



User Manual



**LED ZOOM PAR64 COB 200W RGBW IP
YD-1902A**

Table of contents

1. Safety instructions	3
1.1. FOR SAFE AND EFFICIENT OPERATION	3
2. Technical Information	4
3. Menu structure	4
4. DMX Table	9
4.1. DMX Mode 1 (1 Channel)	9
4.2. DMX Mode 2 (2 Channel)	9
4.3. DMX Mode 3 (3 Channel)	10
4.4. DMX Mode 4 (4 Channel)	10
4.5. DMX Mode 5 (5 Channel)	10
4.6. DMX Mode 6 (6 Channel)	11
4.7. DMX Mode 7 (7 Channel)	11
4.8. DMX Mode 8 (8 Channel)	12
4.9. DMX Mode 9 (16 Channel)	14

1. Safety instructions



This device is suitable for indoor use only.

All modifications to the device will void the warranty.

Repairs are to carry out by skilled personnel only.

Use only fuses of the same type and original parts as spare parts.

Protect the unit from rain and humidity to avoid fire and electric shocks.

Make sure to unplug the power supply before opening the housing.

1.1. FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature

Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature below 32°F /0°C, or exceeding 104°F /40°C.

Keep away from humidity, water and dust

Do not place the set in a location with high humidity or lots of dust.

Containers with water should not be placed on the set.

Keep away from sources of hum and noise

Such as transformer motor, tuner, TV set and amplifier.

To avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

If out of work, contact sales agency immediately

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

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. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

