

Flexible Pixel Strip

User Manual



1. Introduction



Important environmental information about this product

This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling.

■ This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.

Thank you for choosing this product! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, don't install or use it and contact your dealer.

2. Safety Instructions

	Keep this device away from children and unauthorized users.
	Risk of electroshock when opening the cover. Touching live wires can cause life-threatening electroshock. Do not disassemble or open the housing yourself. Have the device repaired by qualified personnel.
	There are no user-serviceable parts inside the device. Refer to an authorized dealer for service and/or spare parts.
	Do not stare directly at the light source , as this may cause epileptic seizure in sensitive people temporarily loss of sight (flash blindness) permanent (irreversible) eye damage.
	Have the device installed/repared by a qualified person.

3. General Guidelines

Refer to the Service and Quality Warranty

	Keep this device away from dust and extreme temperatures. Make sure the ventilation openings are clear at all times. For sufficient air circulation, leave at least 1" (\pm 2.5 cm) in front of the openings.
	Protect this device from shocks and abuse. Avoid brute force when operating the device.

- Familiarize yourself with the functions of the device before actually using it.
- All modifications of the device are forbidden for safety reasons. Damage caused by user modifications to the device is not covered by the warranty.
- Only use the device for its intended purpose. Using the device in an unauthorized way will void the warranty.
- Damage caused by disregard of certain guidelines in this manual is not covered by the

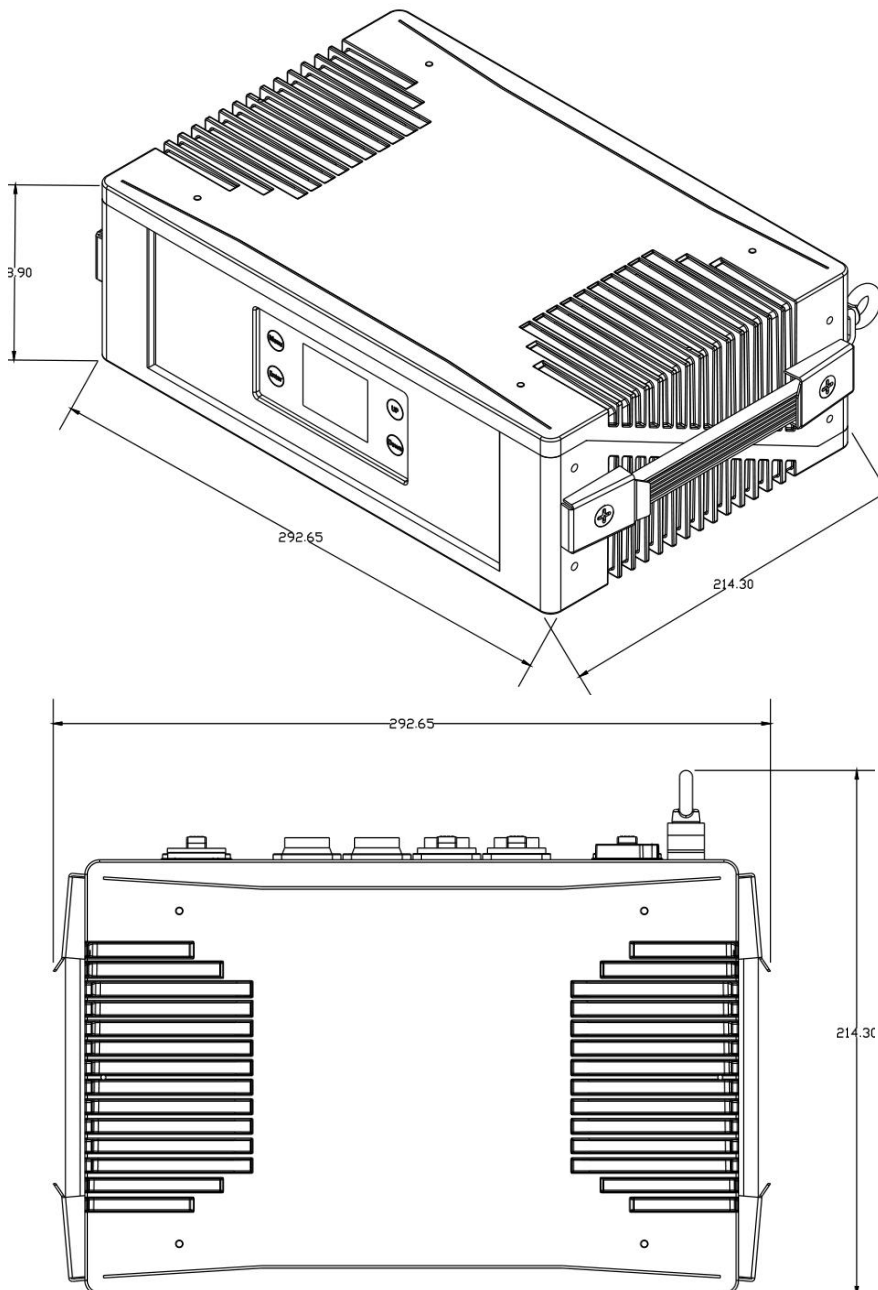
warranty and the dealer will not accept responsibility for any ensuing defects or problems.

- Due to constant product improvements, the actual product appearance might differ from the shown images.
- Product image
- Keep this manual for Features are for illustrative purposes only.
- Do not switch the device on immediately after it has been exposed to changes in temperature. Protect the device against damage by leaving it switched off until it has reached room temperature.
- reference.

