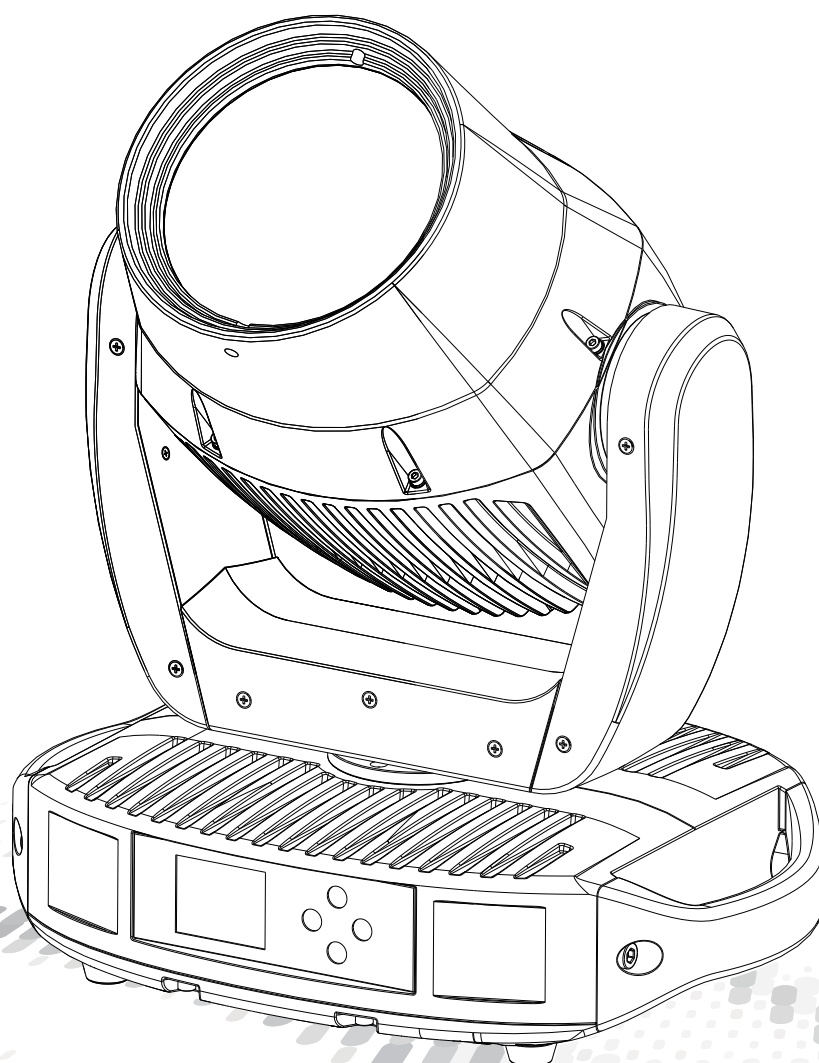


SHOWPRO

NEPTUNE 200 BEAM

USER MANUAL

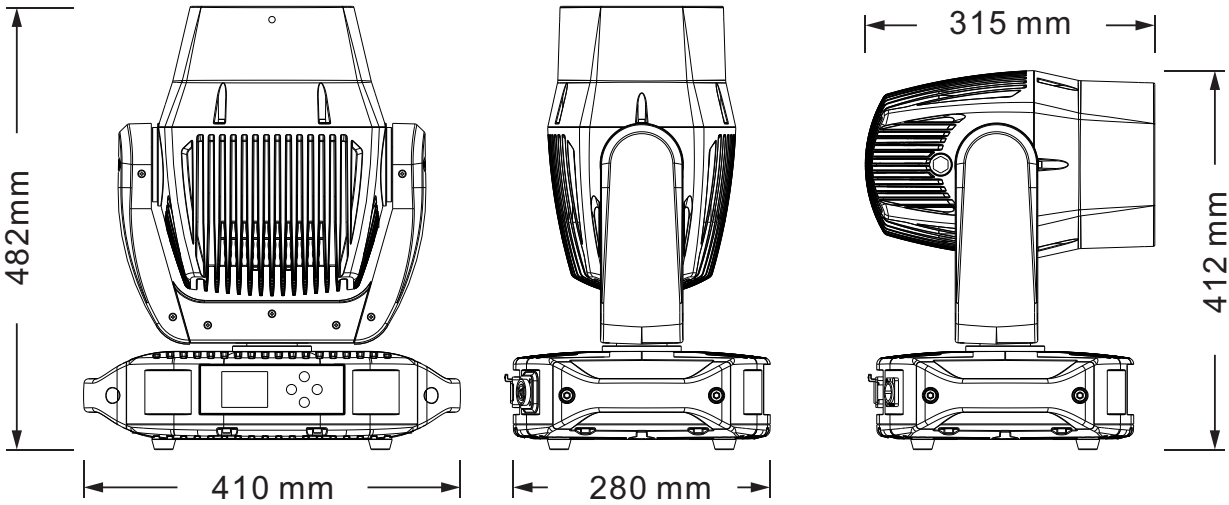
LEDMOV620



1 Product Introduction

1.1 Specification

Product Code	LEDMOV620
Dimenson	410×280×482(mm)
Weight	22KG
Rated Power	180W
Input Voltage	AC100~240VAC,50/60Hz
Frequency Range	2.2A
Ambient Temperature	-20°C~45°C
Beam Angle	1.7°
Control Mode	DMX512/RDM/ArtNet/sACN



1.2 Safety warning

IMPORTANT

Always read the user manual before operation.

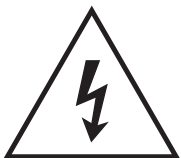
Please confirm that the power supply stated on the product is the same as the mains power supply in your area.

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- Do not stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.
- Do not open the fixture or remove any cover. Refer any service operation not described in this manual to an authorized Show Technology Service Centre.

ATTENTION



- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact your distributor immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- 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.



