ELATION

PROFESSIONAL

IPC415™

user manual

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DOCUMENT VERSION

Due to additional product features and/or enhancements, an updated version of this document may be available online. Please scan the QR Code with your mobile device or visit www.elationlighting.com for the latest revision/update of this manual, before installation and/or programming.

Date	Document Version	Software Version ≥	DMX Channel Modes	Notes
10/04/17	1	B1.1 V1.0	1 /4	Initial release.
02/05/18	1.2	N/C	NO CHANGE	Updated manual format.
03/2/18	2	B1.1 V1.1	NO CHANGE	Updated DMX value functions.
01/28/19	2.1	N/C	NO CHANGE	Added ETL Control #.

C O N T E N T S

G E N E R A L   I N F O R M A T I O N

INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information.

UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

12AWG/3 Bare Wire powerCON Cable

CUSTOMER SUPPORT

Contact ELATION Service for any product related service and support needs.
Also visit forums.elationlighting.com with questions, comments or suggestions.

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
323-582-3322 | Fax 323-832-9142 | support@elationlighting.com

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
+31 45 546 85 63 | Fax +31 45 546 85 96 | support@elationlighting.eu

REPLACEMENT PARTS please visit parts.elationlighting.com

⚠ M P O R T A N T   N O T I C E !

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.
DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURES WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.

L I M I T E D   W A R R A N T Y   (U S A   O N L Y)

A. Elation Professional hereby warrants, to the original purchaser, Elation Professional products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought. B. For warranty service, send the product only to the Elation Professional factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional shall have no liability what so ever for loss and/or or damage to any such accessories, nor for the safe return thereof. C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional factory unless prior written authorization was issued to purchaser by Elation Professional; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual. D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect. E. Elation Professional reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured. F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product. G. This warranty is the only written warranty applicable to Elation Professional products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

WARRANTY RETURNS
All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support. **ONLY** Use the original packaging and materials to transport the fixture in for service.

SAFETY GUIDELINES

This device is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. The manufacturer of this device is not responsible for injury and/or damages resulting from the misuse of this device due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this device. Any modifications to the device will void the original manufactures warranty and increase the risk of damage and/or personal injury.

DO NOT shake device, avoid brute force when installing and/or operating.

DO NOT operate fixture if the DMX and/or power supply cables have become frayed, crimped, damaged and/or if any of the connectors are damaged and do not insert into the device securely with ease. **NEVER** force a cable connector into the device. If the DMX and/or power supply cable or any of the connectors are damaged, replace it immediately with a new one of similar rating.

PROTECTION CLASS 1 - DEVICE MUST BE PROPERLY GROUNDED

**ELECTRICAL CONNECTIONS BY QUALIFIED PERSONNEL ONLY!**

INDOORS USE ONLY!
DO NOT EXPOSE DEVICE RAIN AND MOISTURE!

DO NOT PLUG DEVICE INTO A DIMMER PACK!
NEVER OPEN THIS DEVICE WHILE IN USE!
UNPLUG POWER BEFORE SERVICING DEVICE!
**DO NOT EXPOSE DEVICE TO EXTREME VIBRATIONS!**

