

## Unitek V1162B

# Unitek Wireless HDMI Display Dongle Adapter V1162B User Manual

Model: V1162B | Brand: Unitek


## 1. INTRODUCTION

The Unitek Wireless HDMI Display Dongle Adapter V1162B provides a seamless solution for wirelessly transmitting high-definition audio and video from your USB-C enabled devices to an HDMI display. This device supports both screen mirroring and extended display modes, offering flexibility for various applications, from presentations to home entertainment. This manual outlines the essential steps for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your adapter.













## 2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Transmitter x 1
- Receiver x 1
- Instruction Manual x 1



### Attention

 Full Function		 Only Data Transfer	
 Data Video output		 Only Charging	
 Data-Displayport Alt		 Only Data Transfer	

Please make sure your Laptop/iPad/Phone has a fully functional USB C port.

Image: Package contents including the transmitter, receiver, and instruction manual.

### 3. PRODUCT OVERVIEW

The Unitek Wireless HDMI Display Dongle Adapter consists of two main components: a Transmitter (TX) and a Receiver (RX).

#### 3.1 Components

- **Transmitter (TX):** A compact, circular device with a short USB-C cable for connecting to your source device. It features a PD3.0 100W charging port to power your device during use.
- **Receiver (RX):** A small dongle with an HDMI connector for your display and a USB-A cable for power.



Image: Overview of the Unitek Wireless HDMI Transmitter and Receiver.

#### 3.2 Key Features

- **Wireless 1080P 60Hz Transmission:** Delivers clear and sharp Full HD visuals and high-fidelity sound.
- **PD3.0 100W Charging Port:** Ensures stable performance and powers your source device simultaneously.
- **Dual-Mode Switching:** Supports both screen mirroring and extended display modes (for macOS

and Windows).

- **Plug and Play:** Driver-free design for quick and easy setup without Wi-Fi, apps, or complex settings.
- **2.4G/5G Dual-Band Technology:** Provides stable and efficient wireless transmission.
- **Wide Compatibility:** Works with various USB-C devices (laptops, phones, tablets) and HDMI displays (TVs, monitors, projectors).

## 4. SETUP INSTRUCTIONS

Follow these steps for a quick and easy setup:

1. **Connect the Receiver (RX):** Plug the HDMI connector of the receiver into an available HDMI port on your TV, projector, or monitor. Then, connect the USB-A cable of the receiver to a USB-A port on your display device or a USB charger adapter for power.
2. **Connect the Transmitter (TX):** Plug the USB-C port of the transmitter into a fully functional USB-C port on your laptop, mobile device, or tablet.
3. **Initiate Connection:** The devices will automatically pair. Wait approximately 5 seconds for the display to project. No button press is required to start the projection.

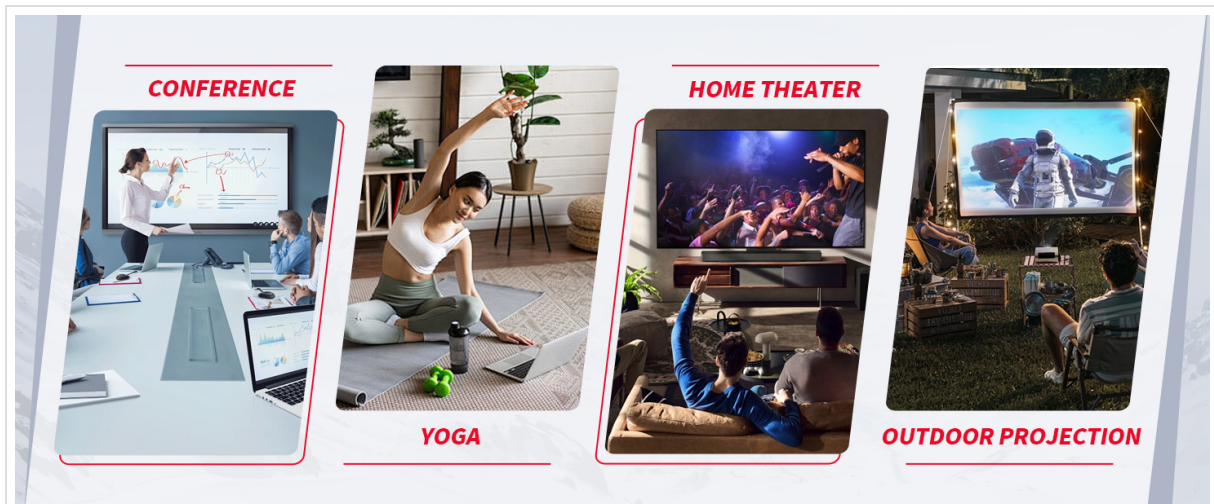


Image: Step-by-step setup guide for the wireless HDMI adapter.

