PartyBar FX

CKU-3030

USER MANUAL

Introduction

Thank you for purchasing the ColorKey PartyBar FX. Please read these instructions carefully before use. Operating this fixture according to these instructions is important to avoid any possible damage or accidents caused by misuse.

➢ Packing list

- ■ 1x PartyBar FX
- ■ 1x IR Remote
- ■ 1x 6' Lighting Stand
- ■ 1x Carrying Bag
- ■ 1x Power Cord
- ■ User Manual

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.

CAUTION! **KEEP THIS EQUIPMENT AWAY FROM RAIN, MOISTURE AND LIQUIDS**	**CAUTION!** TAKE CARE USING THIS EQUIPMENT! **HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!**

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- This unit is not intended for fixed installation.

- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those descri the warranty becomes void. Incorrect operation may lead to dang

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

Correct Disposal of this Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.
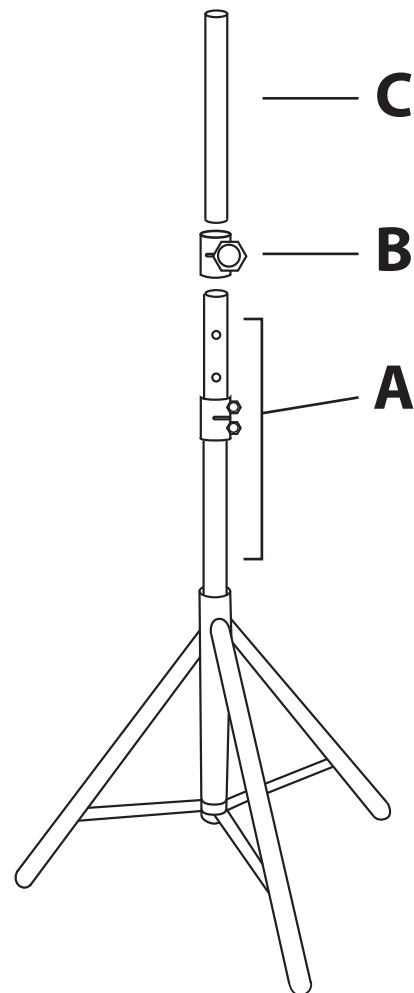
PARTYBAR SETUP INSTRUCTIONS

The PartyBar tripod stand includes a removable extension pole, which has the advantage of shrinking the footprint of the stand when disassembled, for ease of transportation. With the extension pole installed, the stand can lift your fixtures over 7ft in the air.

To use the extension pole, simply press the connection collar (**B**) to the top of the tripod (**A**), then insert the extension (**C**) into the collar. Push down until both poles are fully inserted into the collar and tighten the knob.
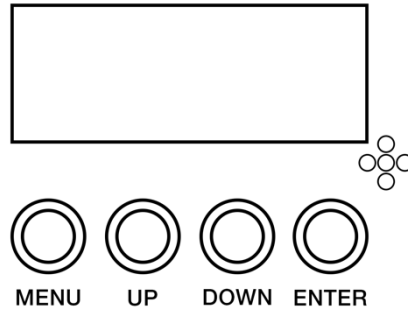
C

B

A

Max Weight Capacity

10 lbs

WARNING! In order to avoid accidents, it is highly recommended to **weigh down the base of the tripod using counterweights or sandbags while the stand is set to maximum height**. Failure to do so may result in the stand being tipped over accidentally, causing damage and bodily injury.

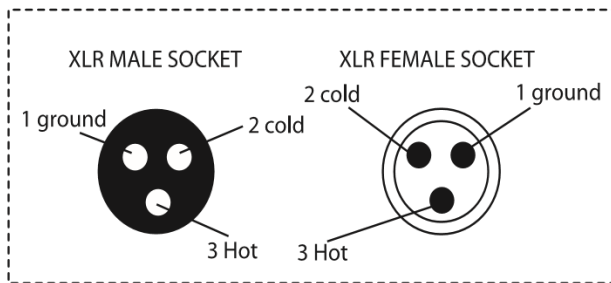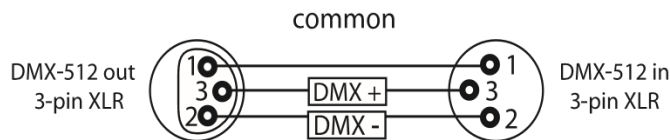# Display Operation

- ➢ MENU: Access the menu/Scroll through menu options

- ➢ UP: Scroll through menu selections or increase parameters

- ➢ DOWN: Scroll through menu selections or decrease parameters

- ➢ ENTER: Open/Select the current menu option

DMX Settings & Connections

Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.

