Getting Started Guide & FAQs of Cosmo C2

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Getting Started

1 Installation

1. The transmitter has a red label and the receiver has a blue label.
2. Connect the transmitter to the video resource through an HDMI cable.
3. Power the device with a DC adaptor or NPF-battery.
4. Install the receiver 1.7m above the ground.
5. Please install the antenna vertically above the ground.

2 Multi Sets Installation

- Up to 3 sets of Cosmo C2 can be used in the same situation.
- Choose different channels with at least two channels between each Cosmo C2 set.
- Place the receivers at least 0.5m away from each other.
- Place all receivers 1.7m above the ground.
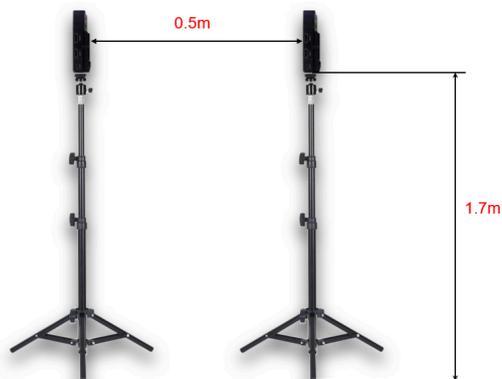
3 Channel Scanning

Only the receiver has the "scan channel" function. Long press the middle button for 3 seconds to enter the menu.Use the left and right buttons to select the functions and the middle button to confirm.
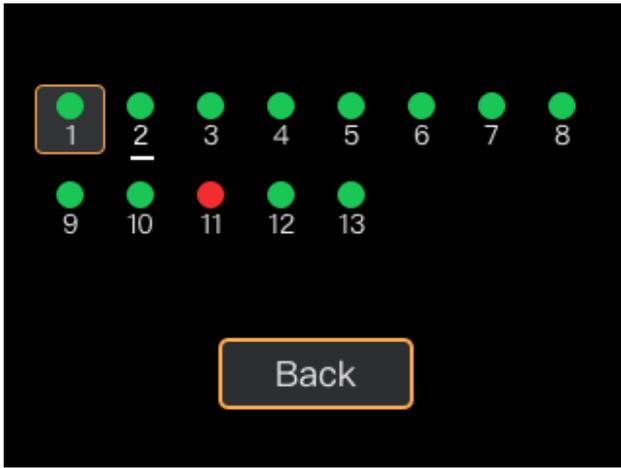
FAQ

1 What are the differences between Cosmo C2 and Cosmo C1?

1.1 What are the Parameter differences?

	Cosmo C2	Cosmo C1
Latency	33ms	40ms
Distance	1000m	300m
TX&RX	2TX&1RX	1TX&1 RX
Stream	UVC,RTMP,NDI	UVC
UVC	2 videos source	1 video source

1.2 How to use the Frozen Frame Function of the Cosmo C2?

1. Long press the middle button of the receiver to enter the menu.
2. Select "Frozen Frame".
3. Select "ON".

Cosmo C2 also support custom images, you can import your own image to the receiver.

The picture has to be: 1920*1080, JPG and size under 1M.The name of the picture must be "logo.jpg".

1. Prepare a USB disk, FAT 32,less than 32GB memory and put the picture in the root directory.
2. Turn on the receiver and insert the disk into the receiver's USB-C port.
3. Restart the receiver.
4. Turn off the "Frozen Frame" function.
5. When the receiver does not get the video source,it will show the picture you input before.

