

UGREEN 90909A

UGREEN Wireless HDMI Transmitter Receiver 4K User Manual

Model: 90909A | Brand: UGREEN

1. INTRODUCTION

Thank you for choosing the UGREEN Wireless HDMI Transmitter and Receiver. This device allows for wireless transmission of 4K HDR video and audio, providing a stable and low-latency experience for various applications such as presentations, home entertainment, and multimedia education. Please read this manual carefully before use to ensure proper operation and to maximize the product's lifespan.

2. PACKAGE CONTENTS

- 1 x UGREEN Wireless HDMI Transmitter (TX)
- 1 x UGREEN Wireless HDMI Receiver (RX)
- 1 x USB-C Power Cable (for TX)
- 1 x USB-C Power Cable (for RX)
- 1 x User Manual

3. PRODUCT OVERVIEW

The UGREEN Wireless HDMI system consists of two main components: the Transmitter (TX) and the Receiver (RX).



Image: The UGREEN Wireless HDMI Transmitter (left) and Receiver (right) with their respective power cables. The transmitter features HDMI, VGA, and Audio ports, while the receiver is a compact circular unit.

3.1 Transmitter (TX)

The Transmitter unit connects to your source device (e.g., laptop, PC, camera). It features multiple ports for versatile connectivity.

- **USB-C Port:** For power supply.
- **HDMI Input:** Connects to HDMI output devices.
- **VGA Input:** Connects to VGA output devices.
- **3.5mm Audio Input:** For audio input when using VGA.
- **Function Button:** Used for pairing and switching display.

3.2 Receiver (RX)

The Receiver unit connects to your display device (e.g., TV, monitor, projector). It receives the wireless signal from the Transmitter.

- **USB-C Port:** For power supply.
- **HDMI Output:** Connects to HDMI input on display devices.

- **Function Button:** Used for pairing.

4. SETUP

The Wireless HDMI Transmitter and Receiver Kit is auto-paired from the factory, making setup truly plug-and-play. No apps or Wi-Fi are required for initial operation.

