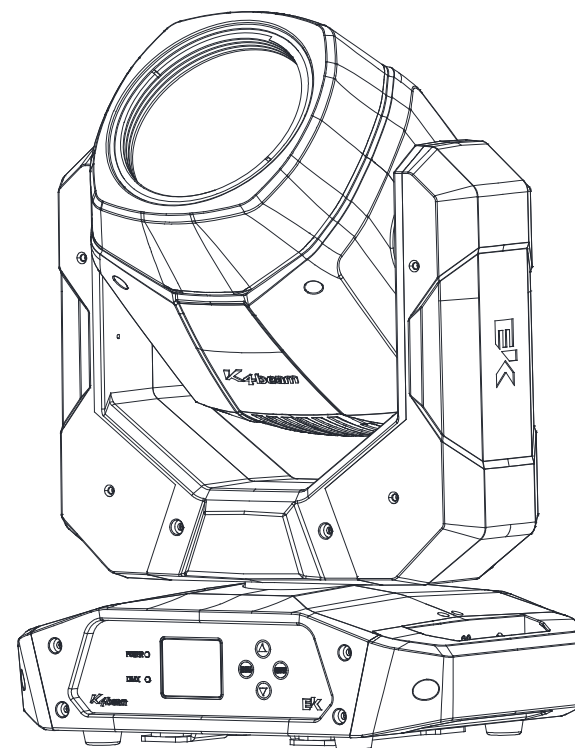




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www.eklights.com

K4beam

USER MANUAL

CONTENTS

SAFETY ----- 01

DIMENSIONS ----- 02

DESCRIPTION ----- 02

INTRODUCTION ----- 03

INSTALLATION ----- 04

DMX CONNECTION ----- 04

POWER CONNECTION ----- 05

TECHNICAL SPECIFICATION ----- 06

GOBO & COLOR ----- 07

PHOTOMETRICS ----- 08

MENU ----- 09

MENU DESCRIPTION ----- 10

DMX CHANNELS ----- 11

TROUBLE SHOOTING ----- 15

TROUBLE SHOOTING

Problem	Possible Causes	Checklist and Remedies
Fixture does not light up	- No mains supply - Dimmer fader set to 0 - All color faders set to 0 - Faulty LED - Faulty LED board	- Check the power supply voltage - Increase the value of the dimmer channels - Increase the value of the color channels - Replace the LED board - Replace the LED board
General low light intensity	- Dirty lens assembly - Misaligned lens assembly	- Clean the fixture regularly - Install lens assembly properly
Fixture does not power up	- No power - Loose or damaged power cord - Faulty internal power supply	- Check for power on power outlet - Check power cord - Replace internal power supply
Fixture does not respond to DMX	- Wrong DMX addressing - Damaged DMX cables - Bouncing signals	- Check control panel and unit addressing - Check DMX cables - Install terminator as suggested



WARNING

Before carrying out any operations with the unit, carefully read this instruction manual and keep it with care for future reference. It contains important information about the installation, usage and maintenance of the unit.

SAFETY

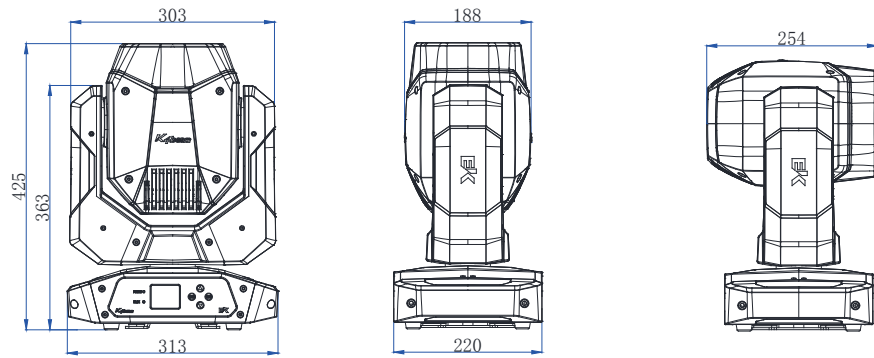
General instruction

- The products referred to in this manual conform to the European Community Directives and are therefore marked with.
- The unit is supplied with hazardous network voltage (230V~). Leave servicing to skilled personnel only.
- Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.
- Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1). It is, moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.
- The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data label.
- This unit is not for home use, only professional applications.
- Never use the fixture under the following conditions:
 - in places wet;
 - in places subject to vibrations or bumps;
 - in places with an ambient temperature of over 45°
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.
- If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal

