



Cosmo C2

User Manual

V1.0

Foreword

Thank you for choosing the Cosmo C2 wireless high-definition video transmission system. The product adopts Hollyland's latest self-developed HEVO 2.0 wireless transmission technology, achieving seamless switching between frequency points and ultra-low latency video transmission.



Scan the QR code to get more
details of the User Manual

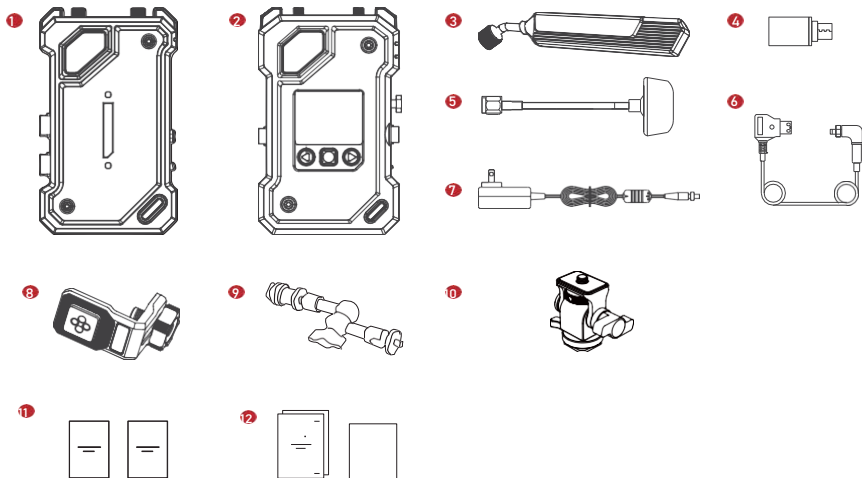
Key Features

■ Key Features

- Supports one receiver connected to up to two transmitters
- The latest self-developed HEVO 2.0 wireless transmission technology provides ultra-high stability and Seamless frequency hopping
- Ultra-low latency, as low as 33ms (1080P60 *)
- Supports 3280ft(1000m) wireless transmission range
- Transmitter supports HDMI IN, SDI IN, and SDI LOOP OUT
- Receiver supports HDMI OUT A, SDI OUT A, HDMI OUT B, and SDI OUT B
- HDMI/SDI port supports 1080P60 input and output
- HDMI/SDI port supports fractional frame rate input and output
- Supports dual UVC streaming outputs (1080P60) on the receiver (Dual-stream capture is not supported on macOS)
- Receiver's Ethernet port supports NDI transmission protocol and RTMP streaming
- Supports low-frame-rate conversion output on the receiver (Signals like P24/P25 can be converted to P60 output, with the same latency as P60 output)
- Supports multiple power supply options: DC power adapter (locking) + NP-F batteries for the transmitter, DC power adapter (locking) + V-Mount batteries plate for the receiver
- Supports point-to-point pairing

Note: The related data is based on Hollyland laboratory test results.

Configuration



Configuration

SKU	2 TX & 1 RX	1 TX & 1 RX	1 TX
① Transmitter (TX)	2	1	1
② Receiver (RX)	1	1	-
③ Blade Antenna	6	4	2
④ USB-C OTG Adapter	1	1	1
⑤ Mushroom Antenna	6	4	2
⑥ D-tap to DC Cable (locking)	-	-	-
⑦ DC Power Adapter	1	1	-
⑧ Screw Fitting for Stabilizer	-	-	-
⑨ Magic Arm (5-inch)	-	-	-
🌀 Rotatable Cold Shoe Mount	-	-	-
📄 Warranty Card & Compliance Information	1	1	1
📄 Quick Guide & Packing List Card	1	1	1

Note:

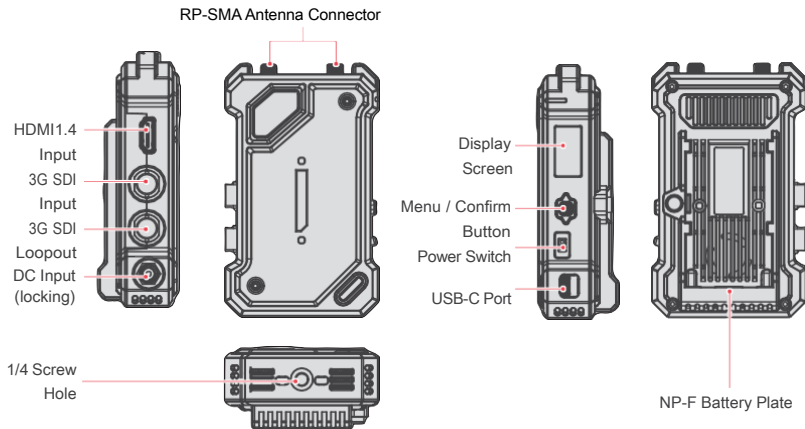
1. The quantity and appearance of items depend on the product configuration, the actual packing list card shall prevail.

