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User Guide 

HALL TECHNOLOGY HT-VOYAGER2 USB Type C Casting Dongle



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Introduction

This product is a USB type-C based wireless screen sharing dongle.

It supports sharing contents from sources (e.g., laptop) to a display device wirelessly through our AV equipment (such as HT-RANGER2, hereinafter referred to as receiver). It supports transmitting up to 4K@30fps video signal with audio.

The device also supports plugging and playing, and fully compatible with most operation systems, like Windows 10/11, and Mac OS.

Features

- Support up to 4K@30fps video wirelessly transmitting with low latency.
- Plug and play, no installation and no driver are needed.
- Quick and simple, just press the button to transmit video and audio.
- Support 5G and 2.4G frequency bands.
- Support transmitting an enough distance to meet requirements in meeting room scenario.
- Compatible with main-stream OS, like Windows 10/11 and Mac OS.

Package Contents

- 1 x USB Dongle
- 1 x User Manual

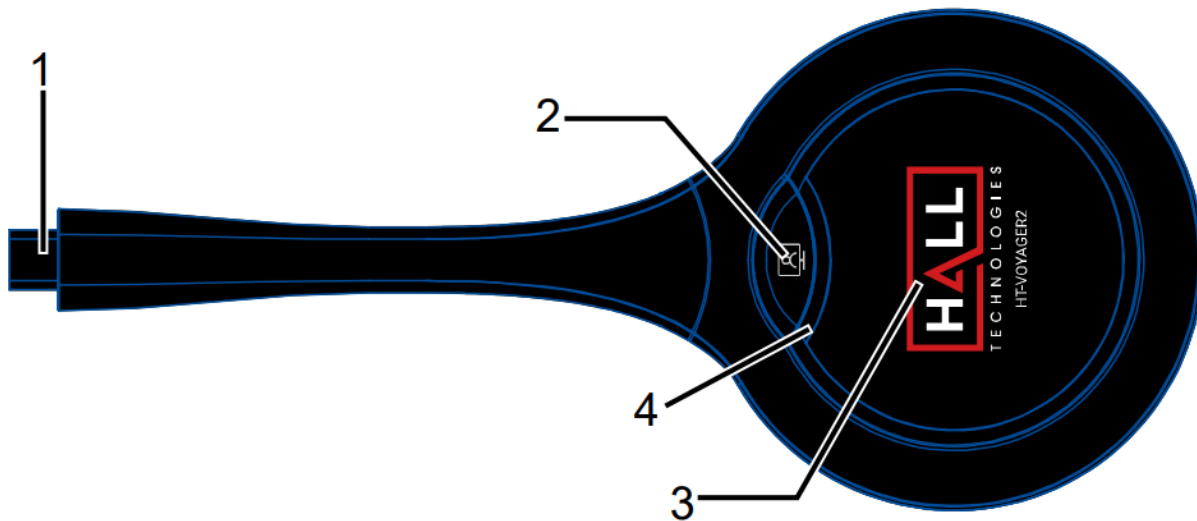
Specifications

Technical	
Max Resolution	4K @ 30fps
Terminal Type	1 x USB Type-C
Frequency	5GHz (default) and 2.4GHz
Wireless transmission protocol	IEEE 802.11 a/b/g/n, IEEE 802.11ac
Authentication protocol	WPA2-PSK or IEEE 802.1X

USB	
Operate System	Windows 10/11, Mac OS
USB Port	USB Type-C Port (Support DP Alt Mode)

General	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)
Input Voltage	5V (Power over USB)
Power Consumption (Max)	3.023W
Product size (φ x h x l)	68.98mm x 15.9mm x 165.19mm/2.72" x 0.63" x 6.50"
Product Weight	60g/0.13lb (net weight)

Panel Description



No.	Name	Description
1	USB Type-C Port	Connect to Proitav Specified AV equipment for pairing up, or source device with Type-C port(Support DP) for projecting screen.
2	Wireless Conference Button	When press wireless conference button, it is wireless connected to the USB devices on the paired receiver and the indicator below the button lights green.
3	Projecting Button	<p>After successfully paired up with the receiver, connect the dongle to a source (such as a laptop):</p> <ul style="list-style-type: none">• Casting screen: Press the button once.• Disconnecting the screen casting: Press the button once.• Frozen the screen: Press the button twice in 1s in projecting process.• Unfrozen the screen: Press the button once in frozen status to exit and back to sharing status.• Enter full-screen mode: Hold the button for about 3s to enter full-screen mode in multiple screens mode.

