CHORUS LINE 16™

user manual

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D O C U M E N T   V E R S I O N

Due to additional product features and/or enhancements, an updated version of this document may be available online.
Please check www.elationlighting.com **for the latest revision/update of this manual, before beginning installation and/or programming.**

Date	Document Version	Software Version ≥	DMX Channel Modes	Notes
10/19/17	1	1.02	16 / 18 / 78	Initial release.
01/26/18	1.2	1.03	NO CHANGE	Added sACN, Pixel Flip, Art-Net/Kling-Net dual control.
07/25/18	1.4	1.08	NO CHANGE	Updated manual format.
06/18/20	1.6	1.08	NO CHANGE	Updated thermal & included items
10/15/20	1.8	N/C	NO CHANGE	Updated specifications

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

This fixture has been designed to perform reliably for years when the information in this manual are followed. Please read and understand all the instructions and guidelines carefully and thoroughly before operating this unit. This manual contains important information regarding safety, installation, use, and maintenance.

UNPACKING

Each fixture has been thoroughly tested and shipped in perfect operating condition. Carefully check the outer shipping carton for signs of any damage that may have occurred during shipping. If the outer carton appears to be damaged, carefully inspect the fixture for damage and be sure all included accessories have arrived intact. In the event damage has been found and/or parts are missing, please contact our customer support team for further instructions. Please do NOT return this fixture to your dealer without first contacting customer support at the number listed below. Please do NOT discard the outer shipping carton in the trash. Please recycle whenever possible.

CUSTOMER SUPPORT

Elation Professional provides a customer support line to provide set up help and answer any set up or operation questions. You may also visit us on the web at www.elationlighting.com for any comments or suggestions. For service related issue please contact Elation Professional.

ELATION SERVICE USA - Monday - Friday 8:00am to 5:00pm PST

Voice: 323-582-3322   Fax: 323-832-9142
E-mail: support@elationlighting.com

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET

Voice: +31 45 546 85 30   Fax: +31 45 546 85 96
E-mail: support@elationlighting.eu

WARRANTY REGISTRATION / RETURNS

Please register online: http://www.elationlighting.com/Login.aspx to validate your purchase. 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.

LIMITED WARRANTY (USA ONLY)

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.

SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts (omega brackets) included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufactures warranty and increase the risk of damage and/or personal injury.

PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED

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.

DO NOT PLUG FIXTURE INTO A DIMMER PACK!
NEVER OPEN THIS FIXTURE WHILE IN USE!
UNPLUG POWER BEFORE SERVICING FIXTURE!
NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!
KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!

NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
RETINA INJURY RISK - MAY INDUCE BLINDNESS!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

INDOOR / DRY LOCATIONS USE ONLY!
DO NOT EXPOSE FIXTURE TO RAIN AND/OR MOISTURE!

S A F E T Y G U I D E L I N E S

DO NOT TOUCH the fixture housing during operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before serving.

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

DO NOT operate fixture if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease. **NEVER** force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of similar power rating.

DO NOT block any air ventilation slots.

All fan and air inlets must remain clean and never blocked.

Allow approx. 6" (15cm) between fixture and other devices or a wall for proper cooling.

When installing fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, and always install fixture with an appropriately rated safety cable.

Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.

Consistent operational breaks will ensure fixture will function properly for many years.

ONLY use the original packaging and materials to transport the fixture in for service.

M A I N T E N A N C E   G U I D E L I N E S

⚠ **DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!**

CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.
NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life.
There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from your local Elation dealer.

Please refer to the following points during routine inspections:
A detailed review by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
Be sure all screws and fasteners are securely tightened at all times. Lose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.
Check for any deformations on the housing, color lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
Electric power supply cables must not show any damage, material fatigue or sediments.
NEVER remove the ground prong from the power cable.