Configuration

2. You can buy the above mentioned accessories separately from the Hollyland's official website if necessary.

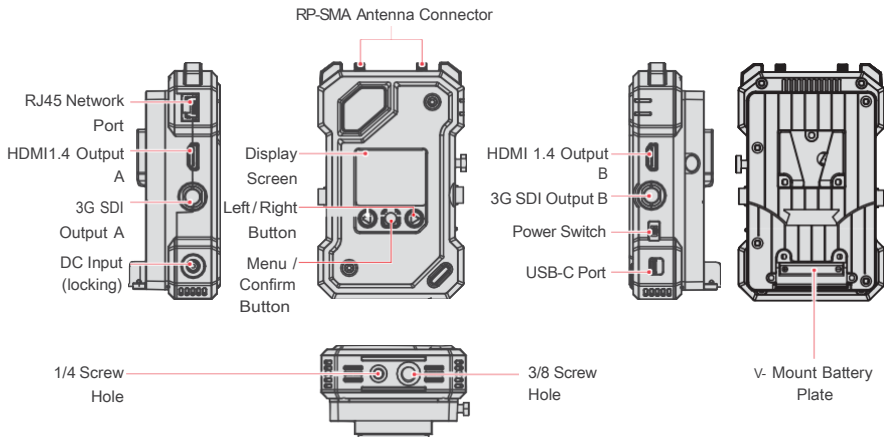
Overview

Transmitter



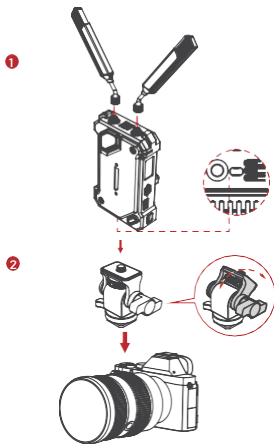
Overview

Receiver

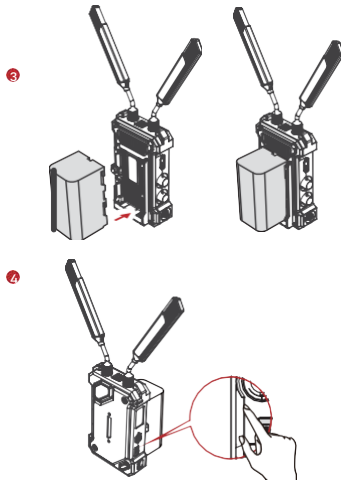


Installation

■ Transmitter



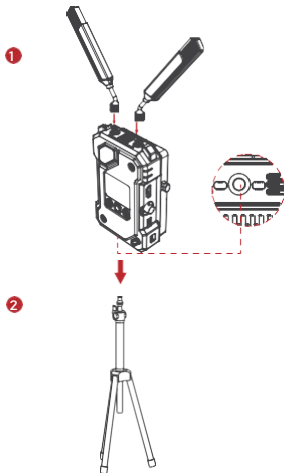
1. Install the antennas as shown in the diagram.
2. Mount the transmitter to the camera using the magic arm, rotatable cold shoe mount or other accessories.



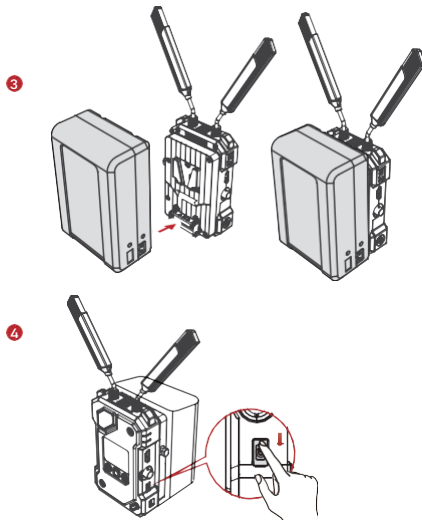
3. Install the battery (Support NP-F batteries or DC power adapter)
4. Toggle the power switch downward to turn on the transmitter.

Installation

Receiver

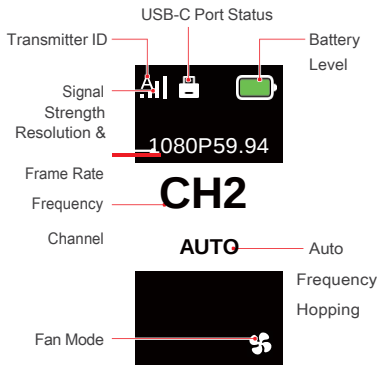


1. Install the antennas as shown in the diagram
2. Mount the receiver on the tripod using the 1/4 screw hole or 3/8 screw hole at the bottom.

