Aputure®

Next Level Imaging

INFINIBAR

Product Manual

English

Introduction

Thank you for purchasing the Aputure® INFINIBAR。

The Aputure INFINIBAR is a full spectrum LED tube light for cinematographers and lighting professionals. Featuring total color and pixel control in a compact form factor, the INFINIBAR is your new filmmaking paintbrush.

Granting you true creative freedom, the INFINIBAR utilizes advanced wireless connectivity with our innovative Sidus Link mobile app and the industry-standard Lumenradio CRMX for wireless DMX adjustability.

Important Safety Instructions

When using this unit, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions before using.
2. Please keep INFINIBAR away from diskette, credit cards, monitors, mechanical watches, mobile phones, medical devices (pacemakers), etc.
3. Close supervision is necessary when any fixture is used by or near children. Do not leave the fixture unattended while in use.
4. Care must be taken as burns can occur from touching hot surfaces.
5. Do not operate the fixture if a cord is damaged, or if the fixture has been dropped or damaged, until it has been examined by qualified service personnel.
6. Position any power cables such that they will not be tripped over, pulled, or put into contact with hot surfaces.
7. If an extension cord is necessary, a cord with an amperage rating at least equal to that of the fixture should be used. Cords rated for less amperage than the fixture may overheat.
8. Always unplug the lighting fixture from the electrical outlet before cleaning and servicing, or when not in use. Never yank the cord to remove the plug from the outlet.
9. Let the lighting fixture cool completely before storing. Unplug the power cable from lighting fixture before storing and store the cable at assigned space of the flight case.
10. To reduce the risk of electric shock, do not immerse this fixture in water or any other liquids.
11. To reduce the risk of fire or electric shock, do not disassemble this fixture. Contact cs@aputure.com or take the lighting fixture to qualified service personnel when service or repair is required. Incorrect reassembly may cause electric shock when the lighting fixture is in use.
12. The use of any accessory attachment not recommended by the manufacturer may increase the risk of fire, electric shock, or injury to any persons operating the fixture.
13. Please power this fixture by connecting it to a grounded outlet.
14. Please do not block the ventilation or do not look at the LED light source directly when it is powered on. Please do not touch the LED light source in any condition.
15. Please do not place the LED lighting fixture near any flammable object.
16. Only use a dry microfiber cloth to clean the product.
17. Please do not use the light fixture in wet condition on account of electric shock may be caused.
18. Please have the product checked by an authorized service personnel agent if the product has a problem. Any malfunctions caused by unauthorized disassembly are not covered by the warranty. The user may pay for maintenance.
19. We recommend only using the original Aputure cable accessories. Please note that any malfunctions caused by using unauthorized accessories are not covered by the warranty. The user may pay for maintenance.
20. When hanging the product overhead, always ensure an extra safety measure has been attached - such as

a safety chain- that is certied for the weight of the product.

21. This product is certified by RoHS, CE, KC, PSE, and FCC. Please operate the product in full compliance with relevant country's standards. Any malfunctions caused by incorrect use are not covered by warranty. The user may pay for maintenance.

22. The instructions and information in this manual are based on thorough, controlled company testing procedures. Further notice will not be given if the design or specifications change.

SAVE THESE INSTRUCTIONS
FCC Compliance Statement

WARNING
Changes or modications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTICE
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 reorient or relocate the receiving antenna.

· Increase the separation between the equipment and receiver.
· Connect the equipment to an outlet on a different circuit than the receiver is connected to.
· Consult the dealer or an experienced radio/TV technician for help

RF Warning Statement:

This device has been evaluated to meet general RF exposure requirements.

Components List

Please make sure all accessories listed below are completed before using.
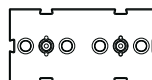If not, please contact with your sellers immediately.
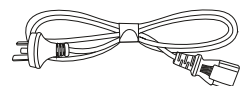
INFINIBAR PB12 8-Light Kit
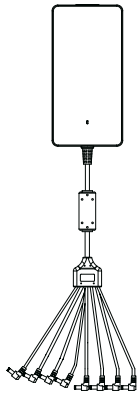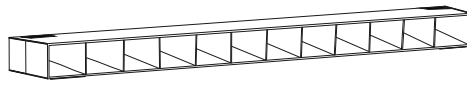

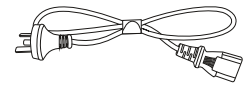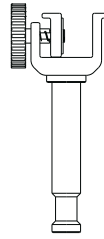Magnet (16pc)   Hex Key (1pc)   Straight Connector (8pc)   AC power cable 4m (1pc)

INFINIBAR PB12 fabric grid (8pc)

AC Power Cable 1.5m (8pc)

330W Power adapter (1pc)

INFINIBAR Clamp (8pc)

48W Power Adapter (8pc)

INFINIBAR PB12 lamp (8pc)

Flight case (1pc)

INFINIBAR PB6 8-Light Kit

Magnet (16pc)

Hex Key (1pc)

Straight Connector (8pc)

AC power cable 4m (1pc)

INFINIBAR PB6   fabric grid (8pc)

AC Power Cable 1.5m (8pc)

330W Power adapter (1pc)
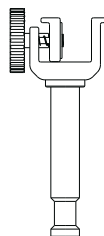
INFINIBAR Clamp (8pc)

48W Power Adapter (8pc)

INFINIBAR PB6 (8pc)
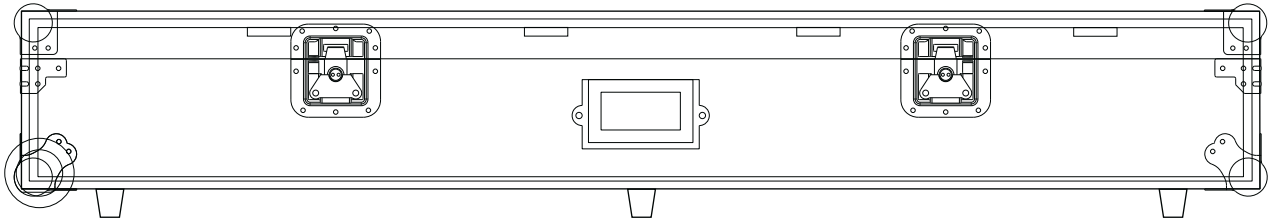
Flight case (1pc)