FIXTURE OVERVIEW
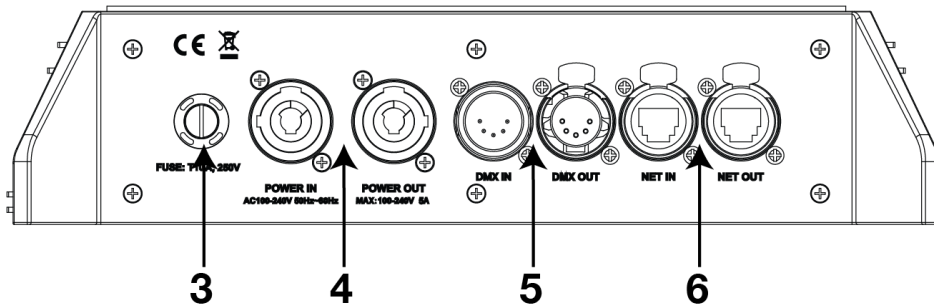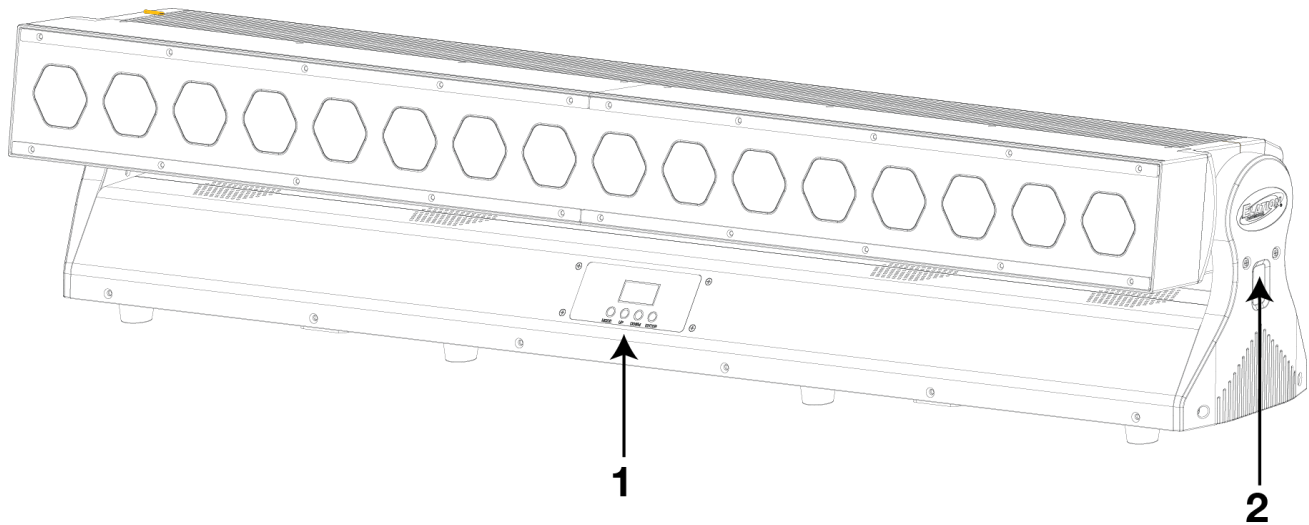
1. **LCD Menu Display, MENU, UP, DOWN, ENTER Buttons**

2. **Tilt Lock**

3. **Fuse**

4. **Power IN/OUT**

5. **5pin DMX IN/OUT**

6. **RJ45 Ethernet IN/OUT**

INCLUDED ITEMS

(2) Replacement Lens Covers
(2) Omega Brackets
(1) Power Cable

INSTALLATION INSTRUCTIONS

⚠ **FLAMMABLE MATERIAL WARNING**
Keep fixture minimum 5.0 feet (1.5m) away from flammable materials and/or pyrotechnics.

⚠ **ELECTRICAL CONNECTIONS**
A qualified electrician should be used for all electrical connections and/or installations.

⚠ **USE CAUTION WHEN POWER LINKING OTHER MODEL FIXTURES AS THE POWER CONSUMPTION OF OTHER MODEL FIXTURES MAY EXCEED THE MAX POWER OUTPUT ON THIS FIXTURE. CHECK SILK SCREEN FOR AMX AMPS.**

⚠ **DO NOT INSTALL THE FIXTURE IF YOU ARE NOT QUALIFIED TO DO SO!**

Fixture **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.

Before rigging/mounting a single fixture or multiple interconnected fixtures for custom matrix designs to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer **MUST** be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables, and accessories.

Fixture ambient operating temperature range is **15° to 113°F. (-15° to 45°C)**
Do not use the fixture under or above this temperature.

Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas were unauthorized personnel might reach the fixture by hand.

NEVER stand directly below the fixture(s) when rigging, removing or servicing.
Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that can hold 10 times the weight of the fixture.

Allow approximately 15 minutes for the fixture to cool down before serving.