WHEN INSTALLING DEVICE IN A SUSPENDED ENVIRONMENT, ALWAYS USE MOUNTING HARDWARE THAT IS NO LESS THAN M10 x 25mm AND ALWAYS USE AN APPROPRIATELY RATED SAFETY CABLE. (not included)
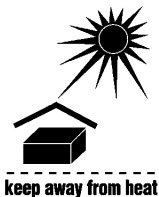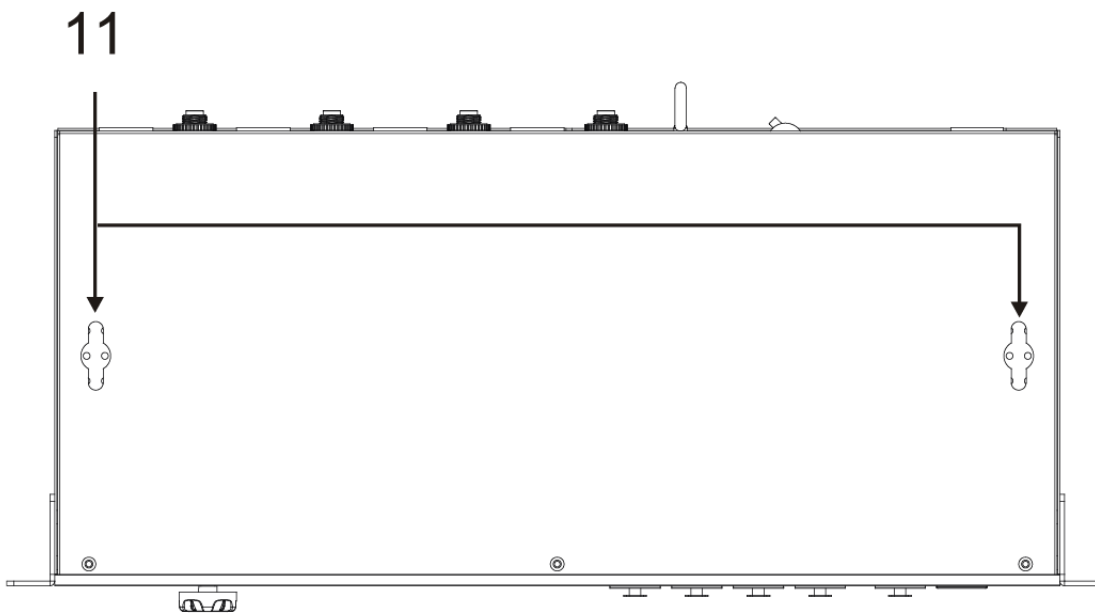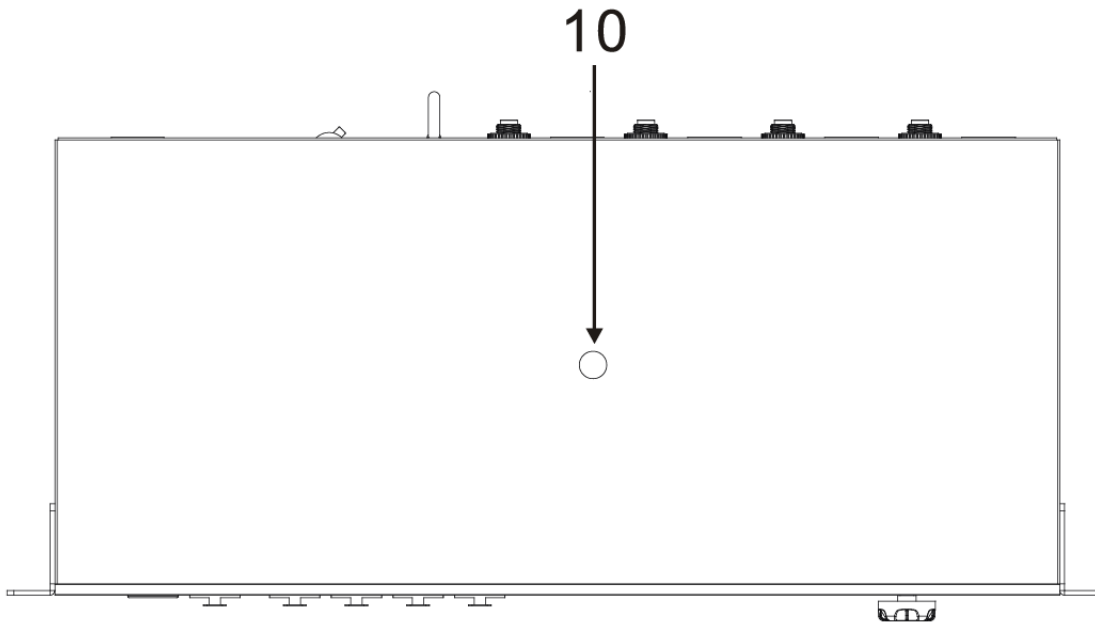
KEEP FLAMMABLE MATERIALS AWAY FROM DEVICE!
DO NOT EXPOSE DEVICE TO HEAT OR FIRE!
AMBIENT TEMPERATURES: MAX 45°C/113°F | MIN 2°C/35°F
DO NOT EXPOSE DEVICE TO FLAMMABLE MATERIALS!
DO NOT EXPOSE DEVICE TO HIGH HUMIDITY!

