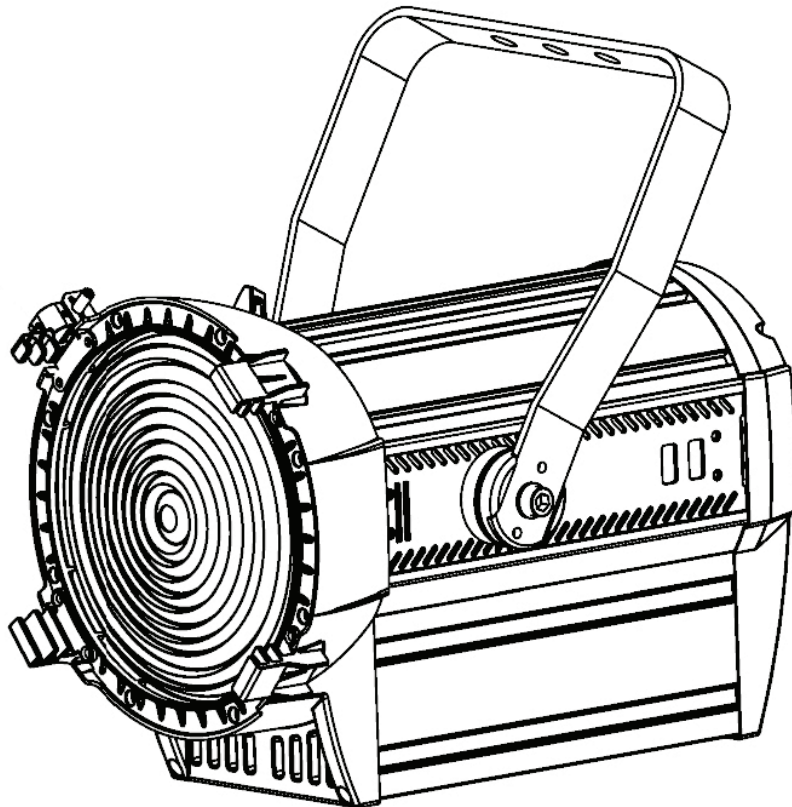# SHOWPRO

LED Fresnel W/W HD

USER MANUAL

LEDFRE115

1 PRODUCT SPECIFICATIONS

1.1 PRODUCT SPECIFICATIONS

◆Voltage:AC100~240V，50/60Hz

◆Max Power:180W

◆ Size:417x286x260mm

◆ Weight:6.6kg

1.2 SAFETY WARNING

IMPORTANT：

●This product must be installed by a qualified professional.

●All maintenance must be carried out by a qualified electrician.

●A minimum distance of 0.5m must be maintained between the equipment and a combustible surface.

●The product must always be operated in a well ventilated area.

●DO NOT stare directly into the LED light source.

●Always disconnect the power before carrying out any maintenance.

●The earth must always be connected to the ground.

●Ensure that all parts of the equipment are kept clean and free of dust.

●A minimum distance of 0.8m must be maintained between the light and projecting surface

●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
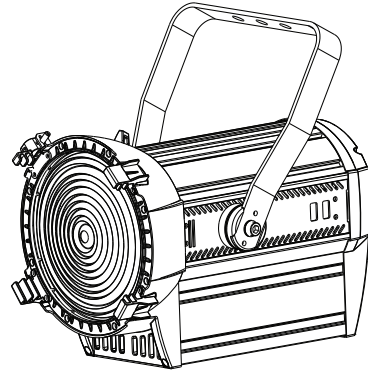
2 INSTALLATION

2.1 MOUNTING

HANGING

The LED fixture can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used.

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

2.2 POWER CONNECTIONS

● 220~240V: 10 units may be connected in series

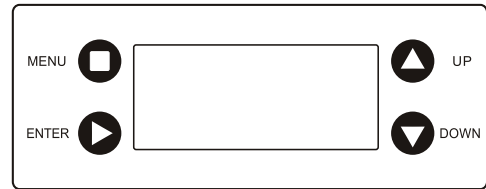● 110~120V: 5 units may be connected in series

3 DISPLAY PANEL OPERATION

3.1 DISPLAY OPERATION

【 MENU 】 return to the previous menu.

