



Click & Present Mini Wireless Presentation System



Manual
DS-55319

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1. Introduction

With the Wireless Presentation System, you can wirelessly transmit HDMI video and audio signals in Full HD over a distance of up to 50 m with an unobstructed view. Operation and installation are super simple. Real Plug & Play - Just plug in and get started. With additional transmitters (DS-55320), the set can be extended to up to 16 transmitter units (total). Switch to the desired transmitter quickly and easily at the press of a button in order to reproduce your content. You can also share content directly from your mobile device (smartphone/table) using your device's OS directly, no additional app required. Transmitter can be supplied with power via your device's HDMI connection (> 500 mAh required). To have a safe and stable operation, we recommend to use always the Micro USB cables for power supply of TX and RX.

Thanks to the compact design of the transmitter and receiver, installation is easy, quick and can be customized - the perfect solution for meeting and conference rooms

2. Main Features

- Wireless HDMI signal transmission up to 50 m (with unobstructed view)
- Supports up to 16x transmitters (sources) + 1x receiver (output device)
- Extend this set with up to 16 transmitter units (DS-55320)
- Switch to the desired transmitter quickly and easily at the press of a button in order to reproduce your content
- Supports sharing from mobile device (smartphone/tablet) via the OS of the mobile device, no app required
- Supports Windows, iOS, iPadOS, Android
- Supports resolutions up to Full HD (1080p / 60 Hz)
- Easy operation and handling thanks to Plug & Play - Just plug in and get started
- Transmitter can be supplied with power via your PC's HDMI connection (> 500 mA required)

To have a safe and stable operation, we recommend to use always the Micro USB cable for power supply of TX and RX

3. Package Content

- 1x Transmitter unit
- 1x Receiver unit
- 1x Wifi / Power cable (75 cm) for RX
- 1x Micro USB cable (80 cm) for TX
- 2x HDMI extension cable (15 cm)
- 1x QIG

4. Product Features

Features	Description
Plug and play	Simply connect the transmitter with the PC HDMI ports and connect the receiver with the screen, the transmitter and receiver will connect automatically
App Free	The Wireless Presentation System Set doesn't need any software or app installation, no setup, no IT team
All in one	Supports also Blu-ray / DVD player, media player and any device with HDMI jack
Auto Channel Selection	The Wireless Presentation System Set will select the best Wi-Fi channel automatically after power on to ensure streaming smoothly
Fast Speed with 5G AC MIMO Technology	The Wireless Presentation System Set comes with the fast 802.11ac MIMO technology which increases Wi-Fi speeds by allowing a pair of wireless devices to simultaneously send or receive multiple data streams
1080p60 High Video Quality	The Wireless Presentation System Set supports 1080p resolution, which means much more clear pictures, rich in details and texture compared with 720p.

High Security Protection	No worries about the data security, the Wireless Presentation System Set supports AES 128-bit security encryption and WPA2/WPA-PSK/WPA2-PSK authentication protocol to protect data. HDCP is supported to protect the content
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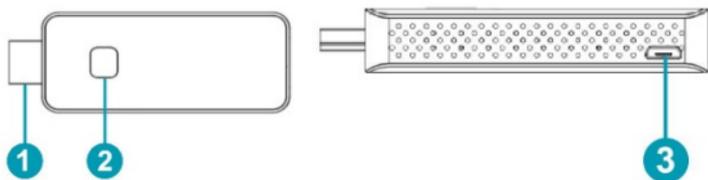
5. Product Specification

Feature	
Video Input	1920x1080 (1080p60/50/30/25/24, 1080i60/50) 1280x720 (720p60/50) 720x576 (576p50) 720x480 (480p60)
Video output	Up to 1080p / 60Hz
Audio	Stereo, quality 16bits 48KHz
Wireless Channel	IEEE 802.11ac, 5GHz, 2T2R
Latency	Around 120ms latency
HDMI Version	HDMI 1.4 with HDCP1.3
Authentication Protocol	WPA2 (WPAS-PSK / WPA2-Enterprise)
Security	AES 128 bit
Platform supported	Windows, macOS, iOS, iPadOS, Android
Distance	About 50 meters in the clear line of sight

