Digitus DS-55318

DIGITUS DS-55318 Wireless HDMI Extender Set User Manual

Model: DS-55318

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the DIGITUS DS-55318 Wireless HDMI Extender Set. This device allows for wireless transmission of HDMI video and audio signals up to 50 meters with an unobstructed view, supporting Full HD (1080p / 60 Hz) resolution.

Image 1.1: The DIGITUS DS-55318 Wireless HDMI Extender Set, showing both the transmitter and receiver units.

2. SAFETY INFORMATION

Please read and follow these safety instructions carefully before using the device:

- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Do not disassemble or attempt to repair the device. Refer all servicing to qualified personnel.
- Ensure proper ventilation around the units during operation.
- Use only the provided power cables or compatible Micro-USB power sources (5V/0.5A).

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x Wireless HDMI Extender Transmitter (TX)
- 1x Wireless HDMI Extender Receiver (RX)
- 2x Micro USB power cables (approx. 80 cm each)
- 2x HDMI extension cables (approx. 15 cm each)
- 1x Quick Installation Guide (QIG)

Image 3.1: All components included in the DIGITUS DS-55318 Wireless HDMI Extender Set package.

4. PRODUCT OVERVIEW

The DIGITUS DS-55318 set consists of two main units: a Transmitter (TX) and a Receiver (RX). Both units feature an integrated HDMI plug for direct connection and a Micro-USB port for power.
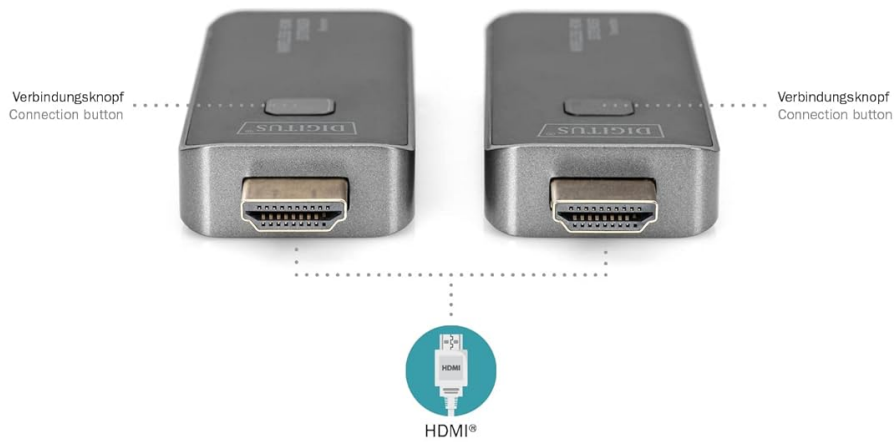
4.1. Unit Components

Image 4.1: Overview of the Transmitter and Receiver units, highlighting the HDMI connection and connection button.

- **HDMI Plug:** Connects directly to the source (TX) or display (RX) device.
- **Connection Button:** Used for pairing the transmitter and receiver.
- **Micro-USB Port:** For power supply (DC 5V/0.5A).

Image 4.2: Detailed view of the HDMI plugs on both units.

Image 4.3: Side view of the units, showing the Micro-USB power input.

5. SETUP INSTRUCTIONS

The DIGITUS DS-55318 is designed for simple plug-and-play operation. Follow these steps for a point-to-point connection:

5.1. Connecting the Transmitter (TX)

1. Connect the HDMI plug of the Transmitter (TX) unit to the HDMI output port of your source device (e.g., laptop, PC, media player). If space is limited, use the provided HDMI extension cable.
2. Connect one of the Micro-USB power cables to the Micro-USB port on the Transmitter. Connect the other end of the USB cable to a USB port on your source device or a USB power adapter (5V/0.5A, not included). The source device's HDMI connection must provide at least 500 mA for power.

Image 5.1: The Transmitter (TX) unit connected to a laptop.

5.2. Connecting the Receiver (RX)

1. Connect the HDMI plug of the Receiver (RX) unit to an available HDMI input port on your display device (e.g., TV, monitor, projector). If needed, use the provided HDMI extension cable.

2. Connect the second Micro-USB power cable to the Micro-USB port on the Receiver. Connect the other end of the USB cable to a USB port on your display device or a USB power adapter (5V/0.5A, not included). The display device's HDMI connection must provide at least 500 mA for power.