4. Overview

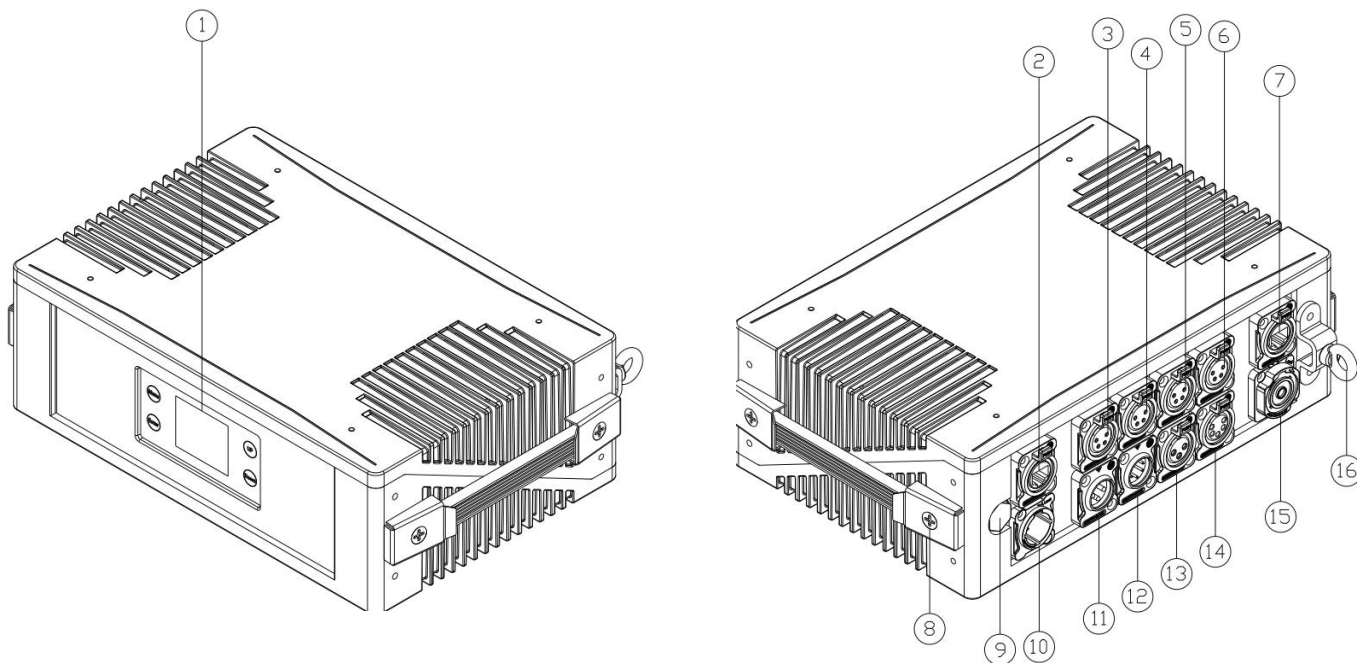
4.1 Product Overview -TECHNICAL SPECIFICATIONS

4.1.1 Product Dimensions: Controller



4.1.2 Description Product : Controller

IP Pixel Controller is an IP65-rated controller for the IP Flexible Strip . Each of its four outputs can control up to 5meters of IP Flexible Strip , for a maximum total of 20 meters. The device accepts DMX, Art-Net, and Kling-Net protocols. When using Art-Net , the controller can address every RGB LED in each 5 meter string, requiring up to 900 channels / 8 DMX universes. Pixels can be grouped to reduce the required number of DMX channels. The device also has a 5 and 14 channel control mode for direct DMX control. The controller also supports stand-alone operation with master/slave, manual modes and built-in programs.



- ① Control panel: OLED display and control buttons
- ② IP65-rated RJ45 connector
- ③ IP65-rated dedicated connector OUT 1
- ④ IP65-rated dedicated connector OUT 2
- ⑤ IP65-rated dedicated connector OUT 3
- ⑥ IP65-rated dedicated connector OUT 4
- ⑦ IP65-rated RJ45 connector
- ⑧ Handle
- ⑨ Protective vent
- ⑩ IP65-rated Power Pro True connector IN
- ⑪ IP65-rated 3-pin DMX signal connector IN
- ⑫ IP65-rated 5-pin DMX signal connector IN
- ⑬ IP65-rated 3-pin DMX signal connector OUT
- ⑭ IP65-rated 5-pin DMX signal connector OUT
- ⑮ IP65-rated Power Pro True connector OUT
- ⑯ Safety eye

4.1.3 Controller Specifications

Model	IP Pixel Controller
Control mode	DMX / ART-NET /Kling-Net / / Built-in program/Manual / Master slave/DMX +ART-NET/ DMX + Kling-Net
DMX channels	5CH / 14CH / Group control 009-340
ART-NET Channels	5CH / 13CH / 4080CH /Group control 009-340
Protocols	DMX / ART-NET /Kling-Net /RDM
Display	OLED
Dimmer	0-100%
Strobe	0-20Hz
Power Supply	100-120V / 6.8A 200-240V / 3.4A 50/ 60Hz
Output Voltage	12 V DC
Power consumption	350W
Power connector in	Power Pro True
Power connector out	Power Pro True
Weight	4.4 kg
IP Rating	IP65
Housing	Aluminum
Color	Black
Cooling	Passive
Maximum ambient temperature	40 °C
Included cables	Power Pro True cable

4.2 SETUP

AC Power

The pixel controller has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



- **Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**



Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Mounting

Controller

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

The pixel controller may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

- Make sure that the structure onto which you are mounting the product can support the product's weight. See the Technical Specifications for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power linking cables to reach.

4.3 Control Panel

Access the control panel functions using the four panel buttons located around the display:

Button	Function
MENU	<ul style="list-style-type: none">● access the menu● return to a previous menu option
ENTER	<ul style="list-style-type: none">● select menu option● store the current menu or option within the menu
UP	<ul style="list-style-type: none">● scroll through the menu options in ascending order● increase value
DOWN	<ul style="list-style-type: none">● scroll through the menu options in descending order● decrease value

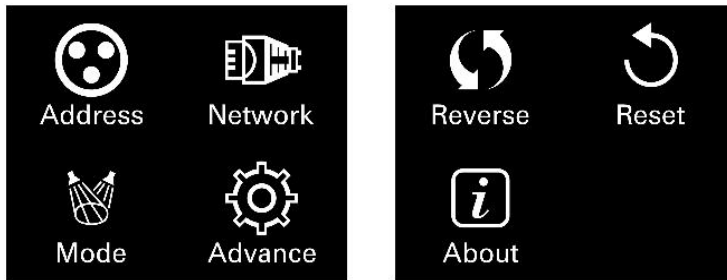
The main function

To select a function, press the **MENU** button. Press **UP/DOWN** to select the desired function. Press the **ENTER** button to confirm. Select again for the next function, press the **MENU** button and press **UP/DOWN** to select the desired function

4.4 Start-Up

When you press the **MENU** button, the display will show its main menu:

Flexible strip State
DMX Addr:001
IP Addr:002.000.000.100
NetMask:255.000.000.000
Universe:000
Workmodr:Auto



DMX Address



Manual IP / DHCP Get IP



Working Mode (DMX/ArtNet/Klingnet/Slave/Auto/Manual/DMX+ArtNet/DMX+Klingnet)



DMX Signal Hold / Slave Signal Hold / RDM Switch / Screen timeout/ Screen Brightness /Sequential



YES/ NO



YES/ No



Version and Date of device

4.4.1 DMX Address



In this menu you can set the DMX starting address of the device.