The adapter is designed for 'Plug and Play' operation, requiring no drivers, Wi-Fi, or application installations.

## 5. OPERATING INSTRUCTIONS

### 5.1 Mirroring and Extended Display Modes

The adapter supports both mirroring and extended display modes, allowing you to choose how your content is shown on the external display.

- **Mirroring Mode:** The external display shows an exact duplicate of your source device's screen. This is ideal for presentations or sharing content directly.
- **Extended Display Mode:** The external display acts as an additional screen, expanding your desktop workspace. This is useful for multitasking, such as having different applications open on each screen.

To switch between modes:

- **macOS Users:** Use the shortcut key **Option** + **F1**.
- **Windows Users:** Use the shortcut key **Win** + **P** to access display settings and select your preferred mode.

# Tool-Free Installation, Plug and Play

Wireless transmission up to 30m(in empty space)



Image: Illustration of Mirror and Extend display modes.

## 5.2 PD3.0 100W Charging

The transmitter is equipped with a PD3.0 port that supports up to 100W power input. This allows you to charge your source device (laptop, tablet, or phone) while simultaneously transmitting video, ensuring uninterrupted operation during long presentations or movie sessions.





## PD3.0 Fast Charging for Laptop

Image: Transmitter connected to a laptop and receiving 100W power.

### 6. COMPATIBILITY

The Unitek Wireless HDMI Display Dongle Adapter is designed for broad compatibility:

#### 6.1 Compatible Source Devices (Transmitter - TX)

- Laptops: MacBook (M1/M2/M3/M4), Microsoft Surface, Dell XPS, Chromebook, Mac mini M4, and other devices with a fully functional USB-C port supporting video output.
- Tablets: iPad Pro/Air.
- Smartphones: Samsung Galaxy, iPhone 15/16 series, and other devices with a fully functional USB-C port supporting video output.

#### 6.2 Compatible Display Devices (Receiver - RX)

- HDTVs
- Monitors
- Projectors



Image: Wide compatibility for various devices and displays.

### 6.3 Important Note on USB-C Port Functionality

For the transmitter to function correctly, your source device's USB-C port must be **fully functional USB-C port** that supports data transfer, video output (DisplayPort Alt Mode), and power delivery. Ports that are only for data transfer or charging will not work for video transmission.



Image: Attention diagram for USB-C port functionality requirements.

## 7. TROUBLESHOOTING

If you encounter issues, please refer to the following troubleshooting tips:

- **No Signal on Display:**

- Ensure the receiver is securely plugged into the HDMI port of your display and is receiving adequate power from its USB-A connection. Some TV USB ports may not provide enough power; try connecting the receiver's USB-A cable to a dedicated USB power adapter.
- Verify that your display is set to the correct HDMI input source.
- Confirm that the transmitter is firmly connected to a **fully functional USB-C port** on your source device that supports video output.
- Restart both your source device and the display.

- **Stuttering or Delay in Video/Audio:**

- Ensure there are no significant obstructions between the transmitter and receiver.
- Minimize interference from other wireless devices operating on 2.4GHz or 5GHz frequencies.
- Confirm your source device is not running too many demanding applications simultaneously.
- The adapter utilizes 2.4G/5G dual-band technology for stable transmission; ensure optimal placement for signal strength.

**Mirror**

**Extend**

# Mirror and Extend Mode

Smartphones can only mirror



- **Source Device Not Charging:**
  - Ensure a compatible PD3.0 power adapter is connected to the transmitter's PD3.0 port.
  - Check that the power adapter and cable are functioning correctly.
- **Image Quality Issues (e.g., lower resolution):**
  - The adapter supports up to 1080P 60Hz. Ensure your source content and display settings are configured for 1080P resolution.



Image: Full HD 1080P decoding for cinematic visual experience.

