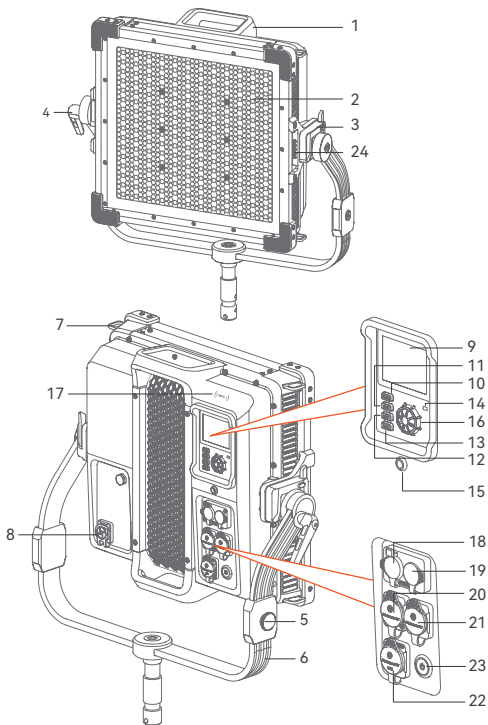


# KNOWLED P600R Hard P4

KNOWLED LED Light Panel

Instruction Manual

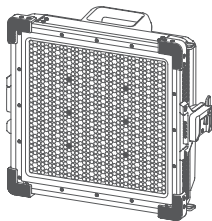
## Names of Parts



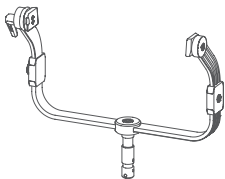
- |                             |                   |                      |                                   |
|-----------------------------|-------------------|----------------------|-----------------------------------|
| 1. Handle                   | 7. Hanging Ring   | 13. MODE Button      | 19. DMX IN Port                   |
| 2. Lamp Bead                | 8. AC INPUT Port  | 14. LED Indicator    | 20. LAN 1 Port                    |
| 3. Quick Install Device     | 9. Color Screen   | 15. CP Port          | 21. LAN 2 Port                    |
| 4. Direction Locking Handle | 10. PRESET Button | 16. Select Dial      | 22. USB-A Port                    |
| 5. Hanging Device           | 11. LOCK Button   | 17. NFC Sensing Area | 23. Power Switch Button           |
| 6. U-bracket                | 12. MENU Button   | 18. DMX OUT Port     | 24. Accessory Quick Mounting Slot |

## What's Inside

### P600R Hard P4



Light Body × 1



U-bracket × 1



AC Power Cord × 1

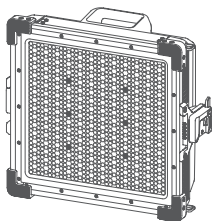


Safety Rope × 1

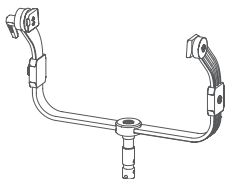


Instruction Manual × 1

## P600R Hard P4 K1



Light Body × 1



U-bracket × 1



AC Power Cord × 1



Safety Rope × 1



Storage Case × 1



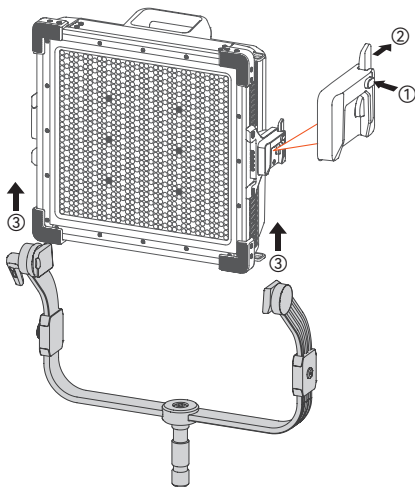
Instruction Manual × 1

Note: Due to continuous updates and upgrades of the products, there may be differences between the actual products and the pictures. Therefore, the pictures are for reference only, products to prevail in kind.



## Installing the U-bracket

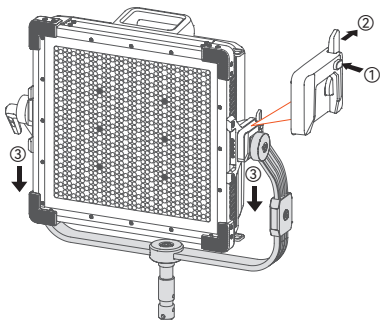
1. Press and hold the quick install device button on the light body, push aside the wrench to open both the left and right sides.
2. Hold both ends of the U-bracket, align the quick install device and insert it, then turn back the wrenches on both sides to lock it properly.
3. Install the light on the roller stand and lock the fixing knob on the roller stand.