Caution, risk of electric shock

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

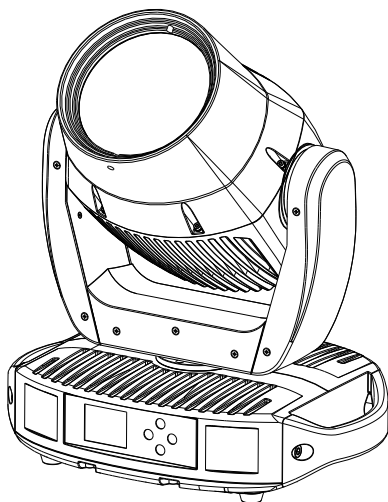
2 Installation

2.1 Mounting

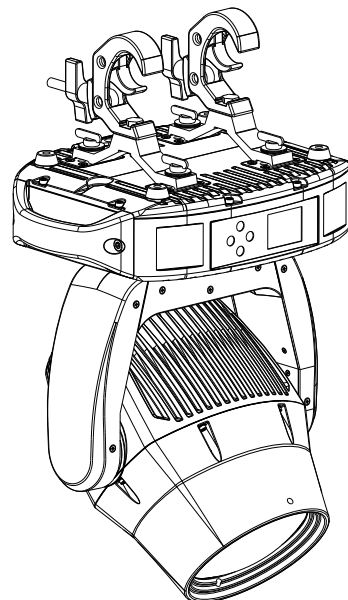
The fixture can be mounted in any position.
Always ensure that mounting surface can withstand 10 times the weight of the fixture.

Always use a safety cable when mounting the fixture in any elevated position.

Contact your ShowPRO supplier for assistance if you have any questions about how to install this product safely.



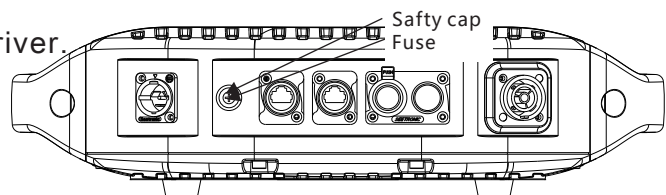
UPRIGHT



HANGING

2.2 Fuse replacement

- Remove the safety cap by a screwdriver.
- Fetch the old fuse from safety cap.
- Install a new fuse.
- Install the safety cap.



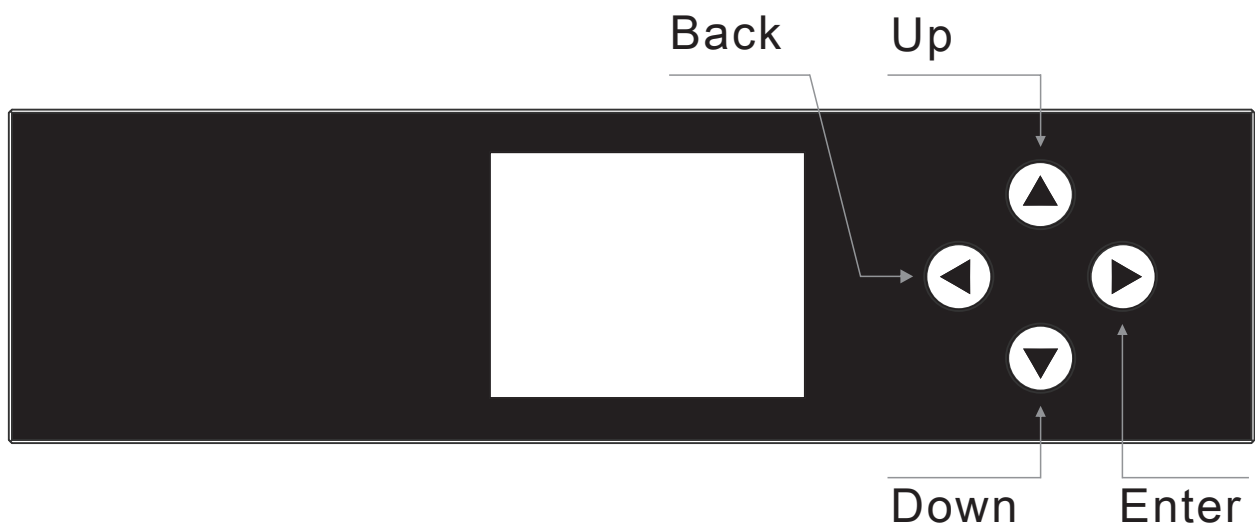
2.3 Power connections

This product uses input and output power cable is 1.5 square mm copper wire
Note:

If the signal cable is over 60m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.

