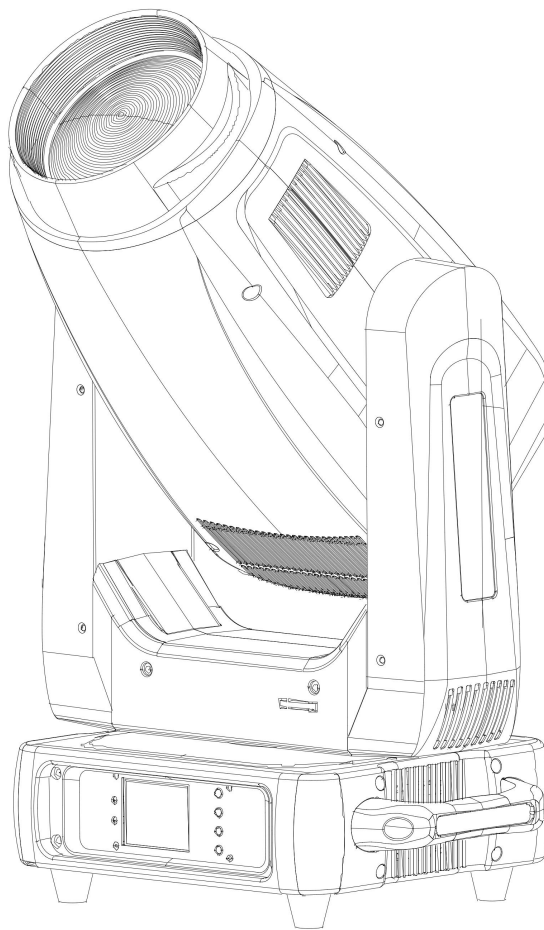




# Egle 700F



## USER MANUAL

**KEEP THIS USER MANUAL FOR FUTURE NEEDS**

Thank you for your patronage!

We are confident that our excellent products and service can satisfy you.  
For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly.

We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



**CAUTION!**

Keep this device away from rain and moisture!



**CAUTION!**

Unplug mains lead before opening the housing!

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow carefully the instructions of this manual

## **INTRODUCTION:**

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One power in cable
2. One 3-Pin DMX cable
3. Two folding clamps
4. One safety cable
5. One English user manual

(Flight case is optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation.  
Should there be any questions, please consult your dealer and don't install this device.

## **GENERAL GUIDELINES**

This device is a lighting effect for a professional use on stages, TV, in discotheques, theaters, etc.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in 6<sup>th</sup> page of 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 0,5 meter.

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



### 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.

1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.

2. Always mount this unit in safe and stable matter.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

### ▲ 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

temperatures.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

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 be the device are not subject to warranty. Keep away from children and non-professionals.**

## **CLEANING AND MAINTENANCE**

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

The following points have to be considered during the inspection

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing. Fixations and

installations spots(ceiling, suspension, trussing).

- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



#### **CAUTION!**

Disconnect from mains before starting maintenance operation!

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents.

## **TECHNICAL PARAMETERS**

### **Power supply**

AC100~240V, 50/60Hz

Power consumption: 950W

### **Light source**

High power 700W white LED engine/Flicker-Free Source

Rated life: 20,000 hrs

Color temperature: 6300K

Standard mode Ra:≥70,Optional High CRI mode: Ra≥90

Lens: 138mm diameter

111000Lux @5m

### **OPTIC**

Focus:Motorized focusing, ultra-smooth focus adjustment

Iris: Motorized, linear

Strobe: 25Hz with random pulse strobe

Dimming:0~100% linear dimming

Frost: 0~100% linear frost

Zoom angle: 4 degree to 50 degree linear zoom

## Effect SECTION

CMY color mixing system

Independent CTO filter from 2500k to 6500k linear adjust

Color wheel: 6 fixed colors + white, half-color with rainbow effect

Rotating gobo wheel: 7 replaceable rotating glass gobos + white with gobo shaking

(Diameter 14MM, External diameter 22.9MM, Thickness 1.1MM)

Fixed gobo wheel: 8 replaceable fixed glass gobos + white with gobo shaking

(Diameter 14MM, External diameter 17.9MM, Thickness 1.1MM)

