elumen8

Cygnus
QR Mini DMX Recorder
User Manual

Order codes: ELUM258

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 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 9-24V DC.
- 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.
- 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 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.
- WARRANTY: One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

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

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

Cygnus QR

The Elumen8 Cygnus Series is a comprehensive range of advanced data-management solutions engineered to meet the demands of modern lighting networks. Designed with professional users in mind, the series includes DMX splitters, DMX mergers, Art-Net nodes, and sleek wall-plate interfaces, each crafted to simplify complex system layouts while maximising control efficiency. Whether you're expanding a theatre's infrastructure, integrating robust data routing for live production, or building a permanent architectural installation, Cygnus delivers.

The QR is a compact DMX recorder and playback unit that can trigger shows stored on the included micro SD card. Shows can be triggered via 6 external triggers (when used with the WP3 Playback Wall Plate) or via 12 DMX triggers. Each trigger can start a show or scene with up to 24 hours of storage from the included SD card.
Each show can be played once or on a loop.

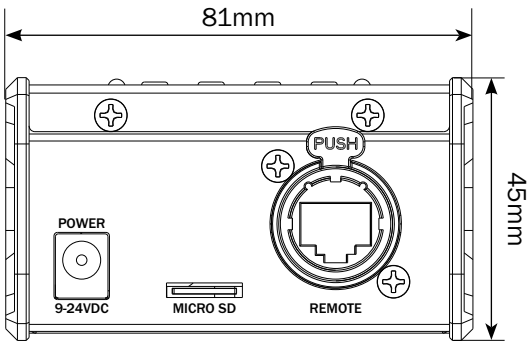
The idle playback mode allows 3 different options; Scene mode – allowing a static scene between active shows (when no file is selected it defaults to blackout) Show mode – allowing a selected show to be looped, perfect for background effects or ongoing entertainment when there are no triggered events Passthrough mode – allowing a DMX signal received from another source to be passed through to a connected lighting setup via the DMX input and output.

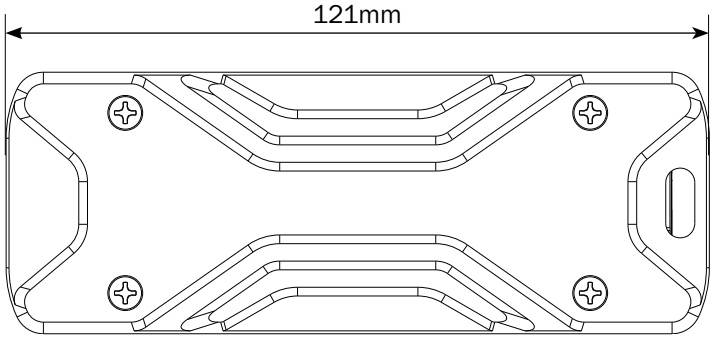
The remote input allows full bidirectional communication with the WP3 Playback Wall Plate via a CAT5 cable. The Cygnus QR is the ideal solution for triggering shows or scenes in theme parks, shops or museums.

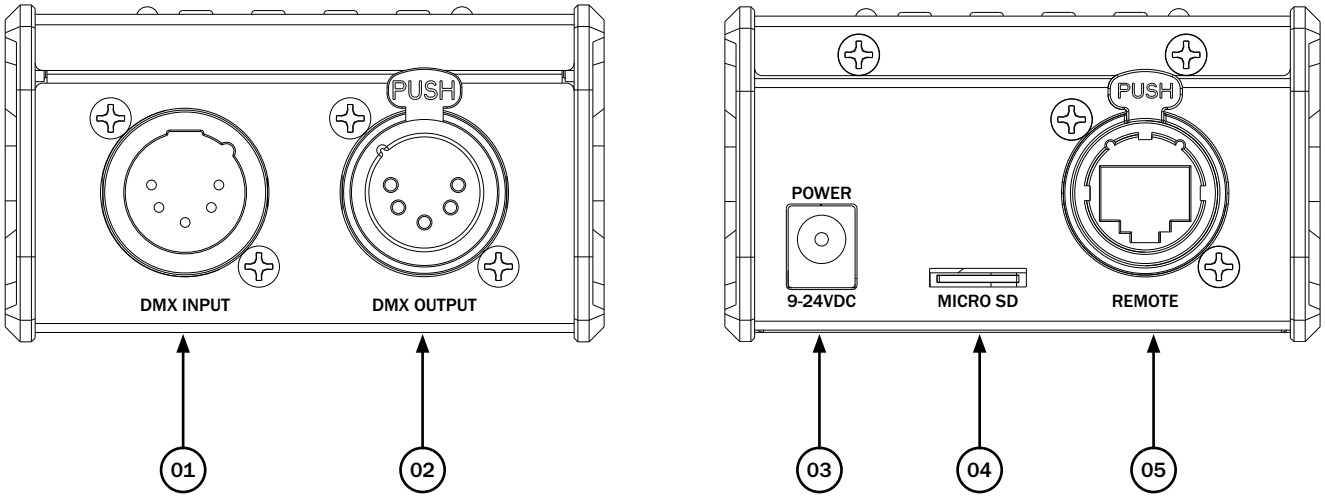
Housed within a rugged chassis the QR is ideally suited to professional applications, ensuring your show data arrives exactly where it needs to, every time.