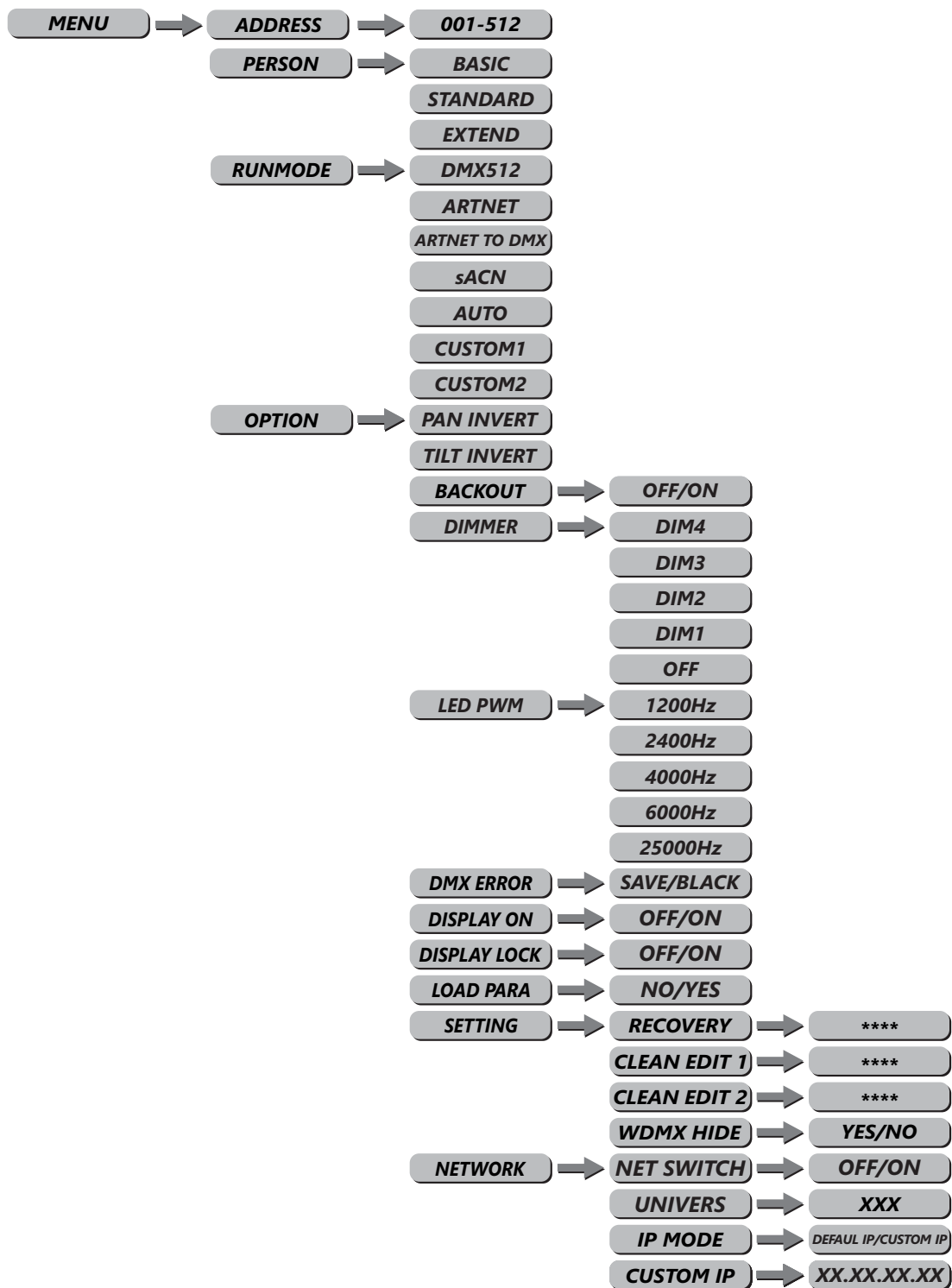
3 Display panel operation

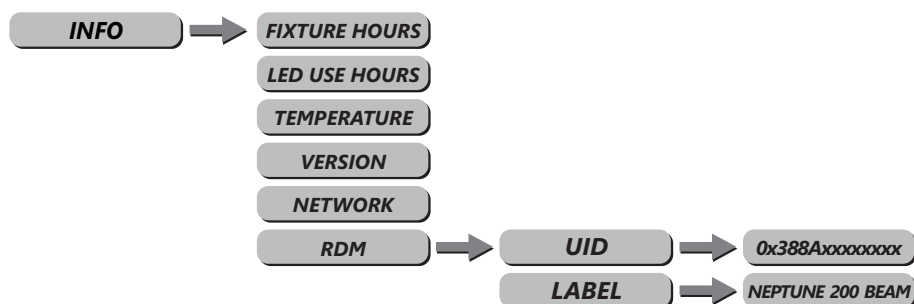
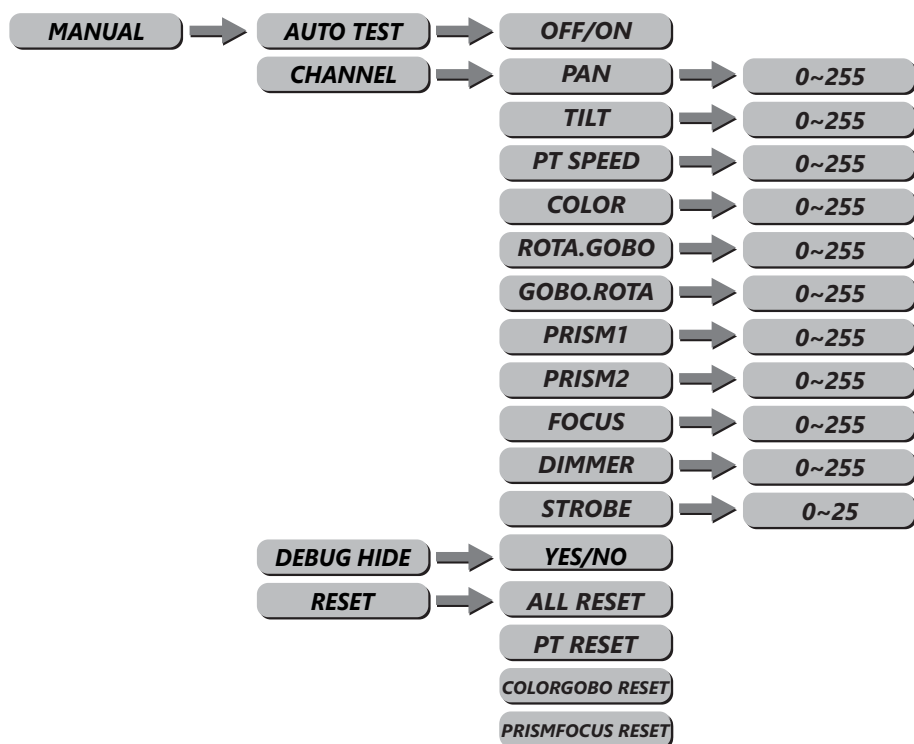
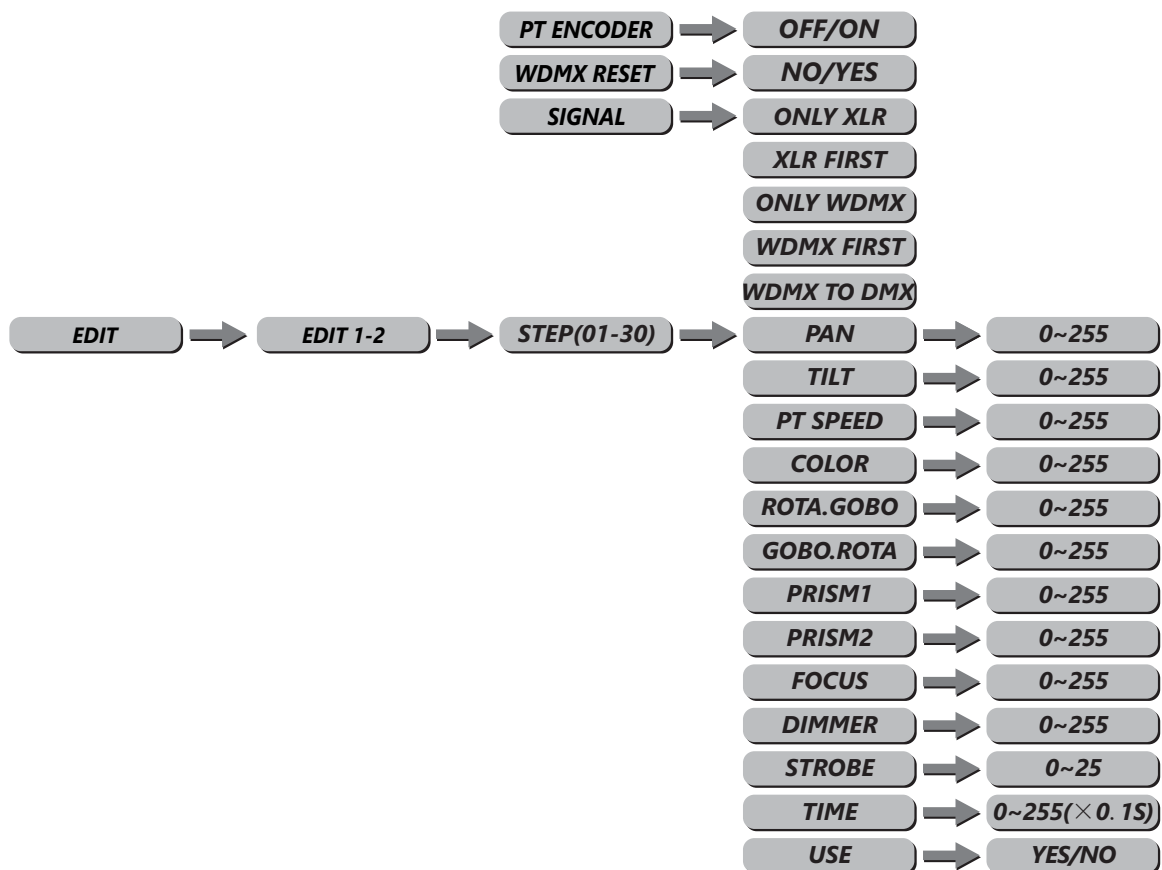
3.1 Display operation