5.3. Establishing Connection (Pairing)

The transmitter and receiver units are typically pre-paired from the factory. If they do not connect automatically, follow these steps:

1. Ensure both the Transmitter and Receiver units are powered on and connected to their respective devices.
2. Press the "Connection button" on the Transmitter unit.
3. Within a few seconds, press the "Connection button" on the Receiver unit.
4. The units should establish a connection, and the video signal from the source device will appear on the display.
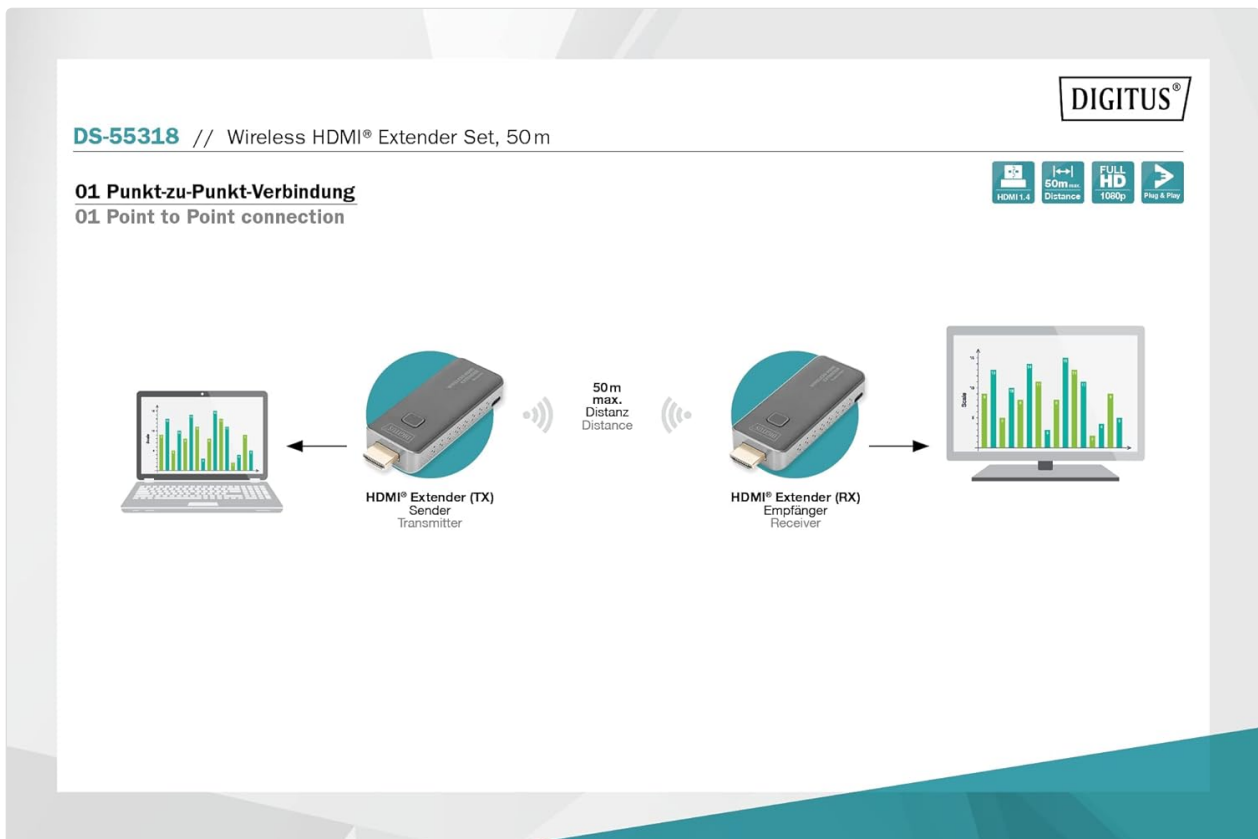

Image 5.3: Point-to-point connection diagram for the Wireless HDMI Extender.

Image 5.4: Example of the extender set in use within a meeting room environment.

6. OPERATING INSTRUCTIONS

Once the connection is established, the DIGITUS DS-55318 operates automatically.