- » While in main menu, press the **UP/DOWN** buttons to select .
- » Press the **ENTER** button to confirm and open this menu.
- » Press the **UP/DOWN** buttons to select the DMX starting address. The selection range is 001-512.
- » Press the **ENTER** button to confirm the selection.

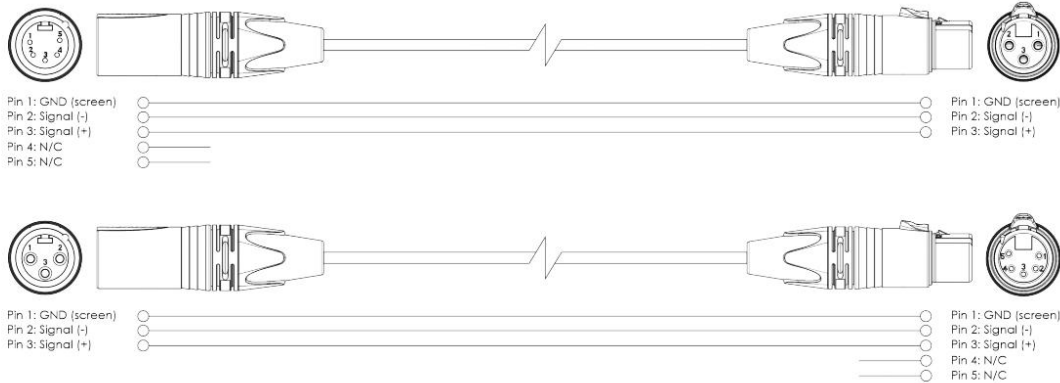
4.4.1.1 DMX Connection -512 Protocol

You need a DMX serial data link to run light shows of one or more devices using a DMX-512 controller.

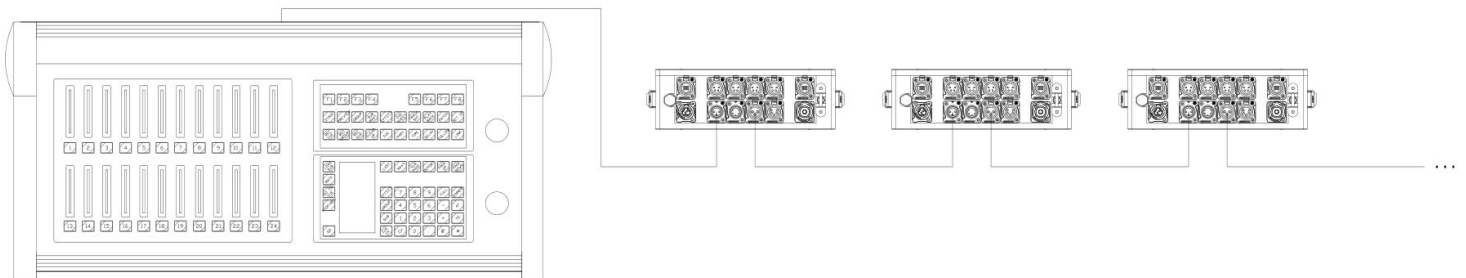
The IP Pixel Controller has 3 or 5-pin DMX signal IN and OUT connectors.

Example 5-pin DMX signal IN and OUT connectors

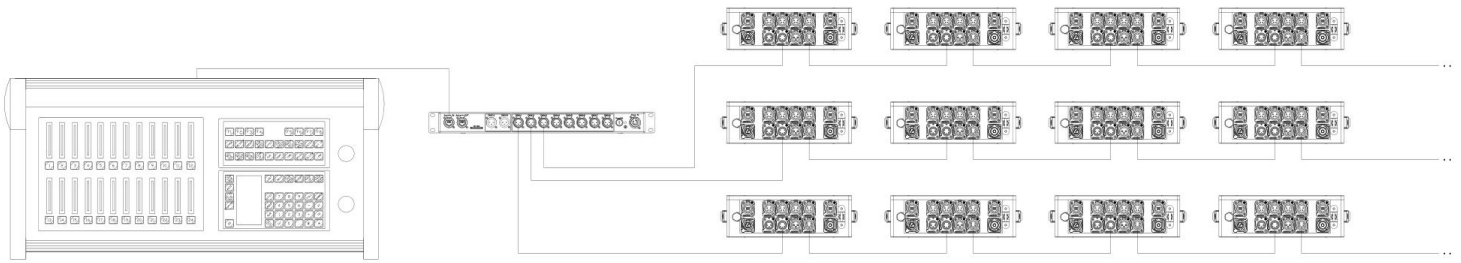
The 5/3pin assignment is as follows: pin 1 (ground), pin 2 (-), pin 3 (+), pin 4 (N/C), pin 5 (N/C).



Devices on a serial data link must be daisy-chained in a single line. The number of devices that you can control on one data link is limited by the combined number of the DMX channels of the connected devices and the 512 channels available in one DMX universe. As shown in the figure below.



To comply with the TIA-485 standard, no more than 32 devices should be connected on one data link. In order to connect more than 32 devices on one data link, you must use a DMX optically isolated splitter/booster, otherwise this may result in deterioration of the DMX signal. As shown in the figure below.



Note:

- Maximum recommended DMX data link distance: 300 m
- Maximum recommended number of devices on a DMX data link: 32 devices

The DMX mode allows you to control the device with any universal DMX controller.

1. All DMX - controlled devices need a digital start address so that the correct device responds to the signals. This digital start address is the channel number from which the device starts to “listen” to the DMX controller. The same starting address can be used for a whole group of devices or an individual address can be set for every device.

2. When all devices have the same address, all the units will “listen” to the control signal on one particular channel. In other words: changing the settings of one channel will affect all devices simultaneously. If you set individual addresses, each device will “listen” to a separate channel number. Changing the settings of one channel will only affect the device in question.

Attention:

After switching on, the device will automatically detect whether DMX 512 data is received or not. If there is data received at the DMX input, the DMX LED next to the LCD display will flash.

If no DMX signal data is received? This situation can occur if:

- the XLR plug (cable with DMX signal from controller) is not connected with the input of the device.
- the controller is switched off or defective, if the cable or connector is defective or the signal wires are swap in the input connector.