INFINIBAR PB3 16-Light Kit

Hex Key (1pc)
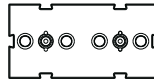
Straight Connector (16pc)
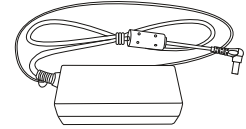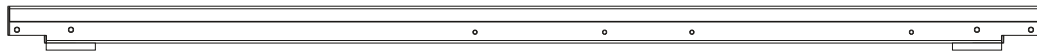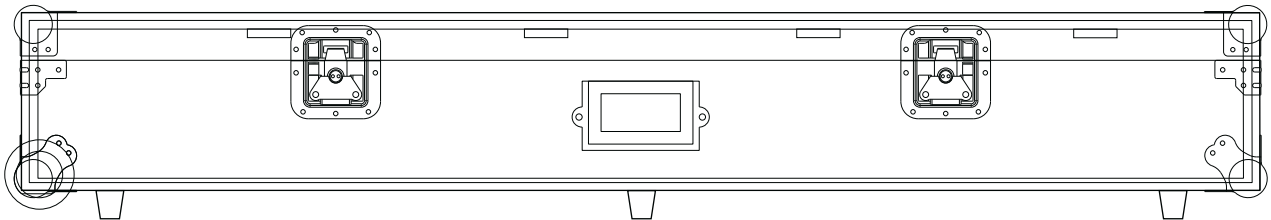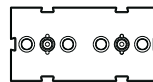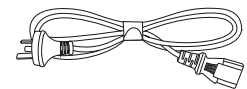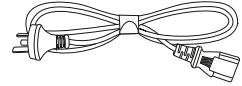
AC power cable 4m (1pc)
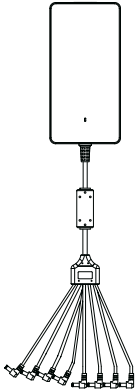
330W Power adapter (1pc)
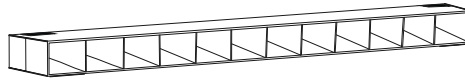
INFINIBAR PB3 fabric grid (16pc)
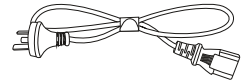
AC Power Cable 1.5m (8pc)
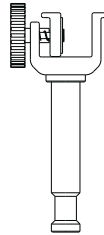
INFINIBAR Clamp (16pc)
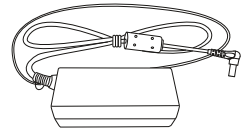
48W Power Adapter (8pc)

4-Way Power Splitter Cable (8pc)
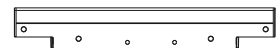
INFINIBAR PB3 (16pc)
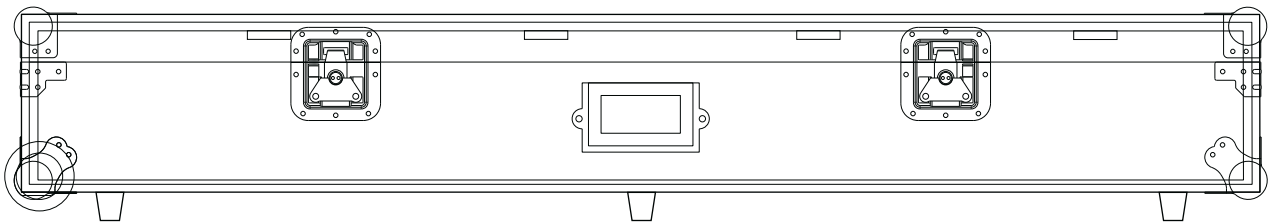
Flight case (1pc)

Tips: The illustrations in the manual are only diagrams for reference. Due to the continuous development of new versions of the product, if there are any differences between the product and the user manual diagrams, please refer to the product itself.

Product Details

1. Single lamp view

MENU

Power Switch

Magnet

INFINIBAR PB3

Aputure

Back

Function
Control Wheel

3/8" Screw Mount

OLED Screen

USB-C Update / DMX Port

24V DC Charge Port

1/4"-20 Screw Mount

24V DC Port
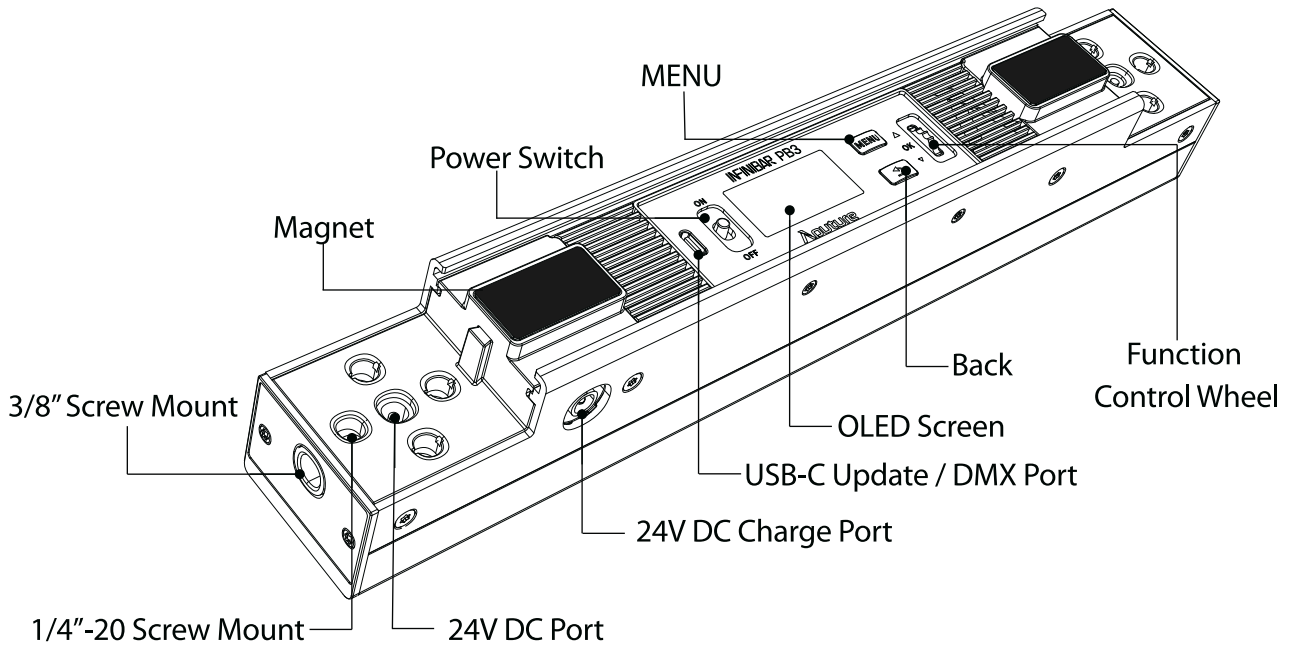
2. Multi-Light View
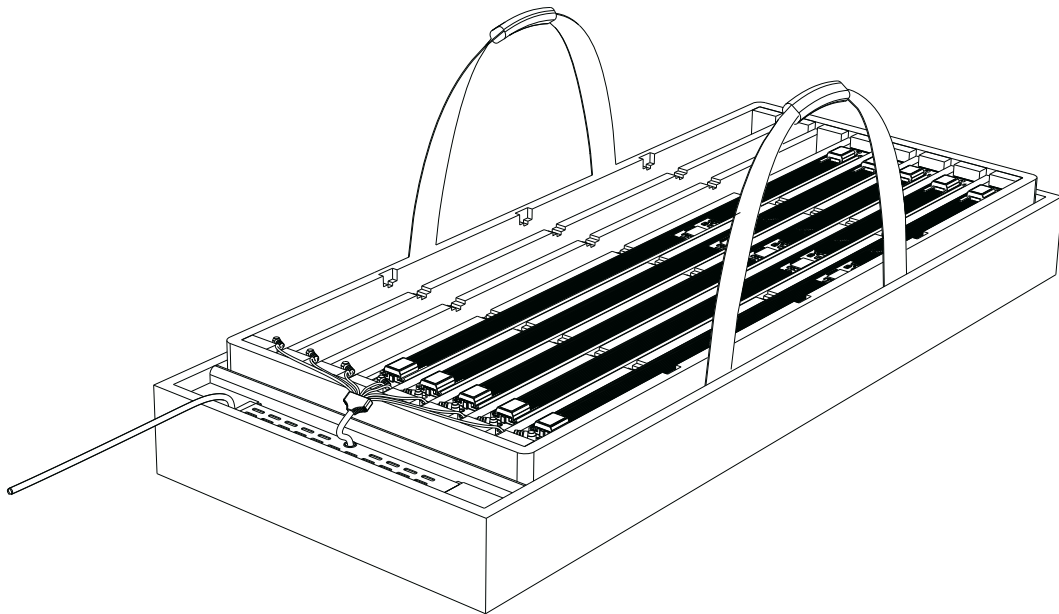
Installations

