USER MANUAL

GOYA 16

INTERNATIONAL

KEEP THIS MANUAL FOR FUTURE NEEDS CE

GENERAL GUIDELINES

Thanks for choosing GOYA 16
This is the innovative LED application for professional lightings.
Since the RGB ultra bright LED lamps, the unit can combine more than 16.7 million soft color effects.

This device is a lighting effect for professional use on stages, in discotheques, theatres, etc..
With its IP65 protection it is for indoor and also for outdoor use.
This fixture is only allowed to be operated with the max alternating voltage which stated in the technical specifications in this manual.

Lighting effects are not designed for permanent operation.
Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances.
The minimum distance between light-output from the projector and the illuminated surface must be more than 1m.

If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void.
Furthermore, any other operation may lead to short-circuit, burns, electric shock, crash, etc..

SAFETY INSTRUCTIONS

Important safety warns

⚠	**CAUTION!** Be careful with your operations.With a dangerous voltage you can Suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition.
In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

☞   ***Important:***   ***Damages caused by the disregard of this user manual***
are not subject to warranty.
The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device.
Leave the device switched off until it has reached room temperature.
This device falls under protection-class I. It is essential that the device be earthed.
If protection screen, lens or ultraviolet screen in the fixture is apparently damaged or is damaged
to exceed their own effective degree, such as cracked and gashed, it must be replaced.
The electric connection must carry out by qualified person.
Make sure that the available voltage is not higher than specified.
Make sure the power cord is never crimped or damaged by sharp edges.
If this would be the case, replacement of the cable must be done by an authorized dealer.
Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug.
Never pull out the plug by tugging the power cord.
During initial start-up some smoke or smell may arise.
This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.
Please don't project the beam onto combustible substances.
If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

⚠	**CAUTION!** Never touch the device during operation! The housing may heat up
⚠	**CAUTION!** Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to the device
are not subject to warranty. Keep away from children and non-professionals.

GOYA 16

Thanks for choosing the GOYA 16. This is the innovative LED application for professional lightings.

Technical Specifications:

- LED: 16X30W TRI LED
- Beam angle: 60 degree
- Power: 560W
- Voltage: AC100V-250V. 60Hz-50Hz
- Fuse: F2A, 250V.
- DMX control: 3/5/48/51channel
- Master and slave control
- LCD display (Mode, Set up, Up, Down)

Operation instructions:

1) STATIC COLOR / BUILT-IN 13 RUNNING EFFECT
2) AUTO   RUN
3) SOUND
4) MASTER / SLAVE
5) DMX MODE

- *Built-in programs (P01-P15)*

STATIC COLOR CL:RGB Flash00-99	Blackout, Red-Green-Blue-Yellow-Cyan-Purple-White Flash speed adjustable.
DREAM Speed00-99 Flash00-99	Seven color dreaming Speed & Flash adjustable
METEOR Speed00-99 Flash00-99	Seven color flow Speed & Flash adjustable
FADE Speed00-99 Flash00-99	Seven color fade Speed & Flash adjustable
CHANGE Speed00-99 Flash00-99	Seven color change Speed & Flash adjustable
FLOW 1 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 2 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 3 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 4 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 5 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 6 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 7 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 8 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 9 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 10 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable

- *Auto Run mode (15 built-in modes together)*
  FQN01-99 (Frequency adjustable)

- *SLAVE Mode:*
  Link the units and press MODE button of the Slave units to SLAVE mode. Then the slave units will follow running in

accordance with the Master unit.

- *Sound Mode:*

Press MODE button to show:

SOUND MODE

SENS:00-31   FQN:01-99

- *DMX Mode*

Channel mode: (3CH, 5CH, 48CH, 51CH optional)

3CH: Every 16 leds as 1 section

5CH: Every 16 leds as 1 section

48CH: Every 1 led as 1 section, totally 16 sections (16xRGB)

51CH: Every 1 led as 1 section, totall 16 sections

5 channel mode:

Channel:	Value:	Function:
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	Master dimmer (0-100%)
5	000-000	ON
	001-005	Sound control (7 colors)
	006-010	ON
	011-255	Strobe (increasing)

3 channel mode:

Channel:	Value:	Function:
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)

48CHANNEL MODE: (Every 1 leds as 1section, the fixture has 16 sections totally

CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	CH 16	CH 17	CH 18	CH 19	CH 20	CH 21	CH 22	CH 23	CH 24
R1	G1	B1	R2	G2	B2	R3	G3	B3	R4	G4	B4	R5	G5	B5	R6	G6	B6	R7	G7	B7	R8	G8	B8
CH 25	CH 26	CH 27	CH 28	CH 29	CH 30	CH 31	CH 32	CH 33	CH 34	CH 35	CH 36	CH 37	CH 38	CH 39	CH 40	CH 41	CH 42	CH 43	CH 44	CH 45	CH 46	CH 47	CH 48
R9	G9	B9	R10	G10	B10	R11	G11	B11	R12	G12	B12	R13	G13	B13	R14	G14	B14	R15	G15	B15	R16	G16	B16

51CHANNEL MODE: (Every 1 leds as 1section, the fixture has 16 sections totally)

CH1	CH2	CH3	CH4	CH5	CH6	....CH51
0-15	Master dimmer		R 0-255）	G （0-255）	B （0-255）	...CH51 （0-255）
16-23 R	dimmer					
24-31 G	dimmer					
32-39 B	dimmer					
40-47 RG	dimmer					
48-55 GB	dimmer					
56-63 RB	dimmer					
64-71 RGB	dimmer					
72-79 Color 1	dimmer					
80-87 Color 2	dimmer					
88-95 Color 3	dimmer	Flash （0-255） Slow to fast				
96-103 Color 4	dimmer					
104-111 Color 5	dimmer					
112-119 Color 6	dimmer					
120-127 Color 7	dimmer					
128-135 Color 8	dimmer					
136-143 DREAM						
144-151 METEOR						
152-159 FADE						
160-167 CHANGE	speed （0-255） Slow to fast					
168-175 FLOW1						
176-183 FLOW2						
184-191 FLOW3						
192-199 FLOW4						
200-207 FLOW5						
208-215 FLOW6						
216-223 FLOW7						
224-231 FLOW8						
232-239 FLOW9						
240-247 Flow10						
248-255 SOUND	sensitivity （0-255）					

When the value from 0-15, the 51channel function as below:

CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	CH 16	CH 17	CH 18	CH 19	CH 20	CH 21	CH 22	CH 23	CH 24	CH 25	CH 26	CH 27
0-15	Master Dimmer (0-255)	Flash 0-255	R1	G1	B1	R2	G2	B2	R3	G3	B3	R4	G4	B4	R5	G5	B5	R6	G6	B6	R7	G7	B7	R8	G8	B8

CH 28	CH 29	CH 30	CH 31	CH 32	CH 33	CH 34	CH 35	CH 36	CH 37	CH 38	CH 39	CH 40	CH 41	CH 42	CH 43	CH 44	CH 45	CH 46	CH 47	CH 48	CH 49	CH 50	CH 51
R9	G9	B9	R10	G10	B10	R11	G11	B11	R12	G12	B12	R13	G13	B13	R14	G14	B14	R15	G15	B15	R16	G16	B16

Note: All information is subject to change without prior notice