INSTALLATION INSTRUCTIONS

CLAMP MOUNTING

The fixture can be placed on the flat surface or truss mounted. When mounting this fixture to truss be sure to secure (2) appropriately rated clamps (not included) to the **(2) Omega Brackets (included)** Be sure to attach the **Safety Cable (included)** to the fixture using the safety cable rigging points integrated into the bottom of the fixture. (See image below)

SAFETY CABLE RIGGING POINT

Ø13mm(0.51in)

4.21in
107mm
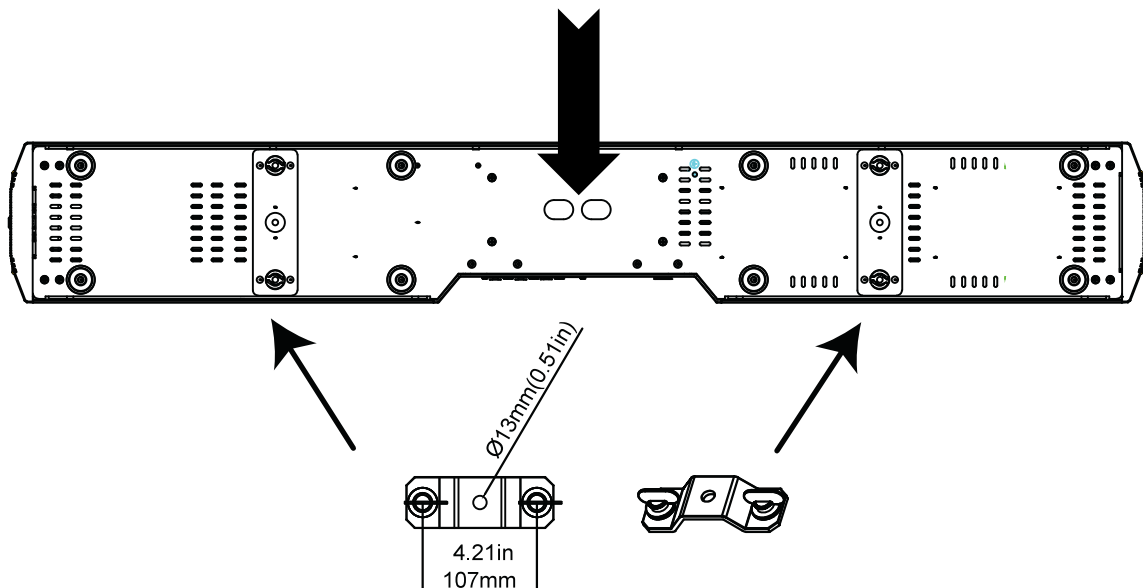
SAFETY CABLE

The fixture includes an integrated safety cable rigging point. (see image below)

⚠ **ALWAYS ATTACH A SAFETY CABLE WHEN INSTALLING FIXTURE IN A SUSPENDED**

INSTALLATION INSTRUCTIONS

OVERHEAD RIGGING

Overhead rigging requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury and property damage. Fixture is fully operational in the specific mounting positions illustrated below.
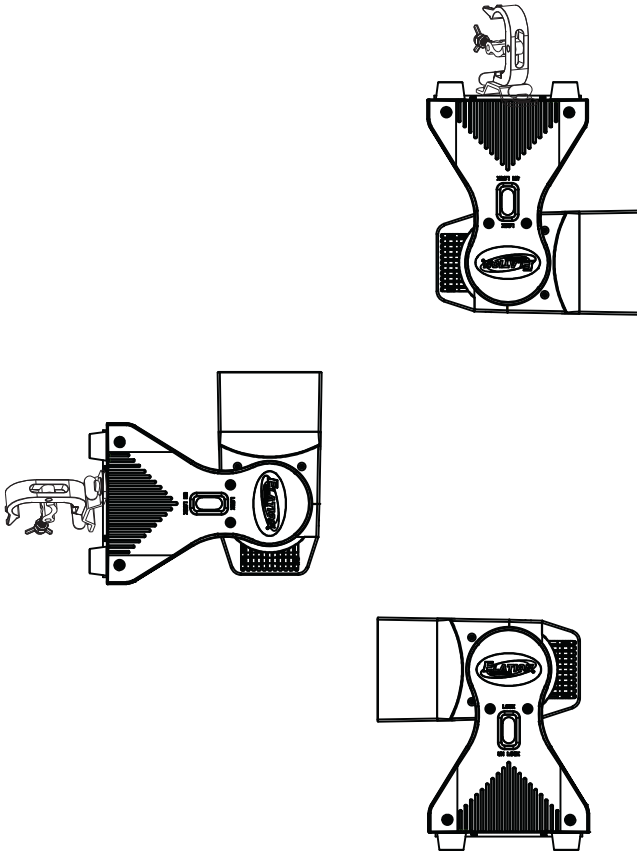
POWER LINKING