## Disassembling the U-bracket

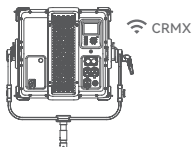
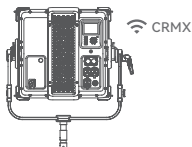
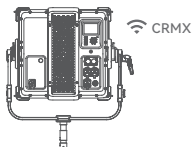
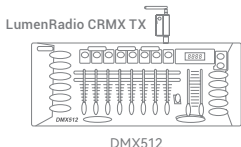
1. Hold the U-bracket to remove the fixture from the roller stand and place it on a flat surface.
2. Press and hold the quick-install device button, push aside the wrench to remove the U-bracket.

⚠ Please be careful when installing the light as it is quite heavy and may cause personal injuries.

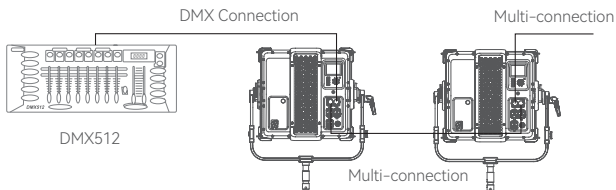


## Connecting to DMX Controller

### 1. Wireless DMX Connection



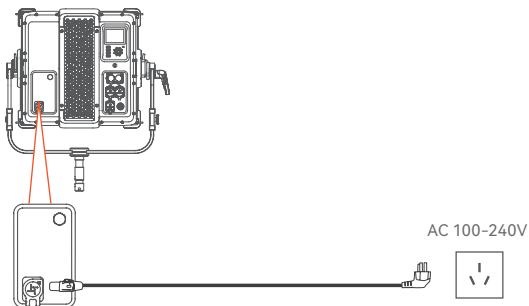
## 2. Wired DMX Connection



Note: The above pictures only show the method to connect the DMX512 controller, the controller and connecting cable are sold separately.

## Power Supply

1. This device must be connected to a power outlet with a reliable grounding function.
2. Please turn off the power when disassembling and installing the power cord, it is strictly forbidden to plug and unplug when the power is on.
3. Please press the latch button and rotate anticlockwise when disassembling the power cord with latch button.

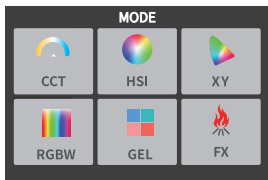


## Power Switch

Press the power switch button after connecting to power source to turn the device on or off.

## Mode Selection

Press the MODE button to enter selection interface, rotate the select dial to select the desired mode, then press it to enter the corresponding parameter settings. Rotate the select dial clockwise to increase the parameters, while rotate anticlockwise to decrease the parameters. Press the MODE button to return to the previous interface.



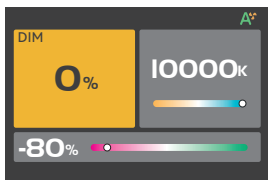
## CCT Mode

Press the MODE button to enter mode selection, rotate and press the select dial to select CCT mode, in which you can adjust the DIM/CCT/GM.

DIM range: 0.0% ~ 100.0%

CCT range: 1800K ~ 10000K

GM range: -100% ~ +100%



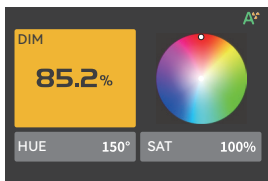
## HSI Mode

Press the MODE button to enter mode selection, rotate and press the select dial to select HSI mode, in which you can adjust the DIM/HUE/SAT.

DIM range: 0.0% ~ 100.0%

HUE range: 0° ~ 360°

SAT range: 0% ~ 100%



## X-Y Mode

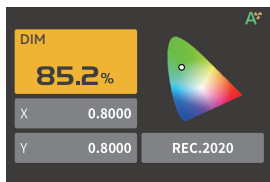
Press the MODE button to enter mode selection, rotate and press the select dial to select X-Y mode, in which you can adjust the DIM/X coordinate/Y coordinate/color temperature/color space.