common

DMX-512 out
3-pin XLR

DMX +
DMX -

DMX-512 in
3-pin XLR

XLR MALE SOCKET

XLR FEMALE SOCKET

1 ground
2 cold

2 cold
1 ground

3 Hot   3 Hot

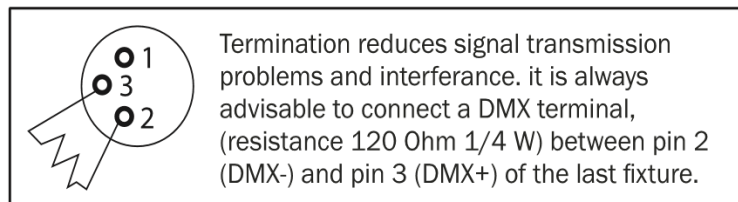| XLR Pin Configuration |
| --- |
| Pin 1 = Ground |
| Pin 2 = Negative |
| Pin 3 = Postive |

Special note:

Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.
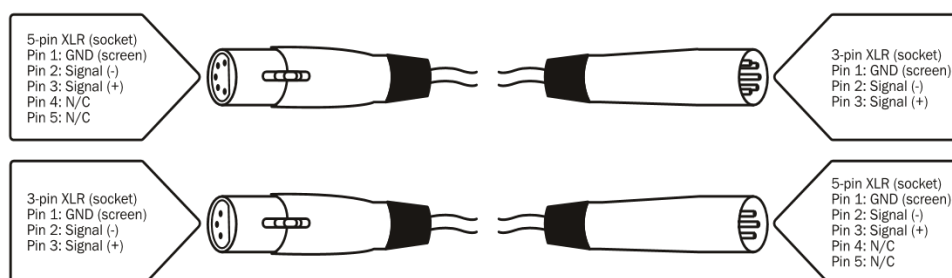
Using a cable terminator will decrease the possibilities of erratic behaviour.

(3-pin - Order ref: CABL9O, 5-pin - Order ref: CABL89)

Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

5-pin XLR DMX connectors:

Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.

5-pin XLR (socket)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

3-pin XLR (socket)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

3-pin XLR (socket)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

5-pin XLR (socket)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a "start address" from 1- 512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100,101,102,103,104,105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions form the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a data "out" terminal).
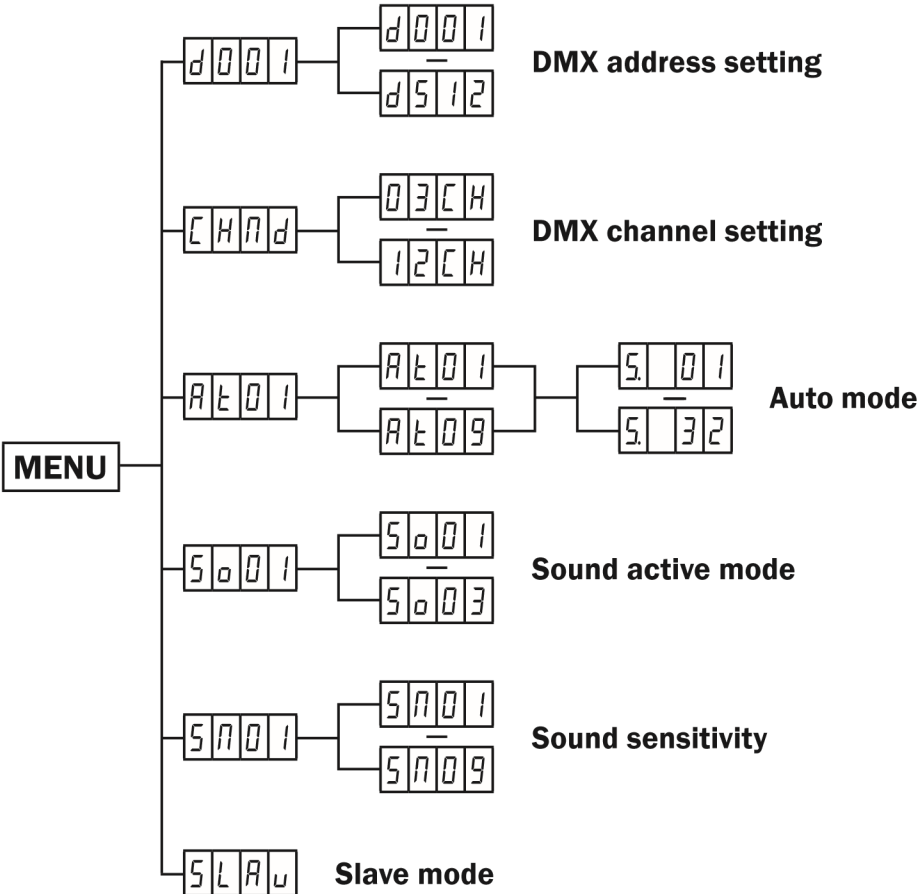
DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output, see image below.

