IP65 LED Cyclorama Light

FOS CYC RGMCAL



CE RoHS

User Manual

📖Please read this user manual before using this product!

Keep it for further reference!

Thank you for using our product! Please read this manual carefully and completely. For technical reference in future, please keep this user manual well. This user manual contains all installation and operation information of this colorful LED Cyclorama Light, it's very useful for user to install and operate the light. Please strictly abide by the relevant instruction for the installation and operation.

This LED cyclorama light adopts plate material shell made with beautiful shape, high efficiency and energy saving, durability, it is suitable for indoor use. This product strictly according to CE standard design and production, complete with international standard DMX512 agreement, both single machine control, also can be controlled by connected with, suitable for large art performance, theatre, studio, discos and other places of use. It's special designed for the stage curtain, wall wash and other using. It's widely used for touring performance, construction, lighting, theater, discos, bars and other entertainment places.

This light meets the following criteria:

GB7000.1-2007/IEC60598-1:2003

GB7000.217-2008/IEC60598-2-17:1984+A2:1990

Ⅰ PRODUCT MAIN FEATURES

·8CH, 11CH, 14CH, 21CH, 23CH, 35CH DMX control channels, LCD display control panel;

·DMX512, Sound active, auto-run and master/slave four kinds control mode;

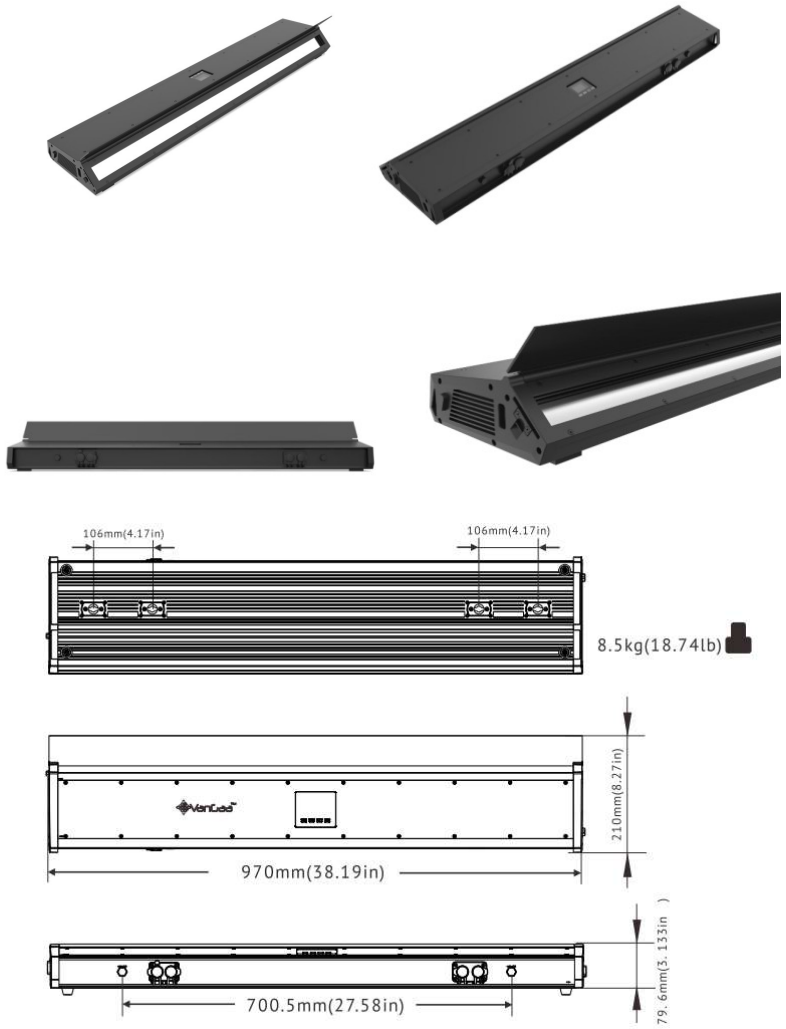
·IP65 protect rating;

·With strobe stage effect;

·Long lifespan high brightness LEDs can reach to 50,000hours;

·High-efficiency, power-saving, low heat.