Prism wheel: Rotating 4-faced prism

Animation wheel with water, wave and flame effects, rotatable and replaceable

## FRAMING SYSTEM

Framing shutters: 4x framing shutters, each individually controllable

Each shutter blade can block out light completely

Framing module can be rotated at 90°

Movement is fast, smooth and precise, with adjustable speed

6%-100% iris system

## CONTROL AND PROGRAMMING

Pan/Tilt: 540/270 ° 16bit solution

Control mode: DMX512/RDM/Auto run/Artnet(Optional)

DMX channels: 38CH/41CH

Ture1 Powercon in+out/3pin+5Pin DMX in+out

2.8 Inch touch screen LCD display, with display flip

## BODY

IP20 Dust-proof and oil-proof design with Folding clamp

Fixture Size: 400\*285\*693mm

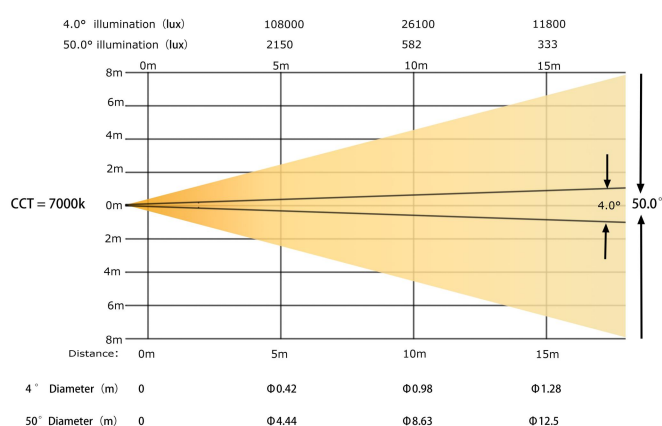
Net weight: 28kgs

Carton Size: 795\*365\*505mm

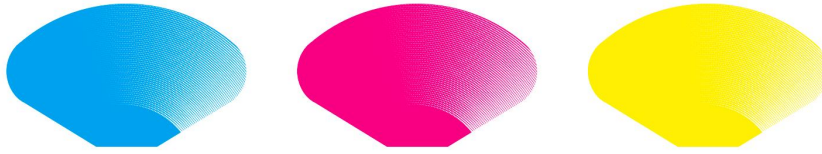
Gross weight: 32kgs

2in1 fly case optional

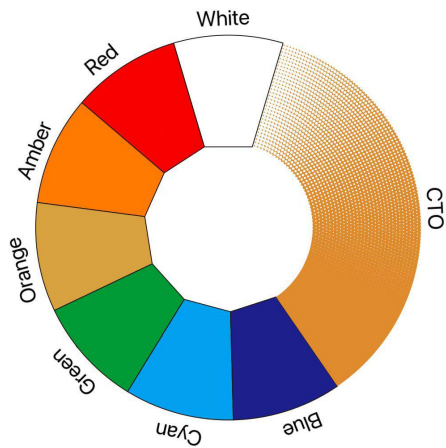
## PHOTOMETRICS:



## CMY



## COLOR WHEEL



## FIXED GOBO WHEEL

(Diameter 14MM, External diameter 17.9MM, Thickness 1.1MM)

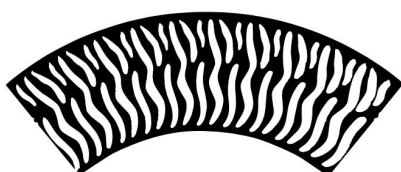


## ROTATING GOBO WHEEL

(Diameter 14MM, External diameter 22.9MM, Thickness 1.1MM)