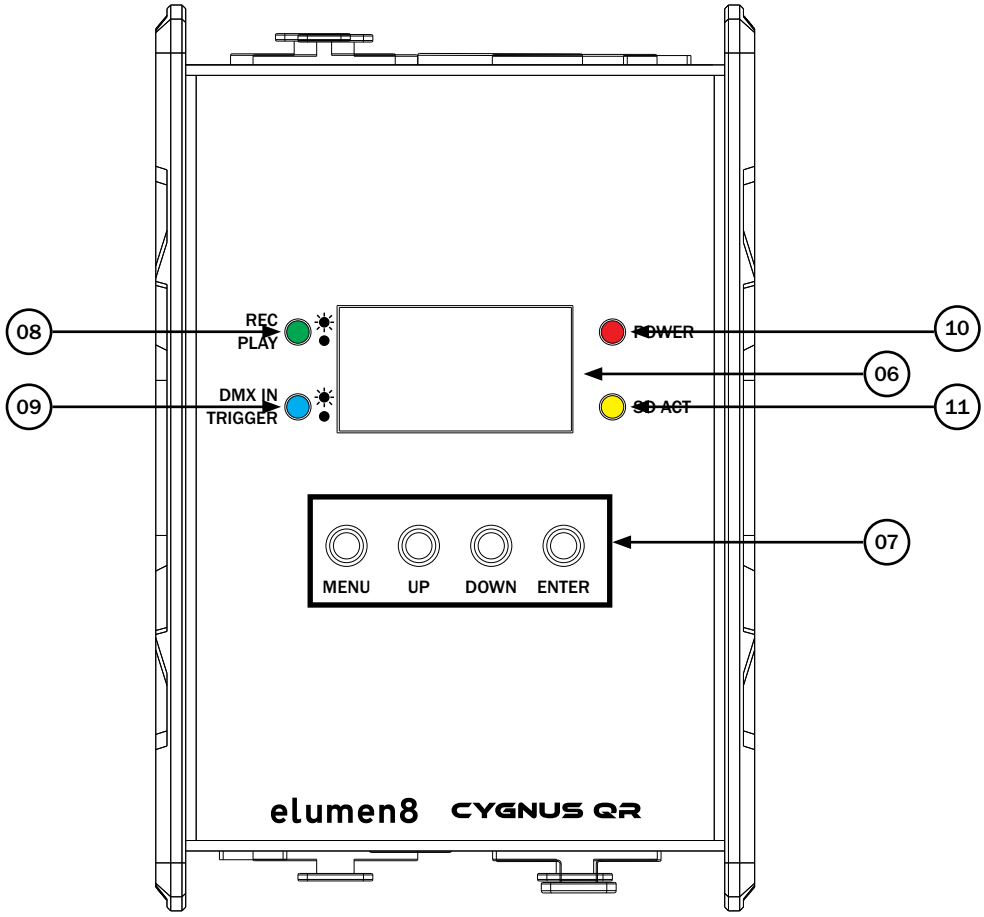
- 1 x Seetronic 5-Pin DMX input
- 1 x Seetronic 5-Pin DMX output
- 1 x remote input (for use with WP3 Wall Plate)
- Power, record/play, DMX in/trigger and SD activity LEDs
- RDM (Remote Device Management)
- 1.4" OLED display with rotary control
- Powder coated, aluminium chassis
- 9-24V DC power input
- microSD card input (32GB micro SD card included)
- Convection cooled

Specifications	Cygnus QR
Power supply	9-24VDC
Dimensions (H x W x D)	45 x 81 x 121mm
Weight	0.4kg
Order code	ELUM258









01 - 5-Pin Seetronic input
02 - 5-Pin Seetronic output
03 - 9-24V DC power input
04 - microSD card slot
05 - Remote input
06 - 1.4” OLED display
07 - Function buttons
08 - Rec/Play indicator
09 - DMX in/trigger indicator
10 - Power indicator
11 - microSD card indicator

In the box:
1 x Cygnus QR,
1 x 12V 1A power adaptor & 1 x 32GB microSD card

LED indicators:

The Cygnus QR is fitted with 4 LED indicators, their functions are detailed below.

POWER – The power indicator located on the right of the front panel, this will illuminate red to indicate the unit is receiving power.

SD ACTIVITY – The SD indicator located on the right of the front panel, will illuminate yellow to indicate the device is using the inserted microSD card to load/save data.

REC/PLAY – The indicator located on the left of the front panel, will:

- flash green to indicate the device is recording a program
- illuminate green to indicate the device is playing a program

DMX IN/TRIGGER – The indicator located on the left of the front panel, will:

- flash blue to indicate the device is receiving a DMX signal
- flash blue once to indicate a trigger has been activated.

Setup:

Connect a DMX signal cable from a lighting controller into the DMX input on the Cygnus QR via the 5-Pin input on the rear panel. The maximum recommended cable length is 100m.

Before you power the device, insert the included microSD card into microSD card slot (04).

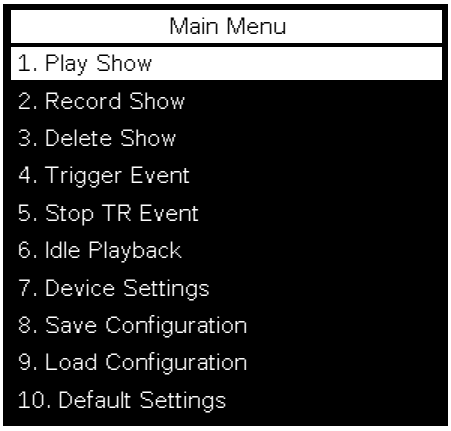
Operation:

On startup the OLED display will show '**Mini DMX Recorder**', which means the unit is ready for use.

Press the "**MENU**" button once will take the user to the fixtures main menu. Using the "**UP**" and "**DOWN**" buttons you can then navigate between the different options in the main menu. Pressing the "**ENTER**" button on one of these options allows you to access the sub menu where you can use the "**UP**" and "**DOWN**" buttons to select option/value required. Once the option/value has been selected press the "**ENTER**" button once more to confirm the setting.

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

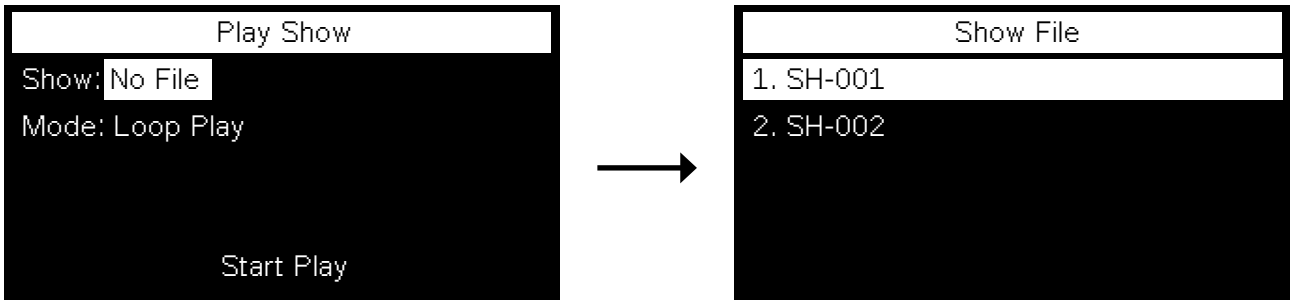
Press and hold the "**MENU**" button for 2 seconds to return to the start screen (from any place in the menu). If the display is off, press any button to turn the display on.