Ⅱ OVERVIEW AND DIMENSIONS



All dimensions are in millimeters

Ⅲ SAFETY INFORMATION

※Important

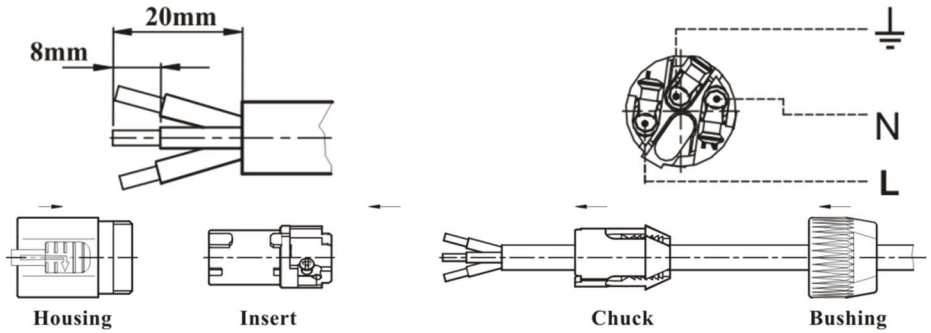
Every person involved with the installation, operation and maintenance of this device has to be qualified and follow the instructions of this manual. Manufacturer will not with responsibility for those operations which are not according to this Instruction.

- Verify that the voltage matches the rated voltage.
- When the voltage is 110V , Do not connect more than 10 lightings in total to AC mains power in one interconnected daisy chain
- When the voltage is 220V , Do not connect more than 20 lightings in total to AC mains power in one interconnected daisy chain
- Before using the fixture, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.
- Always ground (earth) the fixture electrically.
- Avoiding hit the Light when you are move or install the light.
- The minimum distance between light-output and the illuminated surface must be more than 0.5 meters. Keep all combustible materials (for example fabric, wood,
- paper) at least 0.2 meters away from the fixture.
- Do not expose the fixture to rain or moisture.
- Avoid looking directly into the light source (especially those who suffer from epileptic fits)
- Maximum ambient temperature (Ta) is 40°C. Do not operate fixture at temperatures higher than this.
- The Maximum surface temperature is 50°C
- When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.

- Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.

Ⅳ POWER CONNECTION

INSTALLING A NENUTRIK CONNECTOR ON A POWER CABLE



Put bushing and chuck onto the cable.

Prepare cable as shown above. The power cable must is a three-conductor 2.5mm^2 cable.

Insert the wire into the terminals and fasten the clamping device by a flat screw driver.

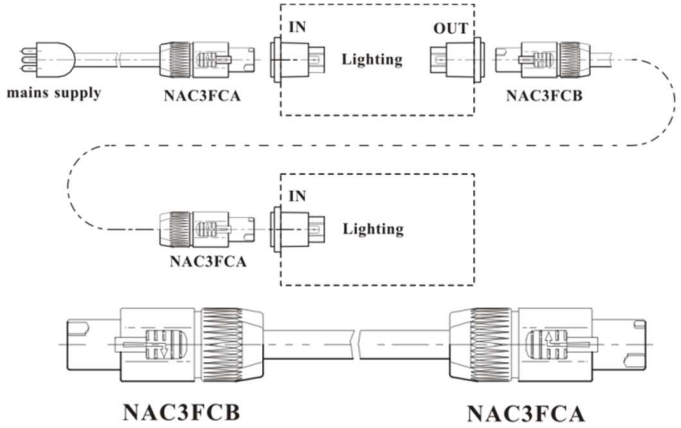
Push insert and chuck into housing (pay attention to the guiding keyway).

Fasten bushing.

The color-coding schemes and some possible pin identification schemes; if pins are not clearly identified, or if you have any doubts about proper installation, consult a qualified electrician.

RELAYING POWER TO OTHER DEVICES

The lightings can be linked in a chain by power cables which installed a blue and a light-gray connectors on the two ends. The light-gray connector connects to the power out socket of the first lighting, and the blue connector connects to the power in socket of the subsequent lighting, and so on.



The power cable must is a three-conductor 2.5mm^2 cable.

When the voltage is 110V, Do not connect more than 10 lightings in total to AC mains power in one interconnected daisy chain.