1. Magnets

INFINIBAR PB3

Aputure

Ferrous
Metal Surface

Ferrous
Metal Surface
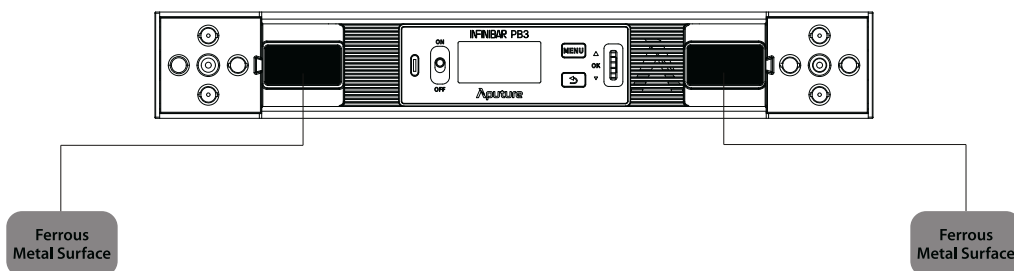
2. Connectors

Align the connector with the 1/4" thread holes and DC charge port on the back of the fixture and press it down, tighten screws with the hex key.
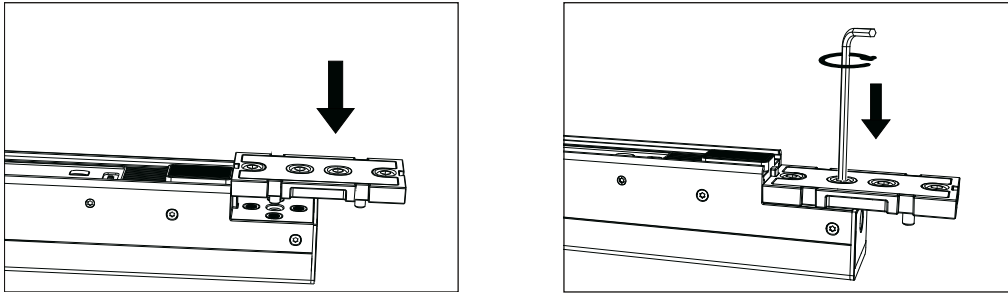
3. Connectors limit

Connect of the same style

	Non-closed loop connections	Closed loop connections
PB3	14 pcs	24 pcs
PB6	8 pcs	12 pcs
PB12	4pcs	6pcs

Connect of the different style

	Maximum power
With PB3	144 W
With PB6 or PB12	168W
Closed loop connections	240 W

When using the closed-loop connections, please ensure that infinibars are completely closed-loop, otherwise the connectors will be burned and the risk of short circuit will occur.

Operations

1. Power ON/OFF

Adjust the position of the power switch to turn the light on or off.
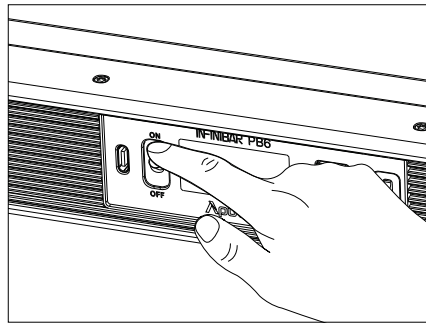
2. Powering up the Light

Use the power adapter to charge the lamp

AC 100V-240V
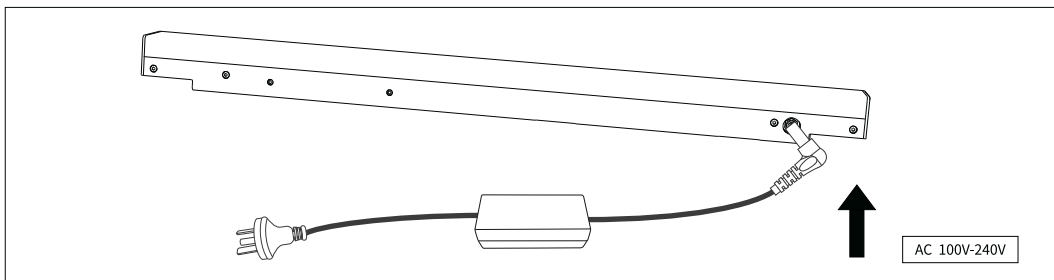
Use the flight case to charge the lamps