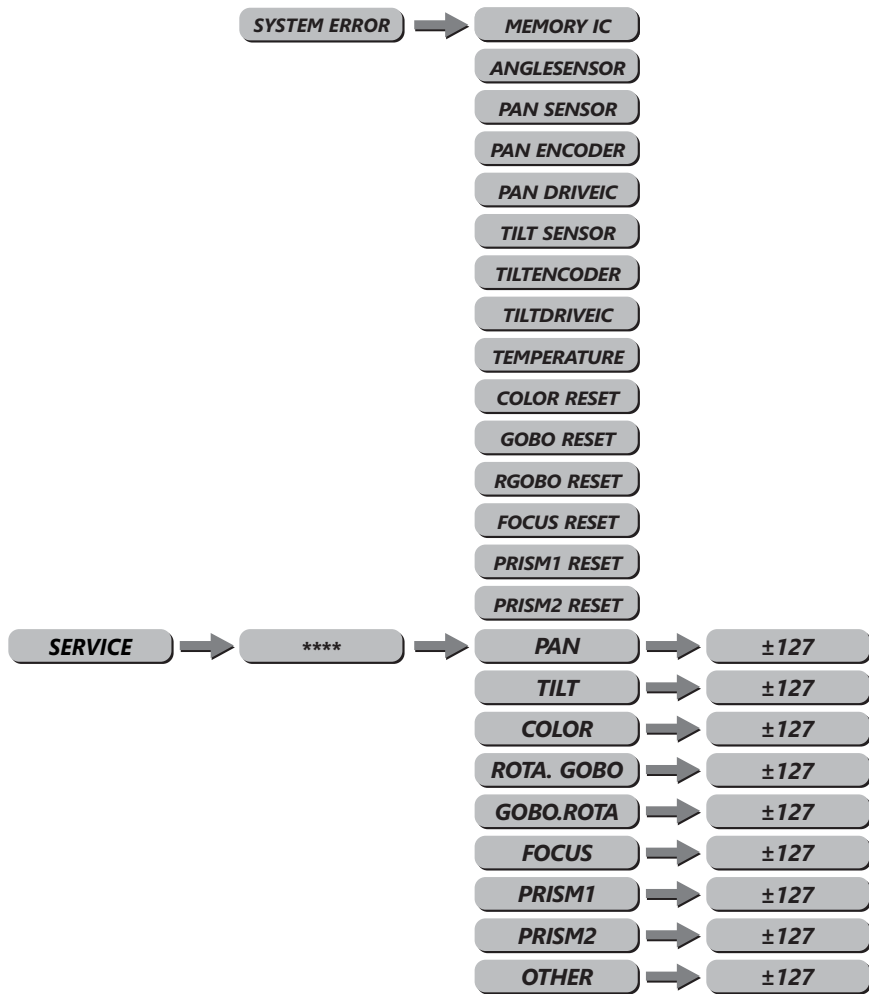


- <UP> Scroll 'UP' through the menu list or increase the value of the current function.
- <DOWN> Scroll 'DOWN' through the menu list or decrease the value of the current function.
- <BACK> Scroll through the main menu or exit current function.
- <ENTER> Enter the currently selected menu or confirm the current function value.
- To Unlock (Wake) the display:
 1. Keep pressing BACK around 5 seconds, until the display shows password prompt
 2. Press "<UP> <DOWN><UP><DOWN><ENTER>" to unlock.