When the voltage is 220V, Do not connect more than 20 lightings in total to AC mains power in one interconnected daisy chain.

Wire color	*Conductor*	*Symbol*
Brown	Live	L
Blue	Neutral	N
Yellow/green	ground	⏚

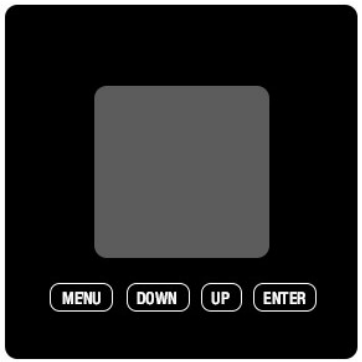
PHYSICAL INSTALLATION

This lighting can be placed on a horizontal surface such as a stage or clamped to a truss or similar rigging structure in any orientation using a rigging clamp.

When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.
Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.

V CONTROL PANNEL

BUTTON

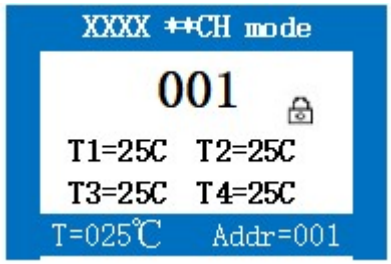


MENU	Call the main menu, or escape the current menu, (i.e. return to the upper menu and give up the selected item or parameter).
ENTER	Confirm the selected item or parameter, (i.e. enter into the next menu, or escape the current menu and save the selected item or parameter).
DOWN	Browse the menu item backward or decrease the parameter.
UP	Browse the menu item forward or increase the parameter.

MAIN MENU

The way into the menu as below:

1. Press **ENTER** when the display show the title information;
2. Press **UP** or **DOWN** button to choose the right menu which you need;
3. Press **ENTER** into the menu;
4. Press **UP** and **DOWN** button to set the parameter or setting;
5. Press **ENTER** to save the setting;
6. Press **MENU/SET** button to back.



Note:

The buttons will automatically lock after 30 seconds of inactivity. Press and hold any button for more than 3 seconds to unlock.

No password required—simply press and hold any button for over 3 seconds to unlock.

Note:

Buttons will auto-lock after 30 seconds of inactivity; press and hold any button for 3+ seconds to unlock.

MENU MAP

01.Address	01.Address = ***	
02.Reset	01.Reset = No	
	02.Reset = Yes	
03.Mode	01.(**CH)HSIC	
	02.(**CH)SSP	
	03.(**CH)TOUR	

	04.(**CH)TOUR 16	
	05.(**CH)PIXEL	
	06.(Alone)Auto	
	07.(Master)Auto	
	08.(Alone)Scene	01.Dimmer =***
		02.Strobe =***
		03.CCT =*****K
		04.Green =***
		05.Green =***
		06.Blue =***
		07.Lime =***
		08.Amber =***
		09.Cyan =***
	09.(Master)Scene	01.Dimmer =***
		02.Strobe =***
		03.CCT =*****K
		04.Green =***
		05.Green =***
		06.Blue =***
		07.Lime =***
		08.Amber =***
		09.Cyan =***
04.Language	01.English	
	02.Chinese	
05.Option	01.DMX Lost Set	01.Clear Value
		02.Hold Value
	02.Reverse Display	01.Off

		02.On
	03.DisplayDelayOff	01.Delay 10S OFF
		02.Delay 30S OFF
		03.Delay 60S OFF
		04.Always ON
06.Setup	01.Password	= 008
	02.Fan speed	= Fan speed Auto
		= Fan speed 0
		= Fan speed …
		= Fan speed 10
	03.Dimmer curve	= Linear
		= Square
		= Inv-Square
		= S curve
	03.Dimmer rate	= 3 KHz
		= 6 KHz
		= 12 KHz
		= 24 KHz
	04.Dimmer speed	= Dim speed 0 Real
		= Dim Speed 1 Fast
		= Dim Speed 2
		= Dim Speed 3
		= Dim Speed 4 Slow
	05.CT Adjust	01.2500K GM = 000
		xx.xxxxK GM = 000
		76.10000K GM = 000
07.Reset Default	01.No	

	02.Yes	
08.Information	1.Temperature T1=***C T2=***C T3=***C T4=***C	
	2.Used time=*****H	
	3.ID =********** **********	
	4.RDM UID = **********	
	5.Version=*.***	

Note:

Color temperature adjustment requires correct authorization password to access settings, preventing accidental changes; all other settings can be accessed directly without password.