Warnings and installation precautions

- If this device will be operated in any way different to the one described in this manual, it may suffer damage and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short circuit, burns, electric shock, etc.
- Before starting any maintenance work or cleaning the projector, cut off power from the main supply.
- Always additionally secure the projector with the safety rope. When carrying out any work, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used.
- For inside use only. Not designed for outside use.
- The minimum distance between the fixture and surrounding walls must be more than 50cm and the air vents at the housing must not be covered in any case.
- Install the fixture in a well ventilated place.
- Keep any inflammable material at a safe distance from the fixture.
- The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is high. After power off, please cool down over 15 minutes.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp(LED) shall be changed if it has become damaged or thermally deformed.
- Never look directly at the light beam. Please note that fast changes in lighting, e.g. flashing light, may trigger epileptic seizures in photosensitive persons or persons with epilepsy.

DIMENSIONS



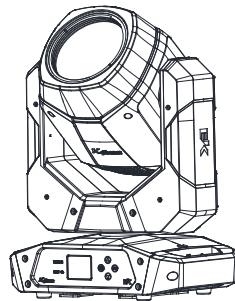
DESCRIPTION

Brightest LED moving beam in its class

Tight, solid, consistent beams

Extensive rotating gobo pattern selection

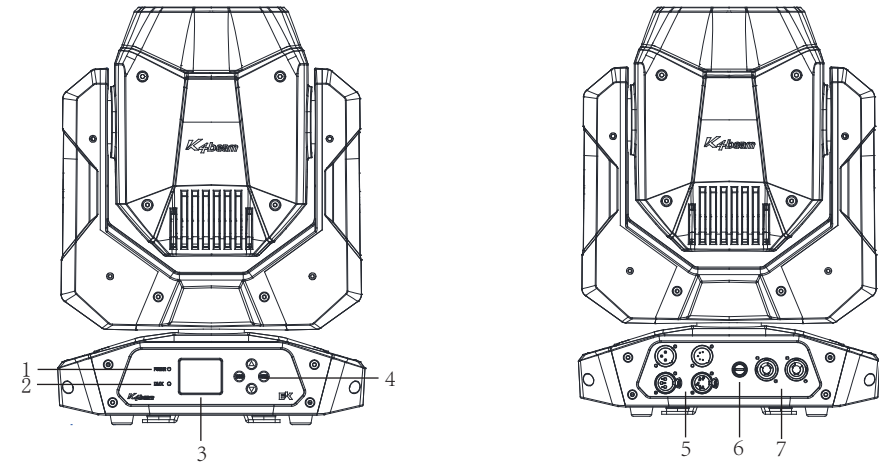
Featuring color wheel, rotating gobos, prism



DMX CHANNELS

9	Gobo	000-002	Position 1 (open)	
		003-005	Position 2	
		006-008	Position 3	
		009-011	Position 4	
		012-014	Position 5	
		015-017	Position 6	
		018-020	Position 7	
		021-023	Position 8	
		024-026	Position 9	
		027-029	Position 10	
		030-032	Position 11	
		033-035	Position 12	
		036-038	Position 13	
		039-041	Position 14	
		042-044	Position 15	
		045-047	Position 16	
		048-050	Position 17	
		051-053	Position 18	
		054-063	Position 2 (Indexed with shake, from slow to fast)	
		064-073	Position 3	
		074-083	Position 4	
		084-093	Position 5	
		094-103	Position 6	
		104-113	Position 7	
		114-123	Position 8	
		124-133	Position 9	
		134-143	Position 10	
		144-153	Position 11	
		154-163	Position 12	
		164-173	Position 13	
		174-183	Position 14	
		184-193	Position 15	
		194-203	Position 16	
		204-213	Position 17	
		214-223	Position 18	
		224-238	Fast to Slow(Forward and Spin)	
		239-240	Stop (stop rotation)	
		241-255	Slow to Fast(Revers Spin)	
10	Prism	000-020	Prism Off	
		021-127	Indexed	
		128-255	Rotation	
11	R Prism	000-255	Index	Index
		000-127	Fast to Slow	
		128	Stop	Rotation
		129-255	Slow to Fast	
12	Control	000-039	No function	
		040-049	Enable blackout while Pan/Tilt move (Hold 3 Second)	
		050-059	Disable blackout while Pan/Tilt move (Hold 3 Second)	
		060-069	Enable blackout while color change (Hold 3 Second)	
		070-079	Disable blackout while color change (Hold 3 Second)	
		080-089	Enable blackout while gobo change (Hold 3 Second)	
		090-099	Disable blackout while color change (Hold 3 Second)	
		100-109	Pan Reset (Hold 3 Second)	
		110-119	Tilt Reset (Hold 3 Second)	
		120-129	Color Reset (Hold 3 Second)	
		130-139	Gobo Reset (Hold 3 Second)	
		140-149	No function	
		150-159	Prism Reset (Hold 3 Second)	
		160-169	No function	
		170-179	Reset all(Hold 3 Second)	
		180-255	No function	