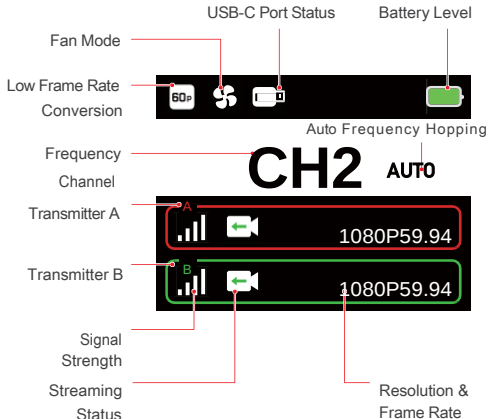


3. Install the battery (Support V-Mount battery or DC power adapter).
4. Toggle the power switch downward to turn on the receiver.

Transmitter



Receiver



Press and hold the menu button for 3 seconds to enter the menu interface. Use the up and down buttons to switch between menu options, and press the menu button to confirm your selection.

■ TX Indicator Lights

	Red light steady		Unpaired / Signal Lost
	Red light flashing slowly		Battery is below 15% (approximately 30 minutes of usage remaining)
	Red light flashing		Battery is below 5% (approximately 10 minutes of usage remaining)
	Green light steady		Successfully paired and signal is stable

■ RX Indicator Lights

	Red light steady		Unpaired / Signal Lost
	Red light flashing slowly		Battery is below 15% (approximately 30 minutes of usage remaining) — both lights will flash
	Red light flashing		Battery is below 5% (approximately 10 minutes of usage remaining) — both lights will flash
	Green light steady		Successfully paired and signal is stable (top light for Transmitter A, bottom light for Transmitter B).

■ Transmitter Functions Description



Pairing

Click to enter pairing mode, and the receiver must also enter pairing mode for successful pairing.



Fan Settings

Select different fan modes based on varying cooling requirements.



System Settings

View system-related setting information.



Language Switch

Switch between Chinese and English.



Version Information

Check the software and hardware version of the system.



Reset

Resets to default settings.

■ Receiver Function Description



Pairing

Click to enter pairing mode, and the receiver must also enter pairing mode for successful pairing.



Frequency Scanning

After scanning, you can select high-quality frequency channel by pressing buttons or activate the adaptivity function.



Fan Settings

You can select different fan modes based on varying cooling requirements.



Low Frame Rate Conversion

The RX will convert incoming low frame rate signals, such as P24, P25, or P30, into P60 to reduce transmission latency.



Streaming

Choose different streaming methods based on your needs, which will provide you with varying performance experiences.

Note: Activating the streaming mode will impact the latency of regular video transmission.



Web Information

View the device's IP address.



Return



System Settings

View system-related setting information.



Frozen Frame

Controls whether the last frame after a transmission interruption is the final frame from the signal source.



Language Switch

Switch between Chinese and English.



Version Information

Check the software and hardware version of the system.



Reset

Resets to default settings.

■ Customize Frozen Frame

To customize the frozen frame, the following conditions must be met:

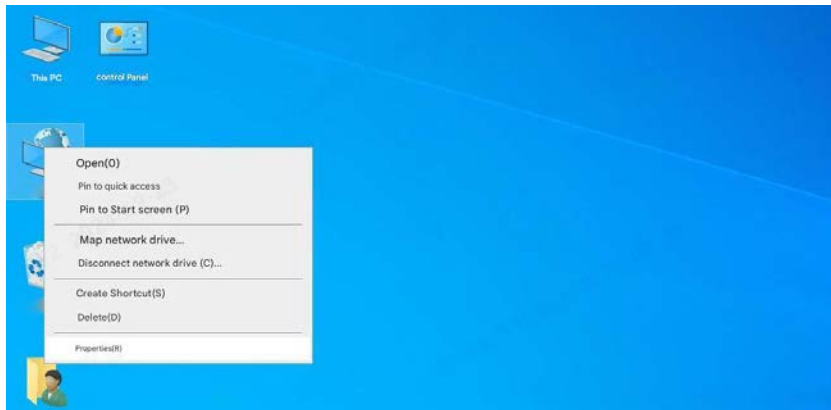
1. Image Format: JPG
2. Resolution: 1920 x 1080
3. Image Name: logo.JPG
4. Size: Within 1MB

Import the image that meets the above conditions into the root directory of the USB drive. Insert the USB drive into the receiver while it is powered on and wait for it to load.

