

# MT Pro

Product Manual

English

# Introduction

Thank you for purchasing the Aputure® MT Pro.

Aputure MT Pro is a full spectrum mini LED tube light for cinematographers and lighting professionals. Featuring total color and pixel control in a compact form factor, the MT Pro is your new filmmaking paintbrush. Granting you true creative freedom, the MT Pro utilizes advanced wireless connectivity with our innovative Sidus Link mobile app and the industry-standard Lumenradio CRMX for wireless DMX adjustability.

Meet the MT Pro. All the color you need in the palm of your hand.

## 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.

### WARNING

Please keep MT Pro away from diskette, credit cards, monitors, mechanical watches, mobile phones, medical devices (pacemakers), etc.



2. Close supervision is necessary when any fixture is used by or near children. Do not leave the fixture unattended while in use.
3. Care must be taken as burns can occur from touching hot surfaces.
4. 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.
5. 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 carrying case.
6. To reduce the risk of electric shock, do not immerse this fixture in water or any other liquids.
7. To reduce the risk of fire or electric shock, do not disassemble this fixture. Contact [cs@aputure.com](mailto: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.
8. 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.
9. Please do not place the LED lighting fixture near any flammable object.
10. Only use a dry microfiber cloth to clean the product.
11. Please do not use the light fixture in wet condition on account of electric shock may be caused.
12. 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.
13. 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.
14. 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.
15. 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 modifications 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.

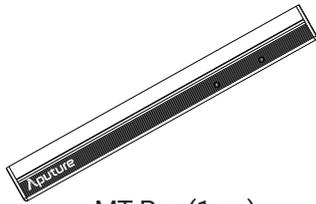
1. Increase the separation between the equipment and receiver.
2. Connect the equipment to an outlet on a different circuit than the receiver is connected to.
3. Consult the dealer or an experienced radio/TV technician for help

## RF Warning Statement:

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

# Components List

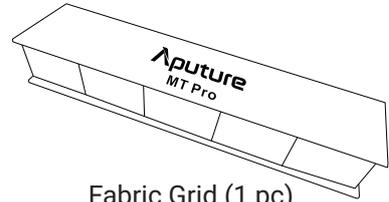
Please make sure all accessories listed below are found before using. If not, contact your seller immediately.



MT Pro (1 pc)



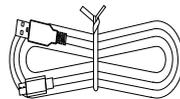
Desktop Tripod (1 pc)



Fabric Grid (1 pc)



