HOLLYLAND

Pyro 5

Quick Guide

V1.0

Foreword

Thank you for choosing the Pyro 5 wireless high-definition video transmission system. This product features a 5.5-inch 1500nit high-brightness screen, the latest image codec technology, and 5G & 2.4G wireless transmission technology. It also incorporates camera control and proxy recording functions, allowing direct camera operation through the screen. It is suitable for various scenarios, including promotional videos, short films, short videos, TVC shooting, and other market segments.

EN Please read this Quick Guide carefully. We wish you a pleasant experience. To obtain Quick Guide informa-tion in other languages, please scan the QR code below.

DE Bitte lesen Sie diese Kurzanleitung gründlich. Wir wünschen Ihnen ein angenehmes Erlebnis. Für die Kurzanleitung in einer anderen Sprache scannen Sie bitte den folgenden QR-Code.

ES Lea atentamente esta Guía rápida. Le deseamos una agradable experiencia. Para obtener información de la Guía rápida en otros idiomas, escanee el código QR que aparece a continuación.

FR Veuillez lire attentivement ce guide rapide. Nous espérons que votre expérience sera des plus agréables. Pour obtenir des informations sur le guide rapide dans d'autres langues, veuillez scanner le code QR ci-dessous.

IT Leggi questa Guida introduttiva rapida. Ti auguriamo un'esperienza piacevole. Per ottenere informazioni sulla Guida introduttiva rapida in altre lingue, scansiona il codice QR qui sotto.

PT Leia este Guia Rápido com cuidado. Desejamos que você tenha uma experiência agradável. Para obter informações do Guia Rápido em outros idiomas, digitalize o código QR abaixo.

TC 請仔細閱讀本快速指南。我們祝您體驗愉快。若要取得其他語言的快速指南資訊，請掃描下面的 QR 碼。

Foreword

KR 이 빠른 가이드를 주의 깊게 읽으십시오. 즐거운 경험 되시길 바랍니다. 빠른 가이드 정보를 다른 언어로 알아보려면 아래 QR 코드를 스캔하십시오.

JP クイックガイドを熟読してください。ご体験をお楽しみください。他の言語でクイックガイド情報を取得するには、以下のQRコードをスキャンしてください。

Key Features

- All-in-one solution integrates transmitter, receiver, and monitor functionalities.
- In Broadcast mode, one transmitter can connect to up to four receivers for monitoring. In Non-Broadcast mode, it supports up to four receivers for monitoring.
- Wireless transmission on 2.4 GHz and 5 GHz frequency bands.
- Minimum latency of 60ms* in an interference-free environment (1080p60).
- 1,300ft (400m)* LOS range (1 TX + 2 RX)
- Supports proxy recording.
- Supports the analysis and import of 3D LUT.
- In TX mode, it supports HDMI (1080P) input and loop-out, SDI (1080P) input, and streaming.
- In RX mode, it supports HDMI (1080P) output.
- Flexible power supply options, including DC (locking) and NP-F batteries.
- Supports auto frequency hopping. A clear frequency channel is automatically chosen upon power-on.
- Extended battery life when working as a monitor with Wi-Fi transmission disabled.
- Camera Control
- Professional image analysis functions (Luma waveform, RGB Waveform, Vectorscope, Histogram)
- Various monitoring assist functions (Zebra Pattern, Focus Assist, False Color, Aspect Mark, Anamorphic, Crosshatch)

* The related data is based on Hollyland laboratory test results.

Configuration

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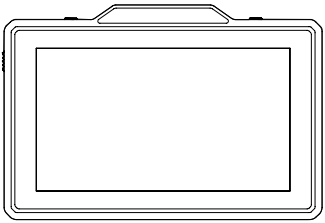

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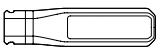

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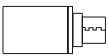

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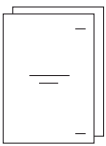

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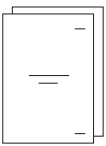

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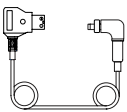

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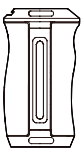

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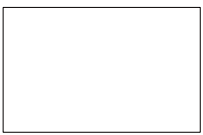

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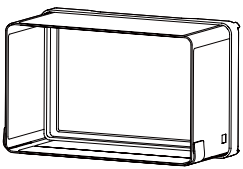