1.3 How to use the NDI Function of the Cosmo C2?

1. Use a standard CAT 5e or above cable to connect the Cosmo C2 receiver to the switch of the LAN.

2. Observe the image transmission receiver: the network status appears (spherical icon).

3. Long press the middle button of the receiver to enter the menu, select the "Streaming" function, and then select the "NDI".
4. Use a device that supports the NDI function to connect to the same LAN to capture the video source of the receiver.For example,in OBS you will see 2 video sources.
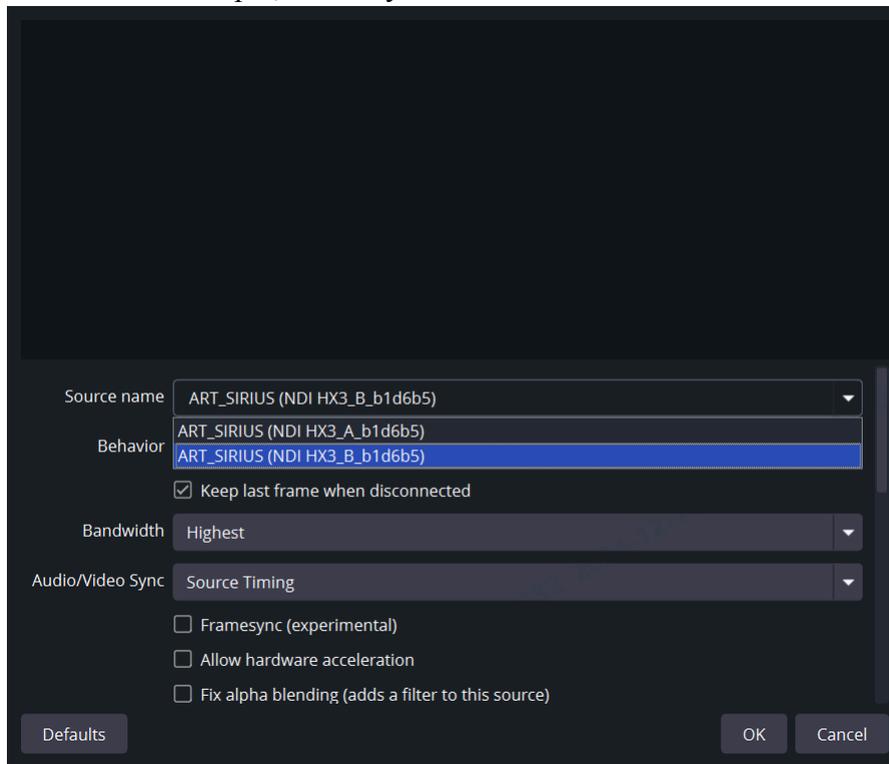
1.4 How to use the UVC Function of the Cosmo C2?

1. Use a USB-A to USB-C data cable or USB-C to USB-C cable to connect the receiver to the computer.

2. Long press the middle button of the receiver to enter the menu, select the "Streaming" function, and select the "UVC" .