Ⅵ DMX PROTOCOL

HSIC (8CH) Mode

CH	Name	Value	Function
CH1	Intensity	000←→255	Intensity
CH2	Hue	000←→255	Hue
CH3	Hue Fine	000←→255	Hue Fine
CH4	Saturation	000←→255	Saturation
CH5	CCT	000←→009 010←→255	No Function 2500K - 10000K

CH6	Strobe	000←→009	No Function
		010←→099	Strobe from slow to fast（0-25Hz）
		100←→109	No Function
		110←→179	Lightning strobe
		180←→189	No Function
		190←→255	Random strobe
CH7	Dimmer Curve	000←→049	Dimmer curve from display menu
		050←→099	Linear
		100←→149	Square
		150←→199	Inv-Square
		200←→255	S Curve
CH8	Dimmer Speed	000←→049	Dimmer speed from display menu
		050←→099	Dimmer speed 0 (Real time)
		100←→149	Dimmer speed 1 (Fast)
		150←→199	Dimmer speed 2
		200←→249	Dimmer speed 3
		250←→255	Dimmer speed 4 (Slow)

SSP (11CH) MODE

CH	Name	Value	Function
CH1	Dimmer	000←→255	General dimmer

CH2	Red	000←→255	Red
CH3	Green	000←→255	Green
CH4	Blue	000←→255	Blue
CH5	Lime	000←→255	Lime
CH6	Amber	000←→255	Amber
CH7	Cyan	000←→255	Cyan
CH8	Preset color	000←→010	No function
		011←→020	L106
		021←→030	R05
		031←→040	L194
		041←→050	R54
		051←→060	L019
		061←→070	R08
		071←→080	R89
		081←→090	R86
		091←→100	L213
		101←→110	R377
		111←→120	R80
		121←→130	L202
		131←→140	L328
		141←→150	R3314
		151←→160	L101
		161←→170	L768
		171←→200	No function
		201←→255	VU Base Disable

CH9	Strobe	000←→009	No Function
		010←→099	Strobe from slow to fast（0-25Hz）
		100←→149	No Function
		150←→199	Lightning strobe
		200←→249	No Function
		250←→255	Random strobe
CH10	Dimmer Curve	000←→049	Dimmer speed from display menu
		050←→099	Dimmer speed 0 (Real time)
		100←→149	Dimmer speed 1 (Fast)
		150←→199	Dimmer speed 2
		200←→249	Dimmer speed 3
		250←→255	Dimmer speed 4 (Slow)
CH11	Dimmer Speed	000←→049	Dimmer speed from display menu
		050←→099	Dimmer speed 0 (Real time)
		100←→149	Dimmer speed 1 (Fast)
		150←→199	Dimmer speed 2
		200←→249	Dimmer speed 3
		250←→255	Dimmer speed 4 (Slow)

TOUR (14CH) MODE

CH	Name	Value	Function
CH1	Dimmer	000←→255	General dimmer
CH2	Red	000←→255	Red
CH3	Green	000←→255	Green
CH4	Blue	000←→255	Blue

CH5	Lime	000←→255	Lime
CH6	Amber	000←→255	Amber
CH7	Cyan	000←→255	Cyan
CH8	Preset color	000←→010	No function
		011←→020	L106
		021←→030	R05
		031←→040	L194
		041←→050	R54
		051←→060	L019
		061←→070	R08
		071←→080	R89
		081←→090	R86
		091←→100	L213
		101←→110	R377
		111←→120	R80
		121←→130	L202
		131←→140	L328
		141←→150	R3314
		151←→160	L101
		161←→170	L768
		171←→200	No function
		201←→255	VU Base Disable
CH9	LED Macro	000←→010	No function
		011←→030	Macro 1 (R=255, G=0->255, B=0)
		031←→050	Macro 2 (R=255->0, G=255, B=0)