3.2 Menu





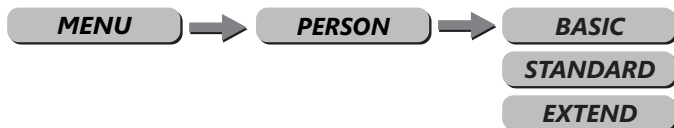


3.3 DMX Address



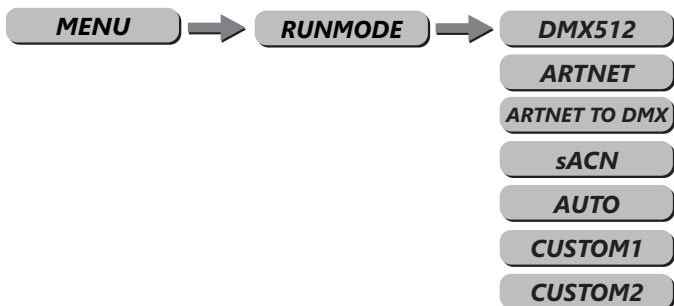
- Enter the **【DMX】** mode to set the DMX address.
- Enter Up/Down select **【1~512】** address.
- Enter **【MENU】** return.

3.4 Personality(Person)



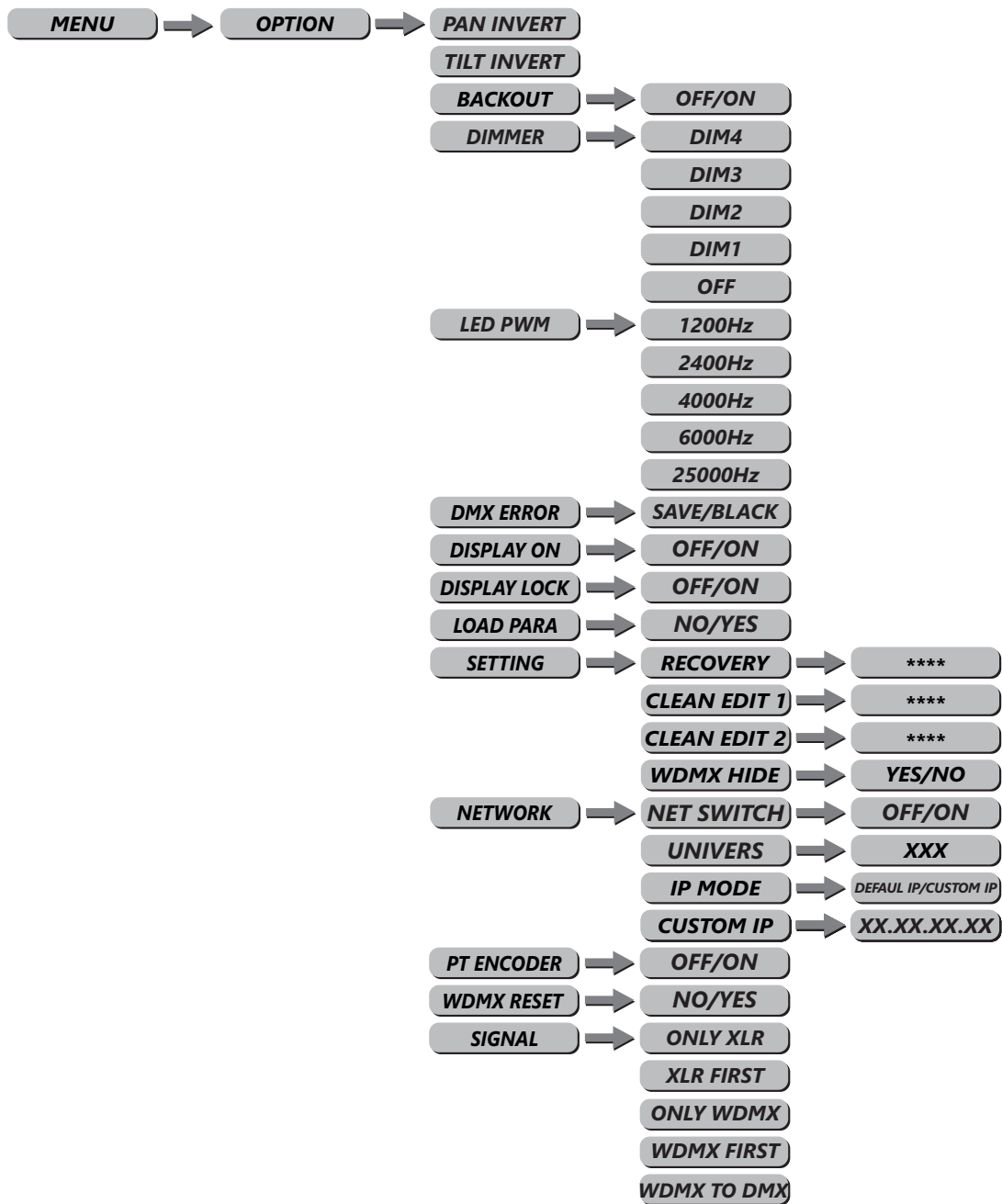
- Enter the **【PERSON】** mode to select DMX mode: **【STANDARD】** , **【BASIC】** , **【EXTEND】** .

3.5 Runmode



- **【RUNMODE】** menu, select required run mode, There are six modes inside:
【DMX512】 DMX512 Mode,
【ARTNET】 Artnet Mode,
【ARTNET To DMX】 ARTNET to DMX Mode,
【sACN】 sACN Mode, **【AUTO】** Auto run Mode,
【CUSTOM1】 Customer self-editing scene mode1,
【CUSTOM2】 Customer self-editing scene mode2
Press **【DOWN】** / **【UP】** select mode.
- Press **【ENTER】** accept, Press **【MENU】** return.

3.6 Performance(Optional)



- Enter **【OPTION】** into the machine set.
- **【PAN INVERT】** menu, select **【NORMAL】** for normal direction,select **【INVERT】** for inverted of the PAN direction.
- **【TITL INVERT】** menu, select **【NORMAL】** for normal direction,select **【INVERT】** for inverted of the TITL direction.
- Choose **【OFF】** and **【ON】** to close and open the **【BLACKOUT】** mode.
- **【DIMMER】** menu for selection of **【DIM1/DIM2/DIM3/DIM4/OFF】** special dimming curves.