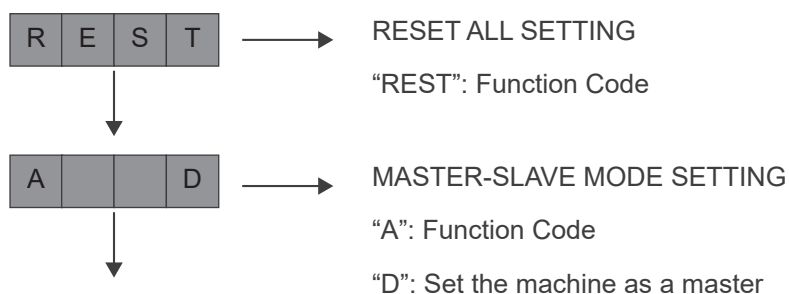
2. Technical Information

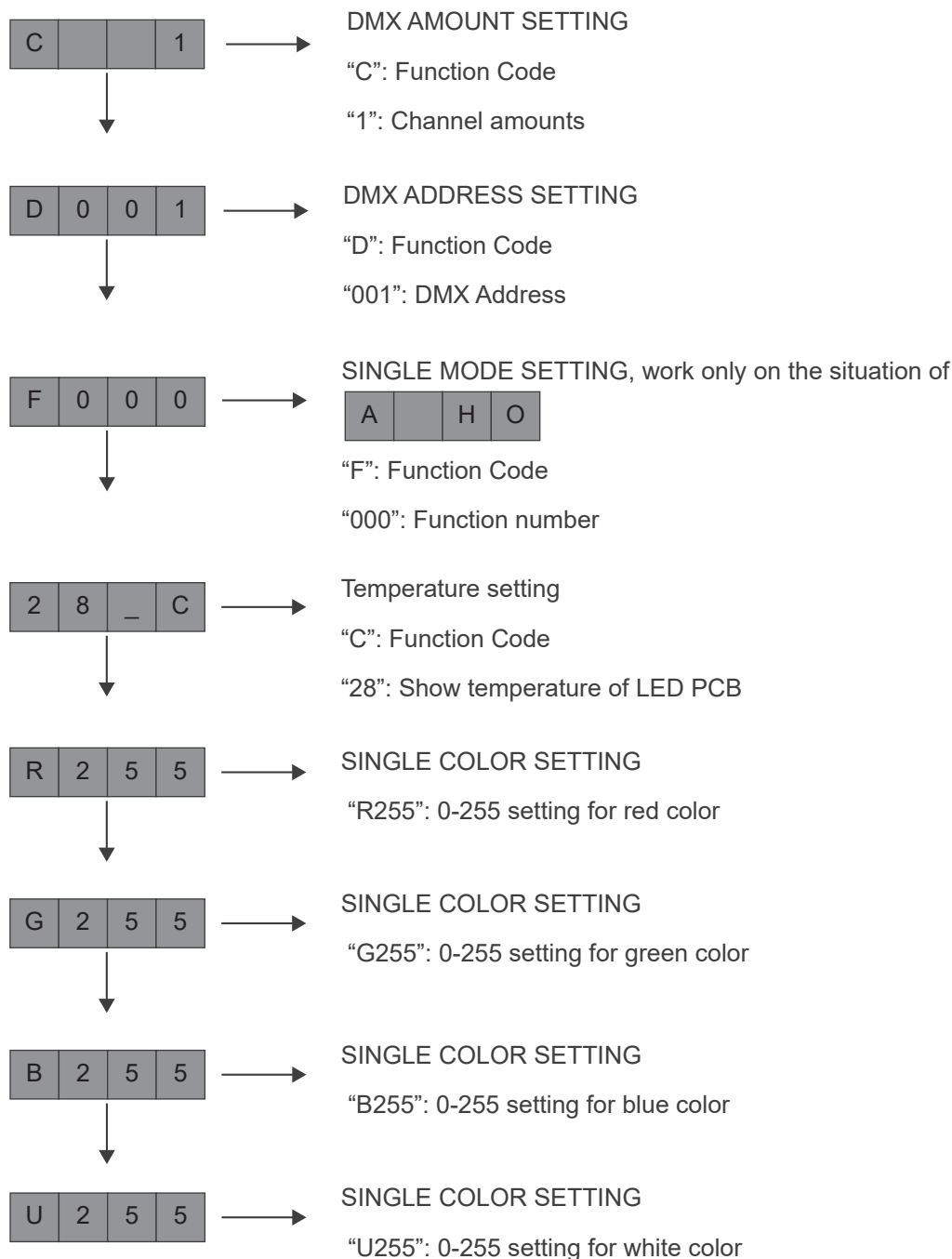
- DMX 512 control
- DMX Modes with 1, 2, 3, 4, 5, 6, 7, 8, 16 Channels
- Sound controlled via built-in microphone
- Adjustable sound sensitivity; Linear and curve lighting option
- Function: Color mix
 - Automatic color change
 - Built-in programs
 - Strobe effect with adjustable speed
 - Dimmer
 - Master/slave
- LED-display
- 3 Pin XLR in/out (IP65); Powercon in/out (IP65)
- 1 x 200W COB LEDs RGBW 4IN1
- Beam Angle: 20 ~ 45 degree, manual adjustable
- Power Max. 250W
- Power input AC 100-240V, 50/60Hz
- Weight: 4.8kgs (L*W*H = 480 x 305 x 275mm)

3. Menu structure

Master-Slave mode as “A SL” or “A HO”, all of the settings are controlled by four buttons: “MODE, Up, Down and Enter”.

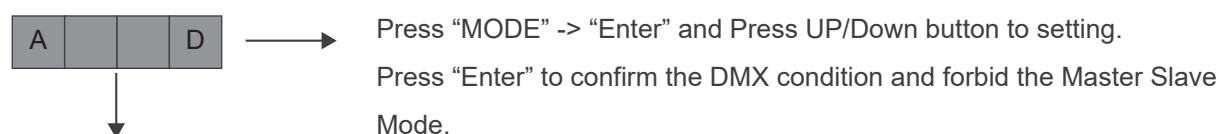
Press “MODE” to switch functions (10 functions can be selected):

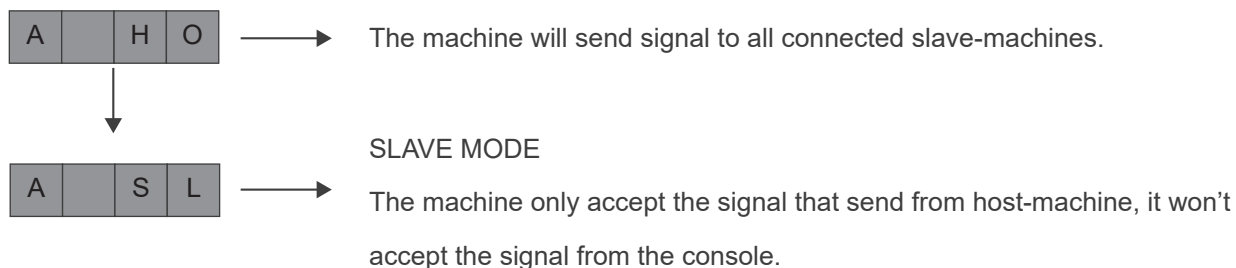




Press the "MODE" then press the "ENTER" to begin your setting. Press "UP" and "DOWN" to switch the modes with the shining Function Code. Be sure to press the "ENTER" button to save your changing, it won't be saved if the button has not been pressed. Moreover, the saving data still exists even after power off and then on.