4	LED Indicators	<ul style="list-style-type: none"> • Running Lights (Blue, counterclockwise): The dongle is starting / The dongle is pairing up with the receiver (connected with a receiver) / WiFi is disconnected. • Solid on Blue: The dongle is paired up with the receiver successfully / The dongle is preparing for casting screen (connected with a source computer) / The dongle is upgraded successfully. • Solid on dark blue: The dongle is casting screen. • Blinking 2 times/s (blue): The dongle is in the process of upgrading. • Solid on red: The dongle is failed to be paired with the receiver (connected with a receiver) / The dongle is failed to upgrade firmware (connected with a receiver) / The Type-C port of the source doesn't support transmitting video (connected with a source computer).
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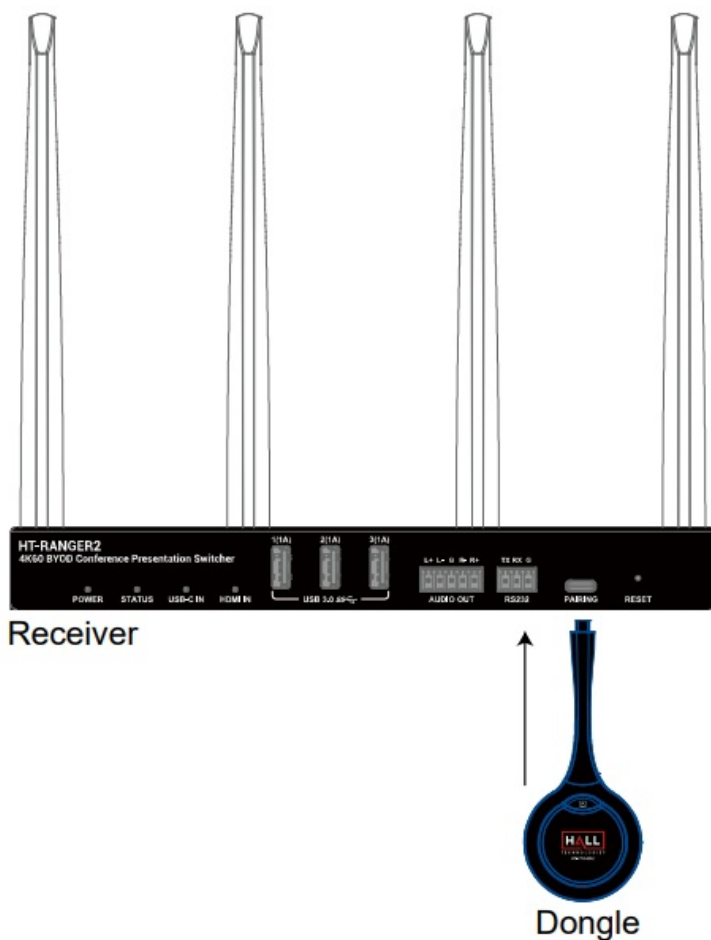
Application

1. Pair the USB dongle with the receiver (take HT-RANGER2 as an example).

Note: More detail operations about the receiver, please refer to its own user manual.

a. Connect the USB dongle to the “Pairing” port of the receiver for pairing. Then “Pairing...” will appear on the display screen connected to the receiver. The dongle's LED will be in marquee status (blue).

b. Once pairing is done, “Pairing Successful” will appear on the display screen. The dongle's LED will be solid on blue.



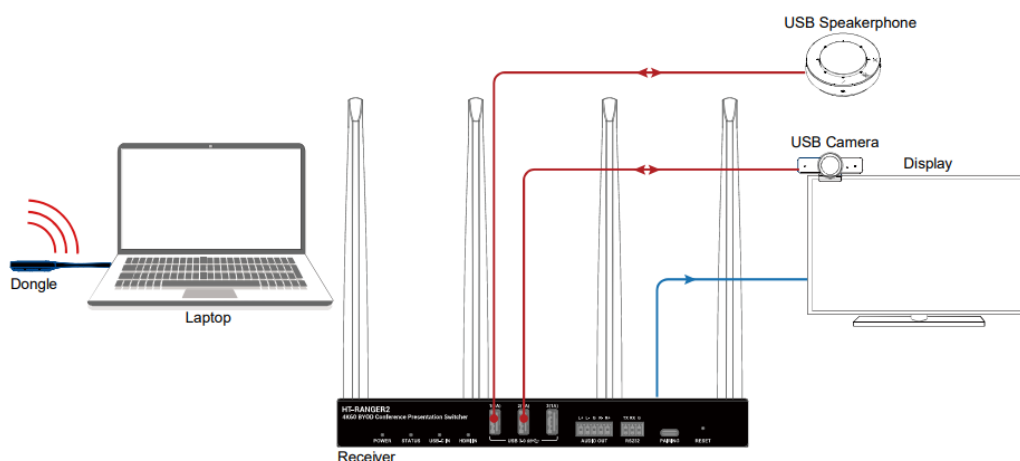
2. Connect the dongle to a laptop.

After the pairing is successful, unplug the dongle from the receiver and connect it to the USB Type-C port of a laptop, it will start running and establishing wireless connection with the receiver. the LED will still solid on blue, and the dongle is ready for sharing.

Note: The USB Type-C port of the laptop the dongle connected must support transmitting video and audio.

3. Casting screen.

Press the button of the dongle once, the laptop's screen will be cast to the display the receiver connected. The LED will light dark blue.



a. Enter full screen mode

When there are multiple screens (including screen projected through the dongle) shown on the sink display, hold press the dongle's button for about 3 seconds, you can have your laptop's screen (cast through this dongle) displayed in full screen.

b. Freeze/unfreeze the screen

In the process of casting screen, press the casting button twice in 1s, the cast screen will be frozen, and the audio cast through the dongle is also paused. A transparent pause icon will appear on the center of the cast screen.

Press the button once again to exit the frozen status. The icon will disappear, and the cast screen will be synchronized with the source device to display.

Note: The freezing function doesn't affect the source device.

c. Disconnect the casting

During the process of casting screen, press the casting button once to disconnect the casting.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and.
2. this device must accept any interference received, including interference that may cause undesired operation.

Fcc Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:


- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

FCC SAR:

For body-worn operation, the device has been tested and meets the FCC RF exposure, the maximum sar value is 0.62W/Kg at 5mm.

Documents / Resources

	<p>HALL TECHNOLOGY HT-VOYAGER2 USB Type C Casting Dongle [pdf]</p> <p>User Guide</p> <p>2A8VX-HT-VOYAGER2, 2A8VXHTVOYAGER2, HT-VOYAGER2 USB Type C Casting Dongle, HT-VOYAGER2, USB Type C Casting Dongle, Casting Dongle, Dongle</p>
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References

- [User Manual](#)

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