1. Play Show:

To access the **PLAY SHOW** setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **PLAY SHOW** is highlighted on the display. Press the "**ENTER**" button, **SHOW** will be highlighted. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select a recorded program. You can only play one program at a time. Press the "**ENTER**" button to confirm the setting.

Note: You need to program at least one program in order to be able to play it (see page 10).

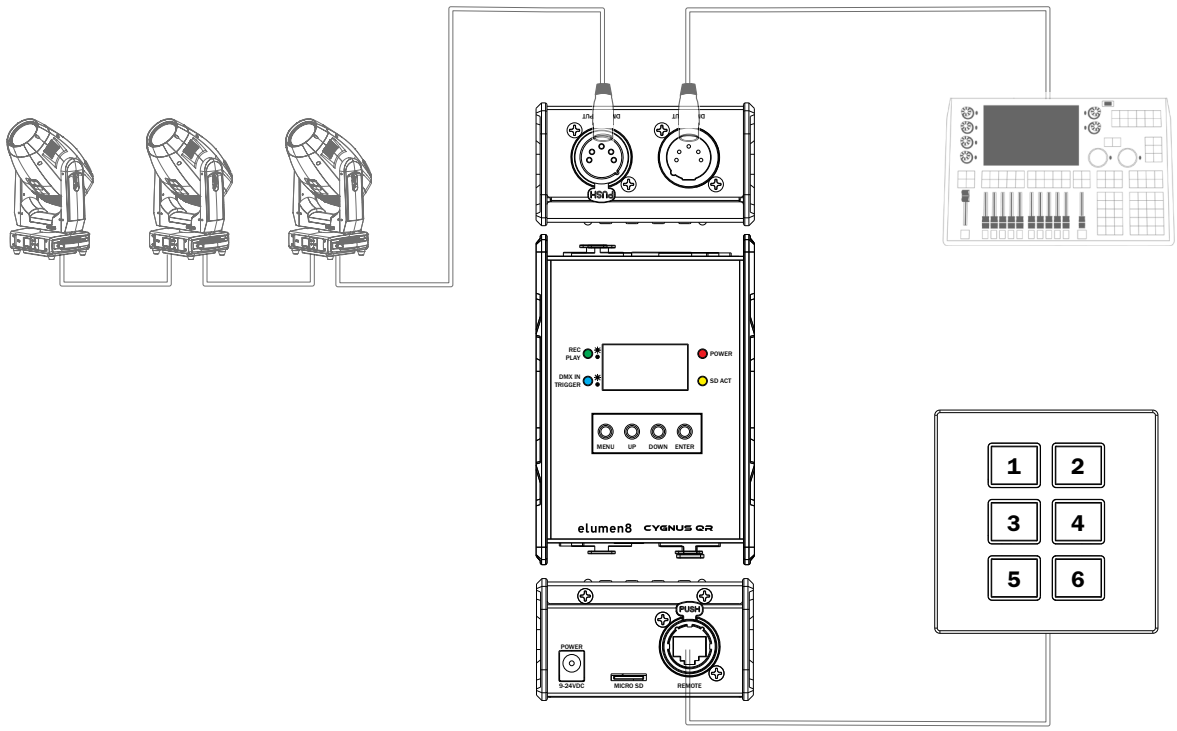


To select the **PLAYBACK MODE** setting, press the "**UP**" and "**DOWN**" buttons to highlight **MODE.** Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select **ONE PLAY** (the program will be played once) or **LOOP PLAY** (the program will be played in a loop).
Press the "**ENTER**" button to confirm the setting.

Press the "**UP**" and "**DOWN**" buttons to highlight **START PLAY** and press the "**ENTER**" button.
The device will now play the desired program.

Press the "**ENTER**" button to **STOP PLAYBACK**.

Example connection diagrams (playing):



For more information on the Cygnus WP3 (ELUM261) and operating instructions, **click here.**

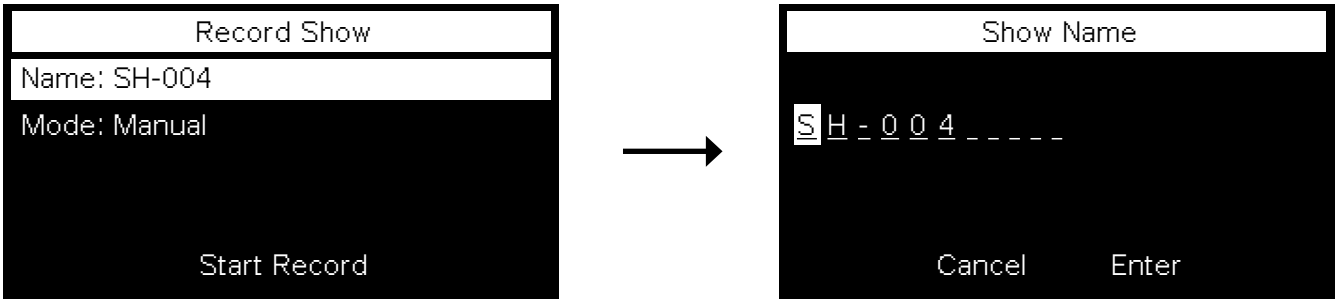
2. Record Show:

In **RECORD SHOW** menu you can record and name programs.
To access the **RECORD SHOW** setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **RECORD SHOW** is highlighted on the display.

To name the program, press the "**ENTER**" button, **NAME** will be highlighted. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the character you would like to edit.
Press the "**ENTER**" button.
Press (or press and hold, for quick search) the "**UP**" and "**DOWN**" buttons to select the desired character. Press the "**ENTER**" button to confirm the setting.

Repeat steps to edit the remaining characters.

Press the "**UP**" and "**DOWN**" buttons to select **CANCEL** (to cancel changes) or **ENTER** (to save the new file name). Press the "**ENTER**" button to confirm the setting.