AC 100V-240V

AC 100V-240V
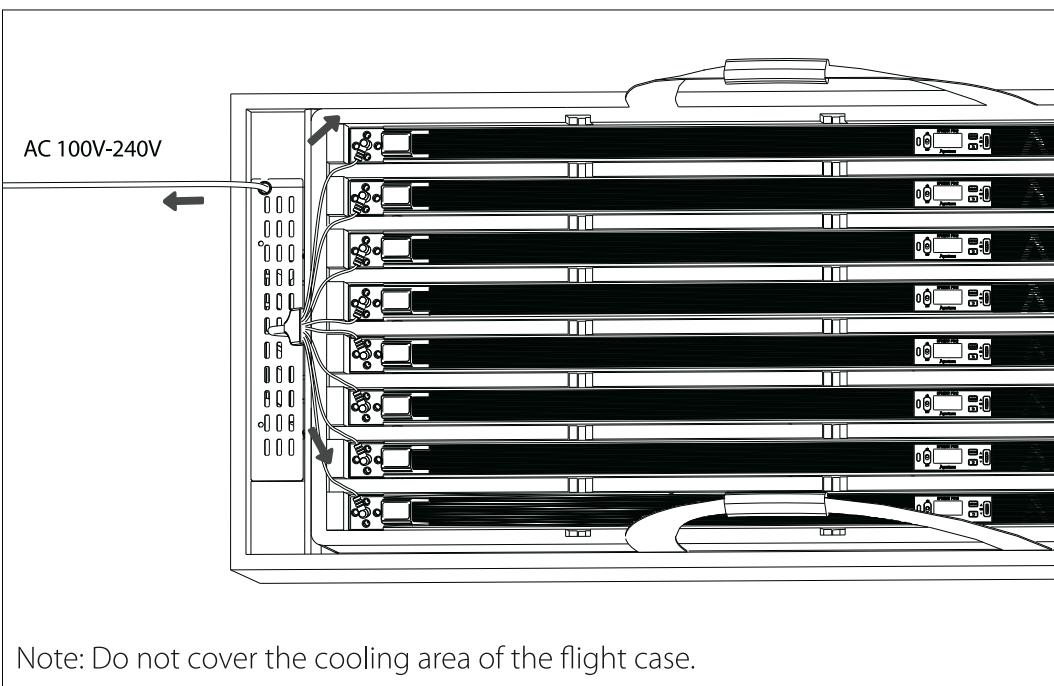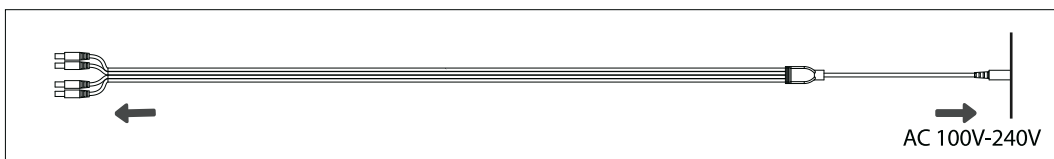
Note: Do not cover the cooling area of the flight case.

Charging rate will slow down when the light is powered on. Turn the light off for optimal charging.

3. Manual Control

3.1 UI Introducing

Current mode   Battery level   Battery remaining time   Wireless connection status

```
CCT    🔋 5m           *
INT           8.0%
CCT           5600K
G/M           0.0
```
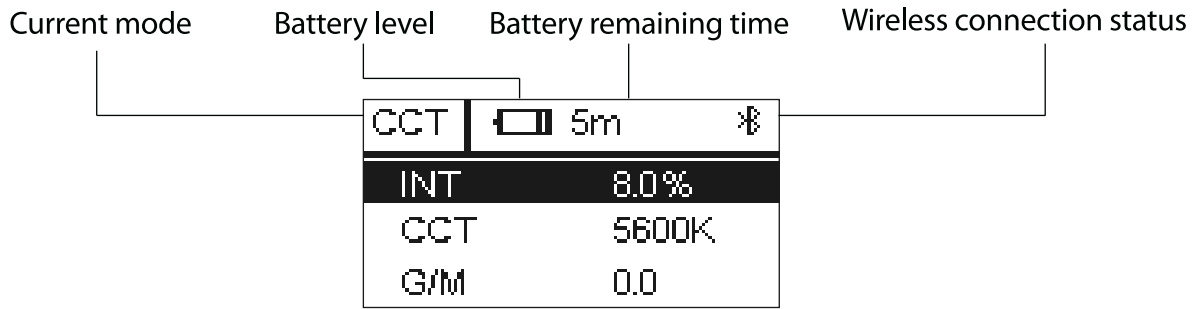
3.2 Menu

Press MENU to access the system menu, rotate and press the control wheel to select **CCT / HSI / RGB / FX / Custom FX / Overheat Prot. / Runtime / Freq. Selection / DMX Setting / CRMX Setting / BT Setting / /Studio Mode / Update / Language / Factory Reset / Product Info / Screensaver / Exit.**

3.3 CCT

Press MENU to access the system menu, rotate and press the control wheel to select CCT mode.

```
CCT    🔋 5m           *
INT           8.0%
CCT           5600K
G/M           0.0
```

INT (Intensity): 0 - 100 %;
CCT (Corelated color temperature): 2000 K - 10000 K;
G/M (Green / Magenta): -1.0 - +1.0;

3.4 HSI

Press MENU to access the system menu, rotate and press the control wheel to select CCT mode.

```
HSI    🔋 5m           *
INT           50.0%
HUE           360 °
SAT           100 %
```

INT (Intensity): 0 - 100 %;
HUE (Hue) : 0.1 - 360°;
SAT (Saturation): 0 - 100 %;
CCT (Corelated color temperature): 2000 K - 10000 K.

3.5 RGB

Press MENU to access the system menu, rotate and press the control wheel to select RGB mode.

```
RGB    🔋 5m           *
INT           50.0%
R             50.0%
G             50.0%
```

INT (Intensity): 0 - 100 %;
R (Red): 0 - 100 % ;
G (Green): 0 - 100 % ;
B (Blue): 0 - 100 % ;

3.6 FX

Press MENU to access the system menu, rotate and press the control wheel to select FX mode.

3.6.1 System FX

press the control wheel to select system FX, rotate and press the control wheel to select **Paparazzi Ⅱ /
Lightning Ⅲ / TV Ⅲ / Fire Ⅲ / Faulty Bulb Ⅲ / Pulsing Ⅲ / Cop car Ⅲ / Party Lights Ⅱ / Fireworks
Ⅱ.**
Each FX has multiple parameters that can be changed to customize the effects.