		051←→070	Macro 3 (R=0, G=255, B=0->255)
		071←→090	Macro 4 (R=0, G=255->0, B=255)
		091←→110	Macro 5 (R=0->255, G=0, B=255)
		111←→130	Macro 6 (R=255, G=0, B=255->0)
		131←→150	Macro 7 (R=255, G=0->255, B=0->255)
		151←→170	Macro8(R=255->0, G=255->0, B=0->255)
		171←→195	All led full output (R=255,G=255,B=255)
		196←→200	2700K
		201←→205	3000K
		206←→210	3200K
		211←→215	3500K
		216←→220	4000K
		221←→225	4200K
		226←→230	4500K
		231←→235	5600K
		236←→240	6000K
		241←→245	6500K
		246←→250	7200K
		251←→255	8000K
CH10	Strobe	000←→009	No Function
		010←→099	Strobe from slow to fast（0-25Hz）
		100←→109	No Function
		110←→179	Lightning strobe
		180←→189	No Function
		190←→255	Random strobe

CH11	Auto	000←→009	No Function
		010←→127	Auto skip run
		128←→255	Auto slip run
CH12	Auto speed	000←→255	Auto speed adjust
CH13	Dimmer Curve	000←→049	Dimmer curve from display menu
		050←→099	Linear
		100←→149	Square
		150←→199	Inv-Square
		200←→255	S Curve
CH14	Dimmer Speed	000←→049	Dimmer speed from display menu
		050←→099	Dimmer speed 0 (Real time)
		100←→149	Dimmer speed 1 (Fast)
		150←→199	Dimmer speed 2
		200←→249	Dimmer speed 3
		250←→255	Dimmer speed 4 (Slow)

TOUR 16 (21CH) MODE

CH	Name	Value	Function
CH1	Dimmer	000←→255	General dimmer
CH2	Dimmer fine	000←→255	General dimmer fine
CH3	Red	000←→255	Red
CH4	Red fine	000←→255	Red fine
CH5	Green	000←→255	Green
CH6	Green fine	000←→255	Green fine
CH7	Blue	000←→255	Blue

08

08

CH8	Blue fine	000←→255	Blue fine
CH9	Lime	000←→255	Lime
CH10	Lime fine	000←→255	Lime fine
CH11	Amber	000←→255	Amber
CH12	Amber fine	000←→255	Amber fine
CH13	Cyan	000←→255	Cyan
CH14	Cyan fine	000←→255	Cyan fine
CH15	Preset color	000←→010	No function
		011←→020	L106
		021←→030	R05
		031←→040	L194
		041←→050	R54
		051←→060	L019
		061←→070	R08
		071←→080	R89
		081←→090	R86
		091←→100	L213
		101←→110	R377
		111←→120	R80
		121←→130	L202
		131←→140	L328
		141←→150	R3314
		151←→160	L101
		161←→170	L768
		171←→200	No function

		201←→255	VU Base Disable
CH16	Led macro	000←→010	No function
		011←→020	Macro 1 (R=255, G=0->255, B=0)
		031←→050	Macro2 (R=255->0, G=255, B=0)
		051←→070	Macro 3(R=0, G=255, B=0->255)
		071←→090	Macro 4 (R=0,G=255->0, B=255)
		091←→100	Macro 5 (R=0->255, G=0, B=255)
		111←→120	Macro 6(R=255,G=0, B=255->0)
		131←→140	Macro7(R=255,G=0->255,B=0->255)
		151←→160	Macro8(R=255->0,G=255->0, B=0->255)
		171←→195	All led full output (R=255,G=255,B=255)
		196←→200	2700K
		201←→205	3000K
		206←→210	3200K
		211←→215	3500K
		216←→220	4000K
		221←→225	4200K
		226←→230	4500K
		231←→235	5600K
		236←→240	6000K
		241←→245	6500K
		246←→250	7200K
		251←→255	8000K
CH17	Strobe	000←→009	No Function
		010←→099	Strobe from slow to fast（0-25Hz）