Transmitter	
Interface	HDMI in jack x 1, Micro USB x 1, button x 1
LED	Red and Blue
Switch Button	1 x
Power Supply	DC 5V/0.5A
Power Consumption	About 2,5 W
Dimension	83 x 32 x 13mm
Weight	27.1 g
Receiver	
Interface	HDMI out jack x 1, Micro USB x 1, button x 1
LED	Red and Blue
Power Supply	DC5V/0.5A
Power Consumption	About 2.5W
Dimension	83 x 32 x 13mm
Weight	27.1 g
Temperature Range	
Operating	0°C to +40°C (+32°F to +104°F)
Storage	-10°C to +60°C (+14°F to +140°F)
Humidity	
Operating	10% to 80% relative humidity

6. Overview

6.1 Transmitter Unit



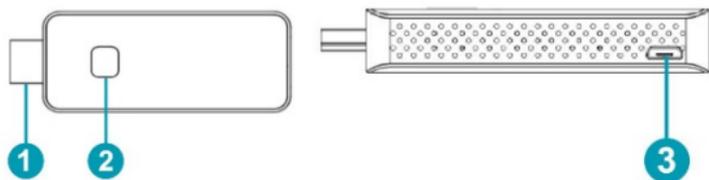
1. HDMI in	Connect source devices, like with a computer or other devices with HDMI, the HDMI in also supports 5V power if the source devices has HDMI with a 5V output
2. Button	Short press: start to cast Long press: long press up to 10 seconds for factory reset
2. LED	To display different statue
3. Micro USB	For power supply

Remark: if the source device has a HDMI with 5V power output, then there is no need to connect an USB cable for power.

LED indicator of the Transmitter Unit	Description
Static red	Transmitter Unit system is booting on
Flashing red	Transmitter Unit is searching for Receiver Unit
Flashing blue	Waiting for connection

Static blue	Connected and started to present
Purple	No HDMI in

6.2 Receiver Unit



1. HDMI out	Connect with monitor or projector
2. Button:	Press 10 seconds for factory reset
2. LED	To display different status
3. Micro USB	For power supply

LED indicator of the Receiver Unit	Description
Flashing blue	Waiting for connection
Static blue	Connected and started to present

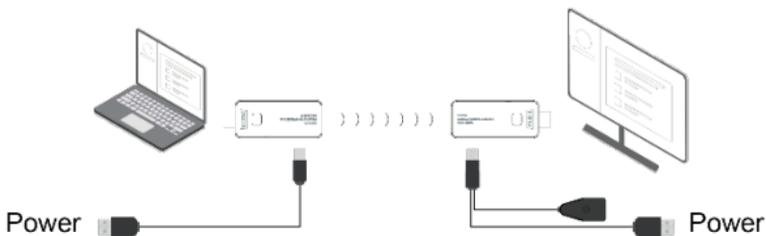
7. Installation

7.1 Receiver Installation

1. Connect with TV or projector

- Connect the Micro USB port of the receiver to the USB port of the TV through the Wifi USB connection / power supply cable.

- Connect the Receiver HDMI Unit with the big screen TV or projectors HDMI jack



2. Connect to Internet

- Connect the Receiver SSID with your smart devices, the SSID and password are shown on the left upper corner of the screen



← WLAN



WLAN



Network acceleration

On >

More settings

50%



CONNECTED

DIGITUS-S2-E13903

Connected (no Internet access)



AVAILABLE



LECHENG_2.4G

Saved, encrypted (available)