INTRODUCTION

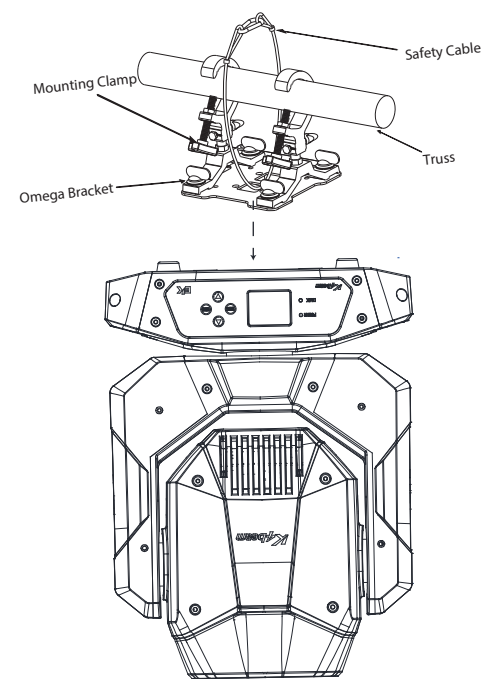


1. Power Indicator
2. DMX Indicator
3. Display: TFT220X176
4. Buttons
5. DMX 3pin & 5pin In/Out
6. Fuse: T3.15A 250V
7. PowerCon In/Out

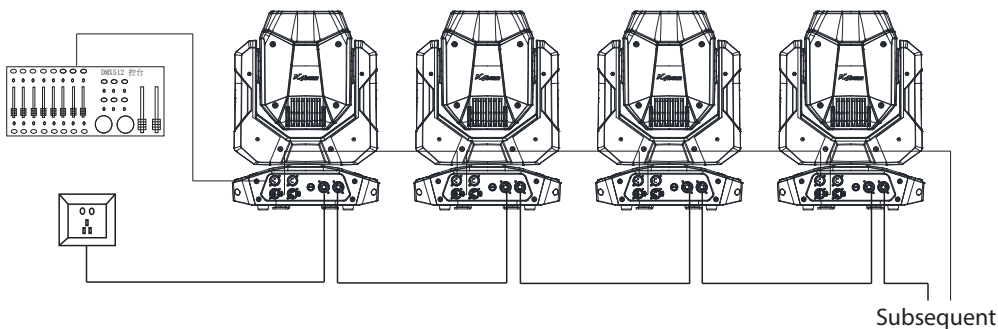
DISPLAY FUNCTION NAVIGATION

Mode	Illustration	Function Description	Effect
Menu	Menu Options	Enter the Menu	Menu Operation
Up	Up	Scroll Up	Increase the numeric value
Down	Down	Scroll Down	Decrease the numeric value
Enter	Confirm	Confirm	Save the function