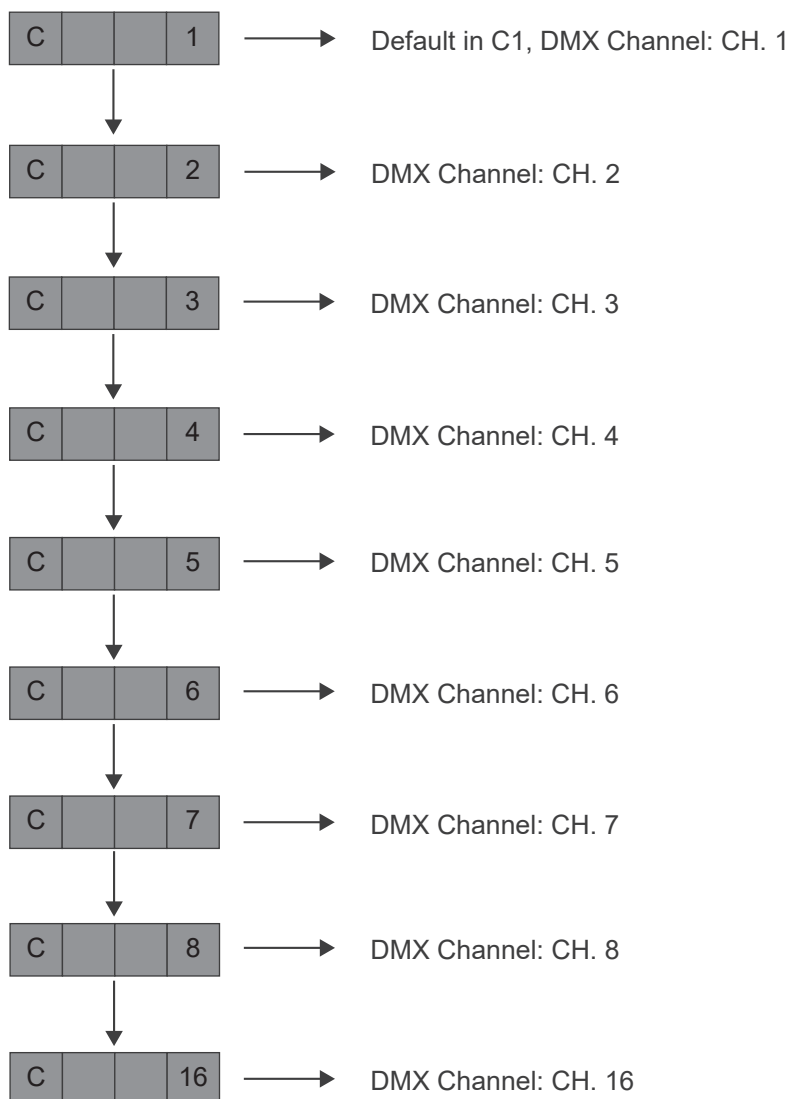
MASTER SLAVE MODE SETTING





WHILE IN MASTER-SLAVE MODE, ONLY ONE HOST MACHINE CAN BE EXISTED, IF NOT, IT MAY CAUSE SIGNAL CONFLICTS.

DMX CHANNEL SETTING



DMX ADDRESS SETTING

D	0	0	1
---	---	---	---

Default in D001, DMX Address from "D001-D512", Press "ENTER" to save the setting.

SINGLE MODE SETTING:

F	0	0	0
---	---	---	---

Press "MODE" to begin your setting, and press "ENTER" to select the mode. Select the UP/DOWN from F010~F121, press "ENTER" to save your setting. Original setting "F000", the light goes off.

F	0	1	0
---	---	---	---

SINGLE COLOR MODE, F010~F019, 10 colors, F010: full darkness, F011: Red, F012: Orange, F013: Yellow, F014: Green, F015: Blue, F016: Indigo, F017: Purple, F018: Pink, F019: full brightness

F	0	2	0
---	---	---	---

FADE IN/OUT: 8 colors changing, Adjust the speed from F020(slow)~F029(fast). (8 colors are from F011 to F018)

F	0	3	0
---	---	---	---

FADE IN/OUT: 9 colors + dark changing, the color from brightness to dark, Adjust the speed from F030(slow)~F039(fast). (9 colors are from F011 to F019)

F	0	4	0
---	---	---	---

SINGLE COLOR WITH STROBE for many times: Adjust the changing color speed from F040(slow)~F049(fast). (8 colors are from F011 to F018)