		100←→109	No Function
		111←→179	Lightning strobe
		180←→189	No Function
		190←→255	Random strobe
CH18	Auto	000←→009	No Function
		010←→127	Auto skip run
		128←→255	Auto slip run5600K
CH19	Auto speed	000←→255	Auto speed adjust
CH20	Dimmer Curve	000←→049	Dimmer curve from display menu
		050←→099	Linear
		100←→149	Square
		150←→199	Inv-Square
		200←→255	S Curve
CH21	Dimmer Speed	000←→049	Dimmer speed from display menu
		050←→099	Dimmer speed 0 (Real time)
		100←→149	Dimmer speed 1 (Fast)
		150←→199	Dimmer speed 2
		200←→249	Dimmer speed 3
		250←→255	Dimmer speed 4 (Slow)

PIXEL (29CH) MODE

CH	Name	Value	Function
CH1	Dimmer	000←→255	General dimmer
CH2	Red 1	000←→255	Red 1
CH3	Green 1	000←→255	Green 1

CH4	Blue 1	000←→255	Blue 1
CH5	Lime 1	000←→255	Lime 1
CH6	Amber 1	000←→255	Amber 1
CH7	Cyan 1	000←→255	Cyan 1
CH8	Red 2	000←→255	No function
CH9	Green 2	000←→255	Green 2
CH10	Blue 2	000←→255	Blue 2
CH11	Lime 2	000←→255	Lime 2
CH12	Amber 2	000←→255	Amber 2
CH13	Cyan 2	000←→255	Cyan 2
CH14	Red 3	000←→255	Red 3
CH15	Green 3	000←→255	Green 3
CH16	Blue 3	000←→255	Blue 3
CH17	Lime 3	000←→255	Red 3
CH18	Amber 3	000←→255	Green 3
CH19	Cyan 3	000←→255	Amber 3
CH20	Red 4	000←→255	Red 4
CH21	Green 4	000←→255	Green 4
CH22	Blue 4	000←→255	Blue 4
CH23	Lime 4	000←→255	Lime 4
CH24	Amber 4	000←→255	Amber 4
CH25	Cyan 4	000←→255	Cyan 4
CH26	Preset color	000←→010 011←→020 021←→030	No function L106 R05

		031←→040	L194
		041←→050	R54
		051←→060	L019
		061←→070	R08
		071←→080	R89
		081←→090	R86
		091←→100	L213
		101←→110	R377
		111←→120	R80
		121←→130	L202
		131←→140	L328
		141←→150	R3314
		151←→160	L101
		161←→170	L768
		171←→255	No function
CH27	CCT	000←→009	No Function
		010←→255	2500k-10000K
CH28	Dimmer Curve	000←→049	Dimmer curve from display menu
		050←→099	Linear
		100←→149	Square
		150←→199	Inv-Square
		200←→255	S Curve
CH29	Dimmer Speed	000←→049	Dimmer speed from display menu
		050←→099	Dimmer speed 0 (Real time)
		100←→149	Dimmer speed 1 (Fast)

		150←→199	Dimmer speed 2
		200←→249	Dimmer speed 3
		250←→255	Dimmer speed 4 (Slow)

Ⅶ TECHNICAL SPECIFICATION

Light Sources

·LED: 168pcs 3W 6-in-1 LEDs (R28, G28, M28, C28, A28, Lime28)

·Lifespan: 50,000 hours

·Color: Full spectrum adjustable

Optics

·Beam angle: Horizontal 66°, Vertical 38° (Option: To be supplemented)

·Dimmer: Theatrical 0–100% linear dimming effect

·Color system: 6-color LED linear mixing, 16.7 million colors, built-in macros

·Color temperature: 2500K – 10000K

·Strobe: To be supplemented

·CRI: Ra ⩾ 95

Light Output

·Optimal projection distance: To be supplemented

Control

·Control mode: Standard DMX512, RDM / Manual mode

·DMX channel: 8CH / 11CH / 14CH / 21CH / 29CH

·Display of control panel: LCD display + 4-button keys

Power Supply

·Related voltage: AC100–240V, 50/60Hz

·Related power: 350W (Power Factor PF > 0.98)

Construction

·Body dimension: 970 × 210 × 80 mm

·Net weight: 8.5 kg

·Shell color: To be supplemented

·Shell material: To be supplemented

Working Environment

·Working temperature: -25℃ to +35℃

·Cooling: To be supplemented

·Protection rating: IP65

Innovation, Quality, Performance, Achieving Users' Value!