- **Signal Transmission:** The device wirelessly transmits HDMI video and audio signals from the source to the display.
- **Resolution Support:** Supports resolutions up to Full HD (1080p / 60 Hz).
- **Transmission Distance:** Effective transmission distance is up to 50 meters with an unobstructed line of sight. Obstacles such as walls or furniture may reduce the effective range.
- **Security:** Features AES 128-bit encryption and WPA2 protocol for secure transmission.

7. MAINTENANCE

To ensure the longevity and optimal performance of your DIGITUS DS-55318:

- Keep the units clean by wiping them with a soft, dry cloth. Do not use liquid cleaners.
- Store the devices in a cool, dry place when not in use.
- Avoid placing heavy objects on the units.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No signal on display.	Units not powered, not paired, or out of range.	- Ensure both TX and RX units are powered via Micro-USB. - Verify HDMI connections are secure. - Perform manual pairing (Section 5.3). - Reduce distance between TX and RX, ensure clear line of sight.
Intermittent signal or poor video quality.	Interference, excessive distance, or obstacles.	- Move units closer together. - Remove obstacles between TX and RX. - Avoid placing units near other wireless devices that may cause interference.
No audio.	Audio settings on source/display, or connection issue.	- Check audio settings on your source device and display. - Ensure HDMI cables are fully inserted.

9. SPECIFICATIONS

Technical specifications for the DIGITUS DS-55318 Wireless HDMI Extender Set:

🇪🇸
- Transmisión inalámbrica de señales HDMI a una distancia de hasta 50 m (con visión libre)
- Conexión punto a punto - 1 emisor (fuente) + 1 receptor (dispositivo de salida)
- Soporta resoluciones hasta Full HD (1080p / 60 Hz)
- Manejo y uso sencillos gracias a Plug & Play - enchufar y empezar
- Alimentación eléctrica vía Micro-USB
- El emisor y el receptor pueden recibir la alimentación eléctrica a través de la conexión HDMI de su dispositivo (se requieren > 500 mAh)
- Codificación AES 128 bits
- Protocolo WPA2
- El kit es ideal para instalaciones posteriores, espontáneas o a corto plazo en salas de reuniones, de conferencias y de congresos

🇮🇹
- Trasmissione del segnale HDMI senza fili fino a 50 m (con visuale libera)
- Connessione punto-punto - 1x trasmettitore (sorgente) + 1x ricevitore (dispositivo di uscita)
- Supporta risoluzioni fino a Full HD (1080p / 60 Hz)
- Funzionamento e gestione semplici grazie a Plug & Play - basta inserire il connettore e iniziare
- Alimentazione tramite Micro USB
- Il trasmettitore e il ricevitore possono essere alimentati tramite la porta HDMI del vostro dispositivo (> 500 mAh richiesti)
- Codifica AES 128 bit
- Protocollo WPA2
- Il set è ideale per installazioni successive, spontanee o a breve termine in sale riunioni, conferenze e congressi

Image 9.1: Technical features as listed on the product packaging.

Feature	Detail
Connections per unit	1x HDMI plug, 1x Micro-USB jack
Audio	Stereo, 16 bits / 48 kHz
Latency	Approx. 120 ms
Support Resolution	Up to 1920x1080p / 60 Hz (Full HD)
Wireless Channel	IEEE 802.11ac, 5 GHz, 2T2R

Feature	Detail
Power Supply	Micro-USB (DC 5V/0.5A), HDMI jack (0.5A required)
Power Consumption	2.5 W
Operating Temperature	0 - 40 °C
Weight (1 unit)	27 g
Dimensions (1 unit)	L 8.3 x W 3.2 x H 1.3 cm
ASIN	B09YD8DPMD
Item Model Number	DS-55318
Package Dimensions	19.69 x 19.69 x 11.02 inches
Package Weight	0.952 ounces
Date First Available	August 8, 2022
Manufacturer	Digitus

10. WARRANTY INFORMATION

DIGITUS products are covered by a manufacturer's warranty. Please refer to the official DIGITUS website or your purchase documentation for specific warranty terms and conditions applicable to your region. Keep your proof of purchase for warranty claims.

11. SUPPORT

For technical support, product information, or service inquiries, please visit the official DIGITUS website:

www.digitus.info

Manufacturer: ASSMANN Electronic GmbH, Auf dem Schüffel 3, 58513 Lüdenscheid, Germany.
UPC: 4016032478744