To set the device to work with a DMX controller

1. Press **MODE** until **<DMX Address>** is displayed and press **ENTER**.
2. Use **<UP>** and **<DOWN>** to set the DMX start address and press **ENTER**.

In this menu you can set the desired DMX channel mode: **5CH /14CH /Group control 009-340**

When the display shows DMX, press the ENTER button to open the menu.

Press the UP/DOWN buttons to select one of the available channel modes :**5CH**

DMX 5 CH			
5 Channel	Function	DMX Value	Setting
1	Master Dimmer	000-255	From low to high intensity (0-100%)
2	LEDs Red	000-255	From low to high intensity (0-100%)
3	LEDs Green	000-255	From low to high intensity (0-100%)
4	LEDs Blue	000-255	From low to high intensity (0-100%)
5	Strobe	0	Strobe off
		001-255	From low to high frequency

Press the UP/DOWN buttons to select one of the available channel modes :**14CH**

DMX 14 CH			
14 Channel	Function	DMX Value	Setting
1	Master Dimmer	000-255	From low to high intensity (0-100%)
2	LEDs Red	000-255	From low to high intensity (0-100%)
3	LEDs Green	000-255	From low to high intensity (0-100%)
4	LEDs Blue	000-255	From low to high intensity (0-100%)
5	Strobe	000-255	From low to high intensity (0-100%)
6	Built-in Programs 0-24	0	Not functional
		001-019	Program 0
		020-029	Program 1
		030-039	Program 2
		040-049	Program 3
		050-059	Program 4
		060-069	Program 5
		070-079	Program 6
		080-089	Program 7
		090-099	Program 8
		100-109	Program 9
		110-119	Program 10
		120-129	Program 11
		130-139	Program 12
		140-149	Program 13
		150-159	Program 14
		160-169	Program 15
		170-179	Program 16
		180-189	Program 17
		190-199	Program 18
		200-209	Program 19
		210-219	Program 20
		220-229	Program 21
		230-239	Program 22
		240-249	Program 23
250-255	Program 24		
7	Built-in Programs 25-49	010-019	Program 25
		020-029	Program 26
		030-039	Program 27
		040-049	Program 28
		050-059	Program 29
		060-069	Program 30
		070-079	Program 31
		080-089	Program 32
		090-099	Program 33
		100-109	Program 34
		110-119	Program 35
		120-129	Program 36
		130-139	Program 37
		140-149	Program 38
		150-159	Program 39
160-169	Program 40		
170-179	Program 41		
180-189	Program 42		

		190-199	Program 43
		200-209	Program 44
		210-219	Program 45
		220-229	Program 46
		230-239	Program 47
		240-249	Program 48
		250-255	Program 49
8	Built-in Programs 50-74	010-019	Program 50
		020-029	Program 51
		030-039	Program 52
		040-049	Program 53
		050-059	Program 54
		060-069	Program 55
		070-079	Program 56
		080-089	Program 57
		090-099	Program 58
		100-109	Program 59
		110-119	Program 60
		120-129	Program 61
		130-139	Program 62
		140-149	Program 63
		150-159	Program 64
		160-169	Program 65
		170-179	Program 66
		180-189	Program 67
		190-199	Program 68
		200-209	Program 69
210-219	Program 70		
220-229	Program 71		
230-239	Program 72		
240-249	Program 73		
250-255	Program 74		
9	Program Effect Width	000-255	Width from big to small
10	Program Effect Speed	000-255	From Slow-Fast
11	Backdrop- LEDs Red	000-255	From low to high intensity (0-100%)
12	Backdrop- LEDs Green	000-255	From low to high intensity (0-100%)
13	Backdrop- LEDs Blue	000-255	From low to high intensity (0-100%)
14	Switching Function	000-127	Not functional
		128-255	Switching Artnet/ Switching Klingnet

Note:
 One port of the controller occupies two domains.
 When using group control channels, the two domains will be filled up first before controlling the second port. The same applies to the third and fourth ports. The final channels will vary depending on the setting of the group control values.

Press the UP/DOWN buttons to select one of the available channel modes :Group control 009-340

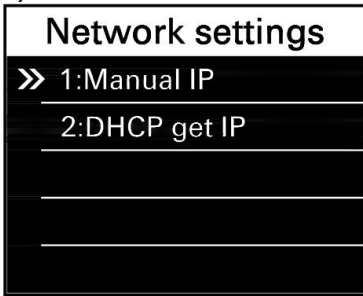
Group control 009-340			
Group control	Function	DMX Value	Setting
1	Master Dimmer	000-255	From low to high intensity (0-100%)
2	Backdrop- LEDs Red	000-255	From low to high intensity (0-100%)
3	Backdrop- LEDs Green	000-255	From low to high intensity (0-100%)
4	Backdrop- LEDs Blue	000-255	From low to high intensity (0-100%)
5	Strobe	000-255	From low to high intensity (0-100%)
6	Built-in Programs 0-24	0	Not functional
		001-019	Program 0
		020-029	Program 1
		030-039	Program 2
		040-049	Program 3
		050-059	Program 4
		060-069	Program 5
		070-079	Program 6
		080-089	Program 7
		090-099	Program 8
		100-109	Program 9
		110-119	Program 10
		120-129	Program 11
		130-139	Program 12
		140-149	Program 13
		150-159	Program 14
		160-169	Program 15
		170-179	Program 16
		180-189	Program 17
		190-199	Program 18
		200-209	Program 19
		210-219	Program 20
		220-229	Program 21
		230-239	Program 22
240-249	Program 23		
250-255	Program 24		
7	Built-in Programs 25-49	010-019	Program 25
		020-029	Program 26
		030-039	Program 27
		040-049	Program 28
		050-059	Program 29
		060-069	Program 30
		070-079	Program 31
		080-089	Program 32
		090-099	Program 33
		100-109	Program 34
		110-119	Program 35
		120-129	Program 36
		130-139	Program 37
		140-149	Program 38
		150-159	Program 39
160-169	Program 40		
170-179	Program 41		
180-189	Program 42		

