FREZNO zm-1 HD

USER MANUAL
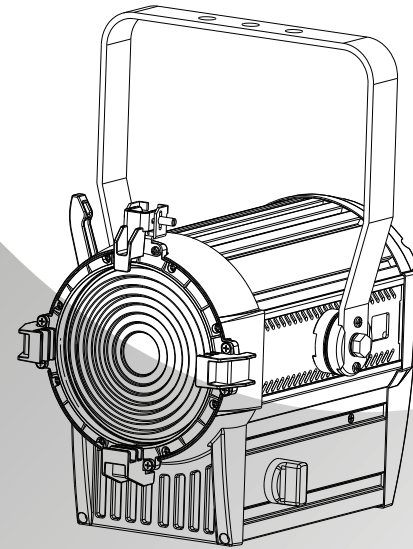
SILVER STAR
Professional Lighting

www.yajiang.cn

1 PRODUCT SPECIFICATIONS

1.1 PRODUCT SPECIFICATIONS

◆Voltage:AC100~240V，50/60Hz

◆Max Power:105W

◆ Size:324x282x266mm

◆ Weight:6.1kg

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.

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.
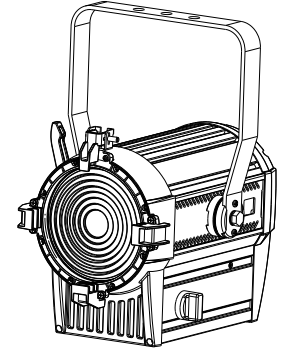
2.2 POWER CONNECTIONS

● 220~240V: 13 units may be connected in series

● 110~120V: 6 units may be connected in series
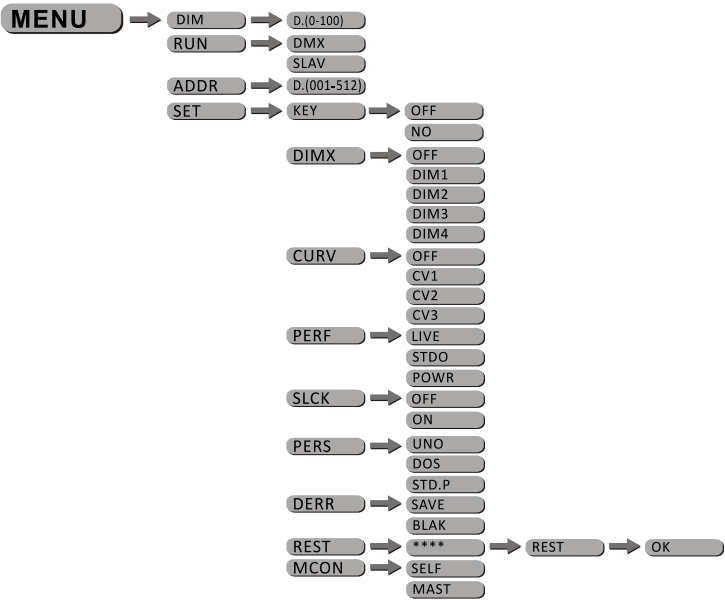
3 DISPLAY PANEL OPERATION

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.
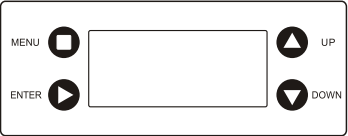
MENU ⬛
ENTER ▶
UP ▲
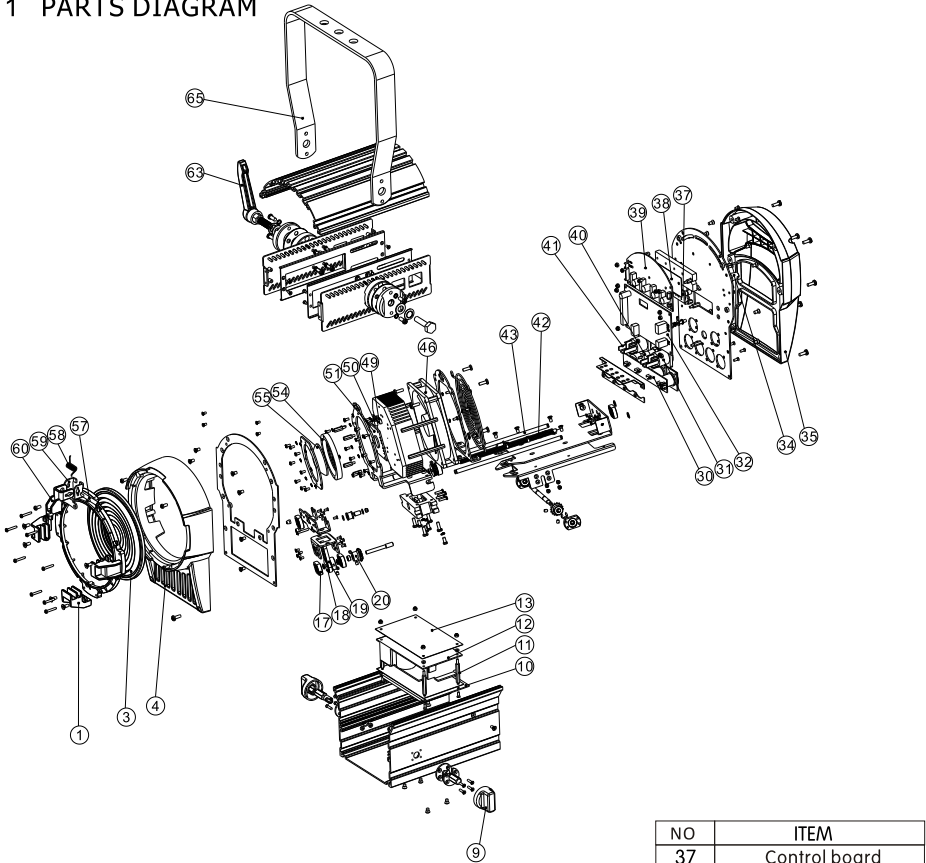DOWN ▼