【ENTER】 enter the currently selected menu.

【 UP 】 scroll down through the current menu list or
decrease the value of the current function.

【 DOWN 】 scroll up through the current menu list or
Increase the value of the current function.

QUICK-ACCESS KEYS
[MENU] By press and holding the [MENU] key when at the main menu it is
possible to directly access the [DIM] function

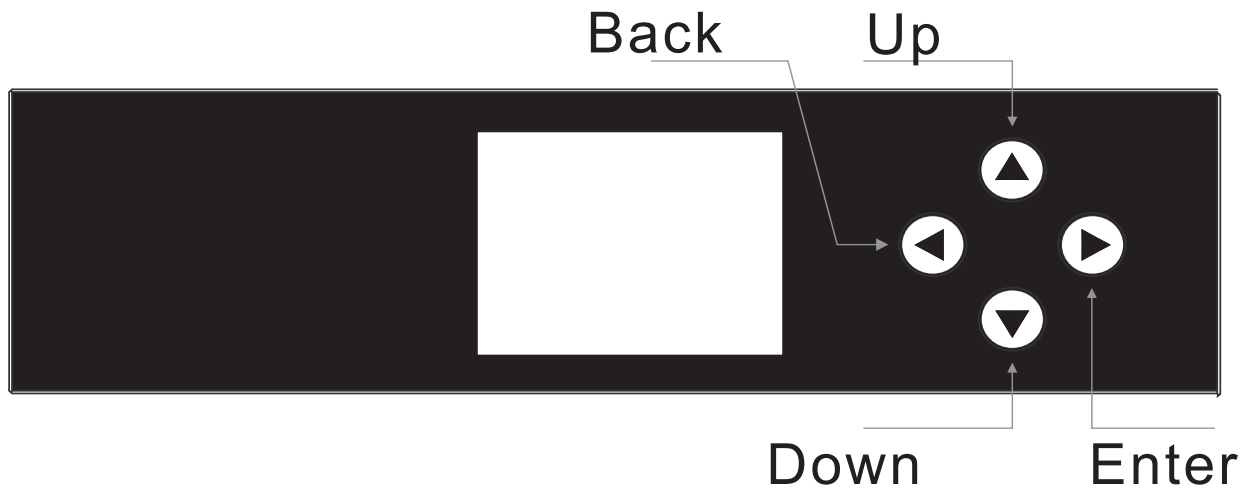## 3.2   CONTROL KNOB

●. DIMMER
●. ZOOM

Notes:
●Press the adjusting button (any one) twice, the fixture will be in STAT mode;
●Press the DIMMER button, DIM shows in the menu, the value range is 0—100%;
●Press ZOOM button, value range 0—100% appears

DISPLAY OPERATION

Ÿ <UP> Scroll 'UP' through the menu list or increase the value of the current function.