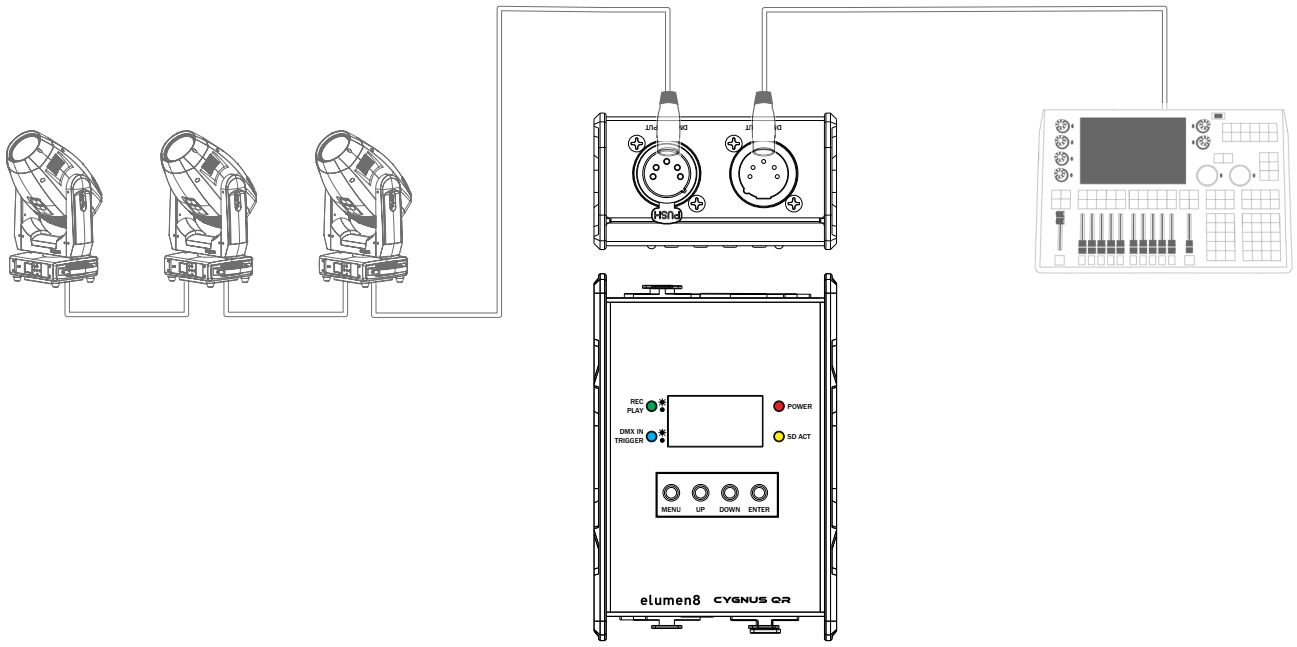


To change the record mode, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to highlight **MODE.** Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select one of the 4 recording modes:

- **MANUAL**: Start and stop recording manually.
- **AUTO_START**: Start recording by setting all DMX channel values higher than 0 or disabling blackout on the lighting controller and stop recording manually.
- **AUTO_STOP**: Start recording manually and stop recording by setting all DMX channel values to 0 or enabling blackout on the lighting controller.
- **AUTO**: Recording starts when the value of a DMX channel is higher than 0. Stop recording by setting all DMX channel values to 0 or enabling blackout on the lighting controller.

Press the "**ENTER**" button to confirm your choice.
Press the "**UP**" and "**DOWN**" buttons to highlight **START RECORD**. Press the "**ENTER**" button to confirm.
If the display shows **WAITING START**, press the "**ENTER**" button again to start recording.
Press the "**ENTER**" button to stop recording. The recorded program will be saved.

Example connection diagram (recording):



3. Delete Show:

To access the **DELETE SHOW** setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **DELETE SHOW** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to highlight a recorded program. Press the "**ENTER**" button and **DELETE SHOW** will illuminate. Press the "**ENTER**" button to delete the program.
Repeat steps to delete other programs.

If the program that you want to delete is assigned to any active trigger event, the device will display a message to confirm you would like to continue. Press the "**UP**" and "**DOWN**" buttons to choose **CONTINUE** (to delete the program) or **RETURN** (to return to the previous menu)
Press the "**ENTER**" button to confirm the setting.

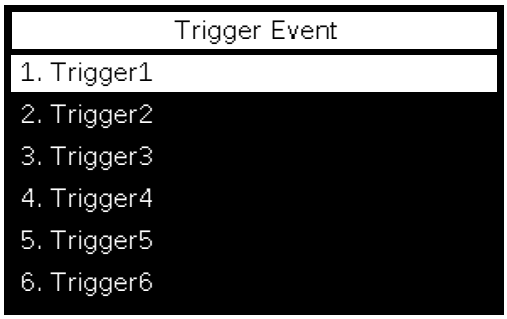
4. Trigger Event:

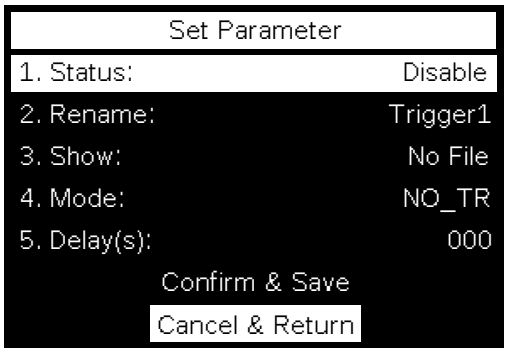
In **TRIGGER EVENT** menu you can set the trigger event settings.

The device is equipped with 12 triggers to which you can assign your recorded programs.
When a trigger is activated, the program assigned to this trigger will be played.

Triggers 1 to 6 can be activated via the Cygnus WP3 Wall Plate (ELUM261)
whilst triggers 1 to 12 can be activated via DMX (LTP - Latest Takes Precedence)
For more information on the Cygnus WP3 (ELUM261) and operating instructions, **click here.**

To access the **TRIGGER EVENT** setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **TRIGGER EVENT** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to highlight a trigger. Press the "**ENTER**" button to open the triggers menu.





Press the "**UP**" and "**DOWN**" buttons to toggle through the 5 available options:

- **STATUS**
- **RENAME**
- **SHOW**
- **MODE**
- **DELAY**

Press the "**ENTER**" button to confirm your choice.