Gateway Settings (Using a switch can achieve the same effect)

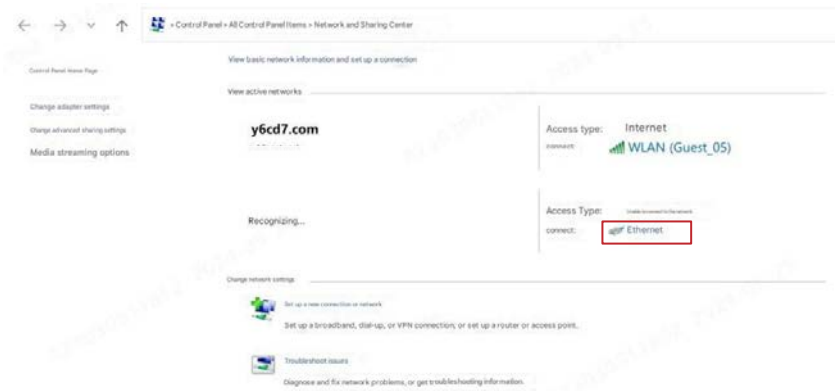
■ Operation Guide

1. Connect the receiver to the computer using an Ethernet cable.
2. Right-click on the "Network" and select "Settings."



Product Usage

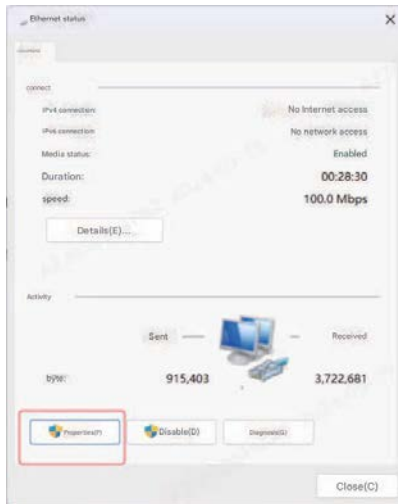
3. Click on "Ethernet."



Product Usage

4. Click on "Properties".

5. Click on "Internet Protocol Version 4 (TCP/IPv4)," then click on "Properties."



(3)



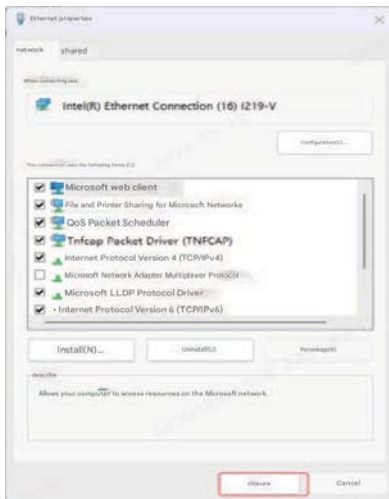
(4)

Product Usage

- Choose "Use the following IP address," input the IP address, subnet mask, and default gateway as shown in the receiver's Web information to ensure they are on the same network, then click "OK"
- Click "Close."



(3)



(4)

RTMP Streaming – 4G LTE Wi-Fi Modem

■ Operation Guide

1. Connect the device.
2. Connect the receiver to the computer using an Ethernet cable, ensuring that the computer and receiver are on the same gateway (for details, refer to Gateway Settings).
3. Connect a 4G LTE Wi-Fi modem capable of internet connectivity to the transmission receiver using an OTG adapter.
4. Check for any changes at the corresponding USB-C icon:



Network Connected

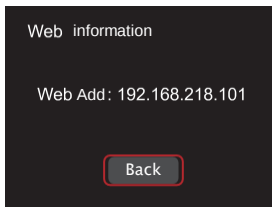


Streaming



Streaming Interrupted

5. Access the Web Information interface through the receiver to view the IP address.
6. Open a browser on a PC or mobile device and enter the receiver's IP address.



Web Information

Product Usage

7. After entering the page, input the streaming URL and key for the live streaming platform to start streaming.

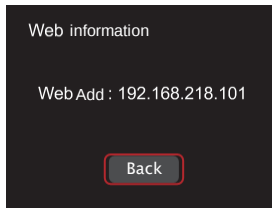
The screenshot shows a web browser window with the address bar displaying "192.168.218.101/index.html". The page features the HOLLYLAND logo and a "Settings" button. The main content area is titled "Device RTMP streaming" and contains three configuration sections:

- TX-A:** Includes a text field for "RTMP streaming address" (containing "hollyland.videonet555"), a text field for "Key" (with the placeholder "Please enter key"), and an orange "Start streaming" button.
- TX-B:** Includes a text field for "RTMP streaming address" (containing "hollyland.videonet555"), a text field for "Key" (with the placeholder "Please enter the key"), and an orange "Start streaming" button.
- Equipment frequency:** Includes a dropdown menu for "Current frequency" (set to "7") and an orange "Set done" button.