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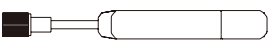

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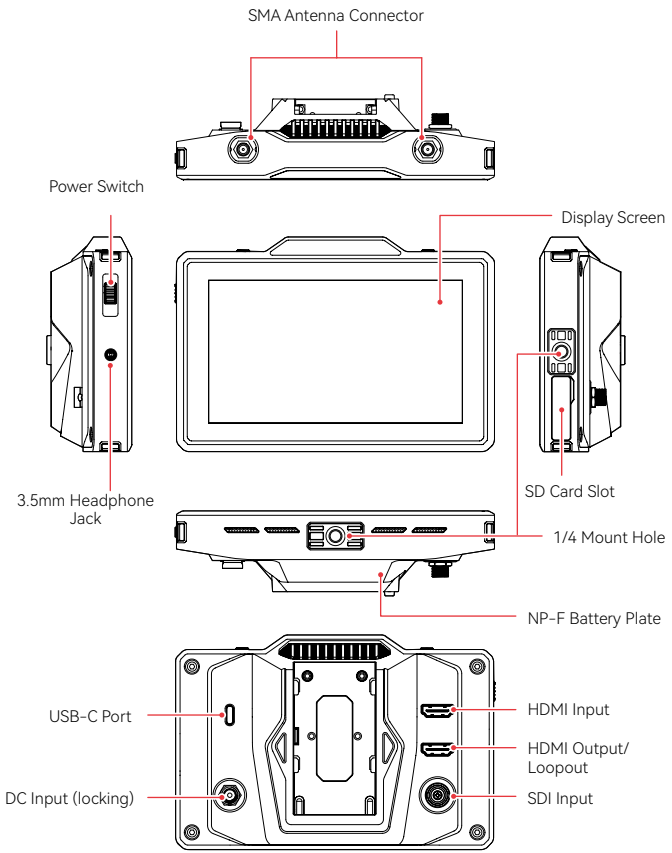
Configuration

SKU	Qty
① Pyro 5 Wireless Transceiving Monitor	1
② Easy-Install Short Antenna	2
③ USB-C OTG Adapter	1
④ Quick Guide & Packing List Card	1
⑤ Warranty Card & Compliance Information	1
⑥ Rotatable Cold Shoe Mount*	-
⑦ D-Tap to Locking DC Power Adapter Cable*	-
⑧ Side & Bottom Mounted Aluminum Handles*	-
⑨ Tempered Glass Screen Protector*	1
⑩ Monitor Hood*	-
⑪ Paddle Antenna (2.4 GHz and 5 GHz)*	-
⑫ Cylindrical Antenna (2.4GHz & 5GHz)*	-

Note:

1. The quantity of the items depends on the product configuration detailed in the packing list card.
2. You can buy accessories marked with an asterisk (*) from Hollyland's official website based on your needs.

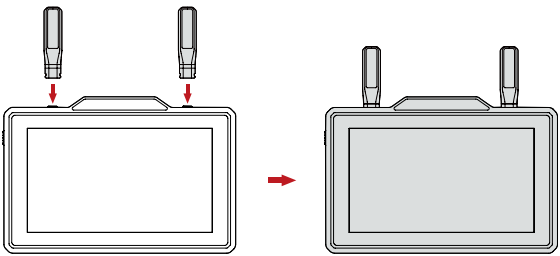
Product Overview



Installation

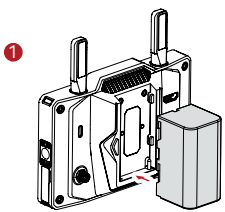
Antenna Installation

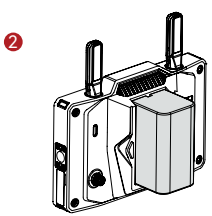
- Install the antenna at the indicated angle.

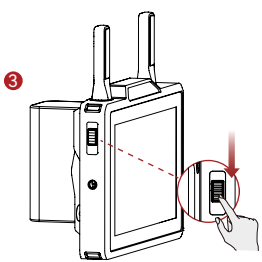


Battery Installation and Power On/Off

- Insert the battery (compatible with NP-F970 or similar series batteries).
- Slide the power switch downward to turn on the device.