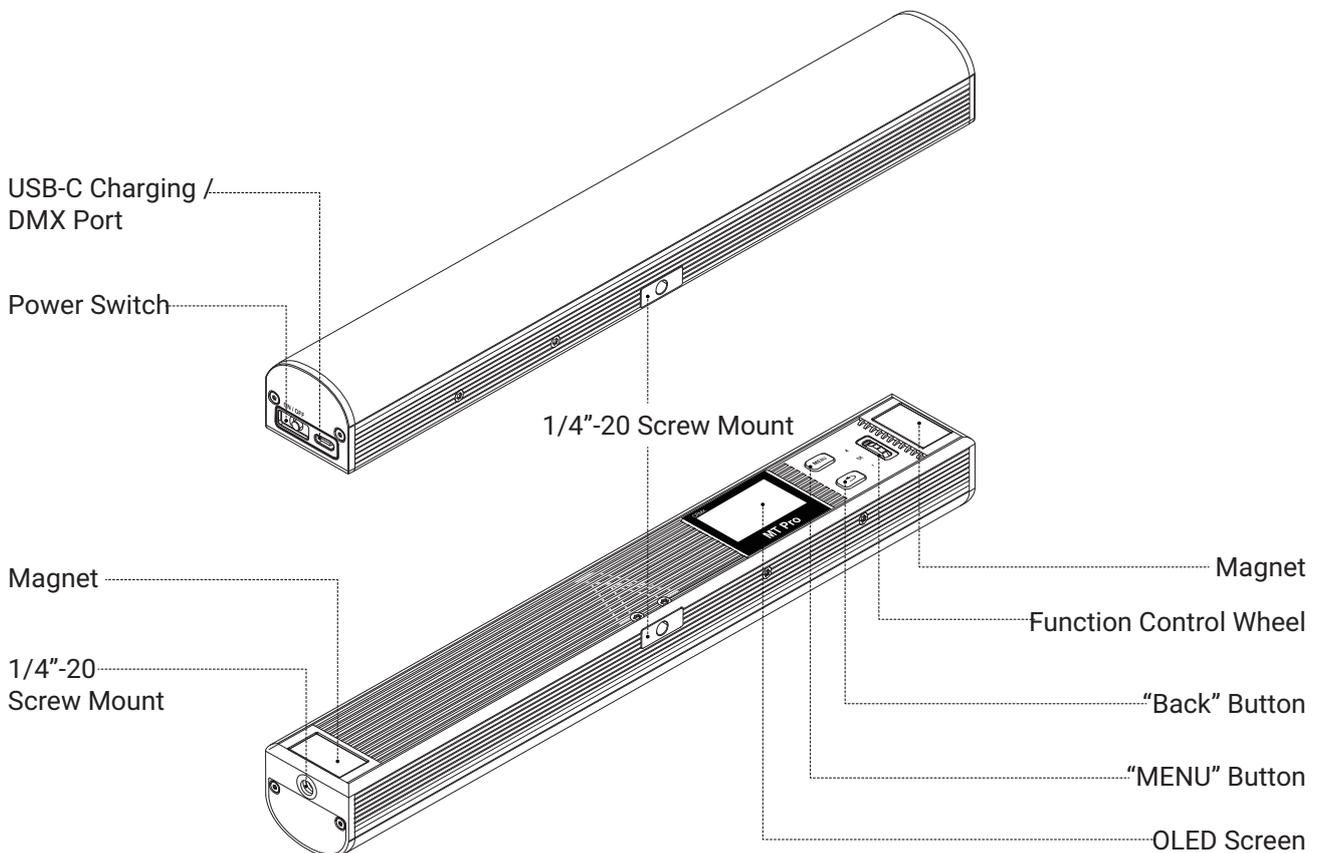
Carrying Case (1 pc)



Type-C Charging Cable 1m (1 pc)

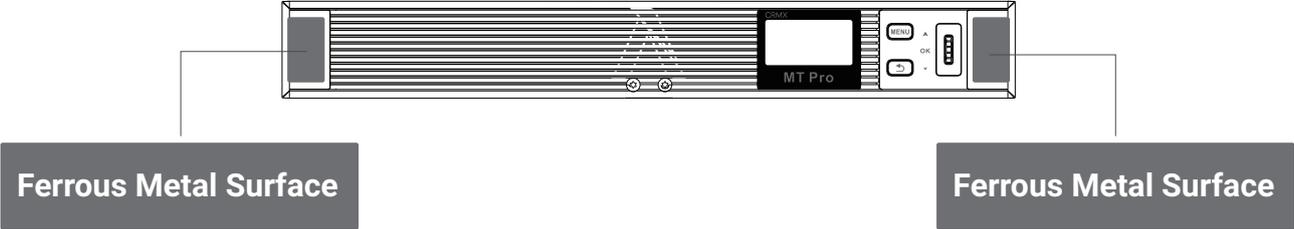
\* The illustrations in the manual are only diagrams for reference. Due to the continuous development of new versions of the product, if there are any differences between the product and the user manual diagrams, please refer to the product itself.