RTMP Streaming – Local Area Network

■ Operation Guide

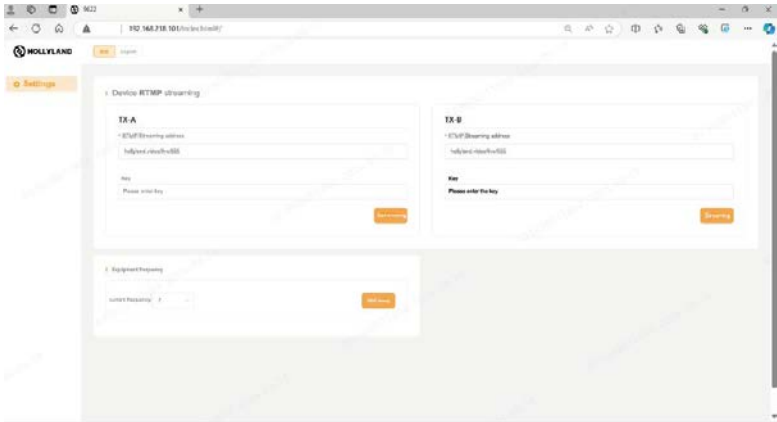
1. Connect the device.
2. Connect the receiver to the internet or router using an Ethernet cable.
3. Access the Web Information through the receiver to view the IP address.
4. Ensure the PC or mobile device is connected to the same local area network segment as the receiver via Ethernet or Wi-Fi.
5. Open a browser on the PC or mobile device and enter the receiver's IP address.



Web Information

Product Usage

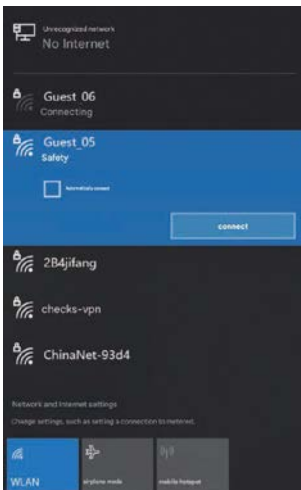
6. After entering the page, input the streaming URL and key for the live streaming platform to start streaming.



NDI Streaming (Using OBS as an Example)

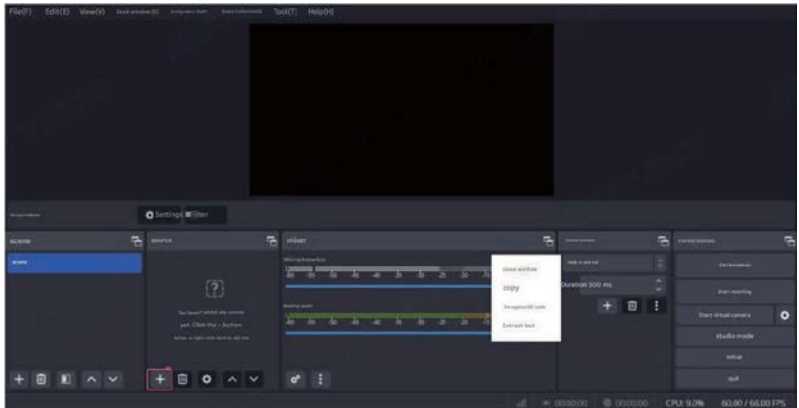
■ Operation Guide

1. Keep the computer and the receiver on the same gateway (for details, refer to Gateway Settings).
2. Disconnect the network.