## AMIMATION DISC



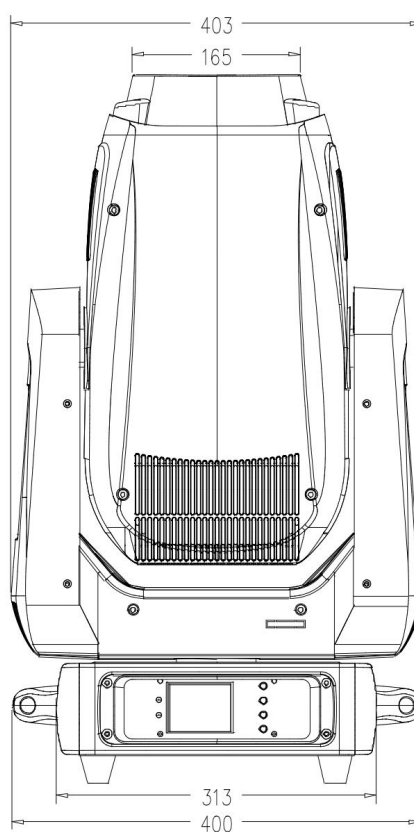
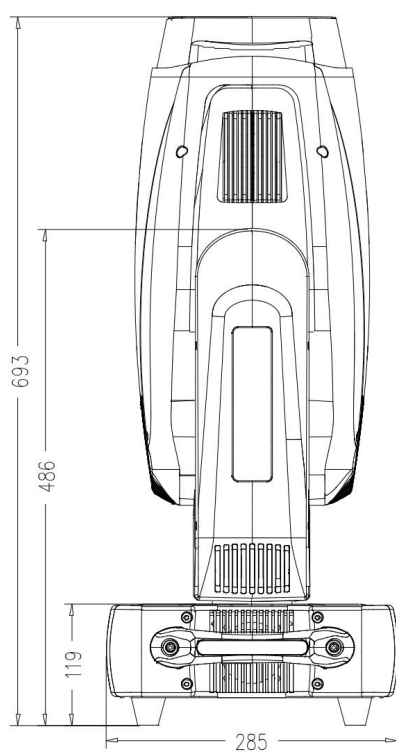
**FOCUS**



**IRIS**



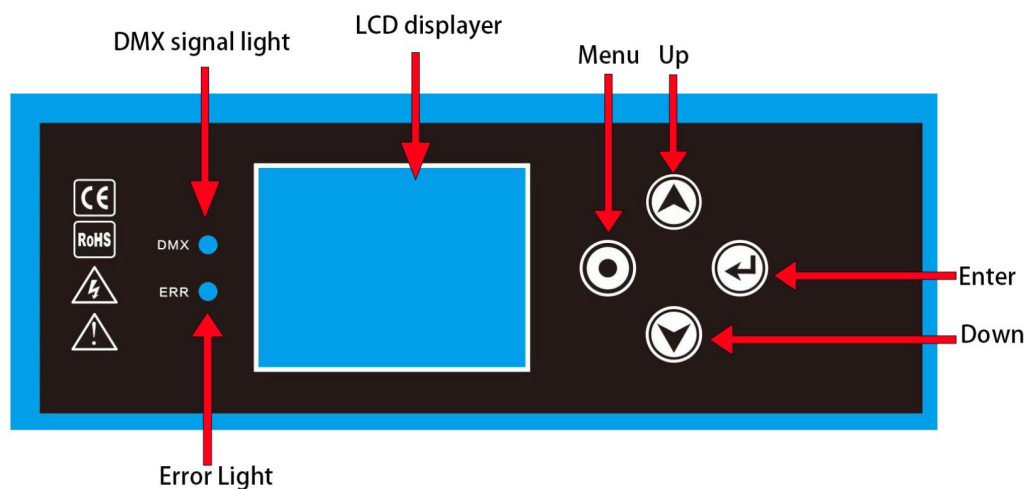
**FIXTURE SIZE(MM)**





## Menu operation

### Key Instructions



The function of the Menu is the same: return to the previous interface  
Up、down keys: Select、edit  
Enter Key: Perform function, start edit, exit edit

### Menu Description



Figure 4 Schematic diagram of main menu

## DMX Settings

Key description: Press up or down is +1 or -1 mode; Press one or the next one, quickly adjust the address code mode; Press the confirm key to return

Manual instructions: Enter the hundreds place first, then the tens place, and finally the one place. (For example: enter the 286 address code, it will first

point 2, then point 8, and finally point 6)

**In /En**

**Chinese/English interface switch;**

## System information

Options	Instructions	
System version	DIS	Display board software version
	MT	Motor board software version
Temperature information		Display lamp bead temperature
Fan information	Fan speed	Display fan speed information
System time	Total Bright bubble	Cumulative brightening time (accurate to minute)
	This brightening bubble	Time of this shining bubble (accurate to minute)
	Total usage time	Total usage time (accurate to minute)
	Time of use	Use time since this turn on (accurate to minutes)
	Date of manufacture	
	Duration of permission	9999 means no encryption and can be used for a long time. Other values indicate the remaining use time, with encryption;
Sensor monitoring	X Hall	0 when magnetic is detected, 1 otherwise
	Y Hall	0 when magnetic is detected, 1 otherwise
	Color disk Hall	0 when magnetic is detected, 1 otherwise
	CMY Hall	0 when magnetic is detected, 1 otherwise
	CTO Hall	0 when magnetic is detected, 1 otherwise
	Fix pattern panl	0 when magnetic is detected, 1 otherwise
	Glass pattern Hall	0 when magnetic is detected, 1 otherwise
	Glass pattern rotation Hall	0 when magnetic is detected, 1 otherwise
	Focus Hall	0 when magnetic is detected, 1 otherwise
	Enlarge Hall	0 when magnetic is detected, 1 otherwise
	Prism 1 Rotate the Hall	0 when magnetic is detected, 1 otherwise
	X code disk status	2 digits, each corresponding to a photoelectric switch in the code disk
	Y code disk status	2 digits, each corresponding to a photoelectric switch in the code disk