Status:

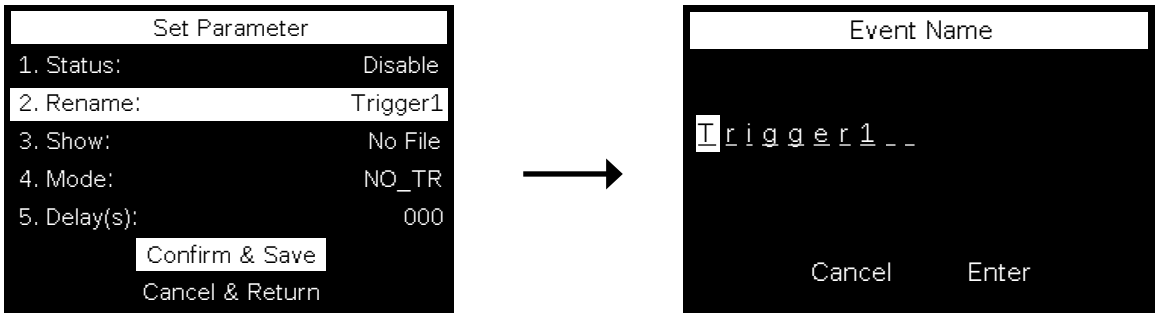
This allows you to activate/deactivate a trigger event, press the "**UP**" and "**DOWN**" buttons to select **ENABLE** or **DISABLE**. Press the "**ENTER**" button to confirm the setting.

Rename:

To name the trigger, use the "**UP**" and "**DOWN**" buttons until **RENAME** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the character you would like to edit. Press the "**ENTER**" button. Press (or press and hold, for quick search) the "**UP**" and "**DOWN**" buttons to select the desired character. Press the "**ENTER**" button to confirm the setting.

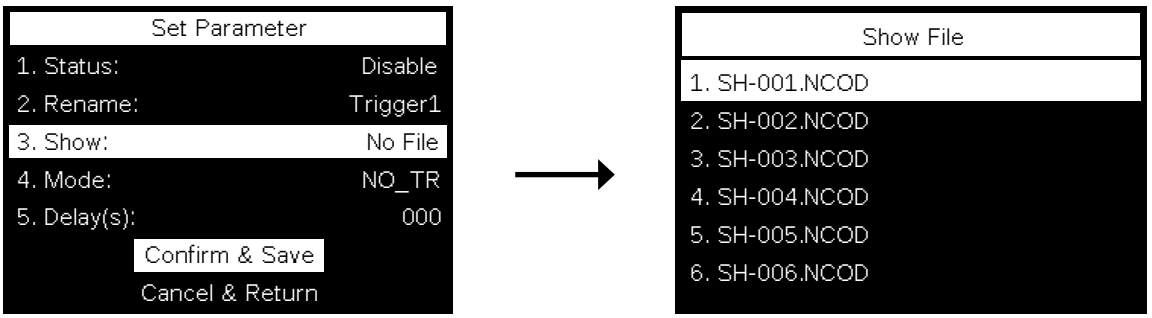
Repeat steps to edit the remaining characters.

Press the "**UP**" and "**DOWN**" buttons to select **CANCEL** (to cancel changes) or **ENTER** (to save the new file name). Press the "**ENTER**" button to confirm the setting.



Show:

In the **SHOW** menu you can assign your recorded programs to the selected triggers, use the "**UP**" and "**DOWN**" buttons until **SHOW** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the show you would like to select.
Press the "**ENTER**" button to confirm the setting.



Mode:

To change the trigger mode, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to highlight **MODE.** Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select one of the 4 trigger modes:

- **NO_TR** (Normally Open): Trigger will be activated when the circuit closes. As long as the circuit remains closed, the triggered program will play in a loop. When the circuit opens, the program will keep playing until it ends and then it will stop. With only a short pulse, the program will play just once.
- **NC_TR** (Normally Closed): Trigger will be activated when the circuit opens. As long as the circuit remains open, the triggered program will play in a loop. When the circuit closes, the program will keep playing until it ends and then it will stop. With only a short pulse, the program will play just once.
- **TOGGLE_TR**: It works with NO and NC circuits (external triggers). The first pulse starts the triggered program to play in a loop. After the second pulse, the program will stop. Another pulse will restart the program.
- **AUTO_TR**: The trigger will be activated immediately. Upon every start-up, the device will always search for any triggers set to this mode and will activate them.

Press the "**ENTER**" button to confirm your choice.

Note: It is possible to use each of the 4 modes at the same time, independently, for separate triggers.

Delay:

In the **DELAY** menu you can assign a delay to the selected triggers, use the "**UP**" and "**DOWN**" buttons until **DELAY** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the delay time. The adjustment range is 0–120 seconds.
Press the "**ENTER**" button to confirm the setting.

Once you have adjusted all the options in menus, save your trigger event. Press the "**UP**" and "**DOWN**" buttons to select **CONFIRM & SAVE** (to save a new trigger event) or **CANCEL** & **RETURN** (to cancel changes and return to the previous menu). Press the "**ENTER**" button to confirm the setting.

Trigger Monitoring:

You can monitor the current status of each of the triggers. You can access the trigger status menu only from the start screen.

Press and hold down the "**MENU**" button for 2 seconds in order to return to the start screen, from any place in the menu. Press the "**UP**" & "**DOWN**" buttons to see the status of each of the triggers.

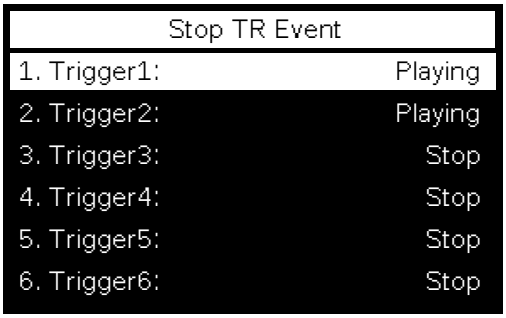
The display will show the following information:

- **NAME**: Trigger's name
- **SHOW**: Assigned DMX program's name
- **TIME**: Playing time
- **STATUS**: PLAYING (trigger is active) or WAITING (trigger is inactive)
- **DELAY**: Delay time

5. Stop TR Event:

To deactivate the trigger events, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **STOP TR EVENT** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to highlight a trigger. Press the "**ENTER**" button and **DELETE SHOW** will illuminate. Press the "**ENTER**" button to deactivate the selected trigger event.