		190-199	Program 43
		200-209	Program 44
		210-219	Program 45
		220-229	Program 46
		230-239	Program 47
		240-249	Program 48
		250-255	Program 49
8	Built-in Programs 50-74	010-019	Program 50
		020-029	Program 51
		030-039	Program 52
		040-049	Program 53
		050-059	Program 54
		060-069	Program 55
		070-079	Program 56
		080-089	Program 57
		090-099	Program 58
		100-109	Program 59
		110-119	Program 60
		120-129	Program 61
		130-139	Program 62
		140-149	Program 63
		150-159	Program 64
		160-169	Program 65
		170-179	Program 66
		180-189	Program 67
		190-199	Program 68
		200-209	Program 69
		210-219	Program 70
		220-229	Program 71
		230-239	Program 72
		240-249	Program 73
250-255	Program 74		
9	Program Effect Width	000-255	Width from big to small
10	Program Effect Speed	000-255	From Slow-Fast
11	*	*	*
12	*	*	*
13	*	*	*
14	Switching Function	000-127	Not functional
		128-255	Switching Artnet/ Switching Klingnet
15	Set 1 RED	000-255	From low to high intensity (0-100%)
16	Set 1 GREEN	000-255	From low to high intensity (0-100%)
17	Set 1 Blue	000-255	From low to high intensity (0-100%)
18	Set 2 RED	000-255	From low to high intensity (0-100%)
19	Set 2 GREEN	000-255	From low to high intensity (0-100%)
20	Set 2 Blue	000-255	From low to high intensity (0-100%)
21	Set 3 RED	000-255	From low to high intensity (0-100%)
22	Set 3 GREEN	000-255	From low to high intensity (0-100%)
23	Set 3 Blue	000-255	From low to high intensity (0-100%)
.....			
The rest can be done in the same manner			

4.4.2 Network Settings

In this menu you can set the network settings.

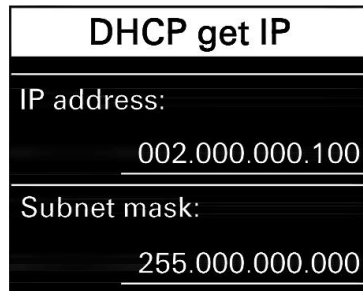
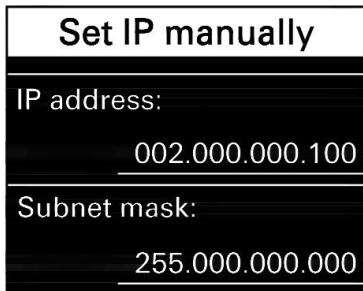
- 1) While in main menu, press the **UP/DOWN** buttons to select
- 2) Press the **ENTER** button to confirm. The display will show:



4.4.2.1 Set Manual/DHCP

- 1) Press the **UP/DOWN** buttons to select MANUAL/DHCP.
- 2) Press the **ENTER** button to open the menu.
- 3) Press the **UP/DOWN** buttons to select one of the two options:
 - * Manual: Enter a desired IP address and net mask.
 - * DHCP: the device will receive its network settings from a DHCP server. **If you choose this option, you will not be able to adjust any settings in this menu.**
- 4) Press the **ENTER** button to confirm your choice.

4.4.2.2 Set IP Address



- 1) Press the **UP/DOWN** buttons to select IP ADDRESS.
- 2) Press the **ENTER** button to open the menu.
- 3) Press the **UP/DOWN** buttons to adjust the 1st section of the IP address.
- 4) Press the **ENTER** button to save changes.
- 5) Press the **UP/DOWN** buttons to select the 2nd section of the IP address.
- 6) Press the **ENTER** button to open the menu.
- 7) Press the **UP/DOWN** buttons to adjust the 2nd section of the IP address.
- 8) Press the **ENTER** button to save changes.
- 9) Repeat the process to adjust the remaining 2 sections of the IP address.

4.4.2.3 Set Net Mask

- 1) Press the **UP/DOWN** buttons to select NET MASK.
- 2) Press the **ENTER** button to open the menu.
- 3) Press the **UP/DOWN** buttons to select one of the 3 net mask options:
 - 255.0.0.0
 - 255.255.0.0
 - 255.255.255.0
- 4) Press the **ENTER** button to confirm your choice

Note:

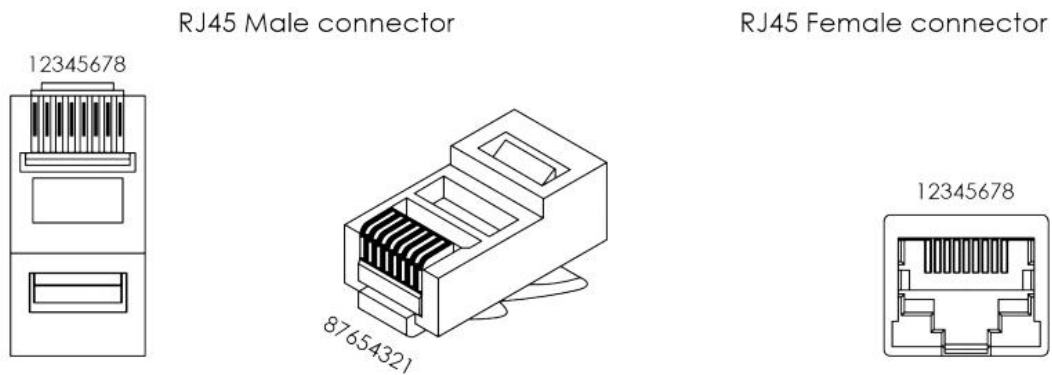
- 1) Ethernet Connection

Art-Net is a protocol that uses TCP/IP to transfer a large amount of DMX-512 data over an Ethernet network. Art Net 4 can support up to 32768 universes.

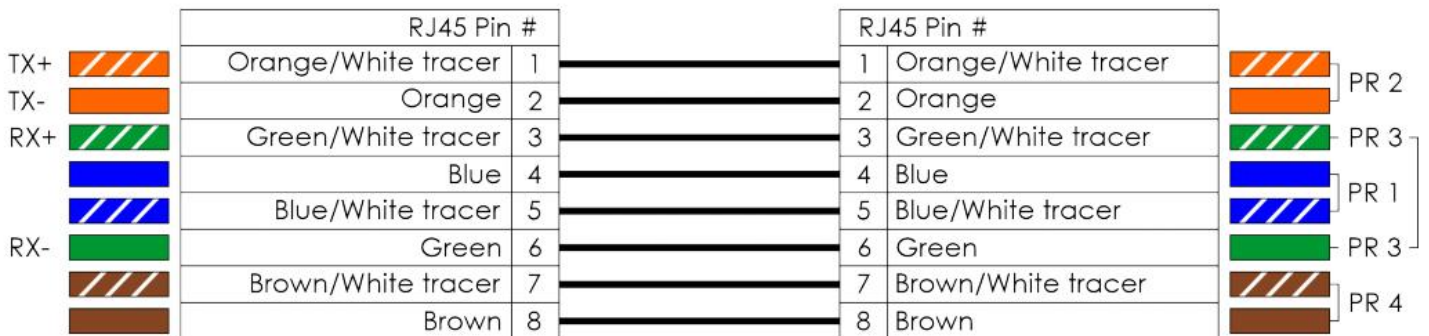
2) Network Cables

Standard twisted-pair Ethernet cables (CAT-5E/CAT-6) can be used to connect the device to a computer or to a lighting controller that supports Art-Net or sACN.