## Product Details



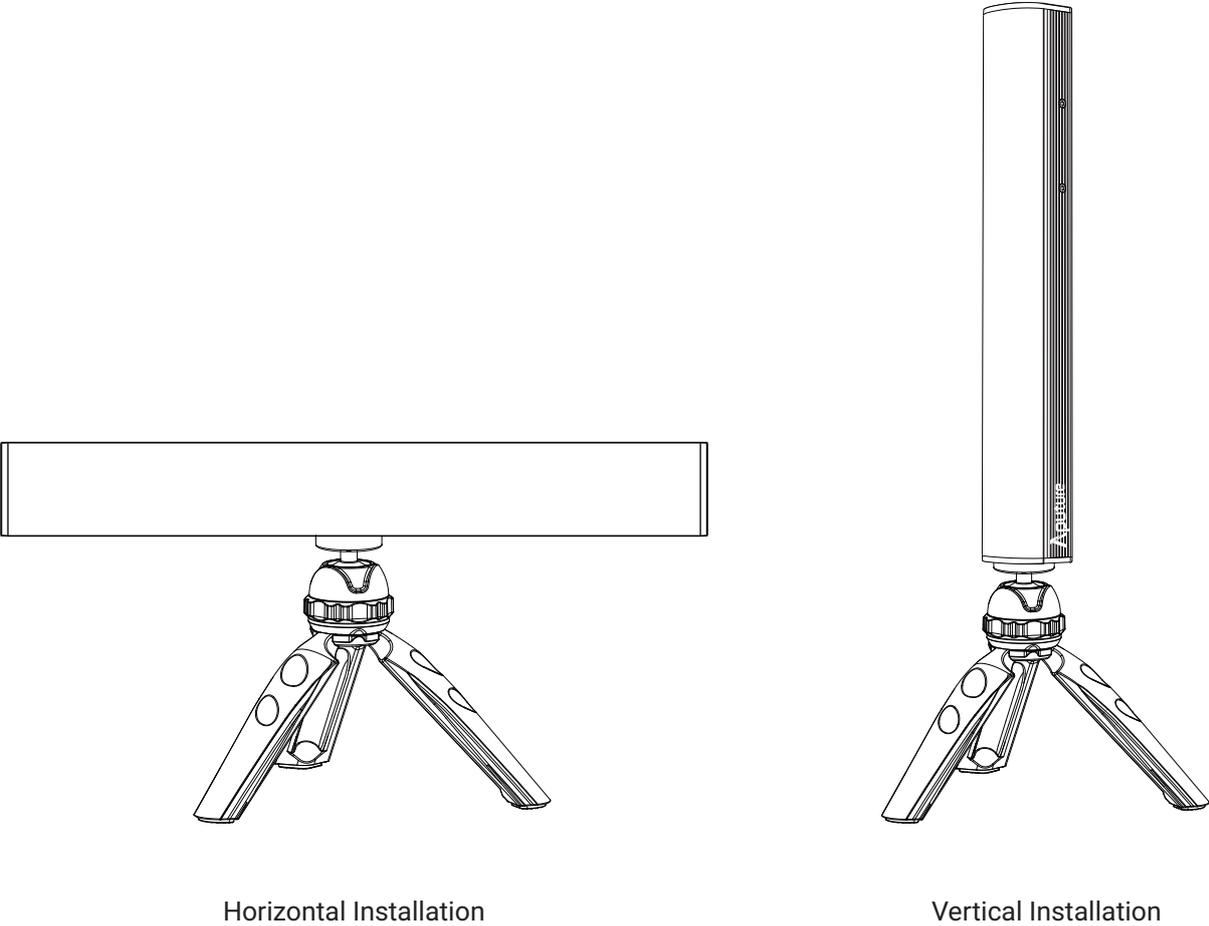
# Installations

## 1. Magnets



**WARNING**  
Do not install MT Pro on any surface where the temperature is above 80°C, as this may damage the magnet.

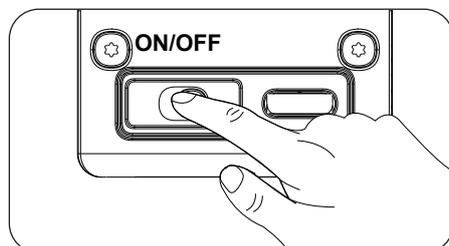
## 2. Desktop Tripod



# Operations

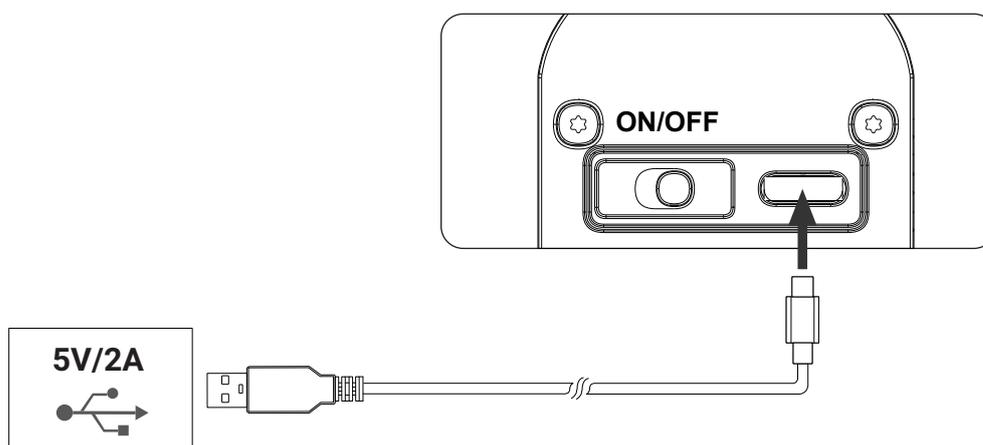
## 1. Power ON/OFF

Adjust the position of the power switch to turn the light on or off.



## 2. Type-C charging

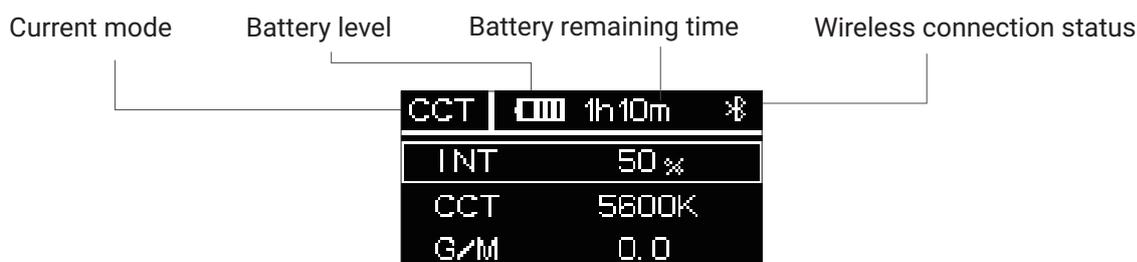
As the light is charging, the on-screen battery level indicator will animate to show the battery's status. After the battery is fully charged, the battery level indicator will be displayed as full.



- \* Please use the included USB-C cable to charge MT Pro. Using a different cable won't guarantee optimal charging.
- \* Supports 5V/2A charging via charger or power banks.
- \* 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



### 3.2 Menu

Press MENU to access the system menu, rotate and press the control wheel to select **CCT / HSI / RGB / FX / Custom FX / DMX Setting / CRMX Setting / BT Setting / 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	1h10m
INT	50 %
CCT	5600K
G/M	0.0

INT (Intensity): 0.0 - 100.0 %  
 CCT (Correlated Color Temp.): 2000 K - 10000 K  
 G/M (Green / Magenta adjustment): -1.0 - +1.0

### 3.4 HSI

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

HSI	1h10m
INT	50 %
HUE	360 °
SAT	100 %

INT (Intensity): 0.0 - 100.0 %  
 HUE (Hue): 0.1 - 360.0°  
 SAT (Saturation): 0.0 - 100.0 %  
 CCT (Correlated Color Temp.): 2000 K - 10000 K