Repeat steps to deactivate the remaining trigger events, as required.



6. Idle Playback:

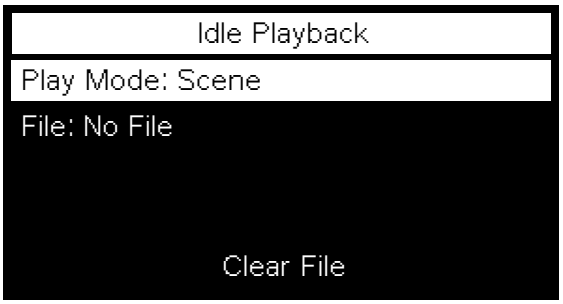
The **IDLE PLAYBACK** mode can be used to define the behaviour of the device when no triggered show is active, you can play a static scene (default), loop a selected show or enable DMX pass through.

Press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **IDLE PLAYBACK** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to highlight **PLAY MODE**.

Press the "**ENTER**" button to open the submenu. The display will show the current play mode.

Press the "**UP**" and "**DOWN**" buttons to select one the following play modes:

- **SCENE**
- **SHOW**
- **PASSTHRU**



Scene:

In **SCENE** mode the device will use the first scene of the selected show file as a default static scene when no triggered show is active. When no file is selected, it uses a default blackout with all channels set to zero.

Press the "**UP**" and "**DOWN**" buttons until **FILE** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the file.
Press the "**ENTER**" button to confirm the setting.

Note: You need to record a show to be able to use it in **SCENE** mode.

Show:

In **SHOW** mode the device will loop the entire selected show file continuously when no triggered show is active. Press the "**UP**" and "**DOWN**" buttons until **FILE** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the file.
Press the "**ENTER**" button to confirm the setting.

Note: You need to record a show to be able to use it in **SHOW** mode.

Passthrough:

In **PASSTHRU** mode, the device will enable DMX pass through. This allows data from the DMX input to be sent directly to the fixtures when no triggered show is active.

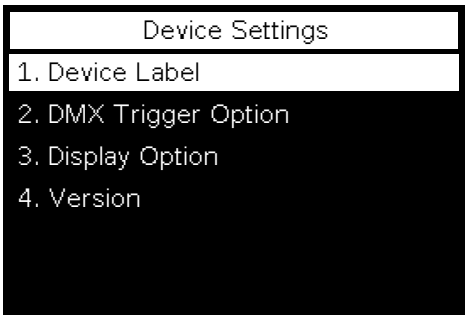
Note: Even if the DMX Trigger option is set to **ENABLED**, it will not work when **PASSTHRU** mode is selected in **IDLE PLAYBACK** mode.

6. Idle Playback:

The **DEVICE SETTINGS** can be used to adjust options and display version number.

Press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **DEVICE SETTINGS** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to toggle through the 4 available options:

- **DEVICE LABEL**
- **DMX TRIGGER OPTION**
- **DISPLAY OPTION**
- **VERSION**

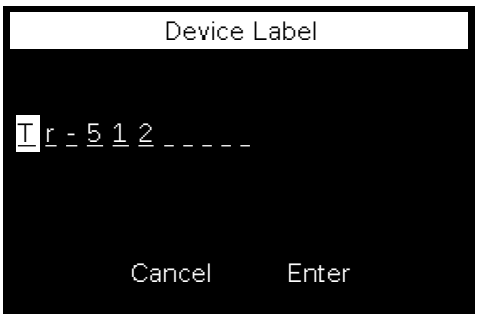


Device Label:

To rename the **DEVICE LABEL** use the "**UP**" and "**DOWN**" buttons until **DEVICE LABEL** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the character you would like to edit. Press the "**ENTER**" button. Press (or press and hold, for quick search) the "**UP**" and "**DOWN**" buttons to select the desired character. Press the "**ENTER**" button to confirm the setting.

Repeat steps to edit the remaining characters.

Press the "**UP**" and "**DOWN**" buttons to select **CANCEL** (to cancel changes) or **ENTER** (to save the new file name). Press the "**ENTER**" button to confirm the setting.



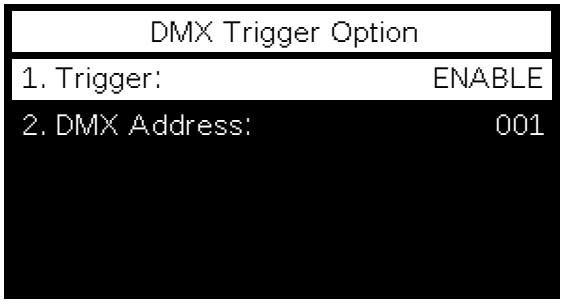
DMX Trigger Option:

In the **DMX TRIGGER OPTION** setting, you can activate DMX control. You can use a DMX controller to activate the trigger events. Each trigger event can be started by setting corresponding DMX values.

Use the "**UP**" and "**DOWN**" buttons until **TRIGGER** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select one of the 2 options:

- **ENABLE**: Activates the function. Use a DMX controller to activate the desired trigger events.
- **DISABLE**: Deactivates the function.

Press the "**ENTER**" button to confirm the setting.



Press the "**UP**" and "**DOWN**" buttons to select **DMX ADDRESS**. Press the "**ENTER**" button to open the menu. Press the "**UP**" and "**DOWN**" buttons to select a DMX starting address that will be used for trigger event activation. The adjustment range is 001–512.
Press the "**ENTER**" button to confirm the setting.