If you make your own network cables, make sure that you connect the pins and wires correctly. Use RJ45 (8P8C) connectors and patch the cables according to the T568B color standard. As shown in the figure below.



Color Standard EIA/TIA T568B

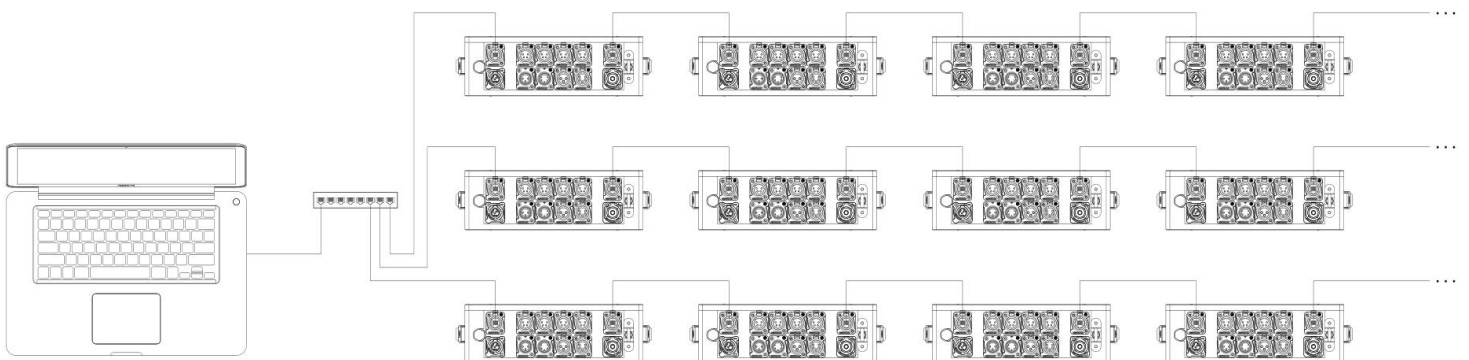


3) Art-Net/Kling-Net Linking

To connect multiple devices on one Art-Net data link, follow the steps below:

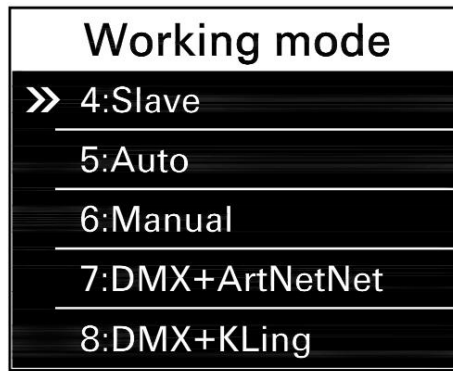
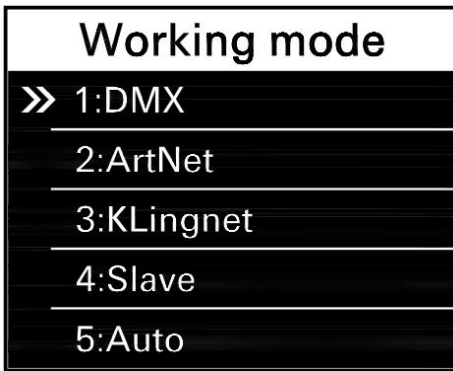
- ① Use a CAT-5E/CAT-6 cable to connect the RJ45 connector of the computer/lighting controller to one of the RJ45 connectors of the 1st device.
- ② Connect the 2nd RJ45 connector of the 1st device to the 1st RJ45 connector of the 2nd device with a CAT-5E/CAT-6 cable.
- ③ Repeat step 2 to connect all devices in a daisy-chain.

As shown in the figure below.



4.4.3 Working Mode

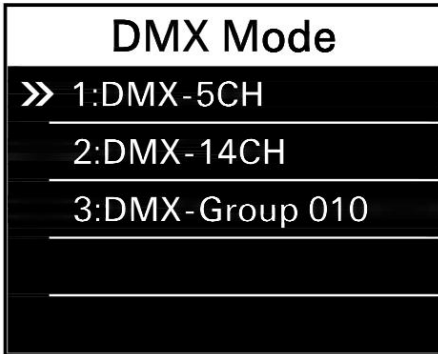
1. While in main menu, press the **UP/DOWN** buttons to select
2. Press the **ENTER** button to open the menu. The display will show: 8 modes



1) DMX

In this menu you can set the desired DMX channel mode.
When the display shows DMX, press the **ENTER** button to open the menu.

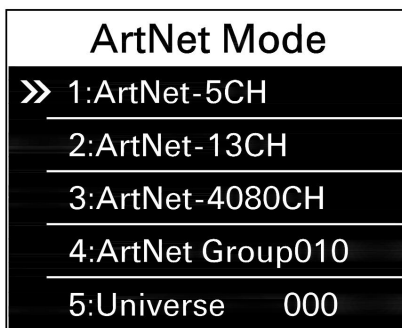
Press the UP/DOWN buttons to select one of the available channel modes : 6CH/14CH/ Group Control 009-340



For specific instructions, please open pages 9 - pages 13.

Note: It does not automatically detect whether DMX data signal is received or not. Activate DMX control

3) ArtNet



In this menu you can set the Art-Net settings.

- Press the UP/DOWN buttons to select UNIVERSE and press the ENTER button to confirm.
- Press the UP/DOWN buttons to set the universe.
- The adjustment range is 0-255.
- Press the ENTER button to save changes.
- Press the UP/DOWN buttons to select the channel mode selection field and press the ENTER button to confirm.
- Press the UP/DOWN buttons to select one of the available channel modes (depending on what device was chosen)
- Press the ENTER button to confirm your choice.