3. Open OBS and other live broadcast software to capture the video.For example, in OBS, add a video capture device and select 'Device: UVC_A_xxxxxx' or 'UVC_B_xxxxxx'.
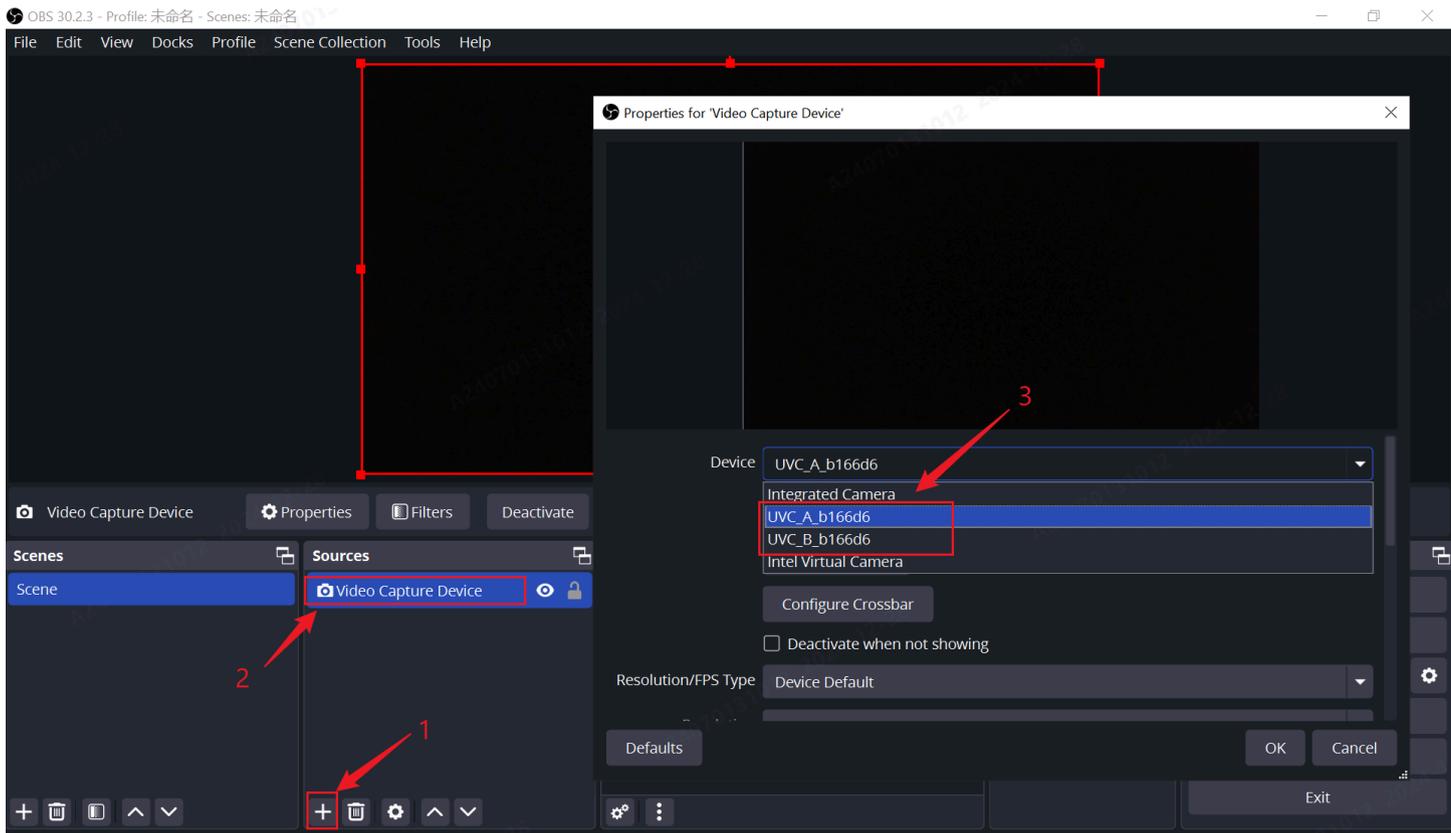
PS: Cosmo C2 UVC supports up to 1080P60, and the video format is MJPEG.

1.5 How to use the RTMP Function of the Cosmo C2？

1. Use an Internet-connected network cable to connect to the RJ45 of the Cosmo C2 receiver.
2. Check if the receiver enters the network status (spherical icon).

3. Long press the middle button of the receiver to enter the menu, select the "Streaming" function, and then select the "RTMP".
4. Back to the menu, select the "Web Information" function, and then you can view the receiver's Web address.
5. Use a computer with Internet access to connect to the same LAN as the receiver, open the computer browser, fill in the receiver's Web address viewed in step 4, and after confirmation, you can open the Web page that sets the streaming address and key.