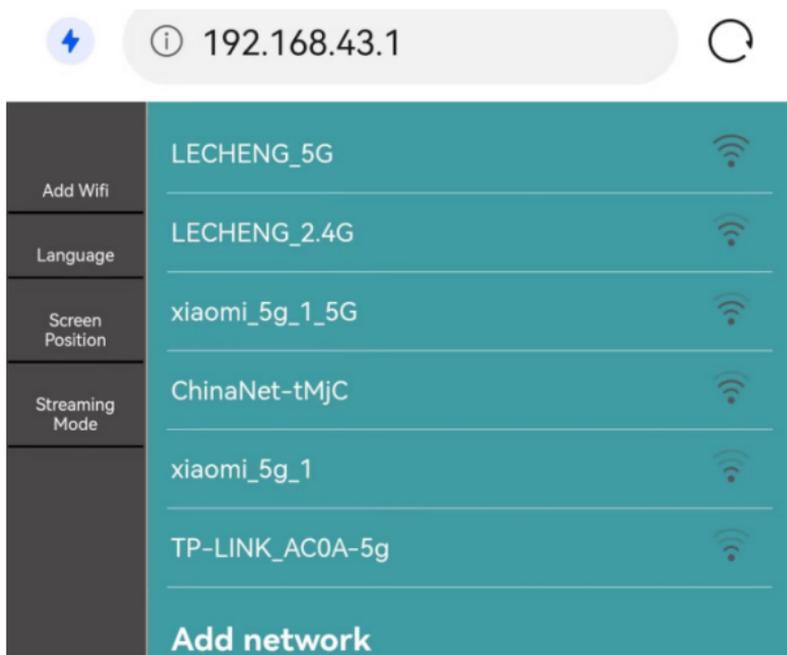


LECHENG_5G



- Open the browser with your phone, and input the IP address which show on the left upper corner of the screen to enter to the Receivers management platform

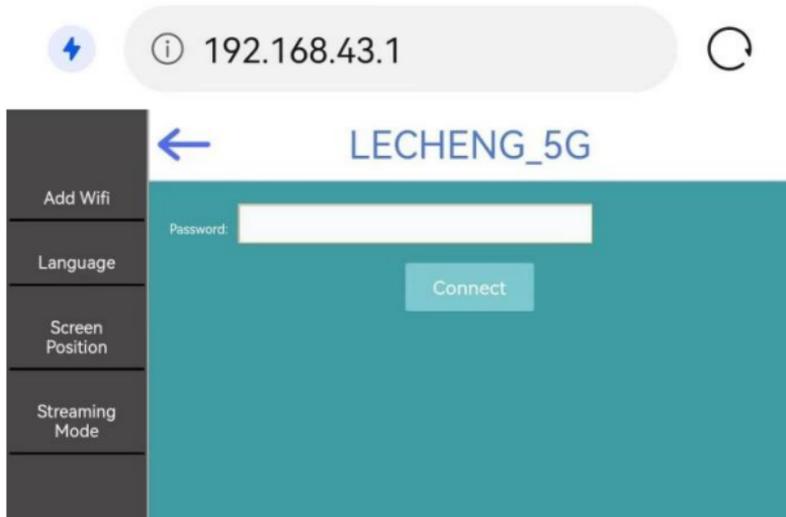
Remark: when connect to router, the IP address will be updated accordingly



- Select the network and connect in the management platform, the Receiver Unit will link to the network and show the network SSID on the middle of the screen (to get a better performance, we recommend connecting with 5G router)

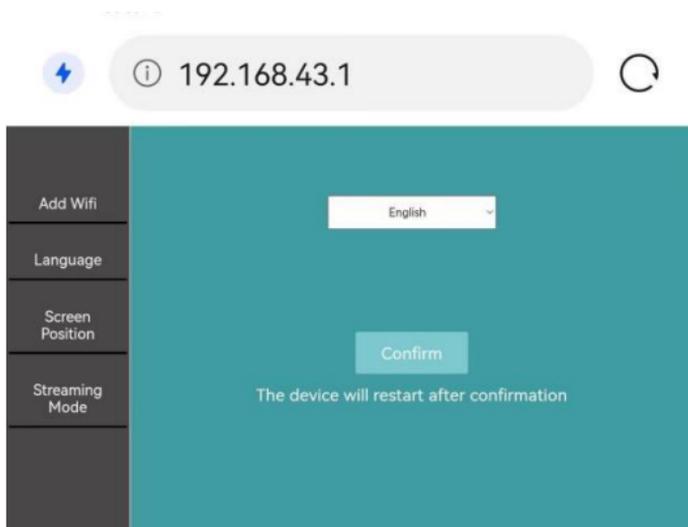
The platform will list all your wireless router SSID, select the SSID from the wireless router and enter the password.