Ÿ <DOWN> Scroll 'DOWN' through the menu list or decrease the value of the current function.
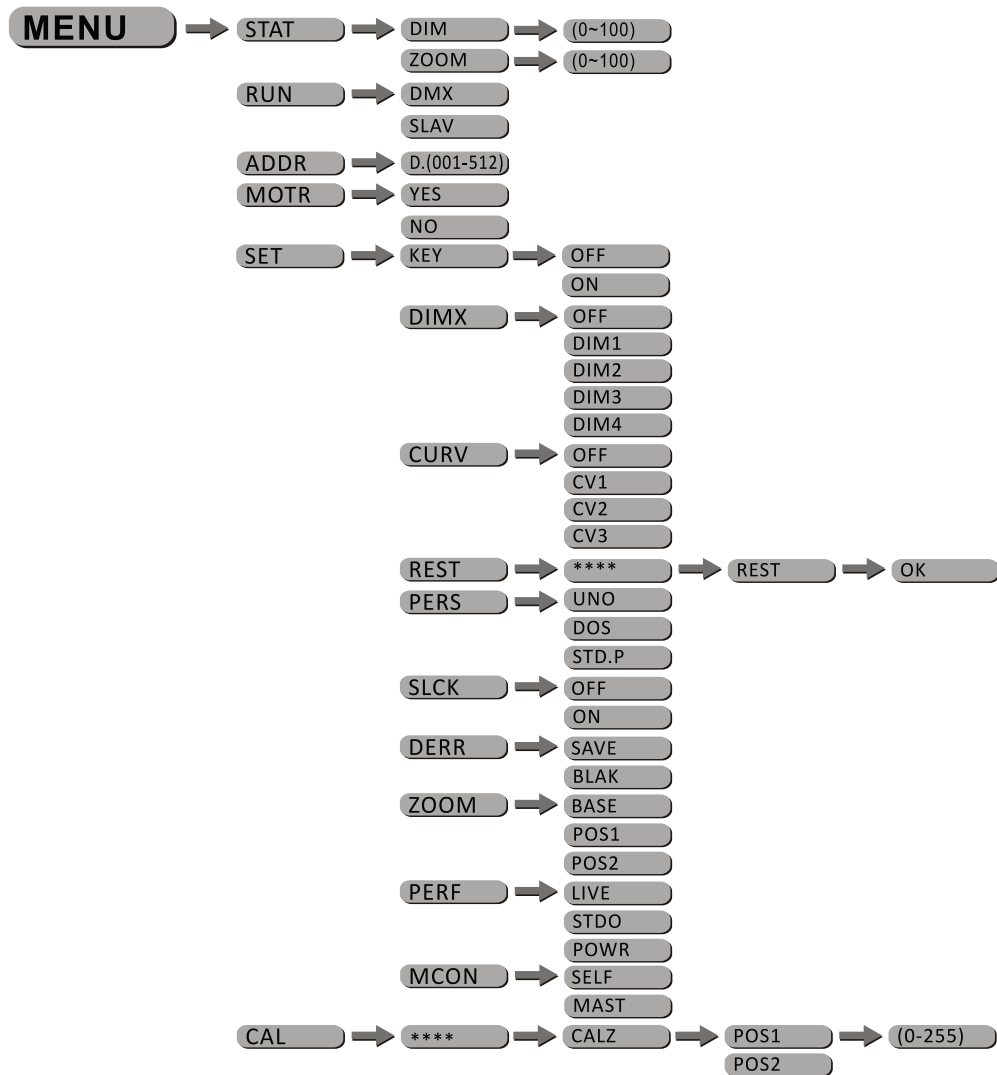
Ÿ <BACK> Scroll through the main menu or exit current function.

Ÿ <ENTER> Enter the currently selected menu or confirm the current function value.

Ÿ 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.

3.3 MENU MAP

```
MENU ──▶ STAT ──▶ DIM  ──▶ (0~100)
                  ZOOM ──▶ (0~100)
         RUN  ──▶ DMX
                  SLAV
         ADDR ──▶ D.(001-512)
         MOTR ──▶ YES
                  NO
         SET  ──▶ KEY  ──▶ OFF
                           ON
                  DIMX ──▶ OFF
                           DIM1
                           DIM2
                           DIM3
                           DIM4
                  CURV ──▶ OFF
                           CV1
                           CV2
                           CV3
                  REST ──▶ ****  ──▶ REST ──▶ OK
                  PERS ──▶ UNO
                           DOS
                           STD.P
                  SLCK ──▶ OFF
                           ON
                  DERR ──▶ SAVE
                           BLAK
                  ZOOM ──▶ BASE
                           POS1
                           POS2
                  PERF ──▶ LIVE
                           STDO
                           POWR
                  MCON ──▶ SELF
                           MAST
         CAL  ──▶ **** ──▶ CALZ ──▶ POS1 ──▶ (0-255)
                                    POS2
```

3.4 DIMMER (STAT)

MENU → STAT → DIM → (0~100)
→ ZOOM → (0~100)

● [DIM]...to adjust level of intensity

● [ZOOM]...to adjust the zoom position

Note：When using this function, if the [MCON] menu is set as [MAST], then the fixture will transfer the [DIM] values to other fixtures. ii) When DMX data is received at the fixture, it will automatically return to main menu after 2 minutes of no key operation.