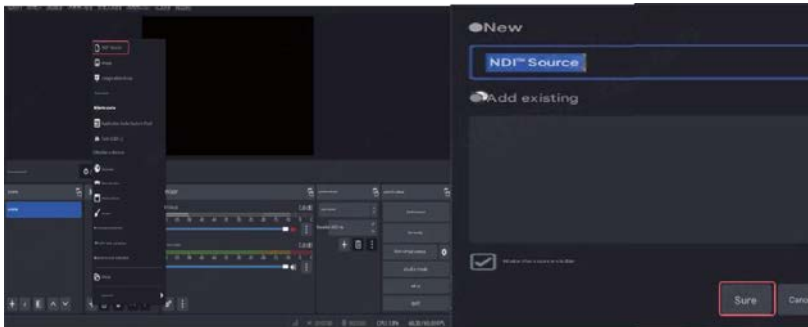
Product Usage

3. Open the OBS software with the installed OBS-NDI.
4. Click to add a video source.



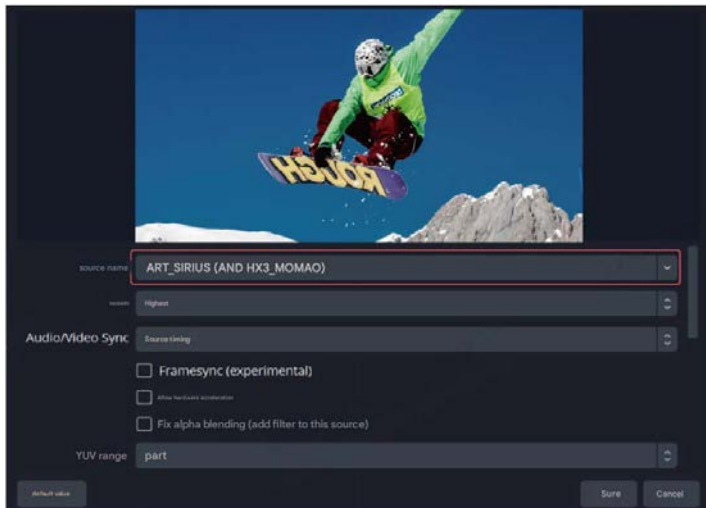
Product Usage

5. Add NDI source and confirm.



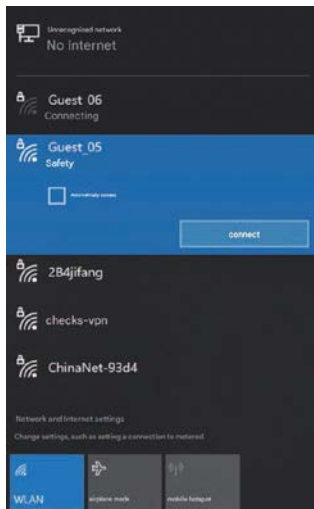
Product Usage

6. Select the corresponding video source and confirm.



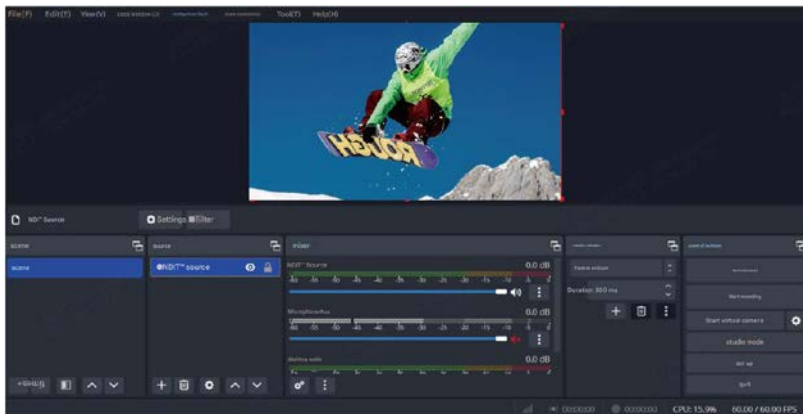
Product Usage

7. Connect the Internet.



Product Usage

8. Start streaming.



Specifications

	Transmitter	Receiver
Port	DC Input: 2.0mm Core Socket HDMI Input: HDMI 1.4b SDI Input: 3G SDI SDI Loopout: 3G SDI USB-C: USB 2.0 OTG Antenna: RP-SMA Male	DC Input: 2.0mm Core Socket HDMI Output: HDMI 1.4b × 2 SDI Output: 3G SDI × 2 USB-C: USB 2.0 OTG Antenna: RP-SMA Male Ethernet Port: RJ45, 100 Mbps
Power Supply	NP-F Battery Voltage Range: 6.8 - 8.4V DC Voltage Range: 6 - 16V	V-Mount Battery Voltage Range: 6-24VDC Voltage Range: 6 - 16V
Power Consumption	<10W	<11W
Net Weight	210g	440g
Dimensions (L × W × H)	114.8 × 69 × 35.5mm (4.5 × 2.7 × 1.4")	142 × 87.2 × 33.2mm (5.6 × 3.4 × 1.3")
Operating Frequency	5185-5225GHz, 5760-5820GHz	
Transmit Power(CE Only)	5185-5225GHz:18.27dBm 5760-5820GHz:10.99dBm	5185-5225GHz:20.11dBm 5760-5820GHz:12.87dBm
Receiver Sensitivity	/	-90 dBm
Latency	≤ 40ms	
Bandwidth	40MHz(CE),40MHz(FCC)	20MHz(CE),5MHz(FCC)