DEVICE OVERVIEW
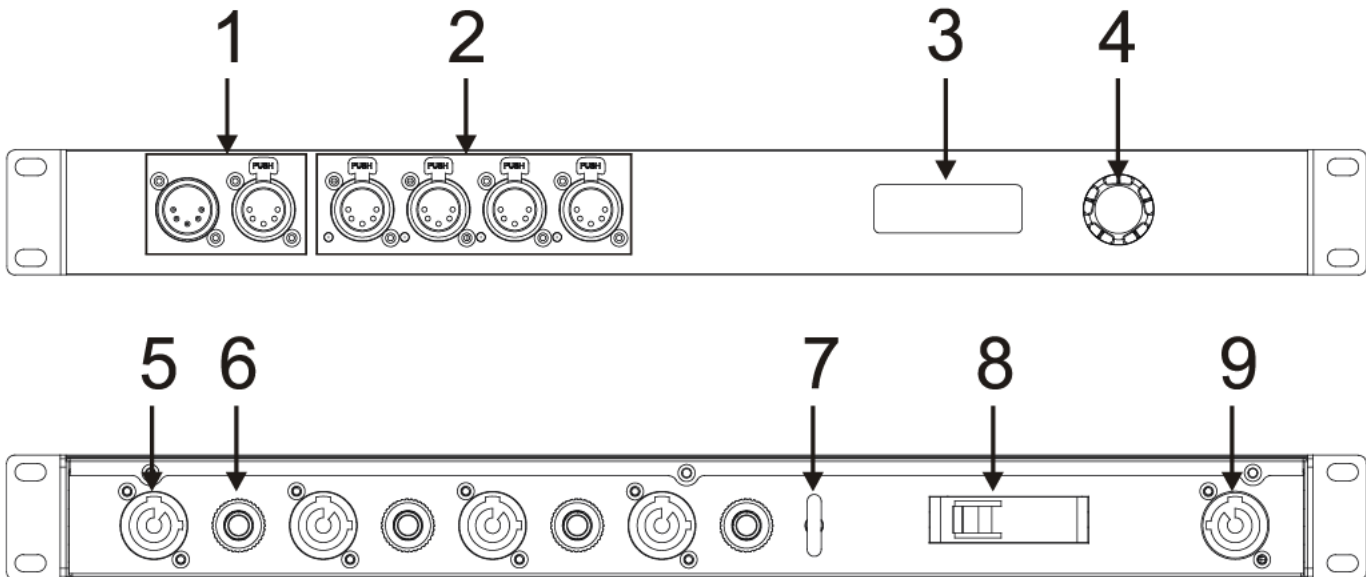
1. 5pin DMX IN/OUT

2. Isolated 5pin DMX Outputs (x4)

3. OLED Control Menu Display

4. Encoder Wheel

5. powerCON 15 amp Outputs (NAC3MPB-1 x4)

6. Fuses (15 amp x4)

7. Safety Cable Loop (cable not included)

8. Main Power Switch (20 amp)

9. powerCON 20 amp Main Power Input (NAC3MPA-1)

DEVICE OVERVIEW

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10. M10 Screw Clamp Hole (Clamp not included)

11. Wall Mounting Keyhole Cutouts

DEVICE INSTALLATION

⚠ **FLAMMABLE MATERIAL WARNING**

Keep device at least 5.0 feet (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.

⚠ **ELECTRICAL CONNECTIONS**

A qualified electrician should be used for all electrical connections and/or installations.

DO NOT INSTALL THE DEVICE IF YOU ARE NOT QUALIFIED TO DO SO!

Device MUST be installed following all local, national, and country commercial electrical and construction codes and regulations.
Ambient operating temperature range for this device is **35° to 113°F. (2° to 45°C)**
Do not use the device under or above this temperature range.
Device can be placed on the flat surface or rack mounted in a standard 19-inch single rack space (rack screws not included).
For added protection, do not install the device in areas were unauthorized personnel might reach the device.