⚠ **USE CAUTION WHEN POWER LINKING OTHER MODEL FIXTURES AS THE POWER CONSUMPTION OF OTHER MODEL FIXTURES MAY EXCEED THE MAX POWER OUTPUT ON THIS FIXTURE. CHECK SILK SCREEN FOR AMX AMPS.**

KLING-NET / ART-NET CONNECTION

When connecting fixture to a network switch to control multiple devices, a **Gigabit Ethernet Switch** that supports **IGMP (Internet Group Management Protocol)** is required. Using a **Gigabit Ethernet Switch** that does not support **IGMP** can cause erratic behavior of all connected devices to the switch. Click link below for more information about IGMP.
https://en.wikipedia.org/wiki/Internet_Group_Management_Protocol

S Y S T E M   M E N U

The fixture comes with an easy to navigate system menu. The control panel (see image below) located on the back of the fixture provides access to the main system menu and is where all necessary system adjustments are made to the fixture. During normal operation, pressing **MODE** button once will access the fixture's main menu. Once in the main menu you can navigate through the different functions and access the sub-menus with the **UP** and **DOWN** buttons. Once you reach a field that requires adjusting, press the **ENTER** button to activate that field and use the **UP** and **DOWN** buttons to adjust the field. Pressing the **ENTER** button once more will confirm your setting. You may exit the main menu at any time without making any adjustments by pressing the **MODE/ESC** button.
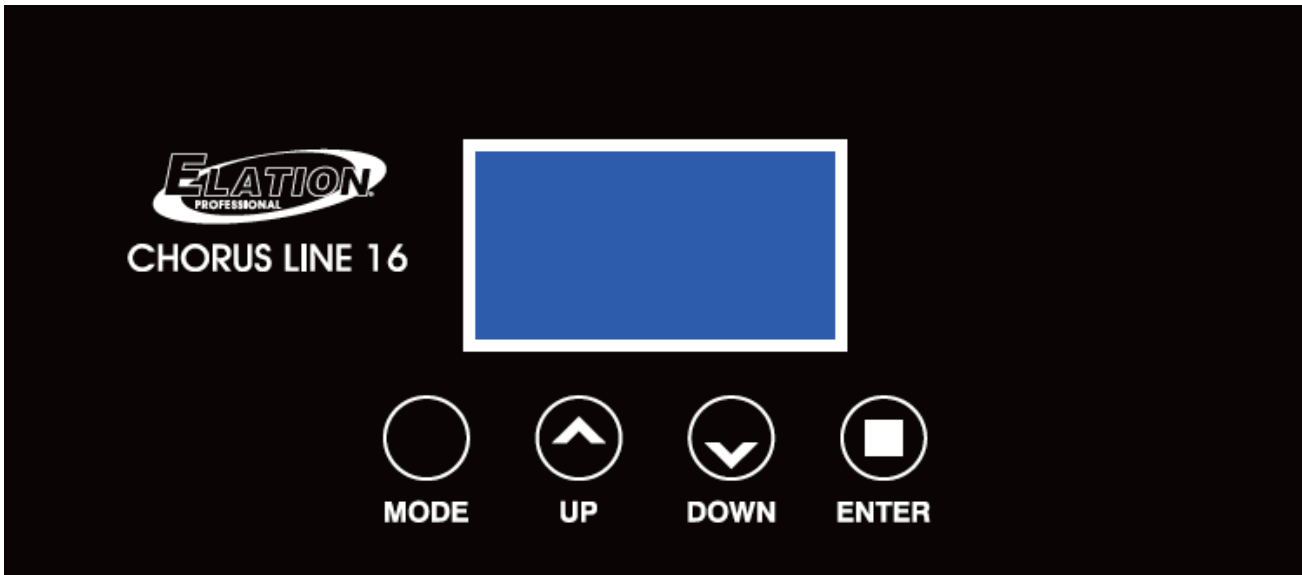
LCD CONTROL PANEL LOCKOUT

When the **Key Lock** menu is set to **ON**, the LCD display will turn OFF after 30 seconds and the (4) button Control Panel will be LOCKED. To unlock the (4) button LCD control panel, press and hold the **MODE** button.