1. **Connect the Receiver (RX):**

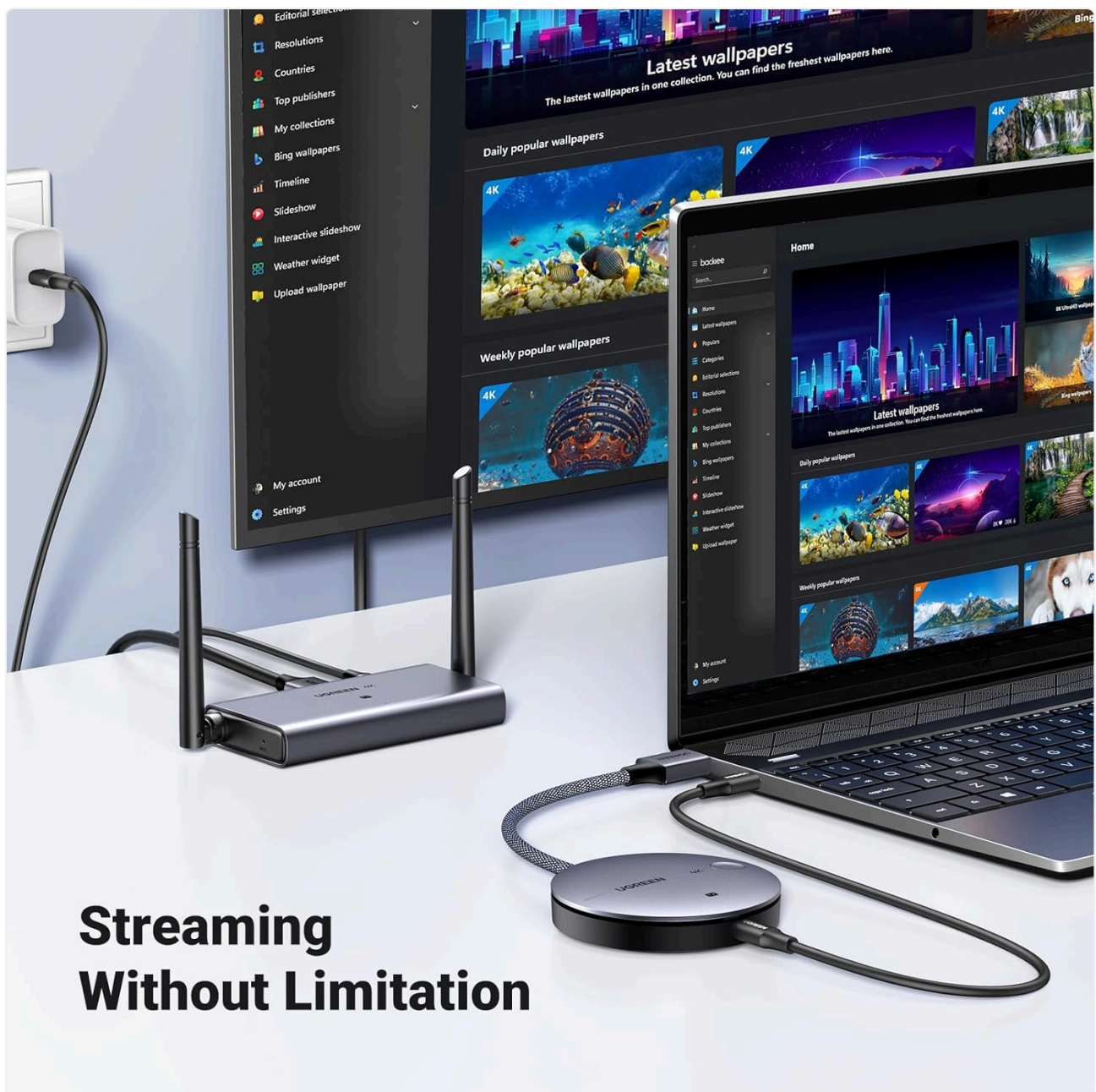
- Connect the HDMI output of the Receiver to an HDMI input port on your TV, monitor, or projector.
- Connect the USB-C power cable to the Receiver's USB-C port and then to a power source (e.g., USB wall adapter, TV's USB port). Ensure the power source provides sufficient power.

2. **Connect the Transmitter (TX):**

- Connect the HDMI or VGA input of the Transmitter to the corresponding output port on your source device (e.g., laptop, PC, camera).
- If using VGA, connect a 3.5mm audio cable from your source device's audio output to the Transmitter's 3.5mm audio input.
- Connect the USB-C power cable to the Transmitter's USB-C port and then to a power source (e.g., USB wall adapter, laptop's USB port).

3. **Power On:** Ensure both the Transmitter and Receiver are powered on. The devices will automatically attempt to connect.

4. **Display Output:** Once connected, the content from your source device will be mirrored or extended to your display.



Streaming Without Limitation

Image: A visual representation of the setup process, showing a laptop connected to the UGREEN Transmitter, and the Receiver connected to a large display monitor, illustrating a typical streaming setup.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation and Plug & Play

After successful setup, the system operates automatically. The Transmitter sends the video and audio signal to the Receiver. The device is designed for true plug-and-play functionality, requiring no drivers or software installation.



Image: A hand pressing the central button on the UGREEN Transmitter, illustrating the one-click startup and plug-and-play convenience without the need for drivers or software.

5.2 4K Transmission and Low Latency

The UGREEN Wireless HDMI system supports true 4K hardware decoding, enabling wireless transmission of 4K HDR video and audio. For 1080P video, you will experience even greater stability and lower latency.

- **4K@30Hz:** The maximum wireless distance is 30 meters.
- **1080P@60Hz:** The maximum wireless distance is 50 meters (165 feet) without obstruction.
- **Latency:** As low as 0.1 seconds, providing a smooth experience for streaming video and audio. Please note: This device is not recommended for use with game consoles due to potential latency sensitivity in gaming.