	X-axis encoding disk step value	When traveling in the forward direction, the step value should increase, and when traveling in the reverse direction, the step value should decrease. The number should be normal every time you reach the same point
	The Y-axis encodes the disk step value	The step value should increase in the forward direction and decrease in the reverse direction. The number should be normal every time you reach the same point
System Error		If the red ERR indicator light shines, it indicates that the lamp is running incorrectly, and the details can be viewed from this sub-interface. After viewing, you can press the "Clear" button to clear the error record
DMX channel value monitoring		From this, the sub-interface is entered and the channel value is displayed in numerical and percentage terms for viewing

Common Error Messages	Instructions
MT board connection failed	Motor board not responding. There is a problem with the serial communication line connecting the display board to the motor board, or there is a problem with the motor board.
X-axis reset failed	There is a problem with the X-axis photoelectric switch, or the X-axis motor or motor board
Y-axis reset failed	Y-axis photoelectric switch, or Y-axis motor or motor board problem
X-axis Hall error	X-axis Hall, or a problem with the motor board
Y-axis Hall error	Y-axis Hall, or motor board problem
Color disk reset failed	Color disk Hall, or there is a problem with the color disk motor
The pattern plate failed to reset	Pattern plate Hall, or pattern plate motor has a problem
The focus reset failed	Focusing Hall, or a problem with the focusing motor

## Light fixture setup

Options	Instructions	
DMX Channel	34CH	34 channel pattern
Working mode	Standard	Standard mode is suitable for outdoors
	theater	Suitable for indoor high floors
	Film and television	Suitable for indoor small space environment
Language	Chinese	Set to the Chinese interface
	English	Set to English interface
Screen flip	close	Front display
	open	Screen inverted display
Screen auto-flip	close	Disable the automatic rollover function
	open	Gravity sensing auto flip
Dimming curve	Square	Index
	linear	Linear
	SCurve	Sines
	InSquare	Logarithm
RDM function	close	Turn on the RDM function
	open	Disable the RDM function
DMX Signal	Hold	Continue running in its original state
	Reset	Turn the motor back and stop running
Screensaver	close	Turn off screensaver
	open	Turn on screensaver
Light pursuit mode	close	Off
	Mode 1	No power in XY Light pursuit mode
	Mode 2	XY Light pursuit mode with very little force
X Reversal	close	Default
	open	Switch start and end points
Y Reversal	close	Default
	open	Switch start and end points
XY swap	close	Default
	open	Channel for switching XY axes (including fine tuning)
XY encoder	open	Use an encoder (optocoupler) to judge out of step and automatically correct the position
	close	Correct position without using an encoder (optocoupler)
Restore default Settings		Press "OK" to see the confirmation dialog box, press "OK" again to restore the default Settings

## Run Mode

Self-walking mode	DMX	Slave state: Receives DMX signals from the console or host
	Bootstrap	Host status: Self-drive and send DMX signal to slave
	Scenario 1, 2, 3	Turn on scene Self Walk
	Programming 1, 2, 3	Call console programmed program self-walk
Scene run	All	All open scenes run sequentially
	From 1 to 5	Call a scene run individually
Scene setup	Scene channel Save	Edit number Press the confirm key to save (Display: saving)
	Multi-step scene group	1, 2, 3; There are three groups
	Scene step selection	Under the current group, switch to the number of steps you want to edit
	Scene time (s)	1-100; Total time for each step to run
	Scene delay (%)	0-100; Gradient percentage, where 0 is a direct jump;
	Scene run	When turned on, all running modes can be invoked; Off can only be called individually
	1-36 channel values	
Console Programming	Programming 1, 2, 3	Switch the program location to record, press the confirm button to enter the programming record interface, need to connect the console
	Time (S)	Set running time for each 1 step
	Number of steps	Current step of the program
	Clear data	Clear all data in the current program
Console Programming >> Programming interface		Adjust the number of steps up and down, connect the console to save;

**Manual control (In the main interface, click the operation mode menu, select the manual control item, press confirm to enter manual control)**

This interface is used to control the current lamp and automatically enter the host state (does not receive DMX signal, self-walking mode is the host, and sends DMX signal to the bus to the slave machine).