INFORMATION DISPLAYED DURING INITIAL POWER ON

When the fixture is initially powered ON, the display shows the following information:

| Update Wait... | → | Chorus16 Reset... |

SYSTEM MENU			
Supports Software Version: ≥ V1.08			
Features are subject to change without any prior written notice.			
MAIN MENU	**SUB MENU**	**OPTIONS / VALUES** (Default Settings in **BOLD**)	**DESCRIPTION**
Receive	Set DMX Address	**001** ~ XXX	DMX Address Setting
User Mode	User Mode	**Standard**, Basic, Extend, User A, User B, User C	Set DMX Channel Mode
	Edit A	Max. Chan	Edit User Defined
	Edit B	:	Channel Assignments
	Edit C	Chase Fade	
Function	Status	Remote Add	ON/**OFF**	Set Fixture Address Via DMX Control
		NoDMX Mode	**Hold** / Auto / Blackout	Function If NO DMX Detected
		Pan Invert	ON / **OFF**	Pan Reverse Movement
		Tilt Invert	ON / **OFF**	Tilt Reverse Movement
		Pan Degree	630/**540**	Pan Degree Select
		Feedback	**ON**/OFF	Movement Feedback
		Move. Spd	Speed **1** ~ 4	Movement Mode Select
		Stand By	OFF, 01M~99M, **15M**	Stand By Mode
	Fixture ID	ServicePIN	PIN=XXX	Service PIN **050**
		RDM PID	XXXXX	RDM PID Code
		NOTE: ServicePIN must be entered in order to set fixture IP Address and Universe		
		Unit IP Addr	XXX.XXX.XXX.XXX.	Enter Fixture's IP Address
		Universe	**000**-255	Enter Universe Number
	ProtocolSet	**ArtNet**, SACN	Set Network Protocol
	KlingNet	Enable **/ Disable**	Enable KlingNet Protocol
	Net Switch	**ON** / OFF	Activate NET OUT Port.
	Fan. Set	Head Fan	**Auto**, High, Low	Fan Speed Set
	LCD. Set	Backlight	02~60m **05m**	LCD Backlight Shut Off Time
		FlipDisplay	ON / **OFF**	Flip/Reverse LCD Display 180°
		Key Lock	ON / **OFF**	Control Front Panel Buttons Key Lock
		Disp Flash	**ON** / OFF	Display flashes when NO DMX
	Dim Curve	**Standard**, Stage, TV, Architectur, Theatre	Set Dimmer Curve Mode
	Temp. C/F	**Fahrenheit**/Celsius	Temperature Switch Between F°/ C°
	Init. Effect	PAN =XXX	Initial Effect Position
	Disp. Set	Chan. Value	PAN...	Value of each Channel Displayed
		Slave Set	**Slave 1**, Slave 2, Slave 3	Set Slave Mode Preset
		Auto. Pro	**Alone**, Master	Set Auto Program Mode
	Pixel	**Standard**, Flip	Set Pixel Flip Mode
	DFSE	ON / **OFF**	Restore Factory Settings
Information	Time. Info	Current	XXXX (Hours)	Fixture Run Time From Power ON
		Total Time	XXXX (Hours)	Fixture Total Run Time
		Last Clear	XXXX (Hours)	Clear Fixture Last Run Time
		Timer PIN	PIN= **066**	Enter PIN to Access Clear Last. Menu
		Clear Last	ON / **OFF**	Reset Fixture Last Run Time
	Temp. Info	Head Temp.	XXX **F°** / C°	Temperature in Fixture Head
	Error Info	Error Record 1 ~ Error Record 10	Display 10 Recent Error Messages
	Model. Info	ChorusLine16	Display Model Name
	Software Version	1U01 - 5U01	≥V1.08	Software Versions

DMX CHANNEL FUNCTIONS AND VALUES

Features are subject to change without any prior written notice.
*Direction of effects and Pixel Control depends on orientation of the fixture head and Tilt/Pixel Flip settings.