INSTALLATION



DMX CONNECTION



DMX CHANNELS

12CH	Function	Value	Percent/Setting	Remark
1	Pan	000-255	Pan Coarse	
2	Pan fine	000-255		
3	Tilt	000-255	Tilt Coarse	
4	Tilt fine	000-255		
5	Movement	000-255	fastest to Slowest	
6	Shutter	000-010	Shutter closed	
		011-030	No function (shutter open)	
		031-085	Strobe effect slow to fast	
		086-105	No function (shutter open)	
		106-160	Pulse-effect in sequences	
		161-180	No function (shutter open)	
		181-235	Random strobe effect slow to fast	
		236-255	No function (shutter open)	
7	Dimmer	000-255	0~100%	
8	Color	000-004	Open	
		005-008	Open+Color1	
		009-012	Color1	
		013-016	Color1 + Color2	
		017-021	Color2	
		022-025	Color2 + Color3	
		026-029	Color3	
		030-033	Color3 + Color4	
		034-038	Color4	
		039-042	Color4 + Color5	
		043-046	Color5	
		047-050	Color5 + Color6	
		051-055	Color6	
		056-059	Color6 + Color7	
		060-063	Color7	
		064-067	Color7 + Color8	
		068-071	Color8	
		072-076	Color8 + Color9	
		077-080	Color9	
		081-084	Color9 + Color10	
		085-088	Color10	
		089-093	Color10 + Color11	
		094-097	Color11	
		098-101	Color11 + Color12	
		102-105	Color12	
		106-110	Color12 + Color13	
		111-114	Color13	
		115-118	Color13 + Color14	
		119-122	Color14	
		123-127	Color14 + Open	
		128-189	Fast to Slow Forward Spin	
		190-193	Stop (Stop Rotation)	
		194-255	Slow to Fast (Reverse Spin)	

DMX CHANNELS

9	Gobo	000-002	Position 1(open)
		003-005	Position 2
		006-008	Position 3
		009-011	Position 4
		012-014	Position 5
		015-017	Position 6
		018-020	Position 7
		021-023	Position 8
		024-026	Position 9
		027-029	Position 10
		030-032	Position 11
		033-035	Position 12
		036-038	Position 13
		039-041	Position 14
		042-044	Position 15
		045-047	Position 16
		048-050	Position 17
		051-053	Position 18
		054-063	Position 2 (Indexed with shake, from slow to fast)
		064-073	Position 3
		074-083	Position 4
		084-093	Position 5
		094-103	Position 6
		104-113	Position 7
		114-123	Position 8
		124-133	Position 9
		134-143	Position 10
		144-153	Position 11
		154-163	Position 12
		164-173	Position 13
		174-183	Position 14
		184-193	Position 15
		194-203	Position 16
		204-213	Position 17
		214-223	Position 18
		224-238	Fast to slow(foward wheel spin)
		239-240	Stop
		241-255	Slow to fast (Reverse wheel spin)
10	Prism Rot	000-000	Prism Off
		001-127	Index
		128-189	Fast to Slow
		190-193	Stop
		194-255	Slow to fast
11	Control	000-039	No Function
		040-049	Enable black out while Pan/Tilt move(Hold 3 seconds)
		050-059	Disable black out while Pan/Tilt move(Hold 3 seconds)
		060-069	Enable black out while color change(Hold 3 seconds)
		070-079	Disable black out while color change(Hold 3 seconds)
		080-089	Enable black out while gobo change(Hold 3 seconds)
		090-099	Disable black out while gobo change(Hold 3 seconds)
		100-109	Pan Reset(Hold 3 seconds)
		110-119	Tilt Reset(Hold 3 seconds)
		120-129	Color Reset(Hold 3 seconds)
		130-139	Gobo Reset(Hold 3 seconds)
		140-149	No Function
		150-159	Prism Reset(Hold 3 seconds)
		160-169	No Function
		170-179	Reset all (Hold 3 seconds)
		180-255	No Function

POWER CONNECTION



Power In

Using POWER CON In/Out
Power cable connected in series
Attention:due to the power rating
one 1.5mm² power cable can connect 22 units maximum



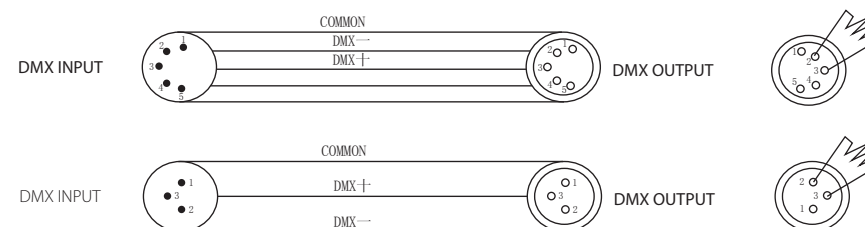
Power out



WARNING

Do not connect more than 22 units in serieswith one power cable.
Do not use damaged power cables.
Turn off the power when the units are not in use.