Note: It does not automatically detect whether Art-Net data signal is received or not. Activate Art-Net control.

5CH /13CH /Pixel Control 4080CH / Group control 009-340

Press the UP/DOWN buttons to select one of the available channel modes :**5CH**

DMX 5 CH			
5 Channel	Function	DMX Value	Setting
1	Master Dimmer	000-255	From low to high intensity (0-100%)
2	LEDs Red	000-255	From low to high intensity (0-100%)
3	LEDs Green	000-255	From low to high intensity (0-100%)
4	LEDs Blue	000-255	From low to high intensity (0-100%)
5	Strobe	0	Strobe off
		001-255	From low to high frequency

Press the UP/DOWN buttons to select one of the available channel modes :**13CH**

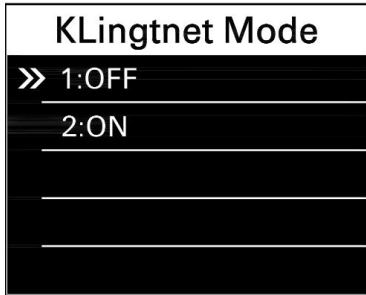
DMX 13 CH			
13 Channel	Function	DMX Value	Setting
1	Master Dimmer	000-255	From low to high intensity (0-100%)
2	LEDs Red	000-255	From low to high intensity (0-100%)
3	LEDs Green	000-255	From low to high intensity (0-100%)
4	LEDs Blue	000-255	From low to high intensity (0-100%)
5	Strobe	000-255	From low to high intensity (0-100%)
6	Built-in Programs 0-24	0	Not functional
		001-019	Program 0
		020-029	Program 1
		030-039	Program 2
		040-049	Program 3
		050-059	Program 4
		060-069	Program 5
		070-079	Program 6
		080-089	Program 7
		090-099	Program 8
		100-109	Program 9
		110-119	Program 10
		120-129	Program 11
		130-139	Program 12
		140-149	Program 13
		150-159	Program 14
		160-169	Program 15
		170-179	Program 16
		180-189	Program 17
		190-199	Program 18
		200-209	Program 19
		210-219	Program 20
		220-229	Program 21
		230-239	Program 22
240-249	Program 23		
250-255	Program 24		
7	Built-in Programs 25-49	010-019	Program 25
		020-029	Program 26
		030-039	Program 27
		040-049	Program 28
		050-059	Program 29

		060-069	Program 30
		070-079	Program 31
		080-089	Program 32
		090-099	Program 33
		100-109	Program 34
		110-119	Program 35
		120-129	Program 36
		130-139	Program 37
		140-149	Program 38
		150-159	Program 39
		160-169	Program 40
		170-179	Program 41
		180-189	Program 42
		190-199	Program 43
		200-209	Program 44
		210-219	Program 45
		220-229	Program 46
		230-239	Program 47
		240-249	Program 48
		250-255	Program 49
8	Built-in Programs 50-74	010-019	Program 50
		020-029	Program 51
		030-039	Program 52
		040-049	Program 53
		050-059	Program 54
		060-069	Program 55
		070-079	Program 56
		080-089	Program 57
		090-099	Program 58
		100-109	Program 59
		110-119	Program 60
		120-129	Program 61
		130-139	Program 62
		140-149	Program 63
		150-159	Program 64
		160-169	Program 65
		170-179	Program 66
		180-189	Program 67
		190-199	Program 68
		200-209	Program 69
		210-219	Program 70
		220-229	Program 71
		230-239	Program 72
		240-249	Program 73
250-255	Program 74		
9	Program Effect Width	000-255	Width from big to small
10	Program Effect Speed	000-255	From Slow-Fast
11	Backdrop- LEDs Red	000-255	From low to high intensity (0-100%)
12	Backdrop- LEDs Green	000-255	From low to high intensity (0-100%)
13	Backdrop- LEDs Blue	000-255	From low to high intensity (0-100%)

Press the UP/DOWN buttons to select one of the available channel modes :**Pixel Control 4080CH**
Each LEDs pixel control

Press the UP/DOWN buttons to select one of the available channel modes :**Group control 009-340CH**
For specific instructions, please open pages 12 - pages 13.

4) KLingnet



In this menu you can activate the KLing-Net settings.

- Press the **UP/DOWN** buttons to select OFF or ON.
- If you choose ENABLE, Kling-Net protocol will be active.
- Press the **ENTER** button to confirm your choice.

Note: It does not automatically detect whether Kling-Net data signal is received or not. Activate Kling-Net control.

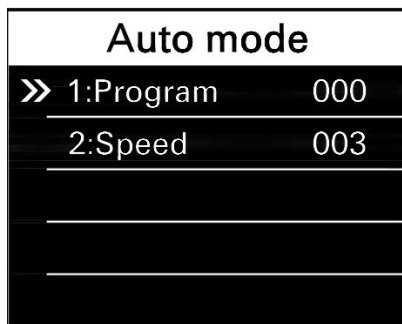
5) Slave



In this menu you can set the device as a slave.

- Press the UP/DOWN buttons to select OFF or ON. If you choose ON, the device will react the same as the master device.
- Press the ENTER button to confirm your choice.

6) Auto



In this menu you can run the desired built-in programs.

- Press the **UP/DOWN** buttons to select PROGRAM and press the **ENTER** button to confirm.
- Press the **UP/DOWN** buttons to select one of the 74 built-in programs.
- Press the **ENTER** button to confirm your choice.
- Press the **UP/DOWN** buttons to select SPEED and press the **ENTER** button to confirm.
- Press the **UP/DOWN** buttons to set the program speed. The adjustment range is 0–25, from slow to fast. Note that 0 it is stop
- Press the **ENTER** button to save changes.

7) Manual

Manual mode	
» 1:Dimmer	000
2:Strobe	000
3:Red	000
4:Green	000
5:Blue	000

In this menu you can run Manual mode.

a) Press the **UP/DOWN** buttons to select one of the 5 options:

» Dimmer : (0-255, from dark to brightest)

» Strobe: STROBE: Strobe frequency (0-4, strobe OFF; 5-255, from low to high frequency)

» Red; Red color brightness (0-255, from dark to brightest)

» Green : Green color brightness (0-255, from dark to brightest)

» Blue: Blue color brightness (0-255, from dark to brightest)

b) Press the **ENTER** button to open the desired menu.

c) Press the **UP/DOWN** buttons to adjust the values.

d) Press the **ENTER** button to save changes.