## 8. SPECIFICATIONS

Model Number	V1162B
Product Dimensions	6.18 x 2.36 x 0.59 inches
Item Weight	4.2 ounces
Hardware Interface	USB Type C (Transmitter), HDMI (Receiver)



Special Feature	PD3.0-100W Port
Compatible Devices	Laptops, Monitors, Smartphones, Televisions
Max Resolution	1080P @ 60Hz

## 9. MAINTENANCE

To ensure the longevity and optimal performance of your Unitek Wireless HDMI Display Dongle Adapter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the transmitter and receiver. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures. Its compact size makes it ideal for travel or office use.

# Wide Compatibility

## Receiver(RX)



HDTV



Monitor



Projector



## Transmitter(TX)





MacBook



iPad



Mac Mini



iPhone



Samsung Galaxy

Note: Some TV's may not provide enough power.  
Use a USB adapter for the wireless display adapter.

Image: Compact design for portability.

- **Handling:** Handle the devices with care. Avoid dropping them or subjecting them to strong impacts.
- **Power:** Always use appropriate power sources and cables for charging to prevent damage.




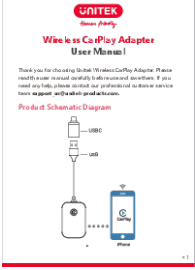


## 10. WARRANTY AND SUPPORT

Unitek provides a comprehensive after-sales guarantee system for this product:

- **Warranty:** Enjoy a 24-month free replacement service from the date of purchase.
- **Technical Support:** A professional technical team is available to provide 7x24 hours online response service and various technical assistance.
- **Response Time:** Unitek commits to completing after-sales responses within 48 hours.

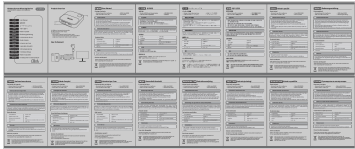
For any inquiries or support needs, please contact Unitek customer service through their official channels.

### Related Documents - V1162B

	<a href="#">UNITEK V1183B Wireless HDMI Transmitter User Manual</a> Comprehensive user manual for the UNITEK V1183B Wireless HDMI Transmitter, detailing setup, operation, and troubleshooting. Supports multiple languages.
	<a href="#">UNITEK uHUB Q4 Lite USB-C Hub with HDMI and 100W PD - User Manual</a> Comprehensive user manual for the UNITEK uHUB Q4 Lite, a 4-in-1 USB-C hub featuring HDMI, 100W Power Delivery, USB-A 10Gbps, and 3.5mm audio. Includes setup, safety, and compatibility information.
	<a href="#">UNITEK USB-C to HDMI Adapter V1187A User Manual</a> User manual for the UNITEK USB-C to HDMI Adapter (Model V1187A), detailing package contents, safety instructions, warranty disclaimer, technical specifications, and support information. Supports up to 4K@60Hz resolution.
	<a href="#">Unitek Wireless CarPlay Adapter User Manual</a> User manual for the Unitek Wireless CarPlay Adapter, providing installation, setup, troubleshooting, and FAQ for converting wired CarPlay to wireless. Includes technical specifications and warranty information.
	<a href="#">UNITEK V1185A HDMI to VGA Cable User Guide</a> Official user guide for the UNITEK V1185A HDMI to VGA Cable, detailing product overview, package contents, safety instructions, technical specifications, and support contact information.
	<a href="#">UNITEK V1168A USB-C to HDMI &amp; VGA Adapter User Manual</a> User manual for the UNITEK V1168A USB-C to HDMI & VGA Adapter, providing product overview, technical specifications, safety instructions, and support information.

[pdf] User Manual

V1162B User Manual Wireless Screen Mirroring Device UNITEKcdn shopify s files 1 0100 4820 8960 v 1745552695 |||



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[pdf] Dimension Guide

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Wireless Screen Mirroring Device **V1162B** Wide Compatibility. Supports 4K HD Resolution. Dimensions Transmission Distance Maximum Resolution Power Input Network Supported Systems Material/ Color 7.2cm x 7.2cm x 1.7cm 8M 3840\*2160 60Hz 5V/ 2A 2.4G 5G Android OS/ Windows OS/ iOS/ Mac OS ABS Housin...

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Unitex V1162B 六国语言说明书  
128G双铜 专色(Pantone 185C)+四色双面印刷+骑马钉  
小册子 (52页) 成品尺寸70\*100mm