### 3.5 RGB

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

HSI	1h10m
INT	50 %
HUE	360 °
SAT	100 %

INT (Intensity): 0.0 - 100.0 %  
 R (Red): 0.0 - 100.0 %  
 G (Green): 0.0 - 100.0 %  
 B (Blue): 0.0 - 100.0 %

### 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 IV / Fire III / Faulty Bulb III / Pulsing III / Cop car III / Party Lights II/ Fireworks II.**

Paparazzi II	
INT:	50 %
CCT:	5600K
G/M:	0.0

Lightning III	
INT:	50 %
Mode:	CCT
CCT:	7500K

TV III	
INT:	50 %
Mode:	CCT
CCT Range:	

Fire III	
INT:	50 %
Mode:	CCT
CCT Range:	

Faulty Bulb III	
INT:	50 %
Mode:	CCT
CCT:	5600K

Pulsing III	
INT:	50 %
Mode:	CCT
CCT:	5600K

Cop Car III	
INT:	50 %
Colors:	R+B
FRQ:	Quint

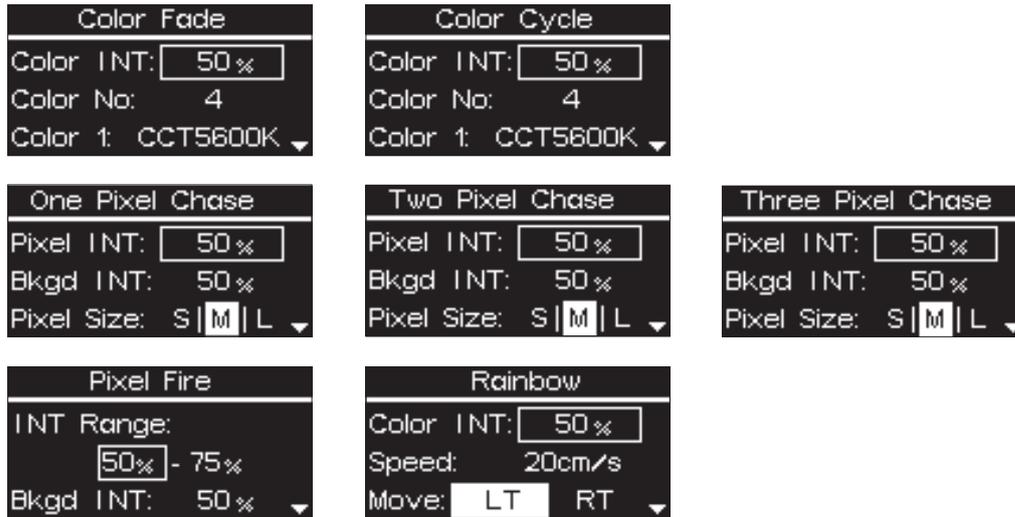
Party Lights II	
INT:	50 %
SAT:	100 %
Speed:	2S

Fireworks II	
INT:	50 %
Mode:	HUE
Intervals:	

\* Please refer to page 12-14 for detailed parameter info

### 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**.



\* Please refer to page 12 - 14 for detailed parameter info

### 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.



### 3.8 DMX Setting

Press MENU to access the system menu, rotate and press the control wheel to select DMX Setting.

**DMX Address:** Choose the DMX address of MT Pro, 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



\* 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.

### 3.9 CRMX Setting

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.



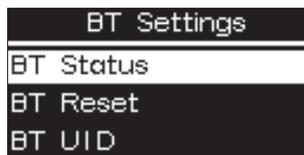
### 3.10 BT Setting

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 MT Pro 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.



### 3.11 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**.



### 3.12 Factory Reset

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

Factory Setting:

Light Mode: Intensity 50%, CCT 5600K;

Language: English;

BT Status: ON;

DMX: Address 001, Profile CCT&RGB, Hold Last Setting.