Menu Guide

```
                    ┌─ d001
          ┌─ d001 ─┤          DMX address setting
          │         └─ d512
          │
          │         ┌─ 03CH
          ├─ CHNd ─┤          DMX channel setting
          │         └─ 12CH
          │                          ┌─ 5. 01
          │         ┌─ At01 ─────────┤          Auto mode
 MENU ────┤         │                 └─ 5. 32
          ├─ At01 ─┤
          │         └─ At09
          │
          │         ┌─ 5o01
          ├─ 5o01 ─┤          Sound active mode
          │         └─ 5o03
          │
          │         ┌─ 5N01
          ├─ 5N01 ─┤          Sound sensitivity
          │         └─ 5N09
          │
          └─ 5LAu             Slave mode
```

DMX Values

DMX mode:

Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

To access the DMX address mode, press the **"MENU"** button and use the **"UP"** and **"DOWN"** buttons to show d001 on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the required DMX address. Press the **"ENTER"** button to confirm the setting.

To exit out of any of the above options, press the **"MENU"** button.

DMX channel mode:

To access the DMX channel mode, press the **"MENU"** button and use the **"UP"** and **"DOWN"** buttons to show CHNd on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose one of the 3 or 12 DMX channel modes. Press the **"ENTER"** button to confirm the setting.   To exit out of any of the above options, press the **"MENU"** button.

3 Channels Mode

Channel	Value	Function
CH1	000-009	Blackout
	010-039	AT01 - Par + Derby + Laser + Strobe + UV
	040-069	AT02 - Par colour change
	070-099	AT03 - Par + Derby + Laser
	100-129	AT04 - Par + Derby + Laser + Strobe
	130-159	AT05 - Par + Derby + Laser + UV
	160-189	AT06 - Par + Derby + Strobe + UV
	190-219	AT07 - Par + Laser + Strobe + UV
	220-249	AT08 - Derby + Laser + Strobe + UV
	250-255	AT09 - Strobe
CH2	000-009	Blackout
	010-089	So01 - Par + Derby + Laser + Strobe + UV
	090-169	So02 - Par + Derby + Laser + Strobe
	170-255	So03 - Derby + Laser + Strobe + UV
CH3	000-255	Speed/sensitivity adjustment (slow-fast/low-high)

12 channels mode

Channel	Value	Function	
CH1	000-255	Red (0-100%)	Derby
CH2	000-255	Green (0-100%)	
CH3	000-255	Blue (0-100%)	
CH4	000-255	White (0-100%)	
CH5	000-255	Motor	
CH6	000-255	Red (0-100%)	Pars 1 & 2
CH7	000-255	Green (0-100%)	
CH8	000-255	Blue (0-100%)	
CH9	000-255	White (0-100%)	
CH10	000-063	Off	Laser
	064-127	Red	
	128-197	Green	
	198-255	Red + Green	
CH11	000-255	UV	
CH12	000-009	Blackout	
	010-255	Strobe	

Operating Instructions

Auto mode:

To access the auto modes, press the **"MENU"** button and use the **"UP"** and **"DOWN"** buttons to show   **At01** on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose between **At01 ~ At09**. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to select the speed between **S. 01 ~ S. 32**. Press the **"ENTER"** button to confirm the setting.

To exit out of any of the above options, press the **"MENU"** button.

AT01	Par + derby + laser + strobe + UV
AT02	Par colour change
AT03	Par + derby + laser
AT04	Par + derby + laser + strobe
AT05	Par + derby + laser + UV
AT06	Par + derby + strobe + UV
AT07	Par + laser + strobe + UV
AT08	Derby + laser + strobe + UV
AT09	Strobe

Sound active mode:

To access the sound active modes, press the **"MENU"** button and use the **"UP"** and **"DOWN"** buttons to show **So01** on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose between **So01 ~ So03**. Press the **"ENTER"** button to confirm the setting. To exit out of any of the above options, press the **"MENU"** button.

Sound sensitivity:

To adjust the sound sensitivity, press the **"MENU"** button and use the **"UP"** and **"DOWN"** buttons to show **SN01** on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose between **SN01 ~ SN09**. Press the **"ENTER"** button to confirm the setting.

Value: 01 - 09 (01 = low, 09 = high)

To exit out of any of the above options, press the "MENU" button.

Master/Slave Mode Operation

Master/slave mode:

To set the master unit select your desired program (auto or sound).