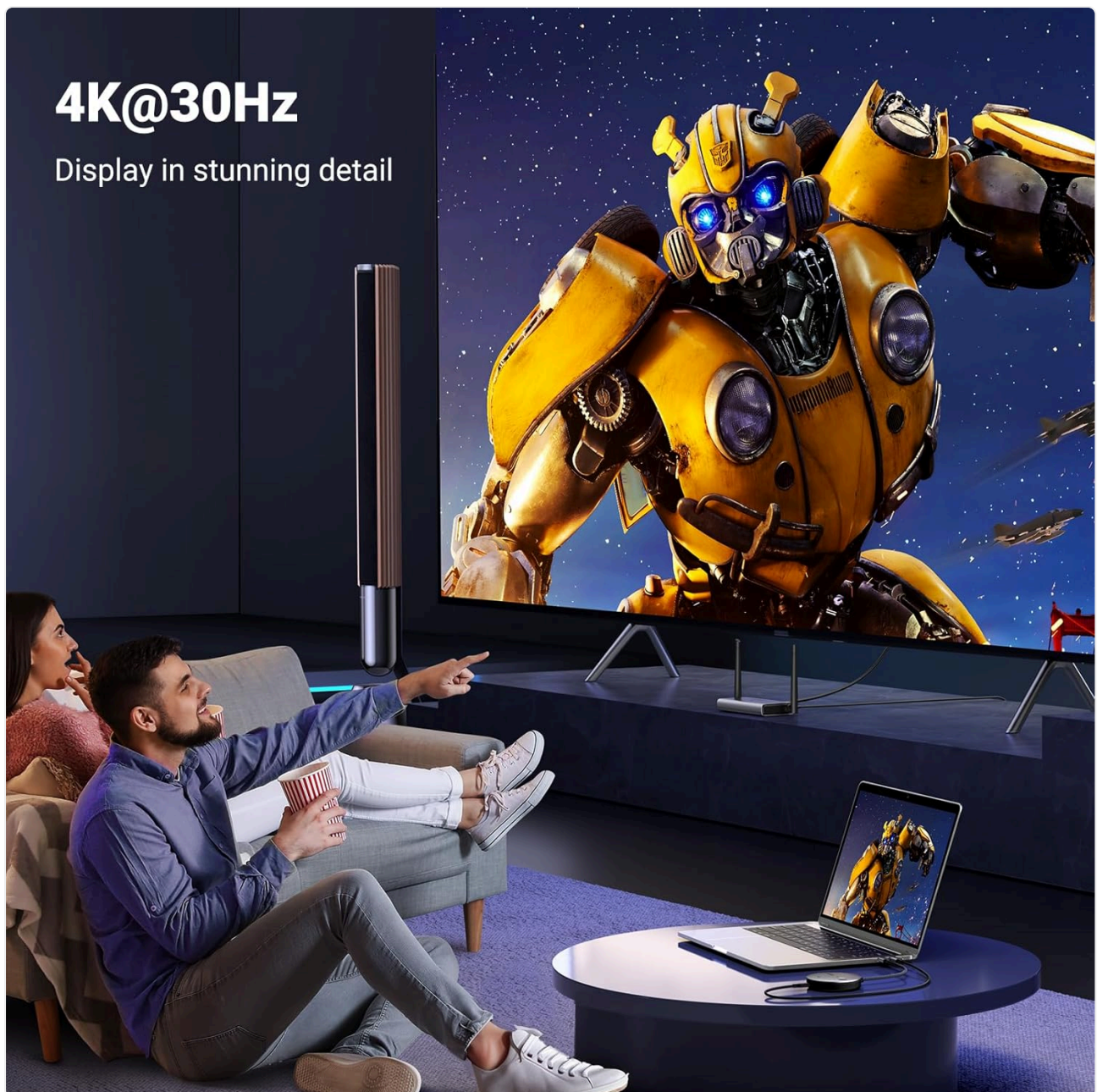


Image: Two individuals watching high-definition content on a large screen, demonstrating the UGREEN Wireless HDMI system's capability to display 4K@30Hz video in stunning detail.



Image: An infographic highlighting the device's performance with a 50-meter transmission distance and an ultra-low latency of 0.1 seconds, ensuring efficient and responsive wireless display.

