DMXRT4A

DMX and Audio Recorder/Trigger with 4 Trigger Inputs

USER MANUAL

For your safety, please read this user manual carefully before use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

Version 1.0 (October 2023

Safety Notes

These Safety Notes include important information about installation, use, and maintenance.

- Make sure the power cord is not crimped or damaged.
- Never disconnect this product from power by pulling on the cord.
- When mounting this product overhead, ALWAYS use a safety cable.
- DO NOT allow flammable materials close to the product when it is operating.

- The voltage of the outlet to which you are connecting this product must be within the range stated on the decal or rear panel of the product.
- This product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Always mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Never connect this product to a dimmer or rheostat.
- Never carry the product by the power cord. Use only the hanging bracket or handle to carry this product.
- The maximum ambient temperature is 104 °F (40 °C). Do not operate this product at higher temperatures.
- In the event of a serious operating problem, stop using immediately.
- DO NOT open this product. It contains no user-serviceable parts.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.

What is Included

- DMXRT4A
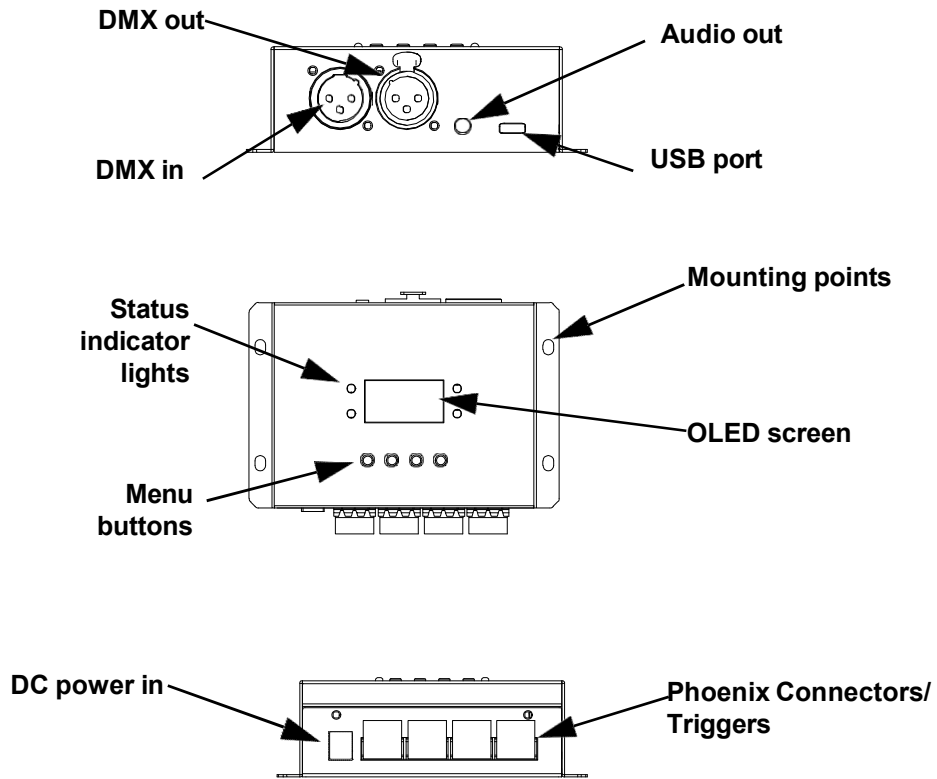- External power supply

- Quick Reference Guide

AC Power

This product has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz.

To eliminate wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
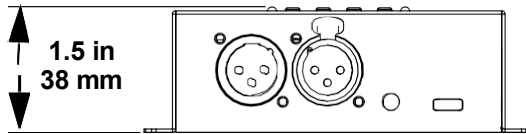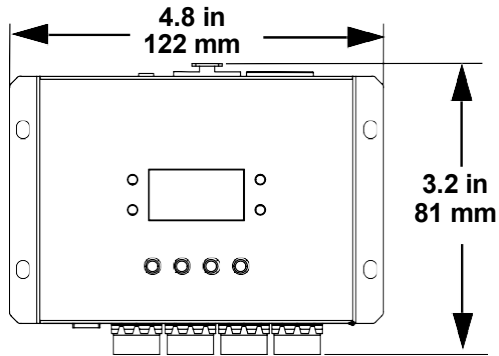
Product Description

The DMXRT4A is a rugged and compact DMX recording device with trigger-able playback. The device connects to external audio systems and can copy, backup, and transfer show files. The DMXRT4A also includes a DC power out for sensors that require DC power to operate.

Status Indicator Lights

Color	Status	Function
Green	**Steady**	File is playing
	Blinking	Show is recording
Blue	**Steady**	Trigger has been activated
	Blinking	DMX input detected
Red	**Steady**	Power ON
	Blinking	N/A
Yellow	**Steady**	SD activity in progress
	Blinking	SD activity in progress

Dimensions

4.8 in
122 mm

3.2 in
81 mm

1.5 in
38 mm
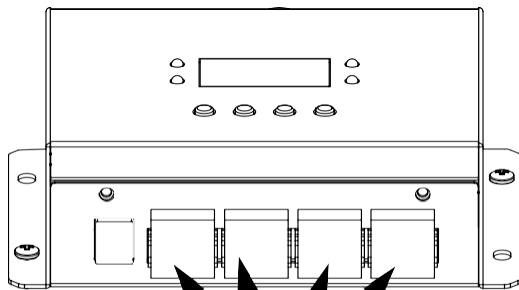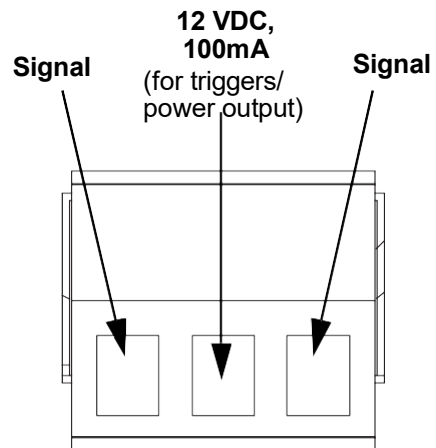
Connection