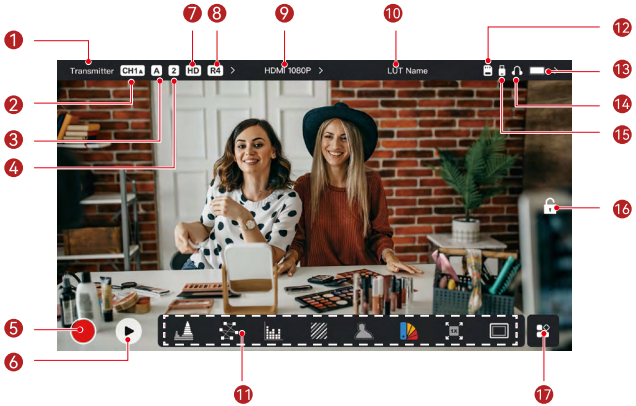






Home Page Introduction

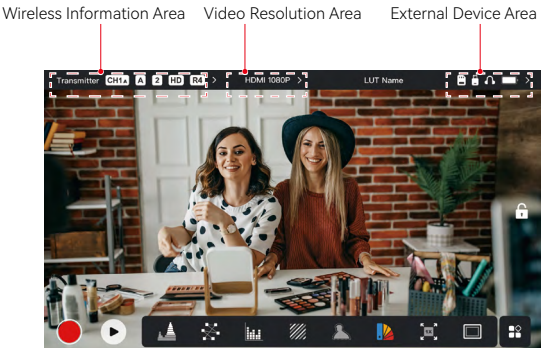
Overview



① Device Mode	⑩ LUT Name
② Current Channel (A: Auto Frequency Hopping Status*)	⑪ Image Analysis Functions
③ Current Group	⑫ SD Card
④ Number of Connected Receivers	⑬ Battery Level
⑤ Record	⑭ Headphone
⑥ Playback	⑮ USB Flash Drive
⑦ Scene Mode	⑯ Lock/Unlock Screen
⑧ Broadcast Mode	⑰ More Functions
⑨ Video Resolution	

*When enabled, the auto frequency hopping function will automatically change channels when encountering interference. In Broadcast mode, it takes around one second to change the channel. Otherwise, it takes a little longer.

Settings Interface Access



- **Wireless Settings:** Tap the wireless information area to access the wireless settings interface.
- **Display Settings:** Tap the video resolution area to access the display settings interface.
- **System Settings:** Tap the external device area to access the system settings interface.
- **Device Information:** Tap Device on the left side of any settings interface to access the device information interface.

Note:
After accessing a particular interface, simply tap the tabs on the left side of the screen to navigate through interfaces.

Home Page Introduction

In Transmitter Mode

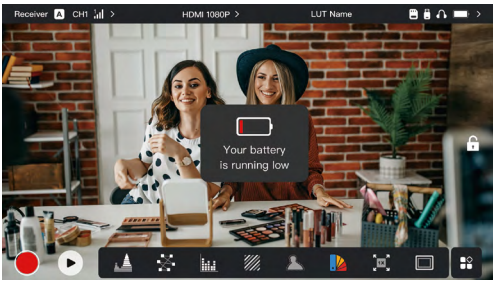
- The number of connected receivers is displayed.
- When there is no video source, NO VIDEO is displayed. When there is video source, video resolution is displayed.
- When in Broadcast mode, R1, R2, R3, or R4 is displayed, corresponding to the number of connected receivers.
- The USB-C icon varies according to its actual usage state, such as upgrading, networking, streaming, and streaming interrupted.

In Receiver Mode

- When disconnected, X is displayed at the signal strength area, and NO VIDEO is displayed.
- When connected, the devices number in the connection sequence with the transmitter and the signal strength are displayed.
- When there is video source, video resolution is displayed.

Home Page Introduction

Low Battery Notification



- When the battery level is low, a notification showing the current voltage value is displayed, and the battery icon turns red.

Functions Introduction

Waveform

Displays the horizontal representation of exposure levels in an image, clearly showing overexposed and underexposed areas.

Vectorscope

Displays color hues and their saturation levels in an image.

Focus Assist

Paints a highlight around in-focus edges with colored lines (red, green, blue, white or yellow), enabling fast and accurate focusing.