5.3 VGA and HDMI Simultaneous Display

The Transmitter supports simultaneous display output via both VGA and HDMI interfaces, allowing connection to a wider range of devices and dual-screen setups.

- HDMI and 3.5mm audio can output sound concurrently.
- If HDMI is not connected, the 3.5mm audio interface can still output sound.



Image: A professional desktop setup demonstrating the UGREEN Transmitter connected to a laptop, simultaneously supporting two external monitors via HDMI and VGA, ideal for extended workspace or presentations.

5.4 Application Scenarios

This wireless HDMI system is highly versatile and suitable for various environments, including:

- Conference rooms for presentations (e.g., PPT presentations).
- Home entertainment setups for streaming video and audio.
- Multimedia education.
- Outdoor business presentations.



Image: A business meeting setting where the UGREEN Wireless HDMI system is used to project a presentation onto a large screen, illustrating its utility in making meetings more efficient and cable-free.

6. MAINTENANCE

- Keep the device clean by wiping it with a soft, dry cloth.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not disassemble the device. Repairs should only be performed by qualified personnel.
- Ensure proper ventilation around the units during operation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No signal on display.	- Incorrect connection. - Insufficient power supply. - Devices not paired. - Source device not outputting signal.	- Ensure all cables are securely connected to the correct ports (TX to source, RX to display). - Verify both TX and RX units are receiving adequate power via their USB-C ports. - The units are auto-paired from the factory. If connection is lost, try restarting both units. - Check your source device's display settings to ensure it's outputting to the correct port.
Intermittent signal or poor quality.	- Obstructions between TX and RX. - Distance too great. - Interference from other wireless devices.	- Ensure a clear line of sight between the Transmitter and Receiver. - Reduce the distance between the units. - Move the units away from other 5GHz wireless devices (e.g., Wi-Fi routers, cordless phones).
No audio.	- Audio cable not connected (for VGA). - Display audio settings.	- If using VGA, ensure the 3.5mm audio cable is correctly connected from your source to the TX unit. - Check the audio settings on your display device and source device.

8. SPECIFICATIONS

Brand	UGREEN
Model Number	90909A

Connectivity Technology	HDMI (Wireless 5GHz)
Supported Resolutions	Up to 4K@30Hz, 1080P@60Hz

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Wireless Transmission Distance	4K@30Hz: Max 30 meters VGA (up to 1080P@60Hz): Max 15 meters
Latency	As low as 0.1 seconds
Input Ports (TX)	HDMI, VGA, 3.5mm Audio, USB-C (Power)
Output Ports (RX)	HDMI, USB-C (Power)
Compatible Devices	Laptops, PCs, Cameras, DVDs, DSLRs, Set-top boxes, Cable/Satellite boxes (TX); TVs, Monitors, Projectors (RX)
Product Dimensions	14.2 x 5.5 x 1.65 cm (TX); (RX dimensions not specified, but implied compact)
Weight	390 g (total package)
Special Features	3.5mm Audio Port, USB-C port power supply, Plug & Play, Dual Screen Support (HDMI & VGA)

9. SAFETY INFORMATION

- Do not expose the device to water or moisture.
- Avoid dropping or subjecting the device to strong impacts.
- Use only the provided or recommended power cables.
- Keep out of reach of children.
- Do not operate the device if it has been damaged.

10. WARRANTY AND SUPPORT

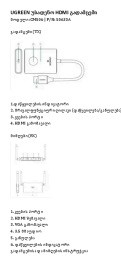
UGREEN products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please visit the official UGREEN website

or contact their customer service directly. Please retain your purchase receipt as proof of purchase for warranty claims.

UGREEN Official Website: www.ugreen.com

© 2024 UGREEN. All rights reserved.