F	0	5	0
---	---	---	---

COLOR AUTOMATIC CHANGE: 9 colors changing, Adjust the changing color speed from F050(slow)~F059(fast). (9 colors are from F011 to F019)

F	0	6	0
---	---	---	---

COLOR JUMP WITH STROBE: when jumping, change to another color. Adjust the color changing speed from F060(slow)~F069(fast). (9 colors are from F011 to F019)

F	0	7	0
---	---	---	---

Mixed WHITE STROBE: Adjust the speed from F070(slow)~F079(fast)

F	0	8	0
---	---	---	---

SOUND ACTIVE MODE: Color jump, keep last color with mute. (9 colors are from F011 to F019)

F	0	9	0
---	---	---	---

SOUND ACTIVE MODE: Color jump, change to F020 in 10 seconds mute, adjust the speed from F090(slow)~F099(fast). (9 colors are from F011 to F019)

F 1 0 0



SOUND ACTIVE MODE: Color jump and Strobe. Adjust the strobe speed from F100(slow)~F109(fast). Shut down the light in 5 seconds mute.
(9 colors are from F011 to F019)



F 1 1 0



FADE IN/OUT and STROBE: Adjust the speed of fade in/out by F020 and the strobe speed from F110(slow)~F119(fast).
(8 colors are from F011 to F018)



F 1 2 0



RGBW mixed white color



F 1 2 1



WHITE color

TEMPERATURE CONTROL

2 8 _ C



Show the temperature of LED PCB.

SINGLE COLOR SETTING

R 2 5 5



SINGLE RED SETTING
"R255": 0-255 setting for red color



G 2 5 5



SINGLE GREEN SETTING
"G255": 0-255 setting for green color



B 2 5 5



SINGLE BLUE SETTING
"B255": 0-255 setting for blue color



U 2 5 5



SINGLE WHITE SETTING
"U255": 0-255 setting for white color

RESET TO DEFAULT

R E S T → RESET TO DEFAULT: Press “ENTER” to reset all setting.

Default as following:

R E S T → A _ _ D → C _ _ 1 →
D 0 0 1 → F 0 0 0 → 2 8 _ C →
R 2 5 5 → G 2 5 5 → B 2 5 5 →
U 2 5 5

MASTER-SLAVE MODE:

Controlled by DMX512 console. The machine accepts DMX512 signals and DMX dimming signals.

4. DMX Table

4.1. DMX Mode 1 (1 Channel)

DMX Channel	DMX Value	Function
1. R, G, B, W Dimming	1~255	Adjust LEDs dimmer low to high

4.2. DMX Mode 2 (2 Channel)

DMX Channel	DMX Value	Function
1. R, G, B, W Dimming	1~255	Adjust LEDs dimmer low to high
2. STROBE	1~255	STROBE speed low to high

4.3. DMX Mode 3 (3 Channel)

DMX Channel	DMX Value	Function
1. R, G, B, W Dimming	1~255	Adjust LEDs dimmer low to high
2. STROBE	1~255	STROBE speed low to high
3. Linear and curve lighting option	0~9	Linear
	10~255	6 selectable dimming curves 10~49 1s; 50~99 2s; 100~149 3s; 150~199 4s; 200~249 5s; 250~255 6s

4.4. DMX Mode 4 (4 Channel)

DMX Channel	DMX Value	Function
1. Red Dimming	1~255	Adjust red LEDs dimmer low to high
2. Green Dimming	1~255	Adjust green LEDs dimmer low to high
3. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
4. White Dimming	1~255	Adjust white LEDs dimmer low to high

4.5. DMX Mode 5 (5 Channel)

DMX Channel	DMX Value	Function
1. R, G, B, W Dimming	1~255	Turn on the light and R, G, B, W Dimming and color is controlled by CH2, 3, 4, 5
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high

4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. White Dimming	1~255	Adjust white LEDs dimmer low to high

4.6. DMX Mode 6 (6 Channel)

DMX Channel	DMX Value	Function
1. R, G, B, W Dimming	1~255	Turn on the light and R, G, B, W Dimming and color is controlled by CH2, 3, 4, 5
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. White Dimming	1~255	Adjust white LEDs dimmer low to high
6. STROBE	1~255	STROBE speed low to high

4.7. DMX Mode 7 (7 Channel)

DMX Channel	DMX Value	Function
1. R, G, B, W Dimming	1~255	Turn on the light and R, G, B, W Dimming and color is controlled by CH2, 3, 4, 5
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. White Dimming	1~255	Adjust white LEDs dimmer low to high
6. STROBE	1~255	STROBE speed low to high