Paparazzi II	
INT:	50.0%
CCT:	5600K
G/M:	0.0 ▼

Lightning III	
INT:	50.0%
Mode:	CCT
CCT:	7500K ▼

TV III	
INT:	30.0%
Mode:	CCT
CCT Rang:	▼

Fire III	
INT:	48.0%
Mode:	CCT
CCT Rang:	▼

Faulty Bulb III	
INT:	50.0%
Mode:	CCT
CCT:	5600K ▼

Pulsing III	
INT:	50.0%
Mode:	CCT
CCT:	5600K ▼

Cop Car III	
INT:	50.0%
Color:	R+B
FRQ:	Quint ▼

Party Light II	
INT:	50.0%
SAT:	100%
Speed:	2S ▼

Fireworks II	
INT:	50.0%
Mode:	HUE
Intervals:	▼

3.6.2 Pixel FX

Press the control wheel to select system FX, rotate and press the control wheel to select **Color Fade / Color
Cycle / One Pixel Chase / Two Pixel Chase / Three Pixel Chase / Rainbow / Pixel Fire.**
Each FX has multiple parameters that can be changed to customize the effects.

```
┌──────────────────────────┐   ┌──────────────────────────┐
│        Color Fade        │   │       Color Cycle        │
├──────────────────────────┤   ├──────────────────────────┤
│ Color INT:  [  50.0%  ]  │   │ Color INT:  [  50.0%  ]  │
│ Color No:       4        │   │ Color No:       4        │
│ Color 1:   CCT5600K    ▼ │   │ Color 1:   CCT5600K    ▼ │
└──────────────────────────┘   └──────────────────────────┘

┌──────────────────────────┐   ┌──────────────────────────┐
│     One Color Chase      │   │     Two Color Chase      │
├──────────────────────────┤   ├──────────────────────────┤
│ Pixel INT:  [  50.0%  ]  │   │ Pixel INT:  [  50.0%  ]  │
│ Bkgd INT:     50.0%      │   │ Bkgd INT:     50.0%      │
│ Pixel Size:  S ▮M▮ L   ▼ │   │ Pixel Size:  S ▮M▮ L   ▼ │
└──────────────────────────┘   └──────────────────────────┘

┌──────────────────────────┐   ┌──────────────────────────┐
│    Three Color Chase     │   │         Rainbow          │
├──────────────────────────┤   ├──────────────────────────┤
│ Pixel INT:  [  50.0%  ]  │   │ Pixel INT:  [  50.0%  ]  │
│ Bkgd INT:     50.0%      │   │ Speed:      100cm/s      │
│ Pixel Size:  S ▮M▮ L   ▼ │   │ Move:    LT  ▮ RT ▮    ▼ │
└──────────────────────────┘   └──────────────────────────┘

           ┌──────────────────────────┐
           │        Pixel Fire        │
           ├──────────────────────────┤
           │ INT Range:               │
           │      [ 50.0% ]- 75.0%    │
           │ Bkgd INT:    50.0%     ▼ │
           └──────────────────────────┘
```

3.7 Custom FX

Press **MENU** to access the system menu, rotate and press the control wheel to select Custom FX. You can choose to enter Picker FX or Music FX. Each type can save 10 custom FXs. In the name of each FX, "NO FX" means unsaved FX, and "Untitled" means saved FX.

```
           ┌──────────────────────────┐
           │        Custom FX         │
           ├──────────────────────────┤
           │ Picker FX                │
           │ Music FX                 │
           │                          │
           └──────────────────────────┘
```

3.8 Overheat Protection

Press **MENU** to access the system menu, rotate and press the control wheel to select Overheat Protection.
Black Out: Black Out the fixture when it overheats.
Reduce Intensity: Set to 70% of the maximum intensity when INFINIBAR is overheated.

```
           ┌──────────────────────────┐
           │   Overheat Protection    │
           ├──────────────────────────┤
           │ □ Black Out              │
           │ ■ Reduce Intensity       │
           │                          │
           └──────────────────────────┘
```

3.9 Runtime

Press MENU to access the system menu, rotate and press the control wheel to select Runtime. Maximum brightness will be adjusted based on current power to set **2 / 4 / 6 / 8 hours**, or select **Standard** maximum power output.

```
┌─────────────────────────┐
│        Runtime          │
├─────────────────────────┤
│      ┌─────────┐        │
│      │ Standard │       │
│      └─────────┘        │
│                         │
└─────────────────────────┘
```
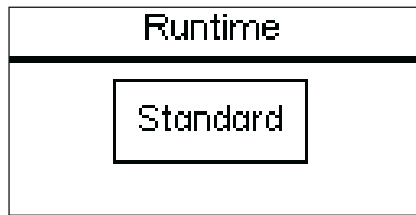
3.10 Freq. Selection

Press MENU to access the system menu, rotate and press the control wheel to select Freq. Selection. Rotate the control wheel to adjust the light frequency by 100Hz every turn.

```
┌─────────────────────────┐
│     Freq. Selection     │
├─────────────────────────┤
│                         │
│        + 0 HZ           │
│                         │
└─────────────────────────┘
```
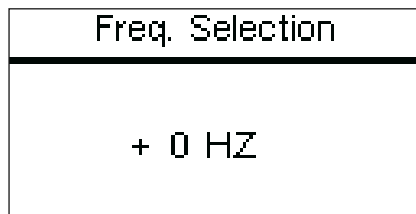
3.11 DMX Settings

Press **MENU** to access the system menu, rotate and press the control wheel to select DMX Setting.
DMX Address: Choose the DMX address of INFINIBAR, press and hold the control wheel for 2 seconds to lock/unlock the DMX address (Prevent accidental touch to exit DMX mode)
DMX Profiles: Rotate the control wheel and press to choose DMX profile.
DMX Loss Behavior:

1.Hold Last Setting: After DMX signal is lost, remember the last control setting
2.Black Out: when the DMX signal is lost, it will be Black out

3.Fade To Black: after DMX signal is lost, it will fade to Black in 60 seconds
4.Hold 2min & Fade Out: After the DMX signal is lost, keep the last control setting for two minutes, and then Fade to Black within 60 seconds

```
┌─────────────────────────┐   ┌─────────────────────────┐
│      DMX Settings       │   │      DMX Address        │
├─────────────────────────┤   ├─────────────────────────┤
│ DMX Address             │   │   ┌───────┐             │
│ DMX Profiles            │   │   │ 0 0 1 │    ⌐         │
│ DMX Loss Behavior    ▼  │   │   └───────┘             │
└─────────────────────────┘   └─────────────────────────┘

┌─────────────────────────┐   ┌─────────────────────────┐
│      DMX Profile        │   │   DMX Loss Behavior     │
├─────────────────────────┤   ├─────────────────────────┤
│ ■ 1.CCT & RGB           │   │ ■ Hold Last Settings    │
│ □ 2.CCT                 │   │ □ Black Out             │
│ □ 3.CCT & HSI        ▼  │   │ □ Fade To Black      ▼  │
└─────────────────────────┘   └─────────────────────────┘
```
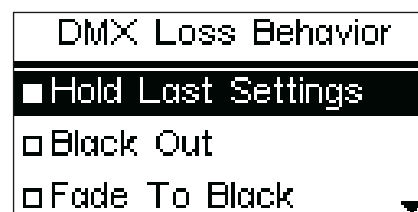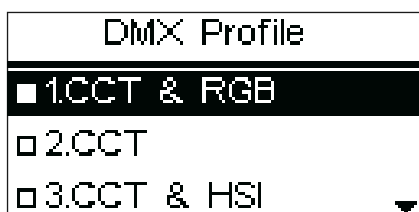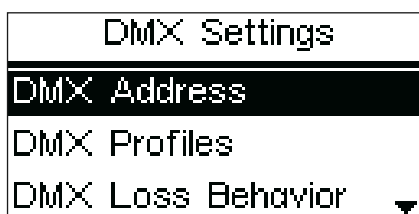
*The fade-out time decreases as the percentage of brightness decreases. When the brightness output is 100%, the fade-out time is 60 seconds, which decreases in sequence.