RTMP Streaming

TX-A
* RTMP Streaming Address
Please enter the streaming address

Key
Please enter the key

Start Streaming

TX-B
* RTMP Streaming Address
Please enter the streaming address

Key
Please enter the key

Start Streaming

Device Channel

Current Channel   5   Start Scanning Channels

6. After entering the streaming address and key from the live broadcast platform, click "Start Streaming" to stream.

RTMP Streaming

TX-A
* RTMP Streaming Address
Please enter the streaming address

Key
Please enter the key

Start Streaming

TX-B
* RTMP Streaming Address
Please enter the streaming address

Key
Please enter the key

Start Streaming

Device Channel

Current Channel   5   Start Scanning Channels

PS: When streaming is normal, the network status of the Cosmo C2 receiver will change from spherical icon to green arrow.

The web page also allows channel scanning and channel switching.

1.6 What is the FPS Booster Function of the Cosmo C2?

After turning on the FPS Booster function, a "60p"icon will display on the receiver's screen. When the transmitter inputs low frame rate signals such as P24/P25/P30, the receiver can convert it into P60 signal output, and the picture smoothness is consistent with P60.
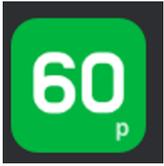
2 Power supply

2.1 What types of batteries are supported for Cosmo C2?

TX:Use the SONY NP-F series battery to power the device such as F970, F750 and F550. You can also use the V-mount battery when you have a D-Tap to DC cable.
RX:The receiver has a V-mount battery plate; you can power it via V-mount battery.

2.2 Does the Cosmo C2 support USB-C for powering the device?
Not support

2.3 Does it support the use of a DC adapter to power the device?
The device supports power supply through the DC adapter with a voltage input from 6-16V.

2.4 Why does the device show battery voltage instead of battery percentage?
Due to the wide variety of brands and models of NP-F batteries on the market, each with different capacities and discharge curves, external devices are unable to accurately detect the remaining battery capacity. Voltage, however, provides a more accurate indicator of the remaining battery life.

3 Common

3.1 How to pair the transmitter to the receiver manually?
1.   Long press the side button of the transmitter to enter the menu;Long press the middle button of the receiver to enter the menu.
2.   Select "Pairing" on both the transmitter and receiver, then confirm.
3.   Wait for pairing to complete.
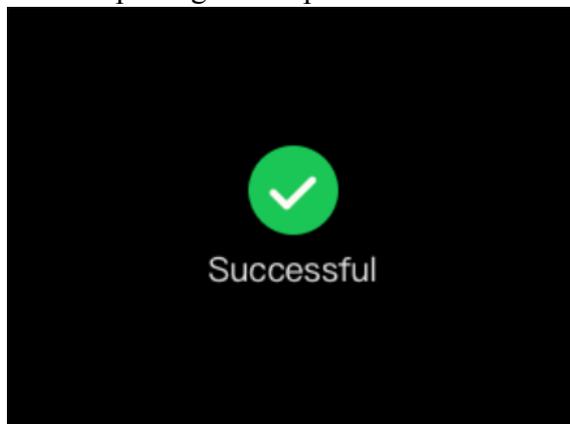
PS:The Cosmo C2 supports only 2 transmitters and 1 receiver. The first transmitter paired with the receiver is TX A, and the second transmitter is TX B.

3.2 How to change the channel or use the auto frequency hopping?

Swip down or up the side button of the TX can change the channel(swip down channel -,swip up channel +).
Use the left or right button of the RX can change the channel(left button channel -,right button channel +).
When the channel set in Auto,confirm the setting,when the product meet some interterence,it will change the channel automatically.

3.3 How to change the fan mode?
1.   Long press the side button of the TX to enter the menu;Long press the middle button of the RX to enter the menu.
2.   Find the Fan,there are 2 modes:auto and mute.

Auto: The device automatically adjusts the speed of the fan according to its temperature (noise up to 55dB).
Low: The fan speed is reduced to a minimum (45dB), and the temperature of the device will be slightly higher.

3.4 Is the Cosmo C2 compatible with Mars or Pyro series?

Cosmo C2 is not compatible with Mars or Pyro series.

3.5 Is the Cosmo C2 compatible with Cosmo C1?

Cosmo C2 is not compatible with Cosmo C1.