDMI up to 100 meters (330 feet) with no obstruction
- Compliant with HDCP1.3
- Support highest video resolution 1080p
- Support Point-to-Point and Multicast transmission (up to 4 receivers)
- Support infrared remote to control source device from the display side
- Support uncompressed audio such as LPCM
- Support audio sampling rate up to 48 KHz

7. Connection Diagram



8. How to set up 1 to 4 connections:

The factory setting of Sender and Receiver have matched the signal already, you can connect the input and output devices with this item directly. If the customer wants to connect 2, 3 or 4 receivers, please see below:

Step 1: Install antennas for Sender & Receiver.

Step 2: By pressing "RESET" button first, the Sender will be connected with power until the Status Led flashes frequently. Then it will take approximately 7s from power on to enter matching mode. The 1.2.3 or 4 Receivers follow the same steps as the Sender.

Step 3: When the Status Led of the Receiver (1,2,3,4) flashes frequently, it means it entered the matching mode.

Step 4: Open HDMI male to male cable (Not Included) to match the signal.

Step 5: Connect “HDMI IN” of the Sender and “HDMI OUT” of the Receiver (1,2,3,4) with HDMI cable.

Step 6: When the Status Led of the Receiver (1,2,3,4) is permanently on, it means the signal matching is successfully.

Step 7: Make sure the Sender and Receiver (1,2,3,4) are not powered.

Step 8: Connect power of the Sender and Receiver (1,2,3,4), then connect HDMI cable to the “INPUT” of the Sender to HDMI sourcing device and the “OUTPUT” of Sender (1,2,3,4) to the display or TV.

Step 9: The display or TV will show “Searching TX” about 5s to 35s.

Step 10: Matching successfully.

9. Troubleshooting

Problems	Causes	Solutions
No picture after correct connection at one room	Maybe the sender and receiver have not yet matched the connection	Follow the matching steps to match the signal of the Sender and Receiver
No picture after correct connection at different room	The distance can`t reach 100m due to the signal loss via passing through solid walls	When passing through a solid wall (thickness less than 30 cm), the signal loses 30% of the original signal and the distance is shorter than 70 m. When crossing two or more solid walls, the distance is shorter than 20 metres. Please select a shorter distance when crossing a solid wall.

The picture is not stable or the distance is shorter than the description	There may be some sources of interference in the same frequency band at 5GHz that affect the signal transmission of the extender.	Please move the device closer to the location where sources of interference with the same frequency band are located or remove the sources of interference.

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