DIM range: 0.0% ~ 100.0%

X coordinate: 0.0000 ~ 0.8500

Y coordinate: 0.0000 ~ 0.8500

Color temperature or color space: Gamut, Rec.2020, DCI-P3, Rec.709, Black Body



## RGBW Mode

Press the MODE button to enter mode selection, rotate and press the select dial to select RGBW mode, in which you can adjust the DIM/red/green/blue/white.

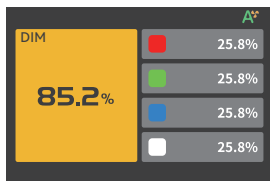
DIM range: 0.0% ~ 100%

Red range: 0.0% ~ 100%

Green range: 0.0% ~ 100%

Blue range: 0.0% ~ 100%

White range: 0.0% ~ 100%



## GEL Mode

Press the MODE button to enter mode selection, rotate and press the select dial to select GEL mode, in which you can adjust the DIM/gel type/gel group type/CCT/HUE/SAT.

DIM range: 0.0% ~ 100%

Gel type: R-GEL/L-GEL

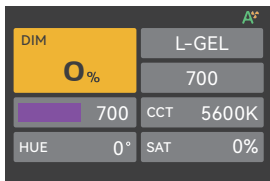
R-GEL gel group: COR./CAL./SPC./CINE.

L-GEL gel group: COR./COLOR./600/COS./700

CCT range: 3200K or 5600K

HUE range: -10° ~ 10°

SAT range: -20% ~ 20%



## FX Mode

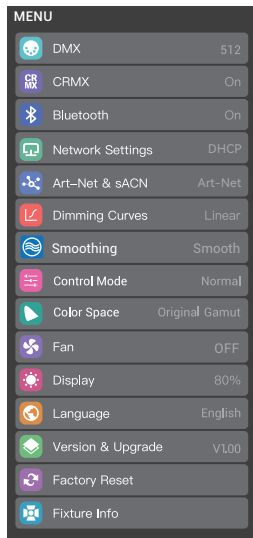
Press the MODE button to enter mode selection, rotate and press the select dial to select FX mode, in which you can choose among the 17 effects and adjust their respective parameters.

Effect	DIM	Type	CCT/HUE	Speed	Others
Flash	0.0% - 100.0%	CCT/HSI	1800K-10000K/0-360°	1-100	Mode: Camera Flash/Flash Bulb Trigger: Auto/Manual
Lightning		x	1800K-10000K	x	Times: Random/1-10 Frequency: Random /2-20 Trigger: Auto/Manual
Cloudy		x	x	Random/1-100	Ratio: 10% -90%
Broken Bulb		CCT/HSI	1800K-10000K/0-360°	1-100	x
TV		CCT/HSI	x	1-100	x
Candle		x	x	1-100	x
Fire		x	x	1-100	x
Firework		x	x	1-100	Embers: 1-100
Explosion		CCT/HSI	1800K-10000K/0-360°	1-100	Embers: 1-100 Trigger: Auto/Manual
Welding		CCT/HSI	1800K-10000K/0-360°	1-100	x
Police Car		Red+Blue, Red, Blue, Blue+White, Blue+Yellow, Yellow, Red+White+Blue, Red+Yellow+Blue	x	x	Mode: 1-5
SOS		CCT/HSI	1800K-10000K/0-360°	x	x
RGB Cycle		x	x	1-100	SAT: 0%-100%
Party		x	x	1-100	SAT: 0%-100%
Rainbow		Pixel NO.: 1, 4 Color Length: 1, 2, 3, 4 Color NO.: 1, 2, 3, 4, 5, 6, 7, 8 Speed: 1-100 Direction: Left, Right Background Color CCT: 2700K, 3200K, 4300K, 5600K, 6500K, 7500K Crossfade: 0%-100% HUE: 0-360° SAT: 0%-100% Background Dimming: 0%-100%			
Px Candle		x	x	1-100	Tone: Warm/Neutral/Cool
Px Fire		x	x	1-100	Tone: Warm/Neutral/Cool

Note: Please rotate the select dial to adjust the parameters, then press the and rotate the select dial to the next parameter. Each effect can be turned on or off individually. Select manual, the effect can be triggered once by pressing the select dial once. After a certain effect is set, press MODE button can return to the 17 effects interface.

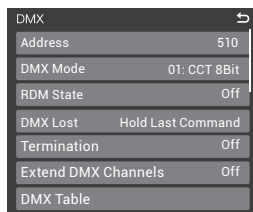
## MENU Settings

Press the MENU button to enter menu interface, rotate and press the select dial to enter the following setting options, press the MENU button can return to the previous interface.