Related Documents

	UGREEN Wireless HDMI Extender CM506 User Manual This document provides instructions and specifications for the UGREEN Wireless HDMI Extender CM506 (P/N: 50633A), detailing the setup and usage of both the transmitter (TX) and receiver (RX) units. It covers connection diagrams, pairing information, troubleshooting steps, and package contents.
	Ugreen MM105 HDMI VGA კონვერტორი - 1080P HD, Plug and Play Ugreen MM105 HDMI VGA კონვერტორი (მოდელი 40253) აღწერილობა. უზრუნველყოფს 1080P HD გარჩევადობას, მარტივ კავშირს მოწყობილობებს შორის და გამძლე დიზაინს. იდეალურია ლეპტოპებისა და TV Box-ების პროექტორებთან და ტელევიზორებთან დასაკავშირებლად.
	UGREEN Active HDMI to VGA Adapter with 3.5mm Audio - User Manual P/N 20694 User manual for the UGREEN Active HDMI to VGA Adapter (P/N: 20694). Learn how to connect HDMI devices to VGA displays, including setup, features, and package contents. Supports Micro USB power and 3.5mm audio output.
	Troubleshooting Guide for UGREEN HDMI Switch A comprehensive troubleshooting guide for the UGREEN HDMI Switch, addressing common issues such as remote not working, no signal, black screen, and flickering monitor.

Documents - UGREEN – 90909A



[\[pdf\]](#) Specifications

CM586 90909A True 4K Transmitter and Receiver UGREEN HDMI

Wireless VGA Simultaneous Display Support other display

Specifications gpevolution gr products 1298 |||

CM586-90909A Wireless HDMI Extender50M

Features: True 4K Transmitter and Receiver UGREEN
HDMI Wireless Transmitter and Receiver are for 4K
hardware decoding, enabling wireless transmission of
4K HDR video and audio. 165FT/50M Wireless
Transmission The wireless HDMI extender applies with
5GHz tech...

lang:en score:31 filesize: 6.94 M page_count: 3
document date: 2024-04-30

[\[pdf\]](#) Frequently Asked Questions

Edwuin Rodas Descripción Compukaed KIT EXTENSOR

INALÁMBRICO HDMI VGA DE 2 4 GHZ 5GHZ CM586 Marca

Ugreen Modelo 90909A Resolución 4K Ultra HD El transmisor y receptor srsIid AfmBOob

wrLrLA9KNbgPCcvGrDoK0hVdhvQiiRw6m h5DzjSw2G3RW5

compukaed 2024 08 Descargar información técnica del producto

EXTENDER WIRELESS INALAMBRICO 50 METROS ULTRA A 30HZ

UGREEN AUDIO Y VIDEO receptor inalámbrico admite

resoluciones de vídeo hasta 5G Puede disfrutar imágenes Ultra

chip wifi alta tecnología incorporado puede usar fácilmente 31

ago — AfmBOogdiWJck9zWEtbfAQFUafaroVF38A

f8DQlExC2tcw318 Seqm0

AfmBOopqDC9i62X7O2QQH0jHPLhvgT6OXsq1dH1bk8

hIKJ3E3KiuxKP AfmBOogzFxHls6sMVb81PcmN8Qx1EOM0M

5vCcJb0st1 TqgsbyCbLaz CompukaedKIT receptor Resolución

Ultra Resolución fácilmente 31 Ultra90909A

h5DziSw2G3RW590909A Segm090909A hIKJ3E3KiuxKP90909A

TgqsbyCbLazcompukaed 90909Acompukaed

h5DziSw2G3RW5compukaed Segm0compukaed

hIKJ3E3KiuxKPcompukaed fácilmente Resolución Ultra 31

AfmBOopmWCjdK77kyvwXR41QMhW79IDzJrfsLpMj9INEVvE

TqHqE53scompukaed usar 31 AfrmBOopxyhBqu lAmQYYMhZ tg6
xm9thx3Dx8xY3HISFF2tXj4b1mXAcompukaed ||| ||| KIT EXTENSOR



KIT EXTENSOR INALÁMBRICO HDMI/VGA DE 2.4 GHZ/5GHZ | CM586

Marca: Ugreen

Modelo: 90909A

Descripción

Resolución 4K Ultra HD: El transmisor y receptor inalámbrico HDMI UGREEN admite resoluciones de video de hasta 4K 5G. Puede disfrutar de imágenes 4K Ultra HD en una pantalla grande con 4 veces la claridad de 1080P para una experiencia de visualización inmersiva. Al mismo tiempo, si lo usas para transmitir video 1080P, obtendrás una experiencia más estable y con menor latencia, recomendado para consolas de juego.