Specifications

HDMI Input	HDMI Output	SDI Output
720p50/59.94/60	720p50/59.94/60	720p50/59.94/60
1080i50/59.94/60	1080i50/59.94/60	1080i50/59.94/60
1080p23.98/24/25/29.97/30	1080p23.98/24/25/29.97/30	1080p23.98/24/25/29.97/30
1080p50/59.94/60	1080p50/59.94/60	1080p50/59.94/60

SDI Input	HDMI Output	SDI Loopout /Output
720p50/59.94/60	720p50/59.94/60	720p50/59.94/60
1080i50/59.94/60	1080i50/59.94/60	1080i50/59.94/60
1080p23.98/24/25/29.97/30	1080p23.98/24/25/29.97/30	1080p23.98/24/25/29.97/30
1080p50/59.94/60	1080p50/59.94/60	1080p50/59.94/60

Note: Due to differences in various countries and regions, there may be variations in the operating frequency band and wireless transmit power of the product. For details, please refer to local laws and regulations.

Support

If you encounter any problems in using the product or need any help, please contact Hollyland Support Team via the following ways:



Hollyland User Group



HollylandTech



HollylandTech



support@hollyland.com



HollylandTech



www.hollyland.com

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Note:

Due to product version upgrades or other reasons, this User Manual will be updated from time to time. Unless otherwise agreed, this document is provided as a guide for use only. All representations, information, and recommendations in this document do not constitute warranties of any kind, express or implied.

HOLLYVIEW

Manufacturer: Shenzhen Hollyland Technology Co., Ltd
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Road, Shiyan Street, Baoan District, Shenzhen, 518108, China

MADE IN CHINA



Compliance Information

[EN] CE Compliance Notice :



• EU Declaration of Conformity

Hollyland hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2011/65/EU and (EU)2015/863.

The original EU declaration of conformity may be found at www.hollyland.com.

• National restrictions

This device may be used in all member states of the EU and North Ireland and operation of 5150-5250MHz is restricted to indoor use only

	AT	BE	BG	CH	CY	CZ	DE
	DK	EE	EL	ES	FI	FR	HR
	HU	IE	IS	IT	LI	LT	LU
	LV	MT	NL	NO	PL	PT	RO
	SE	SI	SK	TR	UK(NI)		

[DE] CE-Konformitätshinweis:

• EU-Konformitätserklärung

Hollyland erklärt hiermit, dass das Gerät mit den grundlegenden Anforderungen und anderen relevanten Bestimmungen der Richtlinien 2014/53/EU, 2011/65/EU und (EU)2015/863 konform ist.

Das Original der EU-Konformitätserklärung finden Sie unter www.hollyland.com.

• Nationale Beschränkungen

Dieses Gerät darf in allen Mitgliedsstaaten der EU und Nordirland verwendet werden.

[FR] Avis de conformité CE :

• Déclaration de conformité de l'UE

Hollyland déclare par la présente que l'appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes des directives 2014/53/UE, 2011/65/UE et (UE)2015/863.

La déclaration de conformité originale de l'UE peut être consultée à l'adresse suivante: www.hollyland.com.

• Restrictions nationales

Cet appareil peut être utilisé dans tous les États membres de l'UE et en Irlande du Nord.

[ES] Aviso de conformidad CE:

• Declaración EU de conformidad

Hollyland declara por la presente que el dispositivo cumple los requisitos esenciales y otras disposiciones pertinentes de las directivas 2014/53/UE, 2011/65/UE y (UE) 2015/863.

Puede encontrar la declaración EU de conformidad original en www.hollyland.com.

• Restricciones nacionales

Este dispositivo se puede usar en todos los estados miembros de la UE e Irlanda del Norte.

[IT] Avviso di conformità CE:

• Dichiarazione di conformità UE

Hollyland con la presente dichiara che il dispositivo è conforme ai requisiti essenziali e alle altre disposizioni pertinenti delle direttive 2014/53/UE, 2011/65/UE e (UE) 2015/863.

La dichiarazione di conformità UE originale è disponibile sul sito www.hollyland.com.

• Restrizioni nazionali

Questo dispositivo può essere utilizzato in tutti gli stati membri dell'UE e nell'Irlanda del Nord.

[PT] Aviso de conformidade da CE:

• Declaração de conformidade da UE

Por este documento, a Hollyland declara que o dispositivo está em conformidade com os requisitos principais e outras disposições relevantes das diretivas 2014/53/EU, 2011/65/EU e (EU)2015/863.

A declaração original de conformidade da UE pode ser encontrada em www.hollyland.com.

• Restrições nacionais

Este dispositivo pode ser usado em todos os estados-membros da UE e Irlanda do Norte.