Value	Function
000-010	No function
011-030	Run Trigger Event 1
031-050	Run Trigger Event 2
051-070	Run Trigger Event 3
071-090	Run Trigger Event 4
091-110	Run Trigger Event 5
111-130	Run Trigger Event 6
131-150	Run Trigger Event 7
151-170	Run Trigger Event 8
171-190	Run Trigger Event 9
191-210	Run Trigger Event 10
211-230	Run Trigger Event 11
231-255	Run Trigger Event 12

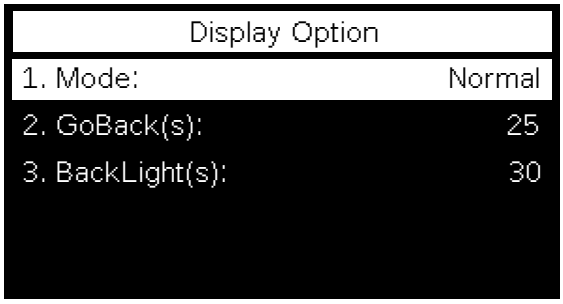
Display Option:

In the **DISPLAY OPTION** setting, you can set the display settings. Use the "**UP**" and "**DOWN**" buttons until **DISPLAY OPTION** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select one of the 3 options:

To set the **DISPLAY OPTION** press the "**UP**" and "**DOWN**" buttons to select one of the 3 display modes:

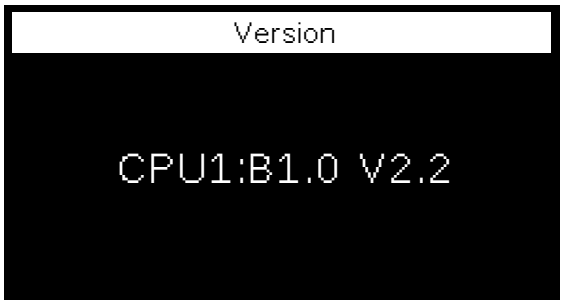
- **MODE:** Choose between **NORMAL** (normal view) and **INVERSE** (display invert).
  If you choose **INVERSE**, the button functions (**MENU**/**UP**/**DOWN**/**ENTER**) will invert also.
- **GOBACK(S):** Set the time after which the display returns to the start screen when no button is pressed. The adjustment range is between **NEVER** and **5–60 SECONDS**, in increments of 5 seconds.
- **BACKLIGHT(S):** Set the time which needs to pass, after which the display turns off. The adjustment range is between **ON** and **5–60 SECONDS**, in increments of 5 seconds.

Press the "**ENTER**" button to open the selected option. Press the "**UP**" and "**DOWN**" buttons to adjust settings. Press the "**ENTER**" button to confirm the setting.



Version:

In the **VERSION** setting, you can view the version number. Use the "**UP**" and "**DOWN**" buttons until **VERSION** is highlighted on the display. Press the "**ENTER**" button and the version number will be displayed.

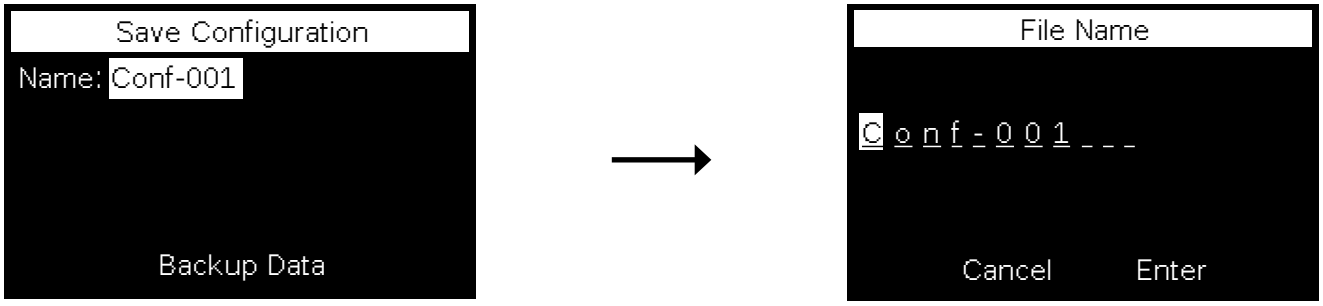


8. Save Configuration:

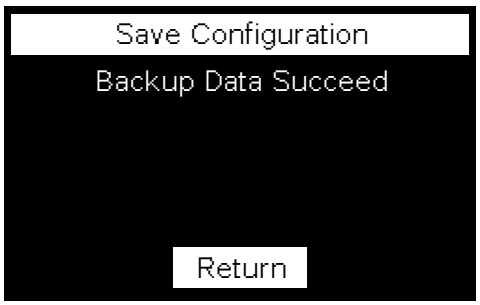
To create a backup of the device's settings and save them on the microSD card the **SAVE CONFIGURATION** setting can be used. Press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **SAVE CONFIGURATION** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the character you would like to edit. Press the "**ENTER**" button. Press (or press and hold, for quick search) the "**UP**" and "**DOWN**" buttons to select the desired character. Press the "**ENTER**" button to confirm the setting.

Repeat steps to edit the remaining characters.

Press the "**UP**" and "**DOWN**" buttons to select **CANCEL** (to cancel changes) or **ENTER** (to save the new file name). Press the "**ENTER**" button to confirm the setting.



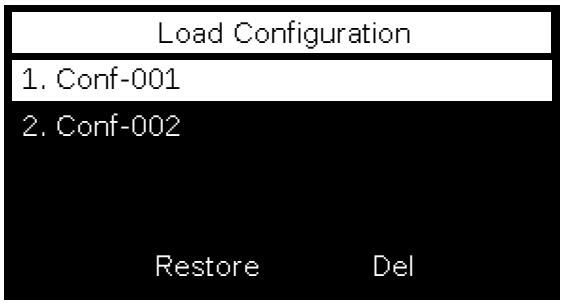
Press the "**UP**" and "**DOWN**" buttons to select **BACKUP DATA**. Press the "**ENTER**" button to create a configuration backup. Press the "**ENTER**" button to return to the main menu.



9. Load Configuration:

To load or delete a backup of the device's settings the **LOAD CONFIGURATION** setting can be used. Press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **LOAD CONFIGURATION** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the file you would like to restore or delete. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose between **RESTORE** (load the desired configuration backup file) or **DEL** (delete the desired configuration backup file).

Press the "**ENTER**" button to confirm the setting.



10. Default Setting:

To restore the devices factory settings the **DEFAULT FACTORY SETTINGS** can be used. Press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons until **DEFAULT FACTORY SETTINGS** is highlighted on the display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between the 2 options:

- **YES:** The default factory settings will be restored. All settings of the current trigger events and all the display options will be set to default. The **DMX PORT OPTION** will be set to **SINGLE**. All saved programs and configuration files will not be reset.
- **NO:** The device will return to the **MAIN MENU**.