### 3.13 Product Info

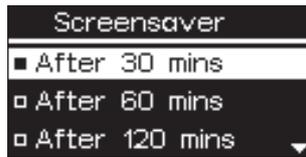
Press MENU to access the system menu, rotate and press the control wheel to select Product Info to see

**Firmware Version / Hardware Version.**



### 3.14 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**.



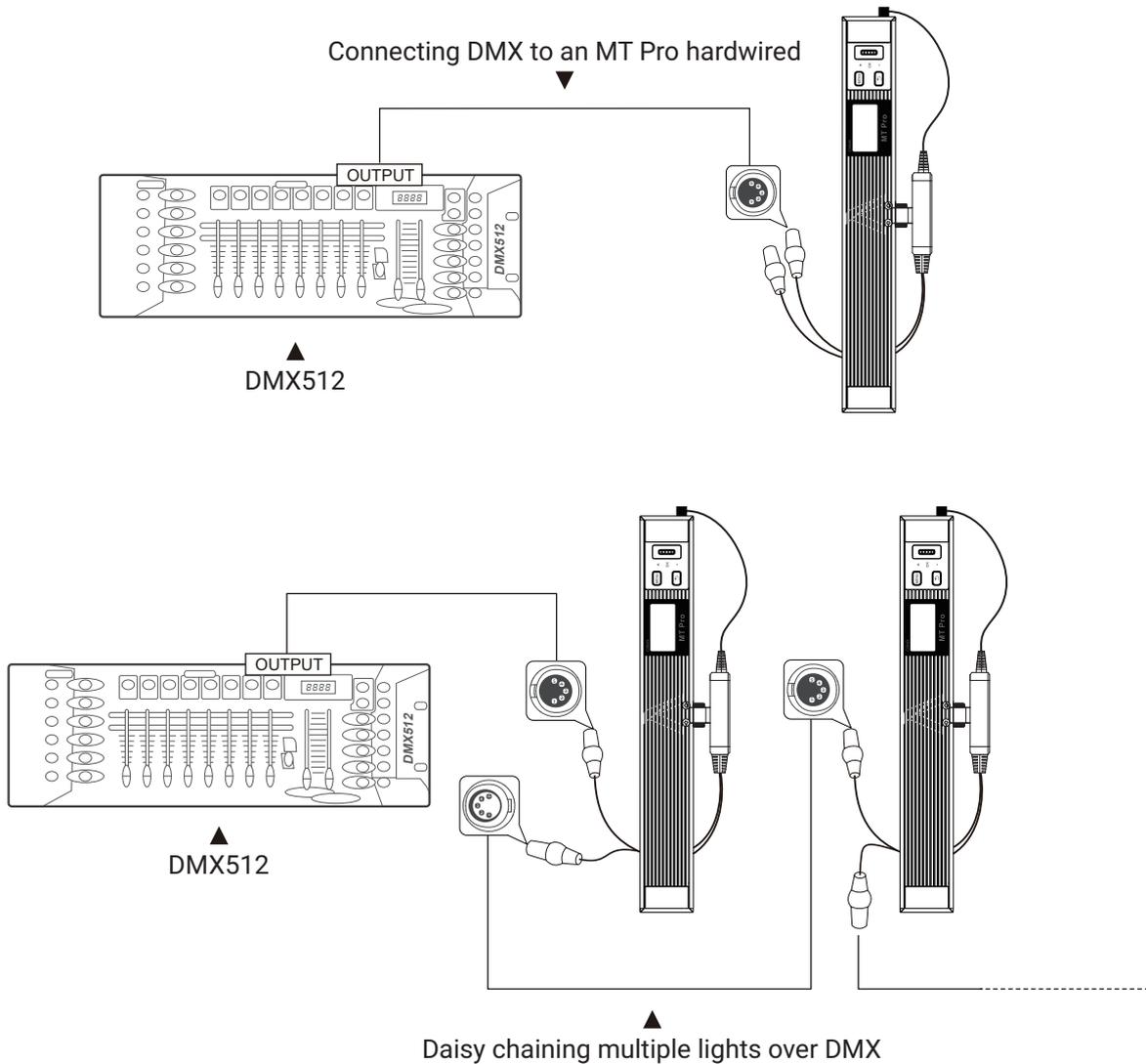
**WARNING**  
Turning off screensaver may cause screen burn-in.