Transmisión inalámbrica de 165 pies/50 m: El extensor HDMI inalámbrico se aplica con tecnología de 5 GHz, sin obstrucciones, 1080P@60 Hz admite una distancia inalámbrica máxima de 50 metros. La distancia inalámbrica máxima de 4K@30Hz es de 30 metros, y cuando VGA admite hasta 1080P@60Hz, la distancia máxima de salida es de 15 metros. Muy adecuado para discursos de conferencias y presentaciones PPT.

Fácil de Usar y Plug & Play: El kit de transmisor y receptor HDMI inalámbrico se empareja automáticamente entre sí de la fábrica, lo que es verdaderamente plug-and-play. No se requieren aplicaciones ni Wi-Fi. TX y RX se conectan automáticamente de forma inalámbrica a través de su chip wifi de alta tecnología incorporado, puede usar fácilmente su wifi para trabajar en línea y ver videos / audio, no ocuparán su wifi o datos celulares. Nota: Admite fuente de alimentación del puerto USB C

Compatible con Pantalla Simultánea VGA y HDMI Dual: Transmisor y receptor admite conexiones VGA y HDMI y otras interfaces de pantalla para admitir más dispositivos. Puede conectar un cable VGA para RX a las otras imágenes de salida de TV al mismo tiempo. Y también realiza el derrame de video, audio en la TV y parlantes. HDMI y audio de 3,5 mm pueden emitir sonido al mismo tiempo. Cuando HDMI no está conectado, la interfaz de audio de 3,5 mm también puede emitir sonido.

Amplia Compatibilidad: Nota: TX (Transmisor) Compatible con la mayoría de los dispositivos de salida HDMI, computadoras portátiles, PC, cámaras, DVD, DSLR, decodificadores, decodificadores de cable/satélite y más. RX (Receptor) es compatible con TV, monitor, proyector y más dispositivos de pantalla. Si se invierte la conexión, no habrá señal. Es fácil de transportar para presentaciones de negocios al aire libre, salas de conferencias, entretenimiento en el hogar y educación multimedia.

Contenido de la caja: Transmisor HDMI inalámbrico*1, Receptor HDMI inalámbrico*1, Cable HDMI*2, Cable USB C*2 y Manual del usuario.

Nota: Asegúrese de que tanto el transmisor como el receptor estén conectados a la fuente de alimentación cuando los utilice (requisito de voltaje: $5\text{ V} \pm 5\%$, requisito de corriente: $\geq 1\text{ A}$, el producto no incluye un adaptador de carga).

INALMBRICO HDMI/VGA DE 2.4 GHZ/5GHZ CM586 Marca:

Ugreen Modelo: 90909A Descripcin Resolucin 4K Ultra HD: El

transmisor y receptor inalmblico HDMI UGREEN admite

resoluciones de vdeo de hasta 4K 5G. Puede disfrutar de imgenes

4K ||| KIT EXTENSOR INALMBRICO HDMI/VGA DE 2.4 GHZ/5GHZ

CM586 Marca: Ugreen Modelo: 90909A Descripcin Resolucin 4K

Ultra HD: El transmisor y receptor inalmblico HDMI UGREEN

admite resoluciones de vdeo de hasta 4K 5G. Puede disfrutar de

imagenes 4K

KIT EXTENSOR INALMBRICO HDMI/VGA DE 2.4

GHZ/5GHZ CM586 Marca: Ugreen Modelo: **90909A**

Descripcin Resolucin 4K Ultra HD: El transmisor y

receptor inalmblico HDMI UGREEN admite

resoluciones de vdeo de hasta 4K 5G. Puede disfrutar

de imgenes 4K Ultra HD en una pantalla grande con 4

veces la claridad de...

lang:es score:27 filesize: 194.17 K page_count: 2

document date: 2024-09-11