The Receiver Unit will link to the network and show the network SSID on the middle of the receiver screen (to get a better performance, we recommend connecting with 5G router)



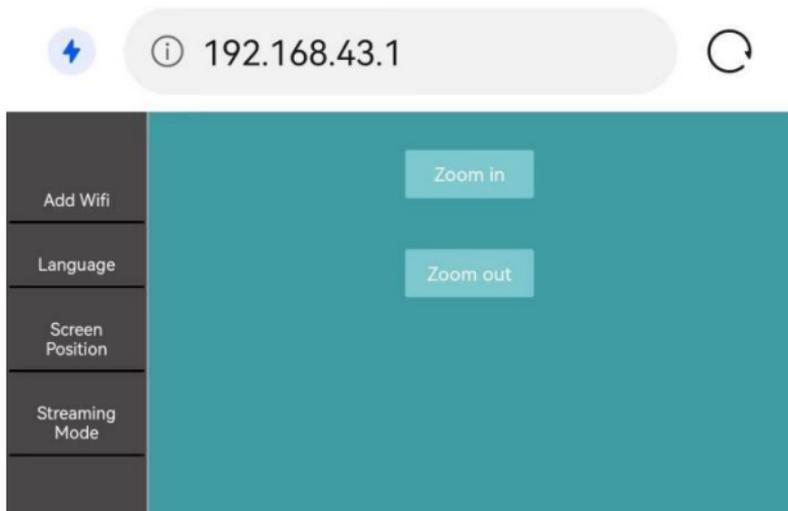
3. Language

- User can change language in the management page



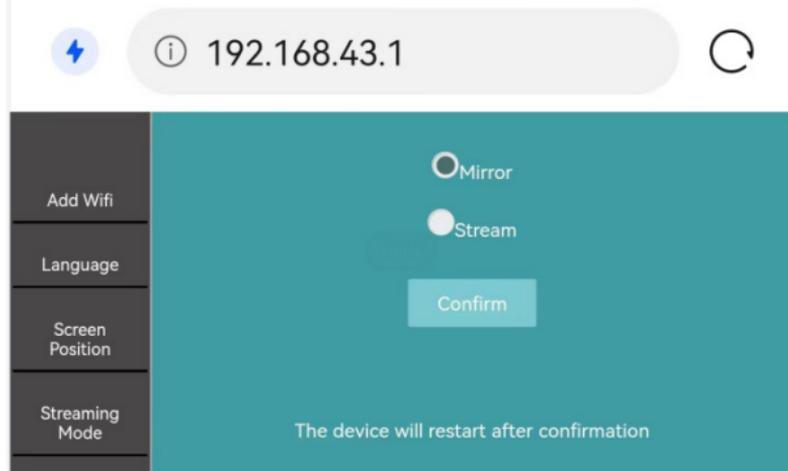
4. Screen Position

- If the Receiver HDMI out size is not compatible with the display, user can use Screen Position to adjust the zoom in and zoom out of the screen



5. Streaming mode

- You can select to use streaming or mirror mode



7.2 Transmitter Installation

1. Connect the transmitter with the Micro-USB cable and then connect it to the PC first (recommended)
2. Connect the transmitters HDMI plug to PC HDMI port
3. The LED indicator of the transmitter will turn red when it's booting up.
4. The LED indicator will become blue and flashing when it is ready to stream
5. Click the button to start casting, the LED indicator will become constant blue

8. Pairing Transmitter and Receiver

The set DS-55319 includes one receiver and one transmitter, which are paired before shipment. Normally you don't need to pair them again.

However, if you buy an additional transmitter (DS-55320) or need to re-pair, you need to follow the instruction below to pair the new transmitter with the receiver.