### 3.15 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.

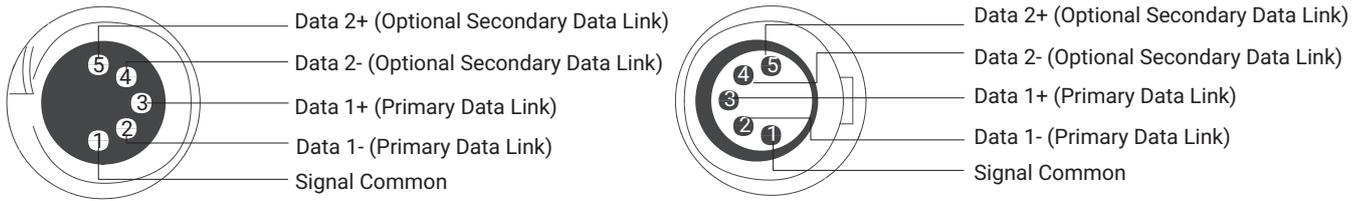
## 4. Wired DMX Control

### 4.1 Connect to a standard DMX controller



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

## 4.2 DMX Interface Info



## 4.3 DMX Profile

The MT Pro 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](https://www.aputure.com) for more details regarding how to use the app to control your Aputure lights.



Get Sidus Link<sup>®</sup> App



[Sidus.link/app/help](https://www.aputure.com)

## Specifications

<b>Power Input</b>	9W	<b>Power Output</b>	7.5W
<b>CRI</b>	95	<b>Battery</b>	3.7 V / 4200 mAh
<b>TLCI</b>	98	<b>Battery Runtime</b>	100%: 2 hours
<b>CQS</b>	96	<b>Charging time</b>	2 hours(USB DC 5 V / 2 A)
<b>CCT Range</b>	2000 - 10000 K	<b>Operating Temperature</b>	-10°C - +45°C
<b>Weight</b>	391 g / 0.86 lbs	<b>Dimensions (L x W x H)</b>	40 x 35 x 300 mm / 1.57 x 1.38 x 11.81 in
<b>Control Methods</b>	Sidus Link APP, DMX,CRMX, On-board		

# Photometrics

CCT	Distance	Bare Bulb	Fabric Grid
2700K	0.5m	526 lux / 48fc	471 lux / 43fc
	1m	143 lux / 13fc	128 lux / 11fc
3200K	0.5m	532 lux / 49fc	476 lux / 44fc
	1m	144 lux / 13fc	129 lux / 11fc
5600K	0.5m	585 lux / 54fc	523 lux / 48fc
	1m	159 lux / 14fc	142 lux / 13fc
6500K	0.5m	614 lux / 57fc	549 lux / 51fc
	1m	167 lux / 15fc	149 lux / 13fc
7500K	0.5m	577 lux / 53fc	515 lux / 47fc
	1m	157 lux / 14fc	140 lux / 13fc
10000K	0.5m	514 lux / 47fc	460 lux / 42fc
	1m	139 lux / 12fc	125 lux / 11fc
R	0.5m	151 lux / 14fc	142 lux / 13fc
	1m	42 lux / 3fc	37 lux / 3fc
G	0.5m	253 lux / 23fc	225 lux / 20fc
	1m	70 lux / 6fc	61 lux / 5fc
B	0.5m	56 lux / 5fc	48 lux / 4fc
	1m	18 lux / 1fc	12 lux / 1fc

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

# Detailed Parameters of FX Control

## System FX

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

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

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

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

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

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

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

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

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

## Pixel FX

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

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

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

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

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

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

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