DMX512 Controller



TECHNICAL SPECIFICATION

PHOTOMETRICS

Light Source: 100W 8000 - 10000K LED
 Beam Angle: 2.5°
 Output: 64500 LUX @ 5 meters

POWER

Mains: 100 - 240 VAC, 50/60 Hz
 Consumption: 164W
 Power connections: PowerCon In/Out
 Power linking: Up to 23 units @ 230V

KEY FEATURES

Pan movement: 540°
 Tilt movement: 270°
 Color Wheel: 14 + Open
 Gobo Wheel: 17 + Open
 Strobe: 1 - 30Hz
 Dimming: 4 dimming curve modes
 Prism: 8-facet, bi-directional, variable-speed rotation

CONTROL

Protocol: DMX512
 DMX channels: 11 / 12
 Data connections: 3-pin / 5-pin XLR In/Out
 Display: OLED display with 4-button navigation

PHYSICAL

Size: 313x220x425
 Weight: 13kg
 IP: 20

DMX CHANNELS

11CH	Function	Value	Percent/Setting	Remark
1	Pan	000-255	Pan Coarse	
2	Pan fine	000-255		
3	Tilt	000-255	Tilt Coarse	
4	Tilt fine	000-255		
5	Movement	000-255	fastest to Slowest	
6	Shutter	000-010	Shutter closed	
		011-030	No function (shutter open)	
		031-085	Strobe effect slow to fast	
		086-105	No function (shutter open)	
		106-160	Pulse-effect in sequences	
		161-180	No function (shutter open)	
		181-235	Random strobe effect slow to fast	
		236-255	No function (shutter open)	
7	Dimmer	000-255	0~100%	
8	Color	000-004	Open	
		005-008	Open+ Color1	
		009-012	Color 1	
		013-016	Color 1 + Color 2	
		017-021	Color 2	
		022-025	Color 2 + Color 3	
		026-029	Color 3	
		030-033	Color 3 + Color 4	
		034-038	Color 4	
		039-042	Color 4 + Color 5	
		043-046	Color 5	
		047-050	Color 5 + Color 6	
		051-055	Color 6	
		056-059	Color 6 + Color 7	
		060-063	Color 7	
		064-067	Color 7 + Color 8	
		068-071	Color 8	
		072-076	Color 8 + Color 9	
		077-080	Color 9	
		081-084	Color 9 + Color 10	
		085-088	Color 10	
		089-093	Color 10 + Color 11	
		094-097	Color 11	
		098-101	Color 11 + Color 12	
		102-105	Color 12	
		106-110	Color 12 + Color 13	
		111-114	Color 13	
		115-118	Color 13 + Color 14	
		119-122	Color 14	
		123-127	Color 14 + Open	
		128-189	Fast to Slow(Forward Spin)	
		190-193	Stop (Stop Rotation)	
		194-255	Slow to Fast(Revers Spin)	

MENU DESCRIPTION

1.CONNECT

- (1) DMX Address: Set DMX starting address from a value between 1-502
- (2) DMX Mode: Selectable DMX mode 11/12 channels

2.SETUP

- (1) Movement
 - 1.Pan Inverse and Tilt Inverse setting
 - 2.Pan Feedback and Tilt Feedback setting
- (2) Screen
 - 1.Back Light: set delay time for menu display to go dark at either 10,20 or 30 seconds or choose always ON.
 - 2.Flip Display: adjust automatically
 - 3.Warning Cue:
 - 4.Key Lock: password: UP DOWN UP DOWN ENTER
- (3) Fixture
 - 1.Fan Mode: fan speed setting
 - 2.Temperature
- (4).AUTO TSET
- (5).Manual Test