3.5 RUN MODE

MENU → RUN → DMX
→ SLAV

● [RUN]...this menu allows the user to select the operating mode of the fixture. Select [DMX] for normal DMX operation or [SLAV] for slave operation.

3.6 DMX ADDRESS
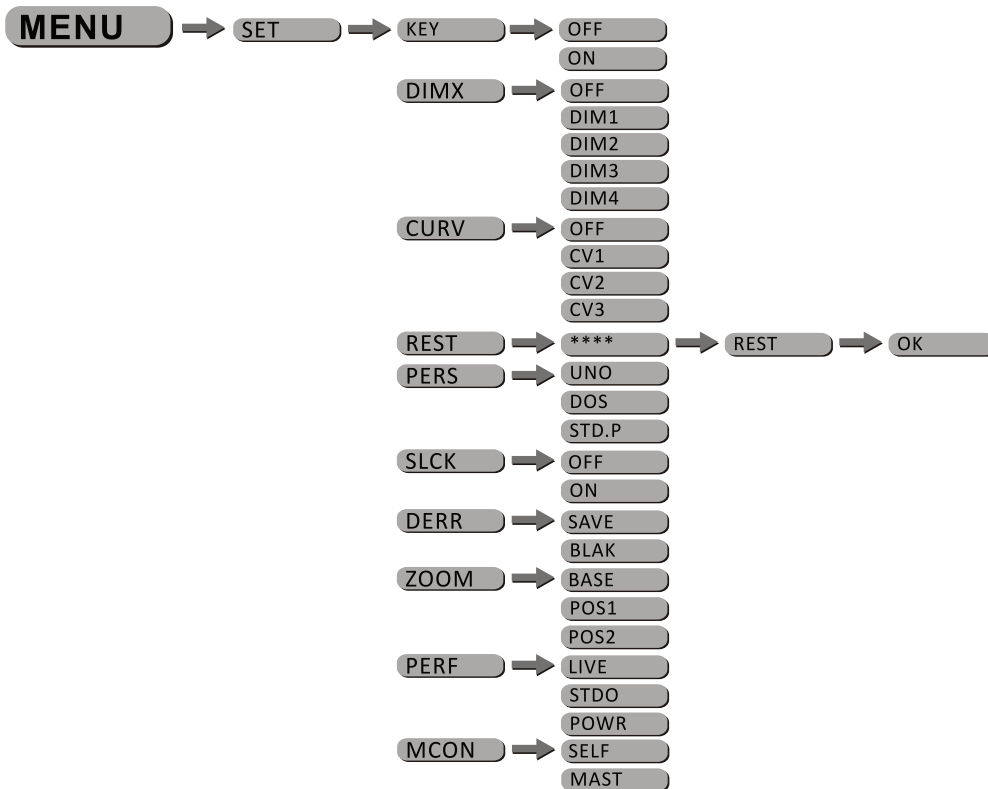
MENU → ADDR → D.(001-512)

● [ADDR]...this menu allows the user to select the start address of the fixture. Use <UP> or <DOWN> keys to select required start address.
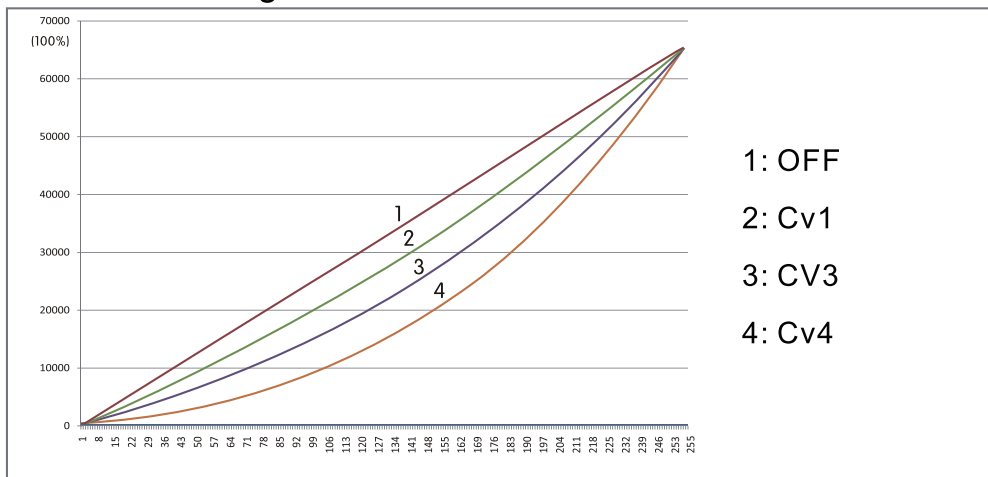
3.7 Motor reset(MOTR)