## DMX

Press the select dial to enter DMX interface, press and rotate the select dial to adjust the following settings.



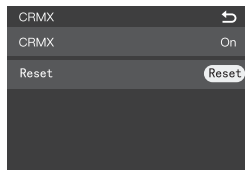
Level 1 Option	Level 2 Option	Description
Address	001-512	Initial address
DMX Mode	01: CCT 8 Bit	CCT mode in 8bit
	02: HSI 8 Bit	HSI mode in 8bit
	03: RGB 8 Bit	RGB mode in 8bit
	04: RGBW 8 Bit	RGBW mode in 8bit
	05: CCT+HSI 8 Bit	CCT+HSI mode in 8bit
	06: CCT+RGBW 8 Bit	CCT+RGBW mode in 8bit
	07: FX 8 Bit	FX mode in 8bit
	08: GEL 8 Bit	GEL mode in 8bit
	09: CCT 16 Bit	CCT mode in 16bit
	10: HSI 16 Bit	HSI mode in 16bit
	11: RGB 16 Bit	RGB mode in 16bit
	12: RGBW 16 Bit	RGBW mode in 16bit
	13: X-Y 16 Bit	X-Y mode in 16bit
	14: FX 16 Bit	FX mode in 16bit
	15: GEL 16 Bit	GEL mode in 16bit
	16: RGB Engine 8 Bit	RGB Engine mode in 8bit
	17: RGBW Engine 8 Bit	RGBW Engine mode in 8bit
	18: HSI Engine 8 Bit	HSI Engine mode in 8bit
	19: CCT+RGBW Engine 8 Bit	CCT+RGBW Engine mode in 8bit
	20: Ultimate 8 Bit	Ultimate DMX mode in 8bit
	21: Ultimate 16 Bit	Ultimate DMX mode in 16bit
RDM State	On	Turn on RDM, the controller can set the fixture address and DMX mode
	Off	Turn off RDM
DMX Lost	Hold Last Command	After the DMX control signal is lost, continue to use the last received DMX control signal until power down or a valid DMX control signal is received again.
	Black Out	The light is off immediately.
	Black Out After 2 min	After the DMX control signal is lost, continue to use the last received DMX control signal for 2 minutes then black out.  Note: If a valid DMX control signal is received within 2 minutes, then use the new DMX control signal.
Termination	On	Turn on DMX terminal
	Off	Turn off DMX terminal
Extend DMX Channels	On	Turn on extend DMX channels
	Off	Turn off extend DMX channels
DMX Table	Scan the QR code to check DMX table	



Note: Please refer to the DMX Mode Specification to control the device by DMX/RDM. The electronic version can be downloaded from the official website <https://www.godox.com>.

## CRMX

Press the select dial to enter CRMX interface, press and rotate the select dial to turn on/off, or reset.



## "Godox KNOWLED" app Downloading

Scan the QR code to download "Godox KNOWLED" app (Currently available for tablet download and use only).



## CRMX BT to CRMX

1. First, connect the Android/iOS tablet to Godox TimoLink TRX via the CRMX BT.
2. Then connect Godox TimoLink TRX to CRMX fixtures, or DMX fixtures (used with Godox TimoLink RX).
3. Finally, add the fixtures in "Godox KNOWLED" app to control them.

### Android/iOS tablet



"Godox KNOWLED" App

### Godox TimoLink TRX



Fixture with CRMX

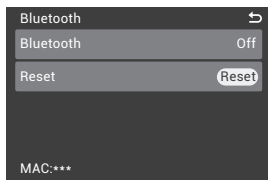


Fixture without CRMX  
need to be used with  
**Godox TimoLink RX**

Note: TimoLink TRX and TimoLink RX are sold separately.

## Bluetooth

Press the select dial to enter Bluetooth interface, press and rotate the select dial to Bluetooth to turn it on or off. If you need to reset the Bluetooth, rotate the select dial to reset and press it. The MAC code is on the corner for quick check.



## "GODOX Light" app Downloading

Scan the QR code to download the "Godox Light" smartphone app (can be used in Android and iOS).



### Note:

1. The app can be used directly on the firstly installed device (smartphone or tablet). When change to other mobile device (smartphone or tablet), the light shall be reset before the normal connection of the app.
2. The app should be version 3.0 or above.