CLAMP INSTALLATION

When mounting to truss, secure an appropriately rated clamp (not included) to the device.
Be sure to attach a **Safety Cable (not included)** to the device using the safety cable rigging point integrated into the back of the device.
(See image below)

SAFETY CABLE RIGGING POINT
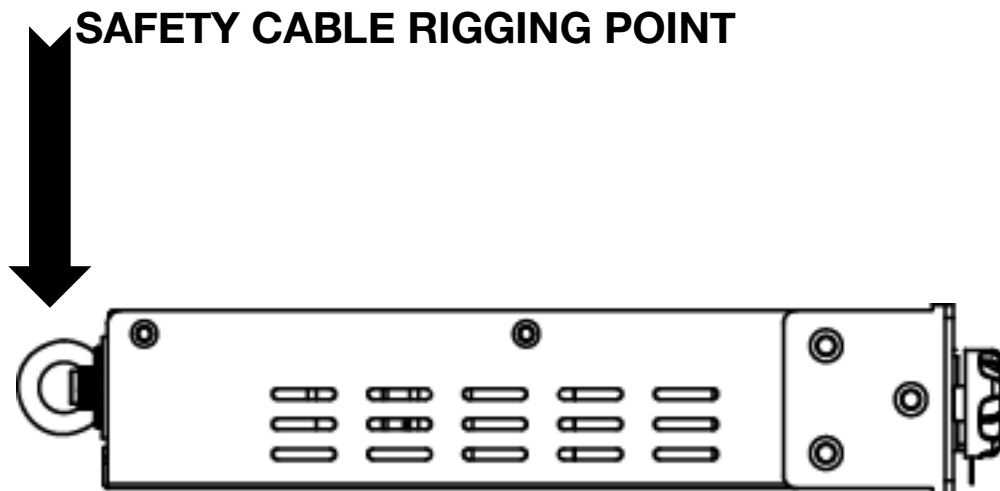
ALWAYS ATTACH A SAFETY CABLE TO THE DEVICE WHENEVER INSTALLING IN A SUSPENDED ENVIRONMENT TO ENSURE THE DEVICE WILL NOT DROP IF CLAMP FAILS.

S Y S T E M   M E N U

Pressing the **ENCODER WHEEL** once will access the (11) main system menus. Rotate the **ENCODER WHEEL** clockwise or counterclockwise to scroll through the (11) different system menus then push the **ENCODER WHEEL** to select a desired menu. Rotate the **ENCODER WHEEL** clockwise or counterclockwise to navigate the available setting options for each sub-menu. Setting changes are made using a combination of rotating/ pushing the **ENCODER WHEEL.**

<center>(System Menu on next page)</center>

OLED CONTROL DISPLAY

The device has an easy to read OLED display that provides status and system menu setting information. At initial power on the display will provide the following details.

FIRST ROW (Top line of display)

Displays Power Setup the device is set to which in the example below is **"Turn Off"**.
(See System Menu on next page)

SECOND ROW

Displays status of each of the DMX Outputs (1-4) and the current system time.
In the example below, DMX Outputs 1 and 2 are not connected which is illustrated by **"x"** and DMX Outputs 3 and 4 are connected which is illustrated by **"√"**.
The system time can be adjusted accordingly. (See System Menu on next page)

MAIN MENU	SUB MENUS				
1. DMX Address	001-512				
2. DMX Channels	1. 1CH 2. 4CH				
3. Power Setup	1. Turn Off				
	2. Turn On				
	3. On/Off Via DMX				
	4. On/Off if DMX On				
	5.Scheduler				
	6. Exit				
4. Output Delay	1. All Power Ports	1. All Ports On (0-120s)			
		2.All Ports Off (0-120s)			
		3. Exit			
	2. Unt Power Port	1. Power Port 1	1. Port 1 (2,3,4) On (0-120s) 2. Port 1 (2,3,4) Off (0-120s) 3. Exit		
		2. Power Port 2			
		3. Power Port 3			
		4. Power Port 4			
		5. Exit			
5. Scheduler	1. Event 1	1. Scheduler (On/Off)			
	2. Event 2	2. Power Output	1. All Power Ports	1. All Ports On (0-120s)	
	3. Event 3			2. All Ports Off (0-120s)	
	4. Event 4			3. Exit	
	5. Event 5		2. Unit Power Port	1. Power Port 1 On	1. Port 1 (2,3,4) On (0-120s) 2. Port 1 (2,3,4) Off (0-120s) 3. Exit
	6. Event 6			2. Power Port 2 On	
	7. Event 7			3. Power Port 3 On	
	8. Event 8			4. Power Port 4 On	
	9. Exit			5. Exit	
			3. Exit		
		3. Week Setup Every.	Monday		
			Tuesday		
			Wednesday		
			Thursday		
			Friday		
			Saturday		
			Sunday		
			Everyday		
		4. Time Setup	01-12 | 01-59 | am/pm		
		5. Exit			
6. Date&Time	00/00/0000 00:00xm				
7. Back Light	1. ON 2. OFF				
8. Set LED Brightness	000-010				
9. Factory Setting	1. NO 2. YES				
10. Information	Bx.x Vx.x				
11. Exit					