*If the signal is reconnected, the DMX console will continue to maintain the signal output as same as before

3.12 CRMX Settings

Press **MENU** to access the system menu, rotate and press the control wheel to select CRMX Setting mode.
CRMX Status: When CRMX Status is ON, it will continuously search for a pairable signal in the background to connect.
Unpair: Unpair will disconnects the currently established connection so that other signal transmitters can be paired.

```
┌─────────────────────────┐
│     CRMX Settings       │
├─────────────────────────┤
│ CRMX Status : OFF       │
│ Unpair                  │
│                         │
└─────────────────────────┘
```
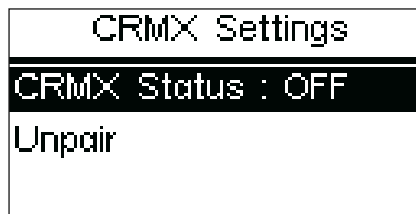
3.13 BT Setting

Press **MENU** to access the system menu, rotate and press the control wheel to select BT Setting mode.
BT Status: Rotate and press the control wheel to turn on/off Bluetooth.
BT Reset: Reset the INFINIBAR Bluetooth connection, and your mobile phone or tablet will be able to connect to and control the light with Sidus Link App.
BT UID: See the Bluetooth Unique Identifier.

```
┌─────────────────────────┐
│      BT Settings        │
├─────────────────────────┤
│ BT Status : ON          │
│ BT Reset                │
│ BT UID                  │
└─────────────────────────┘
```
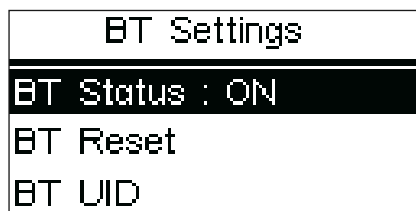
3.14 Studio Mode

Press **MENU** to access the system menu, rotate and press the control wheel to select Studio Mode.
Rotate and select "YES" or "NO" to turn on or turn off the Studio Mode.
When the studio mode is turned on, the power supply of the lamp can be turned on directly; when the studio mode is turned off, you need to turn on the toggle switch to running the lamp.

```
┌─────────────────────────┐
│      Studio Mode        │
├─────────────────────────┤
│                         │
│   ┌─────┐               │
│   │ YES │      NO       │
│   └─────┘               │
└─────────────────────────┘
```

3.15 Update

Press **MENU** to access the system menu, rotate and press the control wheel to select Update.
Update Firmware: Select " **Yes** " to update via USB-C.
Firmware update also be done via Sidus Link app using OTA (Over the Air Technology).
Firmware Version: See the current fixture firmware version.

```
┌─────────────────────┐
│       Update        │
├─────────────────────┤
│ Update Firmware     │
│ Firmware Version    │
│                     │
└─────────────────────┘
```

3.16 Language

Press MENU to access the system menu, rotate and press the control wheel to select Language, Rotate and press the control wheel to select **English** or **Simplified Chinese.**

```
┌─────────────────────┐
│      Language       │
├─────────────────────┤
│                     │
│ English    简体中文  │
│                     │
└─────────────────────┘
```

3.17 Factory Reset

Press **MENU** to access the system menu, rotate and press the control wheel to select Factory Reset.
Factory Setting:

```
┌─────────────────────┐
│   Factory Reset     │
├─────────────────────┤
│                     │
│   YES       NO      │
│                     │
└─────────────────────┘
```
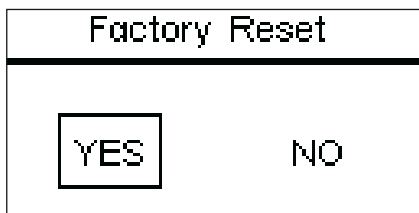
Light Mode: Intensity 50%, CCT 5600K, G/M 0;
Language: English;
BT Status: ON;
DMX: Address 001, Profile CCT&RGB, Hold Last Setting.Overheat Protection: Reduce Intensity
Runtime: Standard

3.18 Product Info

Press **MENU** to access the system menu, rotate and press the control wheel to select Product Info to see **Hardware Version .**

```
┌─────────────────────┐
│    Product Info     │
├─────────────────────┤
│ Hardware Version    │
│                     │
│                     │
└─────────────────────┘
```