3.2 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

3.3 MENU MAP

MENU → DIM → D.(0-100)
RUN → DMX
       SLAV
ADDR → D.(001-512)
SET → KEY → OFF
             NO
      DIMX → OFF
             DIM1
             DIM2
             DIM3
             DIM4
      CURV → OFF
             CV1
             CV2
             CV3
      PERF → LIVE
             STDO
             POWR
      SLCK → OFF
             ON
      PERS → UNO
             DOS
             STD.P
      DERR → SAVE
             BLAK
      REST → **** → REST → OK
      MCON → SELF
             MAST

5 APPENDIX

5.1 PARTS DIAGRAM

NO	ITEM
1	Shade leaf buckle
3	Φ150 Thread mirror
4	Front cover
9	Knob
12	Power Supply
13	PS isolation sheet
17	Bearing block
18	Pulley
19	Belt
20	Bevel gear
30	Adaptor PCB
31	PS socket (male)
32	Display PCB
34	Knob cap
35	Plastic back cover

NO	ITEM
37	Control board
38	Insulating heat conduction sheet
39	Driver board
40	Fuse holder
41	PS socket (male)
42	Screw thread drive shaft
43	Leader
46	Fan
49	Thermal switch
51	LED board
54	Lens frame
55	Φ52 Collecting mirror
57	Shade leaf buckle of spindle
58	Torsion spring
59	Shade leaf buckle mouting bracket
60	Buckle 1
63	M10 hand shank
65	Hanging bracket

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)

3.4 DIMMER (DIM)

MENU ➡ DIM ➡ D.(0-100)

●[DIM]...this menu allows the user to manually control the intensity of the fixture.
Use <UP> or <DOWN> keys to select required intensity.

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.
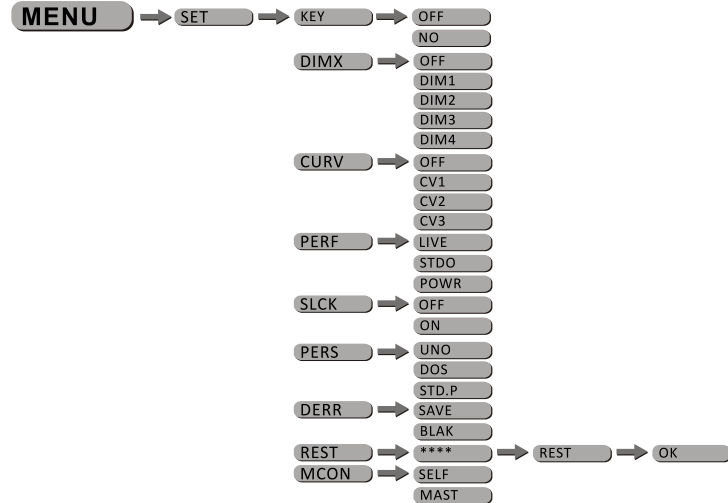
3.5 RUN MODE

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 SPECIAL SETTINGS

MENU ➝ SET ➝ KEY ➝ OFF
                              NO
                DIMX ➝ OFF
                              DIM1
                              DIM2
                              DIM3
                              DIM4
                CURV ➝ OFF
                              CV1
                              CV2
                              CV3
                PERF ➝ LIVE
                              STDO
                              POWR
                SLCK ➝ OFF
                              ON
                PERS ➝ UNO
                              DOS
                              STD.P
                DERR ➝ SAVE
                              BLAK
                REST ➝ **** ➝ REST ➝ OK
                MCON ➝ SELF
                              MAST

● [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.
● [PERF]...this setting allows the user to select the performance characteristics of the fixture.
● [LIVE] mode is the default mode which balances the requirements of output and noise.
  [STDO] mode maintains extremely low noise at all times and operates at a moderated
  power level. [POWR] mode operates at high power for long periods of time without making
  considerations for noise levels.
● [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.
● [PERS]...this setting allows the user to select the DMX personality of the fixture. Refer to
  DMX personality charts for specific details.
● [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.
● In order to reset custom modes to default values select [REST] .
● [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