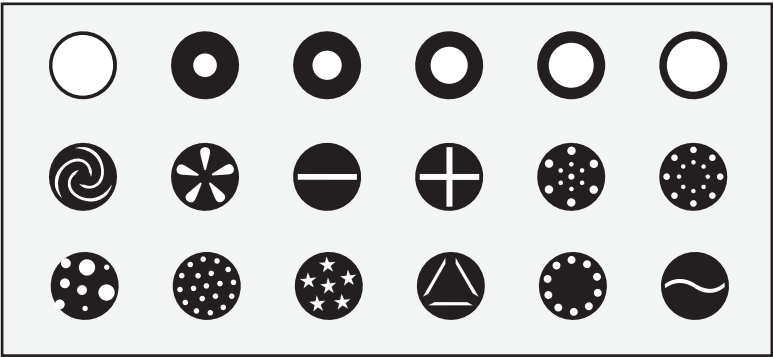
3. ADVANCED

- (1).Reset
 - 1.All: reset all the steps
 - 2.reset seperate step
- (2).Adjust
- (3).Factory Reload
 - Restore factory settings

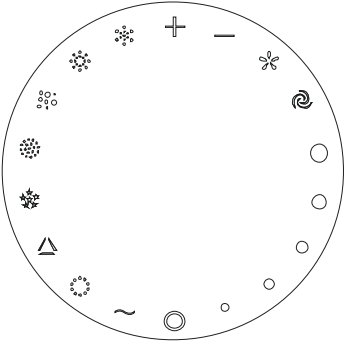
4.INFORMATION

- (1).Fixture Time(0-9999 hours)
- (2).Temperature
- (3).Fan speed
- (4).Software Version
- (5).UID

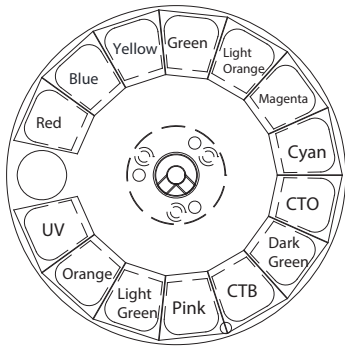
GOBO AND COLOR



Gobo Wheel



Color Wheel



Color

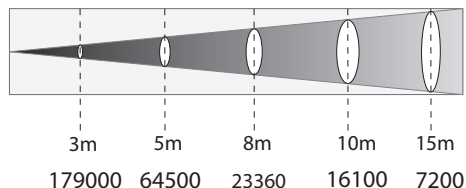
Red	Blue	Yellow	Green	Light Orange	Magenta	Cyan
CTO	Dark Green	CTB	Pink	Light Green	Orange	UV



PHOTOMETRICS

Beam Angle: 2.5°

FULL on



Distance/m	3	5	8	10	15
Output					
Full on	179000	64500	23360	16100	7200

MENU

1	CONNECT	DMX Address	1-512		Default: 1
		DMX Mode	11CH		Default: 12CH
			12CH		
		Movement	Pan Inverse	No	Default: No
			Yes		
			Tilt Inverse	No	Default: No
			Yes		
			Pan Feedback	No	Default: Yes
			Yes		
			Tilt Feedback	No	Default: Yes
			Yes		
		Screen	Back Light	On	Default: On
			10s		
			20s		
			30s		
			Flip Display	No	Default: No
			Yes		
			Warn Cue	Off	Default: On
			On		
			Key Lock	No	Default: No
			Yes		
		Fixure	Fan mode	Auto	Default: Yes
			High		
			Temperature unit	° C	Default: °C
			° F		
		Auto Test	Auto Test ...		
		Manual Test	Pan	000-255	
			Pan Fine	000-255	
			Tilt	000-255	
			Tilt Fine	000-255	
			P/T Speed	000-255	Tilt= 128
			Dimmer	000-255	Dimmer= 255
			Shutter	000-255	Shutter = 255
			Color	000-255	
			Gobo	000-255	
			Prism	000-255	
		Reset	All	No-Yes	
			Pan	No-Yes	
			Tilt	No-Yes	
			Color	No-Yes	
			Gobo	No-Yes	
			Prism	No-Yes	
		Adjust	Pan Offset	000-255	
			Tilt Offset	000-255	
			Color Offset	000-255	
			Gobo Offset	000-255	
			Prism Offset	000-255	
		Factory Reload	No		
			Yes		
		Fixture Time	0-9999		Default: 0
		Temperature	58 ° C		
		Fan Speed	**%		
		Software Version	DISP- V1.0		
			CTR1-XY- V1.0		
			CTR2-MOTOR-V1.0		
		UID	030F01E *****		
		Play	Maser/Slave	Maser	Default: Slave
			Slave		
			Show 1		
			Show 2		
			Show 3		Default: Show 1
			Show 4		
		Speed	001-100		Default: 100