MENU → MOTR → NO
→ YES

● Press ENTER to enter < MOTR >

● Press UP/DOWN and select <YES> or <NO>

● When you select < YES > and press ENTER, the motor will be reset to origin

● When you select <NO>, and press ENTER, no control.

3.8 SPECIAL SETTINGS

● [SET]...this menu allows the user to adjust key operation settings for this fixture.
   [KEY]...select [ON] for automatic lock-out. Password to re-enter the display is <UP>
   + <DOWN> + <UP> + <DOWN>.

● Select [DIM1], [DIM2], [DIM3] or [DIM4] for different dimming speeds. ([DIM4]is the slowest
   dimming speed)

● [CURV] allows the user to adjust the shape of the dimming curve. See the CURV chart to
   Understand more about actual dimming curves.

● In order to reset custom modes to default values select [REST] .

● [PERS]...this setting allows the user to select the DMX personality of the fixture. Refer to
   DMX personality charts for specific details.

● [SLCK] is used to lock the settings menu. When [SLCK] is set to [ON] then user must insert
   passcode (UP+DOWN+UP+DOWN) in order to access the settings menu.

● [DERR] Choose[Save] in order to save the last DMX data incase of DMX signal error.
    Choose[Black] in order to blackout in case of DMX signal error.

● <ZOOM> is for setting zoom, press UP/DOWN to select. <BASE> is standard setting;
   <POS1> is zoom setting 1; <POS2> is zoom setting 2. Press MENU to get back, and the
   Setting is saved automatically.

● [PERF]this setting allows the user to select the performance characteristics of the fixture.

● [MCON]...this function allows the user to select whether the fixture will send DMX data to
   other fixtures during stand-alone operation. The [MAST] setting allows data to be sent to
   Other fixtures. The [SELF] setting is default and will not send DMX data to other fixtures.

CURV dimming

1: OFF

2: Cv1

3: CV3

4: Cv4

3.9   WHITES CALIBRATION(CAL)

MENU → CAL → **** → CALZ → POS1 / POS2 → (0-255)

● Enter the 【CAL】to select white color of different color temperature.

● Select the【ZOOM】range.【POS1】&【POS2】set the small position for the zoom function.Note that when using DMX to control the fixture, the user will only be able to access upto the set ZOOM position.It is not possible to adjust beyond the set position.