The manual menu will display 36 channels according to the standard 36 channels set in the setting menu.

Options	Instructions	
1CH. X	0 ~ 255	Press "OK" to enter the editing state. At this time, the hundreds digit is selected, and press the "up" and "down" keys to change the channel value. Press the "OK" key again to select the tens edit. Press "OK" again to select the ones edit. Press again to exit the editing state
...	0 ~ 255	
35CH. Aperture	0 ~ 255	
36CH. Reset		Press "OK" to see the confirmation dialog box, press "OK" again to enter the reset interface, all motor reset

ALL reset		Press "OK" to see the confirmation dialog box, press "OK" again to enter the reset interface, all motors reset
XY reset		Press "OK" to see the confirmation dialog box, press "OK" again to enter the reset interface, XY reset
MT reset		Press "OK" to see the confirmation dialog box, press "OK" again to enter the reset interface, the small motor reset

## Factory Settings

Options	Instructions	
Motor Calibration	X-axis	After entering the sub-interface, the reset position of the motor such as X axis and Y axis can be adjusted to make up for the error on the hardware installation. The adjustment range is -128~+127, and +0 indicates no adjustment.
	Y-axis	
	Color plate	
	Fixed pattern plate	
	Glass pattern plate	
	Glass pattern spin	
	Effects tray zero	
	Disc travel	
	Apparent finger zero	
	Apparent finger stroke	
	Temperature	
	Cyan	
	Magenta	
	Yellow	
	Focusing	
	Zoom in	
	Prism 1 Zero point	
	Prism 1 Stroke	

	Prism 2 Zero	
	Prism 2 Stroke	
	Prism 1 Rotation	
	Prism 2 Rotate	
	Fogging zero	
	Atomization stroke	
	Cutting rotary plate	
	Aperture	
	Cut 1	
	Cut 2	
	Cut 3	
	Cut 4	
	Cut 5	
	Cut 6	
	Cut 7	
	Cut 8	
XY speed adjustment	X-axis speed	000-255, slow to fast adjustment
	Y-axis speed	
Fan adjustment	Fan regulation	Only do temporary adjustment, power is not saved
	Fan speed	

## DMX CHANNEL

38CH	41CH	Function
CH1	CH1	Cyan
CH2	CH2	Magenta
CH3	CH3	Yellow
CH4	CH4	CTO
CH5	CH5	Color wheel
CH6	CH6	Strobe
CH7	CH7	Dimmer
CH8	CH8	Dimmer fine
CH9	CH9	Iris
CH10	CH10	Static gobo wheel
CH11	CH11	Rotating gobo insertion
CH12	CH12	Gobo rotation
CH13	CH13	Gobo rotation fine
CH14	CH14	Prism insertion
CH15	CH15	Prism rotation
CH16	CH16	Animation wheel insertion
CH17	CH17	Animation wheel rotation
CH18	CH18	Frost 1
CH19	CH19	Frost 2
CH20	CH20	Focus
-	CH21	Focus fine
CH21	CH22	Zoom
-	CH23	Zoom fine
CH22	CH24	Framing blade 1 movement
CH23	CH25	Framing blade 1 swivelling
CH24	CH26	Framing blade 2 movement
CH25	CH27	Framing blade 2 swivelling
CH26	CH28	Framing blade 3 movement
CH27	CH29	Framing blade 3 swivelling
CH28	CH30	Framing blade 4 movement
CH29	CH31	Framing blade 4 swivelling
CH30	CH32	Framing rotation
CH31	CH33	Framing macro
CH32	CH34	Framing macro speed
CH33	CH35	Pan
CH34	CH36	Pan fine
CH35	CH37	Tilt
CH36	CH38	Tilt fine
CH37	CH39	Rest
CH38	CH40	Function
-	CH41	Reserved



## **REMARK**

The product has perfect performance and integrity packaging. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers. Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.