3.19 Screensaver

Press **MENU** to access the system menu, rotate and press the control wheel to select Screensaver mode. You can choose to turn the screensaver on after **30/60/120 minutes** or **turn** it **off.**
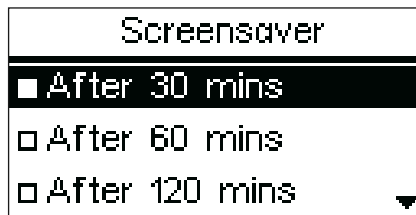
3.20 Exit
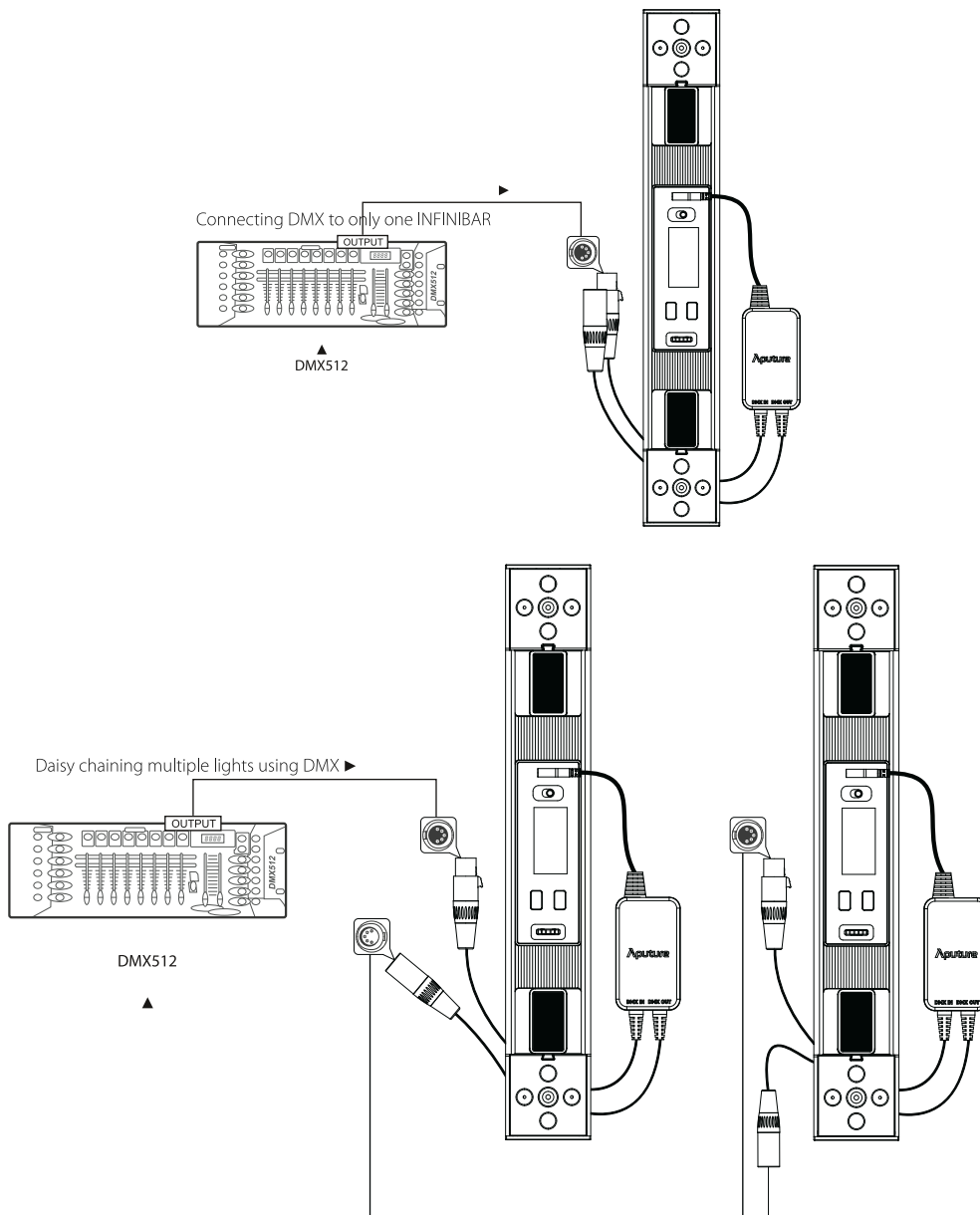
Press **MENU** to access the system menu, rotate and press the control wheel to select Exit. It will go back to the previous interface.

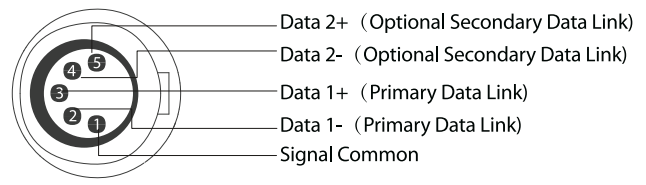# 4. DMX Control
4.1 Connect a standard DMX controller

Connecting DMX to only one INFINIBAR

DMX512

Daisy chaining multiple lights using DMX ▶

DMX512

USB-C to 5-Pin XLR In & Out adapter sold separately

4.2 DMX Interface

Data 2+ （Optional Secondary Data Link）
Data 2- （Optional Secondary Data Link）
Data 1+ （Primary Data Link）
Data 1- （Primary Data Link）
Signal Common

Data 2+ （Optional Secondary Data Link）
Data 2- （Optional Secondary Data Link）
Data 1+ （Primary Data Link）
Data 1- （Primary Data Link）
Signal Common
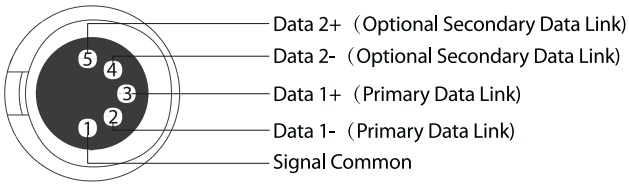
4.3 Channel selection

In DMX mode, match the channel of your DMX controller with the light, and then adjust accordingly.

The default DMX channel is 001.

The range of DMX channels is 1 to 512.

4.4 DMX Profile

The INFINIBAR offers a variety of DMX modes. Please find a detailed overview of all DMX modes in the document, DMX Chart is available for free download on the Aputure official website https://www.aputure.com.

5.Using the Sidus Link APP

You can download the Sidus Link app from the iOS App Store or Google Play Store for enhancing the functionality of the light. Please visit Sidus.link/app/ help for more details regarding how to use the app to control your Aputure lights.

Get Sidus Link ® App   Sidus.link/app/help

Specifications

Adapter Input Power	PB3: 10W PB6: 20W PB12: 40W	**Power Output**	PB3: 6.5W PB6: 14W PB12: 27W
CCT Range	2000 K - 10000 K	**Battery**	PB3: 7.4 V/2000 mAh PB6: 7.4 V/4000 mAh PB12: 7.4 V/8000 mAh
CRI	≥ 96	**Battery Runtime**	100% Intensity: PB3: 120 mins PB6: 100 mins PB12: 80 mins
TLCI	≥ 98	**Charging time**	PB3: 115 mins PB6: 115 mins PB12: 210 mins
Control Methods	Sidus Link APP, DMX ,CRMX, On-board	**Operating Temperature**	-10 - +45℃
Dimensions (L x W x H)	PB3: 304 x 45 x 52 mm / 12.0 x 1.7 x 2.0 in PB6: 604 x 45 x 43 mm / 23.8 x 1.7 x 1.7 in PB12: 1204 x 45 x 43 mm / 47.4 x 1.7 x 1.7 in	**Weight**	PB3: 598 g / 1.3 lbs PB6: 1000 g / 2.2 lbs PB12: 1955 g / 4.3 lbs
Flight case maximum charging power	270 W	**Flight case Size**	1436×595×216 mm / 57×23×9 in
Weight (Flight case)	20 kg / 44 lbs	**Weight (with lamps)**	55 kg / 121 lbs

This data is based on average brightness measurements, there will be slight variations between lights.