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

● Note: This product have two DMX512 channel configuration:
【UNO】/【DOS】/【STD.P】

UNO

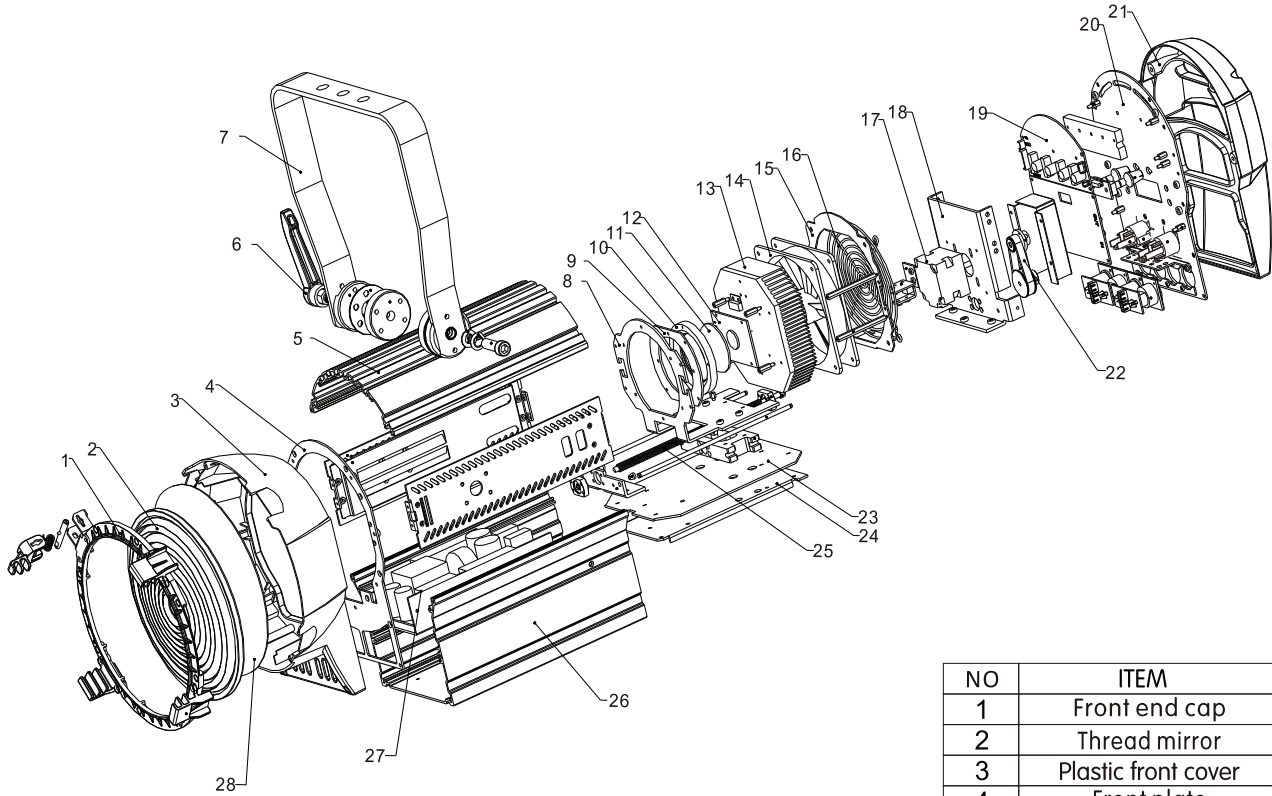| CHANNEL	VALUE	FUNCTION
1	0⟺255	DIMMER

DOS

CHANNEL	VALUE	FUNCTION
1	0⟺255	DIMMER
2	0⟺255	FINE DIMMER

STD.P

CHANNEL	VALUE	FUNCTION
1	0⟺255	DIMMER
2	0⟺255	FINE DIMMER
3	0⟺9	No strobe
	10⟺99	Strobe (slow to fast)
	100⟺109	No strobe
	110⟺179	Lightning strobe (slow to fast)
	180⟺189	No strobe
	190⟺255	Random strobe (slow to fast)
4	0⟺255	Focus
5	0⟺200	NO FUNCTION
	201⟺220	Motor reset
	221⟺255	NO FUNCTION

5 APPENDIX

5.1 PARTS DIAGRAM

NO	ITEM
1	Front end cap
2	Thread mirror
3	Plastic front cover
4	Front plate
5	Up pull aluminum
6	M10 hand shank
7	Hanging bracket
8	Heat-sink bracket
9	Lens head plate
10	Lens frame
11	Φ52 Collecting mirror
12	LED board
13	Heat dissipation pull aluminum
14	Fan
15	Fan frame
16	Fan grill
17	Stepping motor
18	Motor frame
19	Driver board
20	Back plate
21	Plastic back cover
22	Belt
23	Focus bracket
24	Focus bracket strengthen board
25	Screw thread drive shaft
26	Down pull aluminum
27	Power Supply
28	5 degree grinding slice