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DMX CHANNEL FUNCTIONS AND VALUES

ELATION© IPC415™			
DMX Channel Values / Functions (4 Total DMX Channels)			
Supports Software Versions: ≥ B1.1 V1.1			
Features are subject to change without any prior written notice.			
MODE / CHANNEL		**VALUE**	**FUNCTION**
CH 1	**CH 4**		
1	1		
		0-127	OFF
		128-255	ON
N/A	2		
		0-127	OFF
		128-255	ON
N/A	3		
		0-127	OFF
		128-255	ON
N/A	4		
		0-127	OFF
		128-255	ON

S P E C I F I C A T I O N S

CONTROL / CONNECTIONS
(2) DMX Channel Modes (1 / 4)
Encoder Wheel
Internal On/Off Scheduler
OLED Control Menu Display
5pin XLR DMX Input
5pin XLR DMX Output (Thru-put)
(4) 5pin XLR DMX Outputs
(4) powerCON 15 amp Outputs (NAC3MPB-1)
Main 20 amp Power Switch
powerCON Power Input (NAC3MPA-1)
Rack Ears (fits standard 19-inch single rack space)
M10 Screw Hole for Clamp (clamp not included)
Safety Cable Loop (cable not included)

SIZE / WEIGHT
Length: 19.0" (482mm)
Width: 9.1" (232mm)
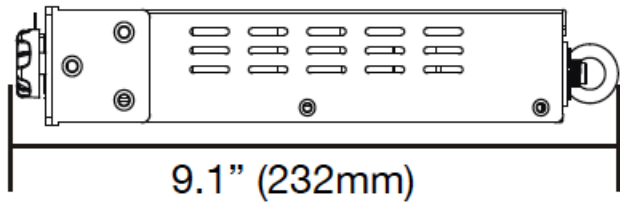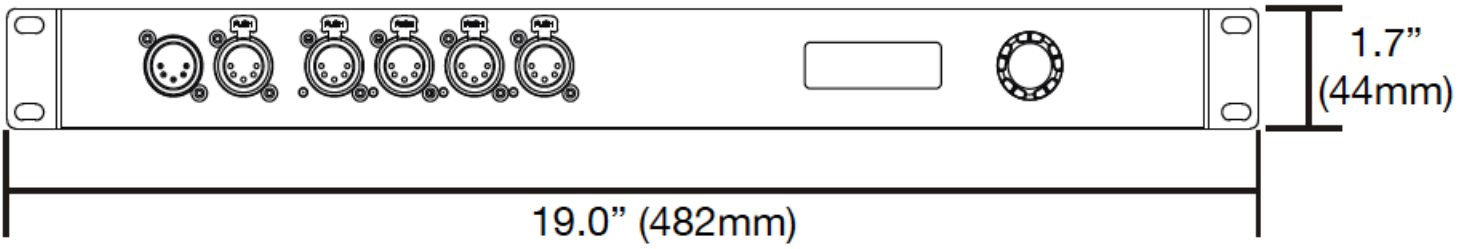Vertical Height: 1.7" (44mm)
Weight: 6.6 lbs. (3.0 kg)

ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
7W Power Consumption (NO devices connected)
35°F to 113°F (2°C to 45°C)

APPROVALS / RATINGS

CE   c (ETL) us

Intertek
4000358

DIMENSIONAL DRAWINGS

1.7" (44mm)

19.0" (482mm)

9.1" (232mm)

NOTE: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

OPTIONAL ACCESSORIES

ORDER CODE	ITEM
PRO-CLAMP	Heavy Duty 2-inch Pro Clamp
SCABLE60	Safety Cable 24" (610mm) 60 lbs. (27kg) Rating
AC3PDMX5PRO	5 ft. (1.5m) 3pin PRO DMX Cable
AC5PDMX5PRO	5 ft. (1.5m) 5pin PRO DMX Cable
	Additional Cable Lengths Available