7)DMX+ArtNet

In this menu you can run DMX+Artnet mode.

press the **UP/DOWN** buttons to select this mode and press the **ENTER** button to confirm. Means that DMX can switch to Artnet directly

8)DMX+Klingnet

In this menu you can run DMX+Klingnet mode.

press the **UP/DOWN** buttons to select this mode and press the **ENTER** button to confirm. Means that DMX can switch to Klingnet directly

4.4.4 Advance

1) While in main menu, press the **UP/DOWN** buttons to select .

2) Press the **ENTER** button to open the menu. The display will show:

3) Press the UP/DOWN buttons to select one of the 6 options:



Advance settings	
» DMX Signal Hold	OFF
Slave SingnalHold	OFF
RDM switch	OFF
Screen timeout	Never
Screen Brightness	75%

Advance settings	
» Slave SingnalHold	OFF
RDM switch	OFF
Screen timeout	Never
Screen Brightness	75%
Sequential	028

4.4.4.1 DMX Signal Hold

In this menu you can determine the behavior of the Pixel strobe in case of a DMX failure.

- 1) Press the ENTER button to open the menu.
- 2) Press the UP/DOWN buttons to select one of the 2 options:

>OFF: If DMX signal is lost, the device will black its output out.

>ON: If DMX signal is lost, the device will use the last successfully received DMX signal and will continue using it until DMX signal reception is restored, to ensure undisputed performance.

- 3) Press the ENTER button to confirm your choice.

4.4.4.2 Slave Signal Hold

In this menu you can determine the behavior of the Pixel strobe in case of a device as a slave signal failure.

- 1) Press the ENTER button to open the menu.
- 2) Press the UP/DOWN buttons to select one of the 2 options:

>OFF: If slave signal is lost, the device will black its output out.

>ON: If slave signal is lost, the device will use the last successfully received device as a slave signal and will continue using it until device as a slave signal reception is restored, to ensure undisputed performance.

- 3) Press the ENTER button to confirm your choice.

4.4.4.3 RDM Switch

- 1) Press the ENTER button to open the menu.
- 2) Press the UP/DOWN buttons to select one of the 2 options: OFF / ON
- 3) Press the ENTER button to confirm your choice.

4.4.4.4 Screen Timeout

In this menu you can set the amount of time after which the display will turn off, when no button is pressed.

- 1) Press the **UP/DOWN** buttons to select one of the 2 options: 30 seconds/NEVER.
- 2) Press the **ENTER** button to confirm your choice.

4.4.4.5 Screen Brightness

In this menu you can set the screen brightness.

- 1) Press the **UP/DOWN** buttons to select one of the 4 options: 25/50/75/100 %, from dark to brightest.
- 2) Press the **ENTER** button to confirm your choice.

4.4.4.6 Sequential

In this menu you can set the sequential

- 1) Press the **UP/DOWN** buttons to select sequential, from 010 to 050.
- 2) Press the **ENTER** button to confirm your choice.

4.4.5 Reverse

In this menu you can set the display reverse or not .

- 1) Press the **UP/DOWN** buttons to select one of the 2 options: Yes or No
- 2) Press the **ENTER** button to confirm your choice.

4.4.6 Reset

In this menu you can restore the default factory settings.

Press the UP/DOWN buttons to select one of the 2 options:

> Yes: Restore the default factory settings. > No: Keep the current settings

4.4.7 About

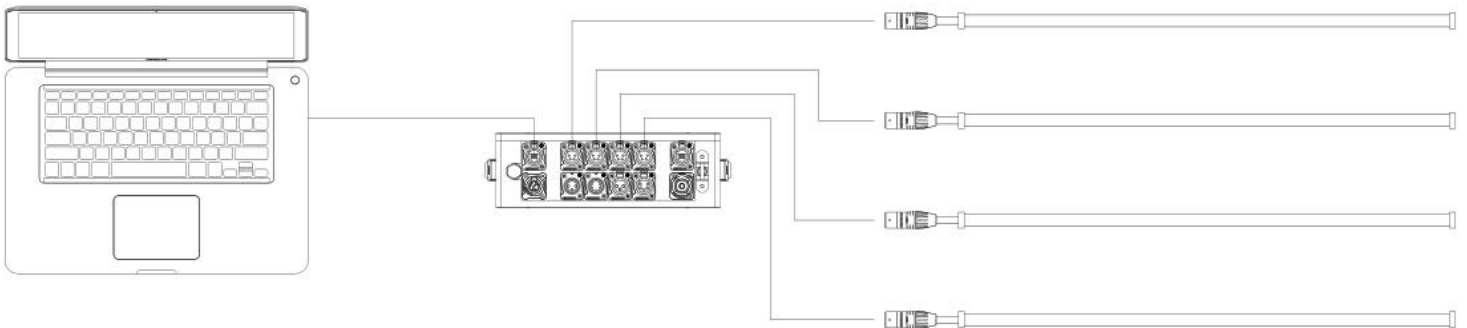
It shows the version and Date of device

5. LED Flexible Technical Specifications

Pixel point/Pitch	60 LEDs
Standard	1meters
Power	18 W
Input	DC12 V
Size	5000*12.23*3.87MM
Material	Copper
IP Rate	65
Beam Angle	120 degrees
Cut	You can cut it to the desired length as per your requirement.Each segment is 16.18 mm in length.

You don't need any additional equipment. You can directly connect it to the controller for use. The controller integrates power and signal, making your operation much more convenient.

Example use Art-net ,as shown in the figure below



If you need connect longer, it supports to use extension cables 5 meter

Extension cable overview



When you use extension cable with controller together , as shown in the figure below



6. Cleaning and Maintenance

- All screws should be tightened and free of corrosion.
- The housing, the lenses, the mounting supports and the installation location (e.g. ceiling, suspension, trussing) should not be deformed, modified or tampered with; e.g. do not drill extra holes in mounting supports, do not change the location of the connections...
- Mechanically moving parts must not show any signs of wear and tear.
- The electric power supply cables must not show any damage. Have a qualified technician maintain the device.
- Disconnect the device from the mains prior to maintenance activities. Let the device cool down.
- Wipe the device regularly with a moist, lint-free cloth. Do not use alcohol or solvents.
- Do not immerse the device in any liquid.
- There are no user-serviceable parts.
- Contact your dealer for spare parts if necessary.

Should you have further questions, please contact your dealer.

Please note: All information is subject to change without prior notice.