## Network Settings

Press the select dial to enter network settings interface, press and rotate the select dial to adjust the parameters as follows.

Network Settings					
Network Mode				Manual	
IP	192	168	1	100	
Subnet Mask	255	255	255	0	
Gateway	192	168	1	1	
MAC: ***					

Level 1 Option	Level 2 Option	Description
Network Mode	DHCP	DHCP mode
	Art-Net2.x	To use 2.B.C.D network
	Art-Net 10.x	To use 10.B.C.D network
	Manual	Set the network IP, subnet mask, and default gateway manually
IP	AAA.BBB.CCC.DDD	<p>The ID address is assigned by DHCP in DHCP mode.</p> <p>The ID address is 2.B.C.D in Art-Net 2.x mode.</p> <p>The ID address is 10.B.C.D in Art-Net 10.x mode.</p> <p>In manual mode:</p> <p>AAA = 0-255 BBB = 0-255</p> <p>CCC = 0-255 DDD = 0-255</p>
Subnet Mask	255.BBB.CCC.DDD	<p>The subnet mask is 255.BBB.CCC.DDD and can not be adjusted by menu settings in DHCP/Art-Net 2.x/Art-Net 10.x mode.</p> <p>In manual mode:</p> <p>AAA = 0-255 BBB = 0-255</p> <p>CCC = 0-255 DDD = 0-255</p>
Gateway	AAA.BBB.CCC.DDD	<p>The gateway is assigned by DHCP in DHCP mode.</p> <p>The gateway is 2.B.C.D in Art-Net 2.x mode.</p> <p>The gateway is 10.B.C.D in Art-Net 10.x mode.</p> <p>In manual mode:</p> <p>AAA = 0-255 BBB = 0-255</p> <p>CCC = 0-255 DDD = 0-255</p>

## Art-Net & sACN

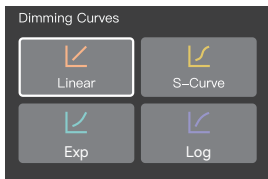
Press the select dial to enter Art-Net & sACN interface, press and rotate the select dial to adjust the parameters as follows.

Art-Net & sACN	
Art-Net & sACN	Auto
Art-Net Net	101
Art-Net Sub-Net	12
Art-Net Port	11
Art-Net Universe	0
sACN Universe	1

Level 1 Option	Level 2 Option	Description
Art-Net&sACN	Auto/Art-Net/sACN/Off	Auto: Art-Net & sACN two protocols are accepted. Art-Net: Only Art-Net protocol. sACN: Only sACN protocol. Off: No network protocols are accepted.
Art-Net Net	0-127	Art-Net network
Art-Net Sub-Net	0-15	Choose Art-Net subnet in Art-Net network
Art-Net Port	0-15	Art-Net port
Art-Net Universe	0-32767	Art-Net universe
sACN Universe	1-63999	sACN universe

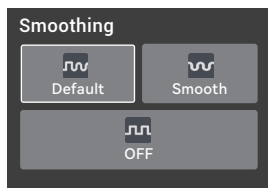
## Dimming Curves

Press the select dial to enter dimming curves interface, press and rotate the select dial to choose among linear, S-curve, exponential and logarithmic.



## Smoothing

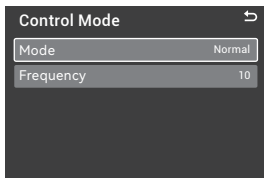
Press the select dial to enter smoothing setting interface, press and rotate the select dial to choose among default, smooth and off.



Smoothing	Note
Default	The brightness data is basically smoothed to achieve smooth dimming and shorten the response time.
Smooth	The brightness data is smoothed to achieve ultra-smooth dimming with a slow response time.
Off	No smoothing of brightness data, fastest response time.

## Control Mode

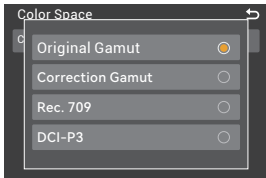
Press the select dial to enter control mode interface, press and rotate the select dial to choose the mode among normal, low end and highspeed, then press and rotate the select dial adjust the frequency of normal and low end modes to default or from 1 to 10.