1. Ensure that previously connected transmitters are powered off and not connected to the receiver.
2. Power on the receiver via Micro-USB/Wifi cable and connect with display. Then connect the receivers HDMI plug with the display.
3. Power on the transmitter via Micro-USB cable and connect with the PC first. Then connect the HDMI plug with the PC.
4. The LED turns to flash red, then press the button up to 5 seconds till the LED become fast flashing red, this means the transmitter unit is in factory reset mode.
5. Wait around 15 seconds, the button light of Transmitter Unit will turn to constant blue from the red light, and the pair successful message will be displayed on the Receiver Unit screen.

Remark:

Please make sure that no other transmitter is connected to the receiver when you pair a new transmitter, please ensure to power off all other previously installed transmitter first

9.1 Streaming from Transmitter

1. Connect the Micro-USB cable with the transmitter and PC (recommended)
2. Connect the transmitter HDMI plug to a PC HDMI port
3. The LED indicator of the transmitter will turn red when it's booting up
4. The LED indicator will become blue and flashing when it is ready to stream

Click the button to start casting, the LED indicator will become constant blue

9.2 Streaming from smart devices (smartphone/tablet)

Remark:

If a HDMI Transmitter (TX) is connected with the HDMI Receiver (RX), please unpair/disconnect the TX and the RX by press the button on TX first, start screen will be shown. Then you can connect a mobile device.

Priority is HDMI Transmitter (TX) before mobile device (smartphone/tablet).

When a mobile device is connected and you want to switch to HDMI transmitter, just press the button on TX to share. You don't need to disconnect mobile device first.

iOS Devices:

- Search RX (Receiver) SSID and connect in Wifi settings. (SSID: DIGITUS..., Password: 12345678), the is SSID shown on the left upper corner of the RX start screen
- Use the screen mirroring function of the smartphone
- Choose RX (Receiver) DIGITUS-... to start sharing

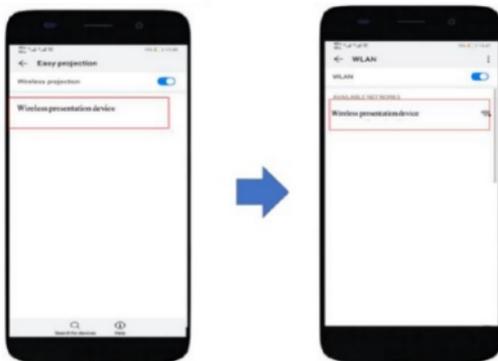


Remark:

If the RX already connect with your (office) network, and the iOS devices are in the same network, in this case, it's no need for the iOS devices to connect with the RX SSID first

Android devices:

- Make sure your android devices Wi-Fi is activated/available
- Go to the Mirror/Share/Cast function of the smartphone
- Choose RX (Receiver) DIGITUS-... to start sharing



Remark: there are different names on different brands of phones or tablets: WIFI Display, WLAN Display, Wireless Display, Allshare Display, Allshare Cast, Wireless Display, MirriorShare, etc.

Frequency Range & Maximum Transmit Power

WiFi Standard: 802.11b/g/n/ac 5G WiFi

Channel: 36, 40

Core Frequency: 5180, 5200

Range: 5170 ~5 210MHz

Bandwidth: 20/40MHz

Transmitter power: 13 dBm max

SW version: RX: 2.69, TX: 2.3.9

HW version:

TX: S100TX-LC01-01

RX: S100RX-LC01-01

Important safety instructions

Please read the following safety instructions carefully before installation and operation:

1. Observe all warnings and instructions concerning this device
2. Do not expose the device to rain, moisture, vapors or liquids
3. Do not insert any objects into the device
4. Do not attempt to repair the unit yourself or open the cabinet.
Risk of electric shock!
5. Ensure adequate ventilation to prevent damage due to overheating
6. Turn off the power supply and make sure the environment is safe before installation
7. In the event of thunderstorms, there is a risk of lightning strike and damage to connected electrical equipment due to overvoltage
8. Do not install this device during a thunderstorm
9. Disconnect the device from the connected electrical appliances during a thunderstorm
10. Use the device inside buildings only
11. Return the device to your dealer in case of repair
12. Dust, moisture, vapors and strong cleaning agents or solvents can damage the device
13. Disconnect the device from the power supply and the connected devices before cleaning
14. Clean the device with a lint-free cloth

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