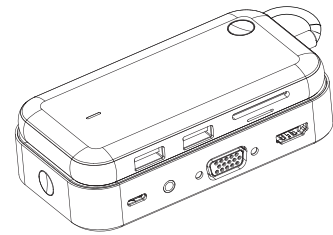# UC3101

USB-C Hub with Wirelss Display
（Transmitter + Receiver）

USB-C multi-function wireless display screen projector is composed of transmitter and receiver, which must be used together with the adapted receiver. The built-in conversion chip of the transmitter converts the DP signal in type-c into MIPI signal and I2S, and encodes the MIPI signal and I2S together into audio and video stream, which is then sent to the adaptive receiver via WiFi using a private protocol. Input devices include mobile phones, tablet computers and laptops that support usb-c interface for video output. Usb-c interface is small in size and supports forward and backward interpolation and data transmission. HDMI/VGA output terminal supports up to 1080P/60HZ video resolution.

Product Parameters

| Specifications	Parameter
Main chip	TX unit: RV1108 RX unit: RK3036
WiFi Working Frequency	2.4G or 5G
Operating System	Linux
DDR	128MB
Flash Memory	16MB
Resolution	1080P
Transmission Speed	1 Mbps
Protocol Standard	802.11a/h/g/n/ac
Interface	HDMI/VGA
Power Supply	5V/2A USB-C interface

Product Features

Transmitter:
1. USB 3.0
   5Gb/s data transfer, downward compatible with USB2.0;
   power supply up to 4.5W Max.
2. SD/TF Card Reader
   Read: 50 - 104MB/s; Write: 30 - 40MB/s；
   affected by card's quality.
3. WiFi supports wireless dual frequency
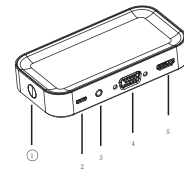   Protocol standard 802.11a/b/g/n/ac

Receiver:
1. HDMI
   1920X1080P/60HZ, downward compatible with
   1080P, 1080I, 720P.
   HDMI and VGA can work together.
2. USB-C
   USB charger or USB port power supply.
3. VGA:
   1920X1080P/60HZ, downward compatible with
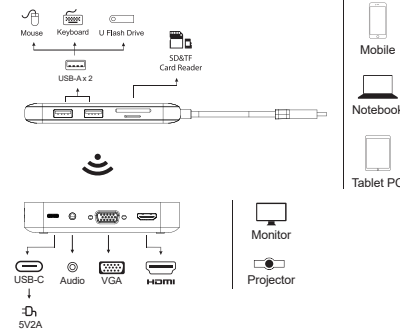   1080P, 1080I, 720P.
4. 3.5mm Audio

Support max transmission distance 10 meters
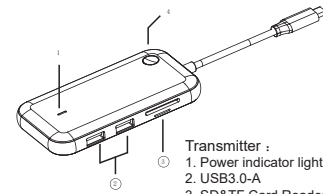
Transmitter ：
1. Power indicator light
2. USB3.0-A
3. SD&TF Card Reader
4. Function key
   Short press: change the screen state(screen/disconnect);
   Long press for 5 seconds: enter matching mode;
   Long press for 10 seconds: restore factory Settings.

Receiver ：
1. Function key
2. USB-C /Power supply port /
3. 3.5mm Audio
4. VGA
5. HDMI

Mouse   Keyboard   U Flash Drive

SD&TF Card Reader

USB-A x 2

Mobile

Notebook

Tablet PC

USB-C   Audio   VGA   HDMI

5V2A

Monitor

Projector

Receiver (UC3101R) connection:

1. Make sure the display is switched to the corresponding HDMI/VGA mode before use

2. Insert the HDMI and VGA M/M cable into the display HDMI input port and connect one end to the product

3. Plug the charger or USB power supply through the usb-c interface

4. At this point, there will be a user interface display on the monitor, and the screen can be automatically cast after waiting for the transmitter to work

Transmitter (UC3101T) connection:

1. Plug usb-c /M into the usb-c output port of the phone/tablet/laptop (the phone/computer should support video output)

2. Insert the usb drive into usb3.0a /F to connect the usb drive data

3. Insert SD/TF into the card holder to realize data connection

4. Make sure that the PIN PIN in the product does not sag or bend during use, so as not to affect the insertion

5. Please pay attention not to splash liquid into the connector, so as not to affect its performance

6. The product should be placed in a dry place, not in a wet environment

F&Q

a. Why is there no video output?

1. Pls check the connection is good.
2. Pls use standard HDMI or VGA cable.
3. The automatic screen casting link will take about 10 seconds, please wait patiently.
4. Mobile phone/computer supports video output
5. The default of the factory is that it is matched. If there is no problem with the above four points, Please re-pair and reuse

b. Why is there no audio output from HDMI port?

1. Pls make sure that there is audio output function on the monitor.
2. Pls set the external monitor as default audio output device.

C. How to use the products in pairs?

1. After the receiver is powered, press 5 seconds to enter the matching mode. At this point, the screen display switches to waiting for pairing...
2. After the emitter is inserted into the device for 20 seconds, long press 5 seconds to enter the matching mode
3. When the receiver and transmitter enter the matching mode at the same time, it will automatically match. The matching time is about 5-15 seconds
4. After the pairing is successful, the screen will automatically switch to the normal projection mode

Operation is limited to indoor use within the band 5150-5350 MHz

Warning：

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.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: 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.
NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20Cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with   any other antenna or transmitter