Control Mode	Suitable Environment	Dimming Feature	Blink
Normal	Normal dimming	Proper in the whole dimming range	Unlikely
Low End	TV series/Movie	Proper in low dimming	Probably
Highspeed	Not dimmable	/	No

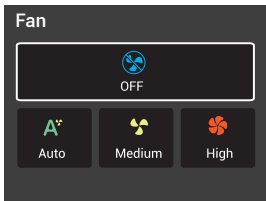
## Color Space

Short press the select dial to enter color space interface, press and rotate the select dial to choose among original gamut, correction gamut, Rec.709 and DCI-P3.



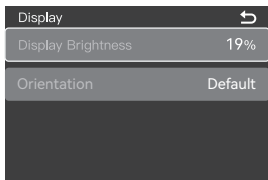
## Fan

Press the select dial to enter fan interface, press and rotate the select dial to choose among off, auto, medium and high.



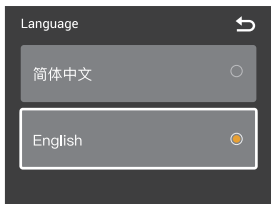
## Display

Short press the select dial to enter display interface, press and rotate the select dial to adjust the display brightness from 10% to 100%, and adjust the display orientation among default, invert and auto.



## Language

Press the select dial to enter language interface, press and rotate the select dial to choose between simplified Chinese and English.



## Version & Upgrade

Press the select dial to enter version & upgrade interface to check the firmware version and upgrade instruction.



## Firmware Upgrade

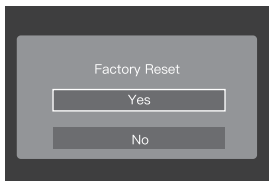
1. Download the new firmware to the U disk from official website (<https://www.godox.com/firmware-continuous-light>).
2. Turn off the device. Insert the U disk with new firmware into the USB-A port.
3. Turn on the device, and it will automatically enter the upgrading interface.
4. It will return to main interface after completion.

#### Notes:

1. New firmware must be downloaded from the official website, and keep only one BIN file in the root directory of the USB disk.
2. The USB-A port can only support output voltage and current of 5V $\pm$  1.5A. Do not connect to over-rated USB device.

## Factory Reset

Press the select dial to enter factory reset interface to choose yes or no. If you choose yes, the device will automatically reset and reboot, then the brightness will turn to 100% automatically.



## Fixture Info

Press the select dial to enter fixture info interface to check the basic information of the product.

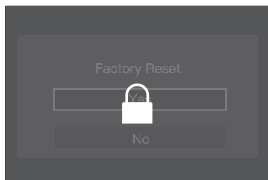
## NFC Fixture Addition

1. Make sure the Bluetooth and NFC functions of smartphone and fixture are turned on, the **【Godox Light】** app is V3.2.4 or above.
2. Turn on the **【Godox Light】** app and enter the corresponding scene, click **【+】** to select **【NFC Addition】** function, bring the NFC sensing area of smartphone near the sensing area of fixture to scan to add.

## Lock Setting

Press the LOCK button, the panel is locked when <🔒> is displayed on the panel, press it again to unlock.

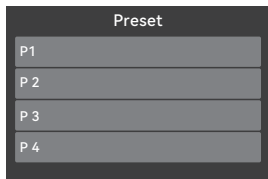
Note: The locking function only works on the controller panel, other operations are still available.



## Preset Setting

Press the PRESET button to enter preset effects interface. Rotate and press the select dial to choose and enter preset effects 1-20.

1. Press the MODE button to enter the mode interface and set the desired parameters.
2. Press the PRESET button to enter the preset interface, if you want to save this effect as preset 1, choose preset 1 and press the select dial to save.
3. You can apply, save or cancel the preset groups by rotating and pressing the select dial.





# Illuminance Data

## Normal Mode

CCT	Testing Condition	Unit	1m	2m	3m	5m
1800K	Bare Light	lux	47700	12500	5600	2050
		fc	4430	1160	520	190
2800K		lux	63000	16400	7350	2690
		fc	5860	1530	683	250
3200K		lux	64400	16800	7540	2750
		fc	5980	1560	700	255
4300K		lux	68400	17900	8010	2920
		fc	6360	1660	744	271
5600K		lux	73200	19200	8570	3120
		fc	6800	1780	796	290
6500K		lux	75100	19700	8790	3200
		fc	6980	1830	817	298
8500K		lux	73700	19300	8600	3130
		fc	6840	1790	799	291
10000K		lux	69200	18100	8100	2950
		fc	6420	1680	753	274
R (Red)		lux	20600	5400	2420	905
		fc	1920	502	225	84
G (Green)		lux	24600	6450	2890	1070
		fc	2280	599	269	99
B (Blue)		lux	5530	1450	646	236
		fc	513	134	60	22