The DMXRT4A has 4 3-pin Phoenix connectors which connect the device to triggers, which may require additional power. See below for demonstrative purposes:

Connection Diagram

Phoenix Connectors

Phoenix Connector

Signal

12 VDC, 100mA
(for triggers/ power output)

Signal

Control Panel Description

Button	Function
<MENU>	Exits from the current menu or function
<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function
<ENTER>	Enables the currently displayed menu or sets the currently selected value into the selected function

Menu Map

Main Level	Programming Levels			Description
1. Play Audio	**Audio**	**–**		Selects audio file (12 character max)
	Mode	**One Play**		Sets audio to play once or loop
		Loop Play		
	Start Play	**Stop Play** (If audio file selected)		Enables/ disables audio
		Return (If audio file not selected)		
2. Delete Audio	**–**	**Delete Audio**	**Continue**	Delete audio file or return to previous menu
			Return	
3. Play Show	**Show**	**–**		Selects saved show file to play
	Mode	**One Play**		Sets show to play once or on repeat
		Loop Play		
	Start Play	**Stop Play** (When show is selected)		Starts and stops selected show
		Return (When show is not selected)		
4. Record Show	**Name**	**– – – – – – – – –**		Customize name for file to be recorded (11 character max)
		Cancel		
		Enter		
	Mode	**Manual**		Records via manual command
		Auto		Records upon recognizing DMX signal
		Semi_Auto		Records via manual command/ stops automatically
	Start Record	**Manual Start** (When **Start Record** is selected in **Manual** Mode or **Semi_Auto** Mode)		Starts recording show
		Stop Record (When **Start Record** is selected in **Auto Mode** or **Manual Record** is selected in **Manual** or **Semi_Auto** Mode)		
5. Delete Show	**–**	**Delete Show**	**Continue**	Deletes selected show/Return to Main Menu
			Return	

Main Level	Programming Levels			Description
6. Trigger Event	**1. Trigger 1** **2. Trigger 2** **3. Trigger 3** **4. Trigger 4** (The higher the trigger, the higher the priority)	**1. Status**	**Enable**	Enables/ disables trigger
			Disable	
		2. Rename	**– – – – – – – –** **– –**	Renames the trigger
			Cancel	
			Enter	
		3. Show List	**All Show File**	Select show file(s) for trigger
		4. DMX	**Once**	Play once or on repeat
			Loop	
		5. Audio	**–**	Select audio file(s) for trigger
		6. MP3	**Once**	Set trigger audio to play once or on repeat
			Loop	
		7. Mode	**NO_TR**	Does not trigger until circuit is closed
			AUTO_TR	Automatically triggers
			TOGGLE_TR	Sets each trigger to on/off
			NC_TR	Does not trigger until circuit is open
		8. Delay	**000–120**	Sets trigger delay
		9. Interrupt	**Self**	Can be interrupted only by same trigger
			Priority	Only higher numbered triggers can interrupt
			On	Any other trigger can interrupt
			Off	Cannot be interrupted
			Self+Prio	Can be interrupted by Self or higher priority
		10. Save		Save parameters for trigger
		11. Cancel		Cancel parameters for trigger
7. Stop TR Event	**1. Trigger 1**	**Stop** (when trigger 1 is playing)		Manually stops trigger 1
	2. Trigger 2	**Stop** (When trigger 2 is playing)		Manually stops trigger 2
	3. Trigger 3	**Stop** (When trigger 3 is playing)		Manually stops trigger 3
	4. Trigger 4	**Stop** (When trigger 4 is playing)		Manually stops trigger 4
8. Enter MassStorage	**1. Connect to PC**	**–**		Allows user to transfer audio/ update firmware
		Return		
	2. Format SD Card	**Continue**		Format SD card/ return
		Return		
9. Lock Device	**1. PIN**	**000–999**		Sets PIN code to unlock device
	2. Lock	**Disable**		Disables lock/ sets lock to 30 sec timer
		Timeout		
	3. Manual lock	**PIN**	**000–999**	Select PIN code to unlock device
		Unlock		Unlocks device w/ preset PIN

Main Level	Programming Levels			Description
10. Device Settings	**1. Device Label**	_ _ _ _ _ _ _ _ _ _ _		Sets device label on timeout screen
		Cancel		
		Enter		
	2. DMX Trigger Option	**1. Trigger**	ENABLE	Allows DMX signal to trigger 4 scenes
			DISABLE	
		2. DMX Address	001–512	Sets address for DMX Trigger
	3. Display Option	**1. Mode**	Normal	Enables/disables inverted display
			Inverse	
		2. Backlight	On	Enables/disables timer for display blackout
			0–60	
	4. Version	CPU1:_ _. _ V_ . _		Displays software version
11. Save Configuration	**Name**	_ _ _ _ _ _ _ _ _ _ _		Sets name for the current configuration
		Cancel		
		Enter		
	Backup Data	Return (upon successful backup)		Saves current configuration
12. Load Configuration	**–**	Restore		Selects configuration to be loaded
		Del		
13. Default Setting		Yes		Restores ALL settings to default
		No		

Warranty

Please refer to your local dealer or contact Event Lighting.
www.event-lighting.com.au