7. Linear and curve lighting option	0~9	Linear
	10~255	6 selectable dimming curves 10~49 1s; 50~99 2s; 100~149 3s; 150~199 4s; 200~249 5s; 250~255 6s

4.8. DMX Mode 8 (8 Channel)

DMX Channel	DMX Value	Function
1. R, G, B, W Dimming	1~255	Turn on the light and R, G, B, W Dimming and color is controlled by CH2, 3, 4, 5
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. White Dimming	1~255	Adjust white LEDs dimmer low to high
6. STROBE	1~255	Adjust strobe low to high (the color is controlled by CH2-CH5).
7. Linear and curve lighting option	0~9	Linear
	10~255	6 selectable dimming curves 10~49 1s; 50~99 2s; 100~149 3s; 150~199 4s; 200~249 5s; 250~255 6s
8. Default Functions	0~70	CH1-CH6
	71~80	FADE IN/OUT: 9 colors changing, Speed is adjusted by CH.6 (8 colors from F011 to F018)
	81~100	FADE IN/OUT: 9 colors changing, the color from brightness to dark, Speed is adjusted by CH.6 (9 colors from F011 to F019)

8. Default Functions	101~120	FADE IN/OUT WITH STROBE: 9 colors changing, Speed is adjusted by CH.6 (8 colors from F011 to F018)
	121~140	COLOR CHANGE: 9 colors changing, Speed is adjusted by CH.6, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	141~160	COLOR JUMP MODE: 9 colors change through different colors each time, Speed is adjusted by CH.6, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	161~180	WHITE STROBE, Speed is adjusted by CH.6, Brightness is adjusted by CH.1
	181~200	SOUND ACTIVE MODE: Color jump, keep last color with mute, Speed is adjusted by CH.6, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	201~220	SOUND ACTIVE MODE: Color jump, FADE IN/OUT in 10 seconds mute, Speed is adjusted by CH.6 (9 colors from F011 to F019)
	221~240	SOUND ACTIVE MODE: Color jump and Strobe, shut down the light in 5 second mute, Speed is adjusted by CH.6, Brightness is adjusted by CH.1 (9 colors from F011 to F019)
	241~255	FADE IN/OUT AND STROBE, Strobe speed is adjusted by CH.6

4.9. DMX Mode 9 (16 Channel)

DMX Channel	DMX Value	Function
1. R, G, B, W Dimming	1~255	Turn on the light and R, G, B, W Dimming and color is controlled by CH2, 3, 4, 5
2. Red Dimming	1~255	Adjust red LEDs dimmer low to high
3. Green Dimming	1~255	Adjust green LEDs dimmer low to high
4. Blue Dimming	1~255	Adjust blue LEDs dimmer low to high
5. White Dimming	1~255	Adjust white LEDs dimmer low to high
6. STROBE	1~255	Adjust strobe low to high (the color is controlled by CH2-CH5).
7. Linear and curve lighting option	0~9	Linear
	10~255	6 selectable dimming curves 10~49 1s; 50~99 2s; 100~149 3s; 150~199 4s; 200~249 5s; 250~255 6s
8. FADE IN/OUT	1~255	8 colors changing, Speed is adjusted by CH.8 (8 colors from F011 to F018, without white color)
9. Auto Strobe & Color Change	1~255	COLOR JUMP MODE: 9 colors change through different colors each time, Speed is adjusted by CH.9, Brightness is adjusted by CH.1
10. Auto Color Change	1~255	COLOR CHANGE: 9 colors changing, Speed is adjusted by CH.10, Brightness is adjusted by CH.1
11. Sound Active & Color Change & Fade in/out	1~255	SOUND ACTIVE MODE: Color jump, FADE IN/OUT in 10 seconds mute, Speed is adjusted by CH.11

12. Sound Active & Color Change	1~255	SOUND ACTIVE MODE: Color jump, keep last color with mute, 9 colors change, Brightness is adjusted by CH.1
13. Sound Active & Strobe & Color Change	1~255	SOUND ACTIVE MODE: Color jump and Strobe, shut down the light in 5 second mute, Speed is adjusted by CH.13, 9 colors change, Brightness is adjusted by CH.1
14. FADE IN/OUT & STROBE (strobe speed adjustable)	1~255	STROBE speed is adjusted by CH.14
15. FADE IN/OUT & STROBE (Fade in/out speed adjustable)	1~255	FADE IN/OUT speed is adjusted by CH.15
16. MIXED WHITE STROBE	1~255	RGBW mixed white strobe, speed is adjusted by CH.16, Brightness is adjusted by CH.1