UK Compliance Notice:

• UK Declaration of Conformity

Hollyland hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UK declaration of conformity may be found at www.hol-lyland.com.

• National restrictions

This device may only be used indoors in Great Britain.



RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The device complies with RF specifications when the device is used at 20 cm from your body.

[EN] RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled

pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give this product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

[DE] RECYCLING

Dieses Produkt ist mit dem Symbol für die selektive Sortierung von Elektro- und Elektronik-Altgeräten (WEEE) gekennzeichnet. Dies bedeutet, dass dieses Produkt gemäß der europäischen Richtlinie 2012/19/EU recycelt oder demontiert werden sollte, um seine Auswirkungen auf die Umwelt zu minimieren. Der Benutzer kann sich entscheiden, sein Produkt bei einer kompetenten Recycling-Organisation oder beim Händler beim Kauf eines neuen elektrischen oder elektronischen Geräts abzugeben.

[FR] RECYCLAGE

Ce produit porte le symbole de tri sélectif des déchets d'équipements électriques et électroniques (DEEE). Cela signifie que ce produit doit être traité conformément à la directive européenne 2012/19/EU afin d'être recyclé ou démonté pour minimiser son impact sur l'environnement. L'utilisateur a le choix entre donner son produit à un organisme de recyclage compétent ou au détaillant lorsqu'il achète un nouvel équipement électrique ou électronique.

[IT] RECICLAJE

Este producto lleva el símbolo de clasificación selectiva de residuos de aparatos eléctricos y electrónicos (RAEE). Esto significa que este producto debe manipularse conforme a la directiva europea 2012/19/UE para reciclarlo o desmontarlo con el fin de minimizar su impacto en el medioambiente. El usuario tiene la opción de entregar su producto a una organización de reciclado competente o al minorista cuando compra un nuevo aparato eléctrico o electrónico.

[ES] RICICLO

Questo prodotto reca il simbolo della raccolta differenziata per i rifiuti di apparecchiature elettriche ed elettroniche(RAEE). Ciò significa che questo prodotto deve essere riciclato o disassemblato in conformità alla Direttiva europea 2012/19/UE per ridurne al minimo l'impatto sull'ambiente. L'utente ha la possibilità di consegnare il proprio prodotto a un'organizzazione competente in materia di riciclaggio o al rivenditore nel momento in cui acquista una nuova apparecchiatura elettrica o elettronica.

[PT] RECICLAGEM

Este produto traz o símbolo de separação seletiva para Resíduos de Equipamentos Elétricos e Eletrônicos (WEEE). Isto significa que este produto deve ser manuseado de acordo com a diretiva europeia 2012/19/EU para ser reciclado ou desmontado para minimizar seu impacto no ambiente. O usuário pode entregar este produto a uma empresa de reciclagem competente ou ao revendedor ao comprar um novo equipamento elétrico ou eletrônico.



FCC Compliance Notice :



FCC ID: 2ADZC-9622T

FCC ID: 2ADZC-9622R

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 to this unit 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Compliance Notice :

CAN ICES-003(B)/NMB-003(B)

IC : 29803-9622T HVIN : 9622T

IC : 29803-9622R HVIN : 9622R

- This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
 - (1) This device may not cause interference.
 - (2) This device must accept any interference, including interference that may cause undesired operation of the device.
- L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
 - (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- This equipment complies with ISSED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- Cet équipement est conforme aux limites d'exposition aux rayonnements ISSED établies pour un environnement non contrôlé. L'utilisateur final doit suivre les instructions spécifiques pour satisfaire les normes. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et n'importe quelle partie de votre corps. Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou émetteur.

- For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5150-5250 MHz and 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limit as appropriate.
- Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5150-5250 MHz et 5725-5850 MHz doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

5150-5250 MHz for indoor use only.

Le fonctionnement de 5150-5250 MHz est limité à une utilisation en intérieur uniquement.

This radio transmitter [IC: 29803-9622T & IC: 29803-9622R] have been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Cet émetteur radio [IC: 29803-9622T & IC: 29803-9622R] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antennes répertoriés ci-dessous, avec le gain maximum autorisé indiqué. Les types d'antennes non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type répertorié sont strictement interdits pour une utilisation avec cet appareil.

Type	Antenna Gain	Impedance	Frequency Range
Blade	5.45dBi	50Ω	5150-5250MHz
Antenna	4.34dBi	50Ω	5725-5850MHz
Mushroom	3.31dBi	50Ω	5150-5250MHz
Antenna	3.14dBi	50Ω	5725-5850MHz

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Vous êtes responsable de remettre tous les appareils électriques et électroniques usagés à des points de collecte correspondants.

Pour en savoir plus:

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