- **【LED PWM】** is PWM refresh rate bottom, press UP/DOWN to choose <1200Hz>、<2000Hz>、<2400Hz>、<6000Hz>、<25000Hz>;
Attention: The gray level of dimming will be reduced as the refresh rate increases.
- **【DMX Error】** menu, select **【SAVE】** to maintain last command in case of DMX error or **【BLACK】** for blackout.
- Choose **【OFF】** and **【ON】** to close and open the display open & close mode in menu **【DISPLAY ON】**
- Choose **【OFF】** and **【ON】** to close and open the screen lock mode in menu **【DISPLAY LOCK】**
- **【LOAD PARA】** is Parameter upload Settings, enter **【NO】** do not upload, enter **【YES】** upload.
- **【SETTING】** Maintain Settings, select **【RECOVERY】** is restore default factory Settings.
Press **【ENTER】** Enter password then press **【ENTER】** ,if your password correct there will display **【OK】** .
【CLEAN EDIT1】 clean Customer self-editing scene 1, press **【ENTER】** confirm.
【CLEAN EDIT2】 clean Customer self-editing scene 2, press **【ENTER】** confirm.
【WDMX HIDE】 hide wireless mode, WDMX RESET and SIGNAL hide and the default is wired mode only.
- **【NETWORK】** network setting, press **【ENTER】** in, Depending on the mode, you can hide unwanted features. For example Net Switch=Off IP Mode=Default.
【UNIVERS】 Packet group Settings , output grouping 0~255.
【IP MODE】 IP mode setting, **【DEFAULTIP】** is default IP, **【CUSTOM IP】** is customer's IP.
【CUSTOM IP EDIT】 is customer's IP setting.
- **【PT ENCODER】** XY Encoder switch, **【OFF】** is close, **【ON】** is open.
- **【WDMX RESET】** wireless resetting,use for patch wireless signal, **【YES】** is Clear the receiver's message,press again patch wireless signal, **【No】** do not clear the receiver's message.
- **【SIGNAL】** is signal setting, ONLY XLR is wire only, XLR FIRST is wire first, ONLY WDMX is wireless only.WDMX FIRS is wireless first , WDMX TO DMX is wireless to wired.

3.7 EDIT



- Enter the **【Edit】** mode to edit the custom programs by adjusting the value of **【PAN】** , **【TILT】** , **【PT SPEED】** , **【COLOR】** , **【ROTA.GOBO】** , **【GOBO.ROTA】** , **【PRISM 1】** , **【PRISM 2】** , **【FOCUS】** , **【DIMMER】** , **【STROBE】** , **【TIME】** .

- Enter **【Use】** and select **【Yes】** to run the steps user need.

- Note:if user want to circulate the created steps,please set the last step's **【TIME】** as 0.

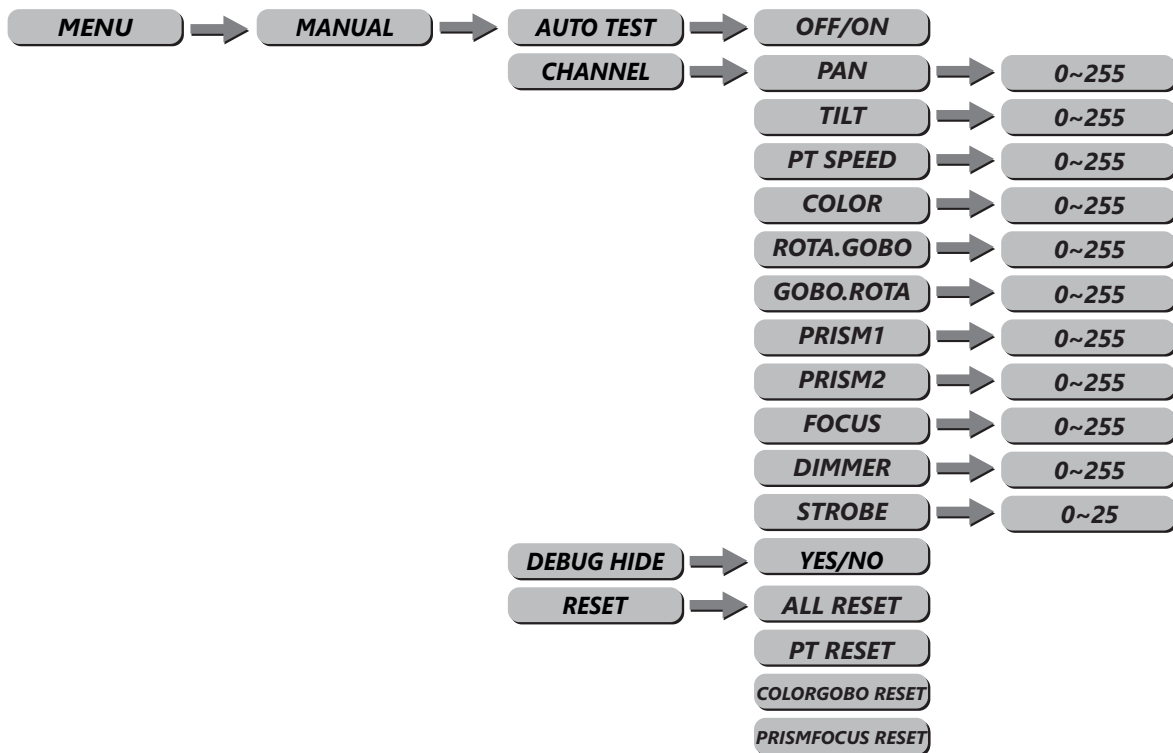
For example,there are 3 steps,the setting should be like belowed:

Step 1 **【TIME】** =4 **【Use】** =Yes

Step 2 **【TIME】** =5 **【Use】** =Yes

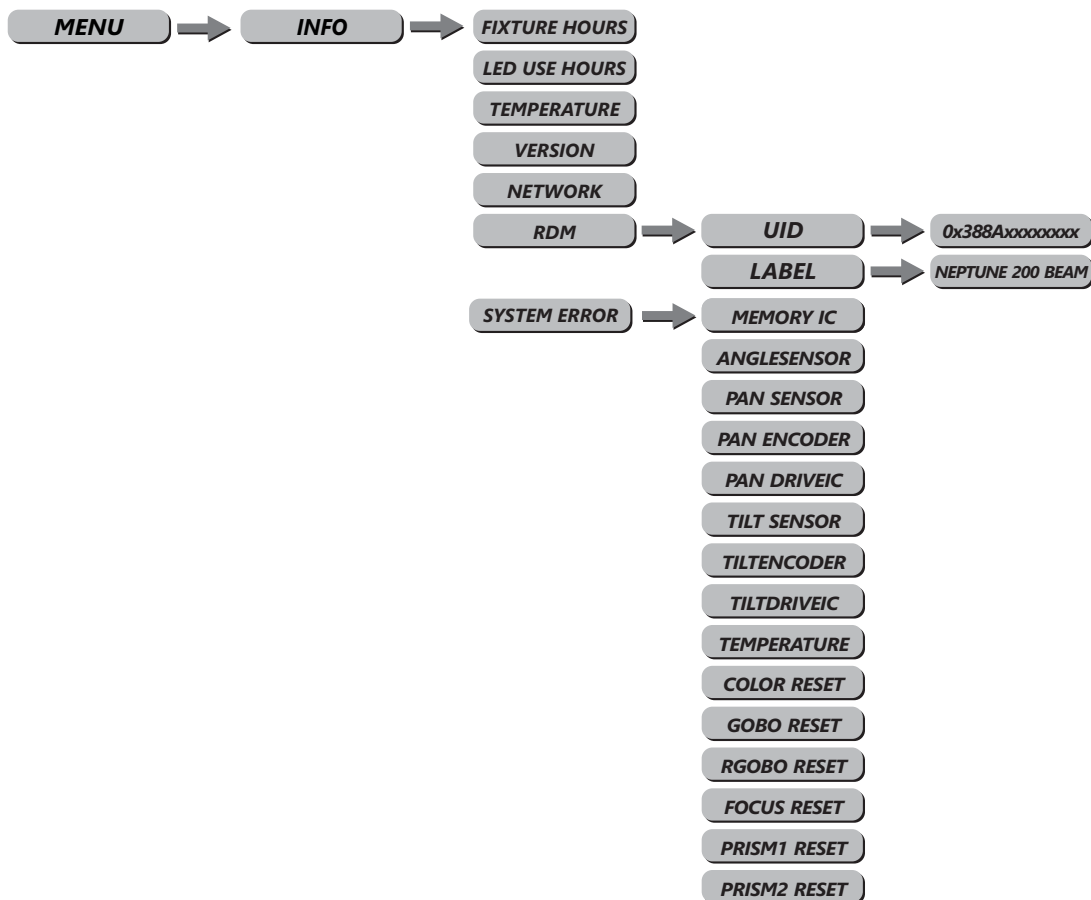
Step 3 **【TIME】** =0 **【Use】** =Yes

3.8 MANUAL



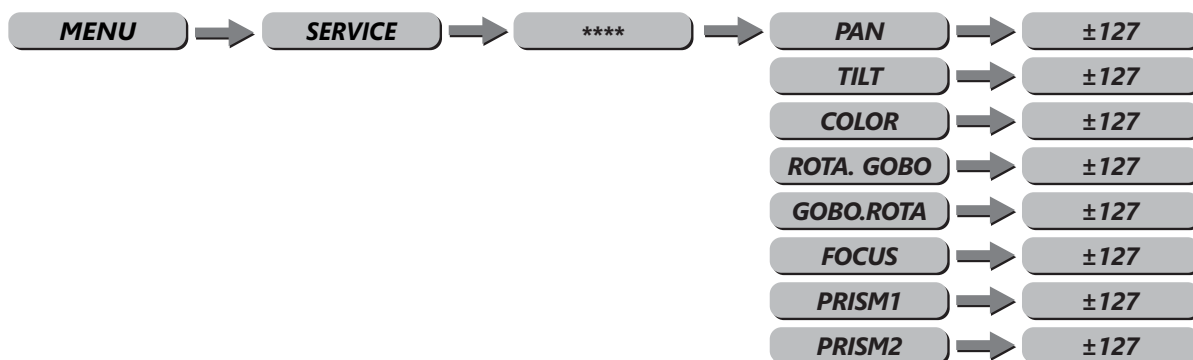
- Press **【ENTER】** into **【AUTOTEST】** at **【MANUAL】** .
- **【PAN】** pan set, **【TILT】** tilt set, **【PT SPEED】** set the pan & tilt speed, **【COLOR】** color temperature, **【ROTA.GOBO】** set the rotating gobo wheel, **【GOBO.ROTA】** set the autogiration of gobo wheell, **【PRISM 1】** set the prism 1, **【PRISM 2】** set the prism 2, **【FOCUS】** set the focusing, **【DIMMER】** set the dimmer, **【STROBE】** set the strobe, push the UP/DOWN to set the value **【0~25】** .
- **【DEBUG HIDE】** is the factory testing mode.All stepper motors are not controlled by signal,It only works again after the reset. enter No out, enter Yes in.
- **【RESET】** set the reset :
 - 【ALL RESET】** menu, select Yes/No to carry out all reset.
 - 【PT RESET】** menu, select Yes/No to carry out PAN/TILT reset.
 - 【COLOR GOBO RESET】** color wheel、GOBO , press No do not resetting, press Yes resetting.
 - 【PRISM FOCUS RESET】** focus、prism , press No do not resetting, press Yes resetting.

3.9 INFO



- Press **[ENTER]** into **INFO** check information, press up and down
 - Fixture Hours** is hours of fixture use;
 - LED Use Hours** is LED use time;
 - Temperature** is led temperature.
 - Version** is software versions;
 - Network** check network parameter;
 - RDM** check fixture's ID.
 - SYSTEM ERROR** System information error : Memory IC, Angle Sensor, Pan Sensor, Pan Encoder, Pan Drive IC, Tilt Sensor, TiltEncoder, TiltDriveIC, Temperature, Color reset, Gobo reset, RGobo reset, Focus reset, Prism 1 reset, Prism 2 reset.

3.10 SERVICE



- Press **【ENTER】** into **【SERVICE】** Enter password to enter the options page.

【PAN】 Pan position fine adjustment , Push up and down buttons adjust ± 127 value.

【TILT】 Tilt position fine adjustment , Push up and down buttons adjust ± 127 value.

【COLOR】 Color position fine adjustment , Push up and down buttons adjust ± 127 value.

【ROTA. GOBO】 Rotation gobo position fine adjustment , Push up and down buttons adjust ± 127 value.

【GOBO.ROTA】 Gobo self-rotation position fine adjustment , Push up and down buttons adjust ± 127 value.