To set the other units in slave mode, press the **"MENU"** button to show   **SLAu** on the LED display.

Press the **"ENTER"** button to confirm the setting. The unit will now run in sequence with the master unit.
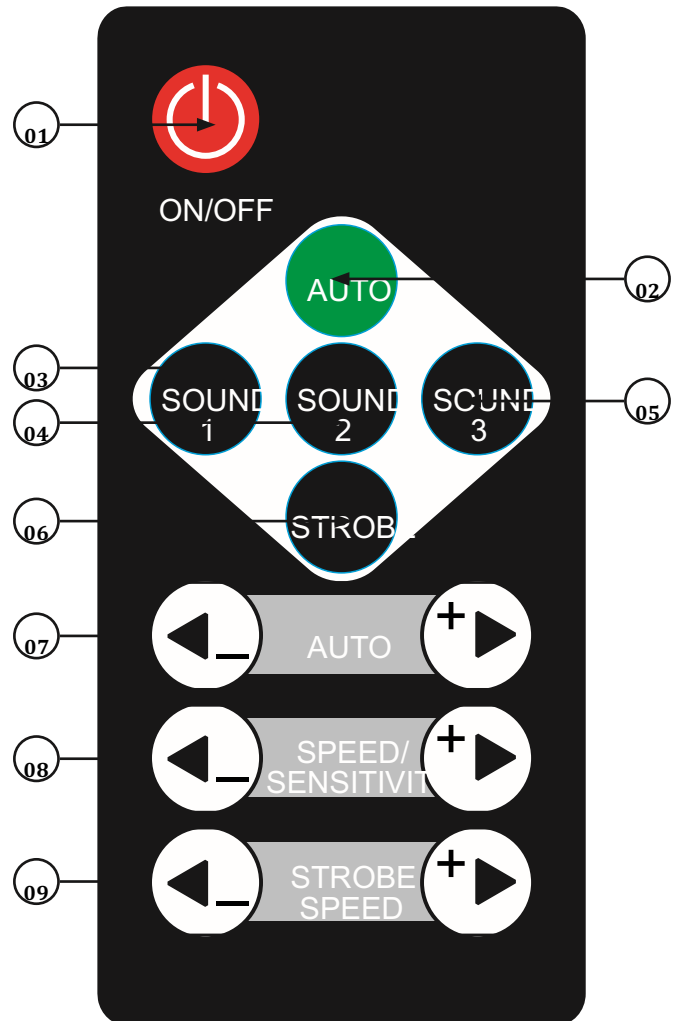
To exit out of any of the above options, press the **"MENU"** button.

Please ensure that all slave units are set to the same DMX channel mode as the master unit.

IR Remote Functions

Button functions:

01 - Sets the unit into blackout on or off

02 - Runs the Auto modes - Use the Auto '+' and
'-' buttons to change the desired program

03 - Runs the Sound 1 mode

04 - Runs the Sound 2 mode

05 - Runs the Sound 3 mode

06 - Runs the Strobe mode

07 - Sets the auto program - Use the '+' and '-'
buttons to change the desired program

08 - Sets the run speed/sensitivity - Use the '+' and
'-' buttons to change the desired speed (auto
mode)/ sensitivity (sound mode)

09 - Sets the strobe mode run speed - Use the '+'
and '-' buttons to change the desired speed

Troubleshooting

Problem	Solutions
No DMX control	◆ Make sure that the DMX cable is properly connected ◆ Make sure that the DMX controller is operational ◆ Check the DMX cable for tears or breaks ◆ Make sure that the fixture is in DMX mode
Fixture does not respond to sound	◆ Make sure that the fixture is in Sound Active mode.

Technical Information

Power supply: AC100-240V;50-60Hz

Light source: (2) 3x3W LED RGB Pars, (1) 4x3W RGBW LED Derby style FX Light,

(1) Red/Green Laser, and (1) UV+Strobe Combo

Power consumption: 110W

Control: IR Remote, DMX512 control, Auto Run, Master /Slave, Sound Active

Channel: 3/12 channels

Working temperature: up to 40°C

IP rate: IP20

Lamp rated life: >50000 Hours

Beam angle: 40 degree

Dimming: 0-100%

Product size: 200 x 750 x 165   mm

Net Weight: 5.7 kgs

Notice to consumer: ColorKey offers a 2-year limited warranty. Please visit our website at www.ColorKeyLED.com to register your product.

Please note: As we continue to work towards improving our products and your experience as a user, we recommend that you check our website periodically for updates to user manuals and specifications at www.ColorKeyLED.com or you may contact us directly at info@colorkeyled.com.