Press the "**ENTER**" button to confirm the setting.

Note: Turn the Cygnus QR off before removing the microSD card.
It is recommended to back up your data regularly.

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 from 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 manufacturers 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 requires either a standard 3-pin or 5-pin XLR connector for data input/output, see images below. Using audio XLR cables for DMX lighting is discouraged because it causes signal degradation, leading to flickering, erratic, or non-responsive lights. Audio cables have different impedance (<75 Ω) and higher capacitance, which cannot accurately transmit high-speed digital DMX data (110-120 Ω). While it may work for short, simple setups, it is unreliable for professional, long-distance, or complex lighting rigs. Ensure you use DMX XLR cables.

Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.

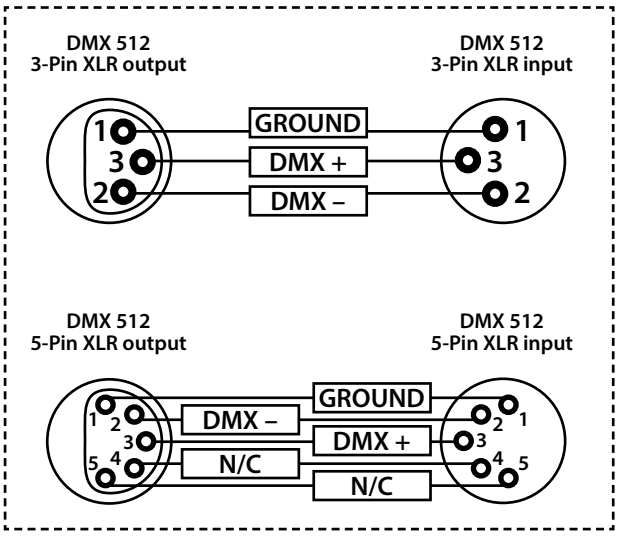
Please quote:	3-Pin:	**CABL10 – 2m**	**CABL11 – 5m**	**CABL12 – 10m**
	5-Pin:	**CABL185 – 2m**	**CABL187 – 5m**	**CABL188 – 10m**

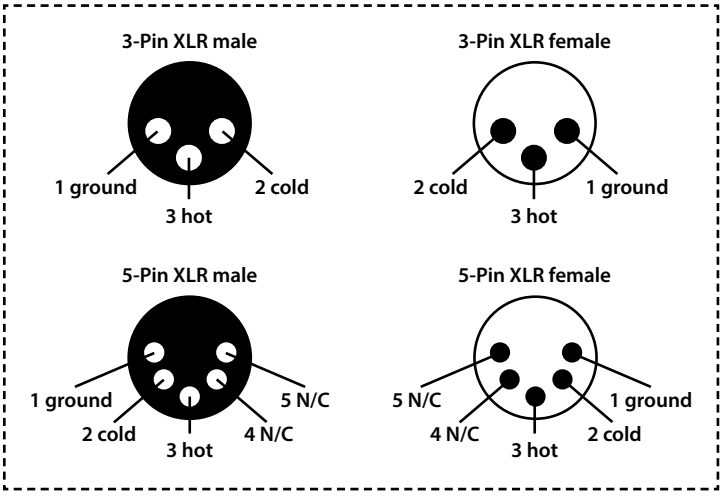
Also remember that DMX cable must be daisy chained and cannot be split.

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.

Pin Configuration	
3-Pin	5-Pin
Pin 1 - Ground	
Pin 2 - Negative	
Pin 3 - Positive	
–	Pin 4 - N/C
–	Pin 5 - N/C

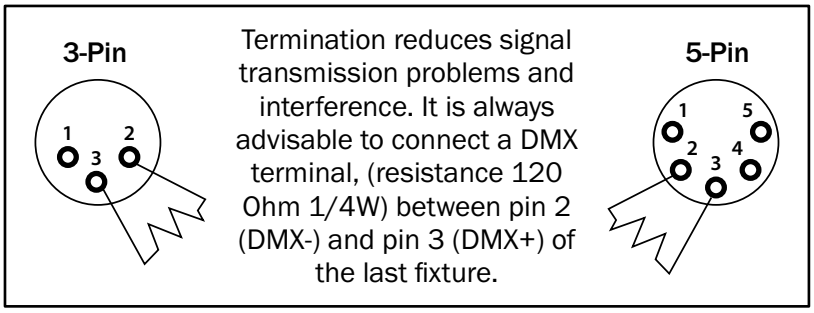




Line termination:

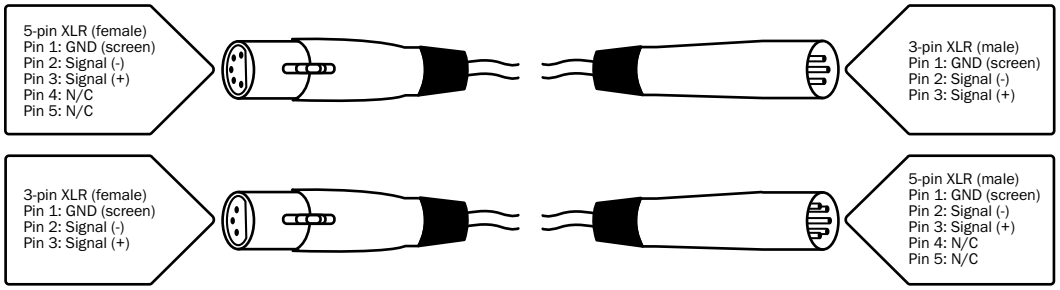
When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

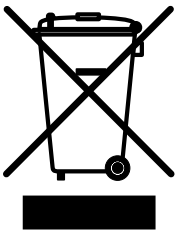
Using a cable terminator will decrease the possibilities of erratic behaviour.
(3-pin - Order ref: CABL90,
5-pin - Order ref: CABL89)



5-pin XLR DMX connectors:

Some manufacturers 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.





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 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.

This notice does not imply a requirement for the product to be returned to the manufacturer or supplier, disposal should be carried out via appropriate authorised recycling facilities in accordance with local regulations.