Crosshatch

Overlays a geometric grid pattern over an image with customizable rows and columns to display the image in nine grids, sixteen grids, or twenty-five grids.

3D LUTs

Allows you to preview the color processing result by importing LUTs via a USB flash drive.

Anamorphic

Restores image to its original aspect ratio, allowing you to correctly view images when using anamorphic lenses.

Histogram

Displays the proportional information of exposure levels in an image, clearly showing the overall exposure balance of the image.

Zebra Pattern

Displays a stripe pattern over a specific brightness range (IRE) on an image. You can adjust the upper IRE value and lower IRE value as needed.

Functions Introduction

False Color

Assigns different colors to areas of different brightness in an image to get quick exposure readings.

Aspect Mark

Defines the aspect ratio of an image by cropping certain parts on the corners of an image. The transparency ranges from 0 to 100. Supports the following aspect ratios: 16:9, 16:10, 4:3, 1:1, 1.85:1, and 2.35:1. You can also customize the aspect ratio.

Flip

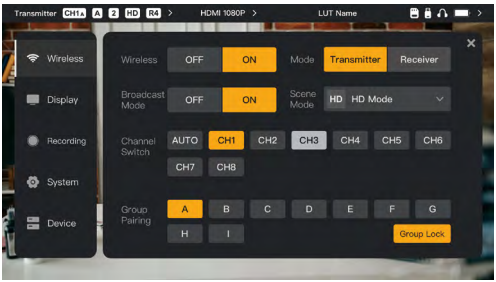
Flips an image.

Zoom In

Supports 1–4x zoom-in. You can swipe across the screen to change the area to be zoomed in.

Settings Interface Introduction

Wireless Settings



Wireless Transmission

- Functional only in transmitter mode. Turning wireless transmission off disables Wi-Fi transmission, extending battery life.
- When wireless transmission is turned off, the device cannot be paired with a receiver. To pair with a receiver, turn wireless transmission back on, wait for the channel number to appear in the upper left corner, and then proceed with pairing.

Device Mode

- Switch between transmitter mode and receiver mode based on your needs.

Scene Mode

- HD Mode: Can lock onto 12M high bitrate to ensure high-definition image transmission.
- Smooth Mode: Dynamically adjusts the bitrate based on actual usage to balance image quality and latency.

Channel Switch

- Tap a channel number in the channel list to switch the channel.
- Tap AUTO to enable the auto frequency hopping feature.

Scan

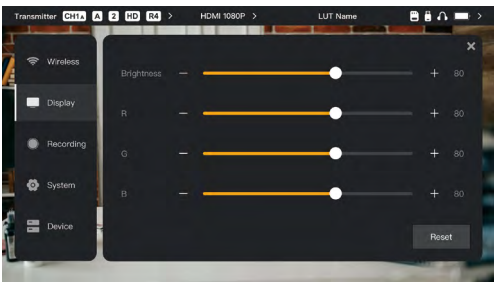
- Functional only in receiver mode. Tap **Scan** to view signal strength in the environment. The yellow bar in the scan result indicates the channel currently used by the device, the green bar indicates low-interference channels, and the red bar indicates strong-interference channels. It is recommended to use low-interference channels.
- Simply tap the bar to switch the channel.

Settings Interface Introduction

Pairing

- Perform pairing after the device is powered on and the channel number is displayed.
- Devices in the same group automatically pair.
- To use multiple sets simultaneously in the same location, each set must be assigned to a distinct group.

Display Settings



Brightness

- Adjust the brightness of the screen backlight from 0 to 100.
- The default value is 100.

R (RED)

- Adjust the red gain of the screen from 50 to 100.
- The default value is 100.

G (GREEN)

- Adjust the green gain of the screen from 50 to 100.
- The default value is 100.

B (BLUE)

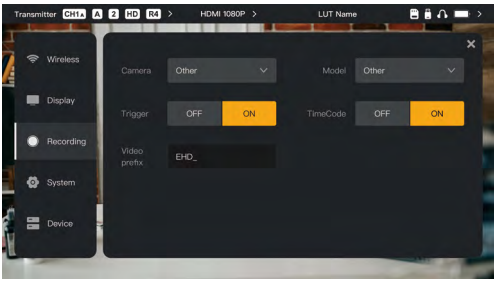
- Adjust the blue gain of the screen from 50 to 100.
- The default value is 100.