Photometrics

INFINIBAR PB3

CCT	0.5 m	1 m
2,000 K	448 lux	85 lux
2,700 K	486 lux	127 lux
3,200 K	512 lux	130 lux
4,300 K	540 lux	137 lux
5,600 K	545 lux	144 lux
6,500 K	544 lux	147 lux
7,500 K	544 lux	145 lux
10,000K	497 lux	135 lux
R	111 lux	40 lux
G	353 lux	98 lux
B	56 lux	20 lux

INFINIBAR PB6

CCT	0.5 m	1 m
2,000 K	635 lux	200 lux
2,700 K	935 lux	282 lux
3,200 K	940 lux	288 lux
4,300 K	978 lux	301 lux
5,600 K	1026 lux	317 lux
6,500 K	1048 lux	326 lux
7,500 K	1046 lux	328 lux
10,000K	960 lux	288 lux
R	189 lux	78 lux
G	608 lux	188 lux
B	97 lux	39 lux

INFINIBAR PB12

CCT	0.5 m	1 m
2,000 K	975 lux	350 lux
2,700 K	1350 lux	532 lux
3,200 K	1410 lux	542 lux
4,300 K	1500 lux	564 lux
5,600 K	1600 lux	593 lux
6,500 K	1650 lux	607 lux
7,500 K	1650 lux	617 lux
10,000K	1510 lux	563 lux
R	227 lux	85 lux
G	793 lux	297 lux
B	131 lux	49 lux

Detailed Parameters of FX Control

System FX

Paparazzi Ⅱ					
INT	0% - 100%				
CCT	2000 K - 10000 K				
G/M	-1.0 - +1.0				
Intervals	[0.2S - 1.0S] - [2.0S - 18.0S]				
Status	Stop / Loop				

Lightning Ⅲ					
INT	0% - 100%				
Mode	CCT	2000 K - 10000 K	G/M	-1.0 - +1.0	
	HSI	1 - 360°	SAT	0 - 100 %	
			CCT	2000 K - 10000 K	
Intervals	[1.5S - 3.0S] - [2.6S - 30.0S]				
Status	Stop / Trigger /Loop				

TV Ⅲ					
INT	0% - 100%				
Mode	CCT Range	[2000 K - 9900 K] - [2100 K - 10000 K]	G/M	-1.0 - +1.0	
	HSI Range	[0° - 359°] - [1° - 360 °]	SAT	0 - 100 %	
			CCT	2000 K - 10000 K	
Intervals	[0.5S - 2S] - [5.0S - 15.0S]				
Status	Stop / Loop				

Fire Ⅲ					
INT	0% - 100%				
Mode	CCT Range	[1400 K - 9900 K] - [1800 K - 10000 K]	G/M	-1.0 - +1.0	
	HSI Range	[0° - 359°] - [1° - 360 °]	SAT	0 - 100 %	
			CCT	2000 K - 10000 K	
FRQ	60 - 240 /min				
Status	Stop / Loop				

Faulty Bulb Ⅲ					
INT	0% - 100%				
Mode	CCT	2000 K - 10000 K	G/M	-1.0 - +1.0	
	HSI	1 - 360°	SAT	0 - 100 %	
			CCT	2000 K - 10000 K	
Intervals	[0.3S - 1.8S] - [1.8S - 7.5S]				
Status	Stop / Loop				

Pulsing Ⅲ					
INT	0% - 100%				
Mode	CCT	2000 K - 10000 K	G/M	-1.0 - +1.0	
	HSI	1 - 360°	SAT	0 - 100 %	
			CCT	2000 K - 10000 K	
Pluses	10 - 200 /min				
Status	Stop / Loop				

Cop Car Ⅲ		
INT	0% - 100%	
Colors	R / B / R+B / B+W /R+B+W	
FRQ	Single / Double / Quad / Quint / Quint all / Cycle	
Status	Stop / Loop	

Party Light II	INT	0% - 100%
	SAT	0 - 100%
	Speed	1 - 60S
	Status	Stop / Loop

Firework II	INT	0% - 100%
	Mode	CCT / HUE / CCT+HUE
	Intervals	[0.5S - 9S] - [2.0S - 11.0S]
	Status	Stop / Loop

Pixel FX

Color Fade	INT	0% - 100%
	Color No	1 / 2 / 3 / 4
	Color 1	Black /
	Color 2	HUE: 30° / 60° / 90° / 120° / 150° / 180° / 210° / 240° / 270° / 300° / 300° /360°
	Color 3	/
	Color 4	CCT: 2500K 3200K / 4300K / 5600K / 6500K / 7500K
	Speed	1 - 640 cm/s
	Move	Left / Right
	Status	Play / Pause / Stop

Color Cycle	INT	0% - 100%
	Color No	1 / 2 / 3 / 4
	Color 1	Black /
	Color 2	HUE: 30° / 60° / 90° / 120° / 150° / 180° / 210° / 240° / 270° / 300° / 300° /
	Color 3	360° /
	Color 4	CCT: 2500K 3200K / 4300K / 5600K / 6500K / 7500K
	Transfer	Step / Smooth
	Speed	0.1 - 10.0S
	Move	Left / Right
	Status	Play / Pause / Stop

One Pixel Chase	Pixel INT	0% - 100%
	Bkgd INT	0% - 100%
	Pixel Size	S / M / L
	Departure	1 Way / 2 Way
	Color 1	Black (Blackground Only)/
	Color 2	HUE: 30° / 60° / 90° / 120° / 150° / 180° / 210° / 240° / 270° / 300° / 300° /
	Blackground	360° /
		CCT: 2500K 3200K / 4300K / 5600K / 6500K / 7500K
	Speed	1 - 640 cm/s
	Move	Left / Right / Loop (1 Way) Bounce / Cross (2 Way)
	Status	Play / Pause / Stop

Two Pixel Chase	Pixel INT	0% - 100%
	Bkgd INT	0% - 100%
	Pixel Size	S / M / L
	Departure	1 Way / 2 Way
	Color 1	Black (Blackground Only)/
	Color 2	HUE: 30° / 60° / 90° / 120° / 150° / 180° / 210° / 240° / 270° / 300° / 300° /360°
	Color 3	/
	Color 4	CCT: 2500K 3200K / 4300K / 5600K / 6500K / 7500K
	Blackground	
	Speed	1 - 640 cm/s
	Move	Left / Right / Loop (1 Way) Bounce / Cross (2 Way)
	Status	Play / Pause / Stop

Three Pixel Chase	Pixel INT	0% - 100%
	Bkgd INT	0% - 100%
	Pixel Size	S / M / L
	Departure	1 Way / 2 Way
	Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Blackground	Black (Blackground Only)/ HUE: 30° / 60° / 90° / 120° / 150° / 180° / 210° / 240° / 270° / 300° / 300° /360° / CCT: 2500K 3200K / 4300K / 5600K / 6500K / 7500K
	Speed	1 - 640 cm/s
	Move	Left / Right / Loop (1 Way) Bounce / Cross (2 Way)
	Status	Play / Pause / Stop

Rainbow	INT	0% - 100%
	Speed	1 - 640 cm/s
	Move	Left / Right
	Status	Play / Pause / Stop

Pixel Fire	INT Range	[0% - 75%] - [25% - 100%]
	Bkgd INT	0% - 100%
	Fire 1 Blackground	Black / HUE: 30° / 60° / 90° / 120° / 150° / 180° / 210° / 240° / 270° / 300° / 300° /360° / CCT: 2500K 3200K / 4300K / 5600K / 6500K / 7500K
	Frequency	1 - 10 Hz
	Move	Horizontal / Vertical
	Status	Play / Pause / Stop