【FOCUS】 Focus position fine adjustment , Push up and down buttons adjust ± 127 value.

【PRISM 1】 Prism position fine adjustment , Push up and down buttons adjust ± 127 value.

【PRISM 2】 Prism position fine adjustment , Push up and down buttons adjust ± 127 value.

4 Using a DMX512 Controller

4.1 Channel Assignment

Note: this product has three DMX512 channel configurations: **【BASIC】** **【STANDARD】** **【EXTEND】** .

BASIC (12CH)	STANDARD (15CH)	EXTEND (18CH)	VALUE	FUNCTION
CH.1	CH.1	CH.1	000-255	PAN 0-540°
-	CH.2	CH.2	000-255	PAN FINE
CH.2	CH.3	CH.3	000-255	TILT 0-270°
-	CH.4	CH.4	000-255	TILT FINE
CH.3	CH.5	CH.5	000-255	PT Speed
CH.4	CH.6	CH.6	COLOR WHELL1 9+1	
			000-007	WHITE
			008-013	COLOR 1
			014-019	COLOR 2
			020-025	COLOR 3
			026-031	COLOR 4
			032-037	COLOR 5
			038-043	COLOR 6
			044-049	COLOR 7
			050-055	COLOR 8
			056-063	COLOR 9
			064-191	COLOR WHEEL1 0-360°
			192-222	COLOR WHELL1 RAINBOW EFFECT(SPEED 100%~>1)
			223-224	STOP
			225-255	COLOR WHELL1 RAINBOW EFFECT(SPEED 1->100%)
-	-	CH.7	000-255	COLOR WHEEL FINE
			ROTATING GOBO 8+1	
			000-010	ROTATING WHITE
			011-016	ROTATING GOBO 1
			017-022	ROTATING GOBO 2
			023-028	ROTATING GOBO 3
			029-034	ROTATING GOBO 4
			035-040	ROTATING GOBO 5
			041-046	ROTATING GOBO 6
			047-052	ROTATING GOBO 7

BASIC (12CH)	STANDARD (15CH)	EXTEND (18CH)	VALUE	FUNCTION
CH.5	CH.7	CH.8	053-058	ROTATING GOBO 8
			059-066	ROTATING GOBO 1 SHAKE (SPEED 1 → 100%)
			067-074	ROTATING GOBO 2 SHAKE (SPEED 1 → 100%)
			075-082	ROTATING GOBO 3 SHAKE (SPEED 1 → 100%)
			083-090	ROTATING GOBO 4 SHAKE (SPEED 1 → 100%)
			091-098	ROTATING GOBO 5 SHAKE (SPEED 1 → 100%)
			099-106	ROTATING GOBO 6 SHAKE (SPEED 1 → 100%)
			107-114	ROTATING GOBO 7 SHAKE (SPEED 1 → 100%)
			115-122	ROTATING GOBO 8 SHAKE (SPEED 1 → 100%)
			123-127	WHITE
			128-190	ROTATING GOBO FLOWING WATER EFFECT (SPEED 100 → 1%)
			191-192	STOP WATER EFFECT
			193-255	ROTATING GOBO FLOWING WATER EFFECT (SPEED 1 → 100%)
CH.6	CH.8	CH.9	GOBO ROTATING	
			0-120	ROTATING GOBO ANGLE ADJUSTMENT (0 → 360°)
			121-125	STOP
			126-165	ROTATING GOBO SHAKE (SPEED 1 → 100%)
			166-170	STOP
			171-210	ROTATING GOBO POSITIVE ROTATION (SPEED 100% → 1)
			211-215	STOP
			216-255	ROTATING GOBO REVERSE ROTATION (SPEED 1 → 100%)
—	—	CH.10	000-255	GOBO ROTATING FINE
CH.7	CH.9	CH.11	PRISM 1	
			0-10	WHITE
			11-145	PRISM INSERT AND ADJUST THE ANGLE (0 → 360°)
			146-150	STOP
			151-200	PRISM INSERT AND POSITIVE ROTATION (SPEED 100% → 1)
			201-205	STOP ROTATION
			206-255	PRISM INSERT AND REVERSE ROTATION (SPEED 1 → 100%)
CH.8	CH.10	CH.12	PRISM 2	
			0-10	WHITE
			11-145	PRISM INSERT AND ADJUST THE ANGLE (0 → 360°)
			146-150	STOP
			151-200	PRISM INSERT AND POSITIVE ROTATION (SPEED 100% → 1)
			201-205	STOP ROTATION

BASIC (12CH)	STANDARD (15CH)	EXTEND (18CH)	VALUE	FUNCTION
			206-255	PRISM INSERT AND REVERSE ROTATION (SPEED 1 → 100%)
CH.9	CH.11	CH.13	0-255	FOCUS
-	-	CH.14	0-255	FOCUS FINE
CH.10	CH.12	CH.15	0-255	DIMMER
-	CH.13	CH.16	0-255	DIMMER FINE
CH.11	CH.14	CH.17	STROBE	
			0-9	NO FUNCTION
			10-99	STROBE (FROM SLOW TO FAST)
			100-109	NO FUNCTION
			110-179	LIGHTNING STROBE
			180-189	NO FUNCTION
			190-255	RANDOM SROBE
CH.12	CH.15	CH.18	CONTROL	
			000-010	NO FUNCTION
			011-020	PAN/TILT BLACK ACTIVATED
			021-030	PAN/TILT BLACK DEACTIVATED
			031-040	PAN INVERT
			041-050	TILT INVERT
			051-060	PAN/TILT INVERT OFF
			061-070	FAN SLOW
			071-080	FAN NORMAL
			081-090	FAN FAST
			091-100	FAN AUTO
			101-110	DIM4
			111-120	DIM3
			121-130	DIM2
			131-140	DIM1
			141-150	DIM0
			151-160	1200Hz
			161-170	2400Hz
			171-180	4000Hz
			181-190	6000Hz
			191-200	25000Hz
			201-210	ALL RESET
			211-220	XY RESET

BASIC (12CH)	STANDARD (15CH)	EXTEND (18CH)	VALUE	FUNCTION
			221-230	COLOR GOBO SYSTEM RESET
			231-255	PRISM FOCUS RESET