Reset

- Reset all the parameters on the display settings interface to their default values.

Settings Interface Introduction

Recording



Camera Brand

- Video file name prefix can be entered in advance.
- Camera brand is initialized as "Other"; click the dropdown to select the corresponding brand.

Camera Model

- Camera model is initialized as "Other"; click the dropdown to select the corresponding model.

Trigger

- Trigger recording is enabled by default. When the "Trigger Recording" setting is activated, the monitor's recording function can be controlled by the camera's trigger signal.

Timecode

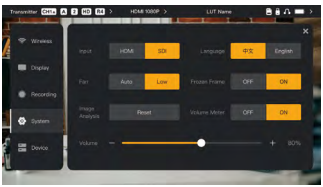
- Timecode is enabled by default.

Video File Prefix

- Video file name prefix can be entered in advance.

Settings Interface Introduction

System Settings



Input
- Tap HDMI or SDI to switch the input source.

Fan
- Switch the fan mode between Auto and Low.
- The default mode is Low.

Language
- Switch the language between Chinese and English.

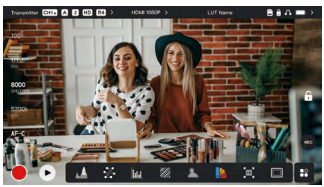
Volume
- Adjust the output volume for headphone from 0 to 100.
- The default value is 50.

Reset
- Disable all image analysis functions.

Volume Meter
- Display the VU meter or not.
- Disabled by default.

Frozen Frame
- If enabled, the last frame after a transmission interruption is the final frame from the signal source.

Camera Control

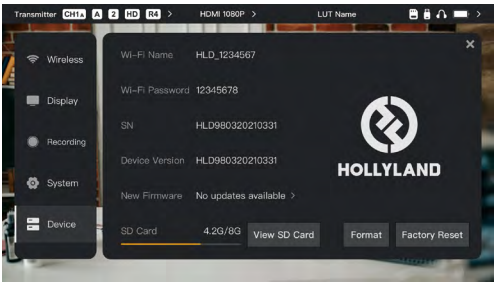


You can directly control your camera through the touchscreen, dynamically adjusting shutter, aperture, recording, focus, white balance, and ISO.

1. Change the remote control method in "Camera Settings" to "PC Remote Control." (Paths vary by model.)
2. Connect the camera to this device via HDMI to share video information. (Synchronized screens indicate a successful connection.)
3. Connect this device to the camera using a USB-C to USB-C cable.
4. Once connected, the device screen will automatically display camera control icons, such as shutter, aperture, recording, focus, white balance, and ISO. Tap the icons to adjust camera settings.

Settings Interface Introduction

Device Information



- When in transmitter mode, display WIFI name and password for quick connection to the APP.
- The serial number (SN) and version information of the device are displayed.
- Tap **Factory Reset** to reset all the device parameters to their default values.
- The version information of the latest firmware (if available) is displayed.
- Check the current memory of the SD card and tap View SD Card for file management operations.

Device Upgrade

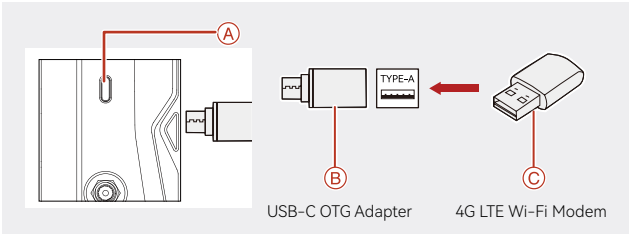
1. Copy the upgrade file to a USB flash drive or SD card.
2. Insert the USB flash drive or SD card to the device.
3. Tap **Confirm** in the on-screen prompt, or tap the latest version number and then tap **Confirm** to start the upgrade process.
4. After the upgrade process is complete, the device restarts automatically.

Note:

a. Do not power off the device during the upgrade process.
b. Use a USB flash drive formatted as FAT32 or NTFS.
c. Ensure that wireless transmission is turned on during the upgrade process.

Streaming and App

Transmitter Mode Streaming Introduction



1. Connect the wireless network card to the device using a USB-C OTG Adapter.
2. Observe whether there is any change in the USB-C icon.
3. Enter the streaming address through the Hollyview app, and start streaming.