## Highspeed Mode

CCT	Testing Condition	Unit	1m	2m	3m	5m
1800K	Bare Light	lux	53700	14100	6350	2330
		fc	4990	1310	590	216
2800K		lux	66700	17400	7810	2870
		fc	6200	1620	726	266
3200K		lux	69600	18100	8140	2980
		fc	6460	1680	756	277
4300K		lux	75500	19700	8860	3240
		fc	7020	1830	823	301
5600K		lux	78600	20500	9230	3380
		fc	7300	1910	857	314
6500K		lux	79200	20700	9300	3400
		fc	7360	1930	864	316
8500K		lux	76300	19900	8920	3260
		fc	7090	1850	829	303
10000K		lux	73700	19300	8660	3260
		fc	6850	1790	805	303
R (Red)		lux	20600	5400	2420	905
		fc	1920	502	225	84
G (Green)		lux	24600	6450	2890	1070
		fc	2280	599	269	99
B (Blue)		lux	5530	1450	646	236
		fc	513	134	60	22

Note: All the data are average values instead of absolute values. All the above tests are based on the condition of 100% brightness.

## Technical Data

<b>Model</b>	P600R Hard P4
<b>AC INPUT Port</b>	100V-240V ~ 50/60Hz, 700W
<b>CCT Range</b>	1800K ~ 10000K
<b>GM Adjust</b>	-100% ~ 100%
<b>Brightness Range</b>	0.0% ~ 100.0%
<b>Dimming Curves</b>	linear, S-curve, exponential, logarithmic
<b>FX Modes</b>	17
<b>CRI</b>	≈ 96
<b>TLCI</b>	≈ 98
<b>Protection Grade</b>	IP65
<b>Controlling Methods</b>	DMX/RDM, CRMX, Ethernet, Bluetooth, light body control
<b>Bluetooth Controlling Distance</b>	30m
<b>USB-A Port</b>	Firmware Upgrade/5V= 1.5A Power Supply
<b>Working Environment Temperature</b>	-20°C ~ 45°C
<b>Dimension (excluding U-bracket)</b>	≈16.97"*5.94"*15.16"
<b>Net Weight (excluding U-bracket)</b>	≈11kg

Specifications and data may subject to changes without notice.

## Warning

Operating frequency: 2402MHz – 2480MHz (2.4G only receive) / 2402MHz – 2480MHz (BT)  
Maximum EIRP Power: 5dBm

## Declaration of Conformity

GODOX Photo Equipment Co., Ltd. hereby declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. In accordance with Article 10(2) and Article 10(10), this product is allowed to be used in all EU member states.

For more information of DoC, Please click this web link:

**<https://www.godox.com/eu-declaration-of-conformity/>**

The device complies with RF specifications when the device is used at 0mm from your body.

## FCC Caution

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.

Any 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. The use distance is not more than 5mm.

### Inapplicable Cases

The guarantee and service offered by this document are not applicable in the following cases: ① The product or accessory has expired its warranty period; ② Breakage or damage caused by inappropriate usage, maintenance or preservation, such as improper packing, improper usage, improper plugging in/out external equipment, falling off or squeezing by external force, contacting or exposing to the improper temperature, solvent, acid, base, flooding and damp environments, etc; ③ Breakage or damage caused by non-authorized institution or staff in the process of installation, maintenance, alternation, addition and detachment; ④ The original identifying information of product or accessory is modified, alternated, or removed; ⑤ No valid warranty card; ⑥ Breakage or damage caused by using illegally authorized, nonstandard or non-public released software; ⑦ Breakage or damage caused by force majeure or accident; ⑧ Breakage or damage that could not be attributed to the product itself. Once met these situations above, you should seek solutions from the related responsible parties and Godox assumes no responsibility. The damage caused by parts, accessories and software that beyond the warranty period or scope is not included in our maintenance scope. The normal discoloration, abrasion and consumption are not the breakage within the maintenance scope.

## Maintenance and Service Support Information

The warranty period and service types of products are implemented according to the following Product Maintenance Information:

Parts	Maintenance Period(month)	Warranty Service Type
Circuit board	12	Customer sends the product to designated site
Others (Optical accessories, cables, flight case or other packages, etc.)	No	Without warranty