App Download and Connection

1. Download

   The app HollyView is available for download on Hollyland's official website. Android users can download the app from the Google Play Store and other App Stores, while iOS users can download it from the App Store.

2. Connection

   To connect to the device, access the Wi-Fi connection interface on your mobile phone, tap the one named HLD plus device ID number, and enter the password (default password: 12345678). After successful connection, you can use the app to monitor.

Specifications

	Transmitter Mode	Receiver Mode
Input Port	HDMI 1.4b 3G-SDI IN	/
Output Port	Loop-Out HDMI 1.4b	HDMI 1.4b
Audio-Video Parameters	Color Depth Capability	HDMIInput: YUV422/YUV444 8BIT
	Input Audio Format	HDMI 1.4b 8-Channel
	Output Audio Format	HDMI 1.4b 8-Channel
Antenna	SMA Male	
Power Input	DC Input (2.0mm core socket)	
Headphone Jack	3.5mm	
Upgrade Port	USB-C (USB 2.0 OTG) / SD Card Slot	
Screen Size	5.5" Touchscreen	
Screen Resolution	1920*1080 pixels	
Color Gamut	Rec.709	
Aspect Ratio	16: 9	
Screen Brightness	1,500 nits	
Contrast Ratio	1000:1	
Power Input Voltage	NPF: 6V~16V DC-in: 10-18V DC	
Video Processing Technology	Video Bitrate	Maximum 12 Mbps
	Video Encoding Format	H.264
Power Consumption	<16.5W	<14W
Net Weigh	≈ 410g (14.5oz)	
Dimensions	(L×W×H): 151.6×102.3×40.5mm	
Operating Frequency	• 5.150-5.250GHz • 2.412~2.484GHz • 5.725-5.850GHz	
Transmit Power	< 23dBm	/

Specifications

Receiver Sensitivity	/	Unicast:-85dBm; Broadcast:-80dBm
Transmission Latency	≈ 60ms (Tested in a laboratory environment with 1080P60)	
Bandwidth	Unicast: 20MHz; Broadcast: 40MHz	
Operating Temperature	- 10℃ - 60℃	
Storage Temperature	- 40℃ - 60℃	

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

SDI Input	HDMI Loopout/Output
1080p50/59.94/60 (Level A)	1080p50/59.94/60(Level A)
1080p50/59.94/60 (Level B)	
1080i50/59.94/60	1080i50/59.94/60
1080p23.98/24/25/29.97/30	1080p23.98/24/25/29.97/30
1080psf23.98/24	1080psf23.98/24
1080psf25/29.97/30	1080i50/59.94/60
720p50/59.94/60	720p50/59.94/60

* 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

HollylandTech

support@hollyland.com

www.hollyland.com

Note:

Due to product version upgrades or other reasons, this Quick Guide 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.

Declaration of Conformity

Hereby, Siden, Inc. declares that the radio equipment type Pyro 5 is in compliance with Directive 2014/53/EU and this product is allowed to be used in all EU member states. The full text of the EU declaration of conformity is available at the following internet address: www.hollyland.com

Manufacturer information:

Company name: Shenzhen Hollyland Technology Co.,Ltd

Address：8F,Building 5D,Skyworth Innovation Valley, Tangtou Road. Shiyan Street, Baoan District Shenzhen, China

Operation temperature: -10~60℃

Operation frequency (Max power)

Radio	Frequency	Max. power
WiFi 2.4G	2412-2472MHz	17.8dBm
WiFi 5G	5150-5250MHz	17.9dBm
	5725-5850MHz	13.9dBm

RF exposure statement

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of d=20 cm between the device and the human body. To maintain compliance with RF exposure requirement, use product that maintain a 20cm distance between the device and human body.

The device is restricted to indoor use when operated in the European Community using frequency 5150MHz-5250MHz to reduce the potential for interference.

Restriction in BE, BG, CZ, DK, DE, EE, IE, EL, ES, FR, HR, IT, CY, LV, LT, LU, HU, MT, NL, AT, PL, PT, RO, SI, SK, FI, SE, UK(NI).

FCC regulatory conformance：

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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

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: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF Exposure

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

HOLLYVIEW

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