MODE / CHANNEL			VALUE	FUNCTION
BASIC CH: 16	STANDARD CH: 18	EXTEND CH: 78		
1	1	1	0-255	TILT MOVEMENT [8 BIT] TILT Movement **[127]**
	2	2	0-255	TILT MOVEMENT [16 BIT] Fine Control of TILT Movement **[127]**
2	3		0-255	RED [ALL LEDs] 0 to 100% **[255]**
3	4		0-255	GREEN [ALL LEDs] 0 to 100% **[255]**
4	5		0-255	BLUE [ALL LEDs] 0 to 100% **[255]**
5	6		0-255	WHITE [ALL LEDs] 0 to 100% **[0]**
		3	0-255	RED [PIXEL #1] 0 to 100% **[255]**
		4	0-255	GREEN [PIXEL #1] 0 to 100% **[255]**
		5	0-255	BLUE [PIXEL #1] 0 to 100% **[255]**
		6	0-255	WHITE [PIXEL #1] 0 to 100% **[0]**
		7	0-255	RED [PIXEL #2] 0 to 100% **[255]**
		8	0-255	GREEN [PIXEL #2] 0 to 100% **[255]**
		9	0-255	BLUE [PIXEL #2] 0 to 100% **[255]**
		10	0-255	WHITE [PIXEL #2] 0 to 100% **[0]**
		11	0-255	RED [PIXEL #3] 0 to 100% **[255]**
		12	0-255	GREEN [PIXEL #3] 0 to 100% **[255]**
		13	0-255	BLUE [PIXEL #3] 0 to 100% **[255]**
		14	0-255	WHITE [PIXEL #3] 0 to 100% **[0]**

MODE / CHANNEL			VALUE	FUNCTION
BASIC CH: 16	STANDARD CH: 18	EXTEND CH: 78		
		15	0-255	RED [PIXEL #4]
				0 to 100% **[255]**
		16	0-255	GREEN [PIXEL #4]
				0 to 100% **[255]**
		17	0-255	BLUE [PIXEL #4]
				0 to 100% **[255]**
		18	0-255	WHITE [PIXEL #4]
				0 to 100% **[0]**
		19	0-255	RED [PIXEL #5]
				0 to 100% **[255]**
		20	0-255	GREEN [PIXEL #5]
				0 to 100% **[255]**
		21	0-255	BLUE [PIXEL #5]
				0 to 100% **[255]**
		22	0-255	WHITE [PIXEL #5]
				0 to 100% **[0]**
		23	0-255	RED [PIXEL #6]
				0 to 100% **[255]**
		24	0-255	GREEN [PIXEL #6]
				0 to 100% **[255]**
		25	0-255	BLUE [PIXEL #6]
				0 to 100% **[255]**
		26	0-255	WHITE [PIXEL #6]
				0 to 100% **[0]**
		27	0-255	RED [PIXEL #7]
				0 to 100% **[255]**
		28	0-255	GREEN [PIXEL #7]
				0 to 100% **[255]**
		29	0-255	BLUE [PIXEL #7]
				0 to 100% **[255]**
		30	0-255	WHITE [PIXEL #7]
				0 to 100% **[0]**
		31	0-255	RED [PIXEL #8]
				0 to 100% **[255]**
		32	0-255	GREEN [PIXEL #8]
				0 to 100% **[255]**
		33	0-255	BLUE [PIXEL #8]
				0 to 100% **[255]**
		34	0-255	WHITE [PIXEL #8]
				0 to 100% **[0]**

MODE / CHANNEL			VALUE	FUNCTION
BASIC CH: 16	STANDARD CH: 18	EXTEND CH: 78		
		35	0-255	RED [PIXEL #9]
				0 to 100% **[255]**
		36	0-255	GREEN [PIXEL #9]
				0 to 100% **[255]**
		37	0-255	BLUE [PIXEL #9]
				0 to 100% **[255]**
		38	0-255	WHITE[PIXEL #9]
				0 to 100% **[0]**
		39	0-255	RED [PIXEL #10]
				0 to 100% **[255]**
		40	0-255	GREEN [PIXEL #10]
				0 to 100% **[255]**
		41	0-255	BLUE [PIXEL #10]
				0 to 100% **[255]**
		42	0-255	WHITE [PIXEL #10]
				0 to 100% **[0]**
		43	0-255	RED [PIXEL #11]
				0 to 100% **[255]**
		44	0-255	GREEN [PIXEL #11]
				0 to 100% **[255]**
		45	0-255	BLUE [PIXEL #11]
				0 to 100% **[255]**
		46	0-255	WHITE [PIXEL #11]
				0 to 100% **[0]**
		47	0-255	RED [PIXEL #12]
				0 to 100% **[255]**
		48	0-255	GREEN [PIXEL #12]
				0 to 100% **[255]**
		49	0-255	BLUE [PIXEL #12]
				0 to 100% **[255]**
		50	0-255	WHITE [PIXEL #12]
				0 to 100% **[0]**
		51	0-255	RED [PIXEL #13]
				0 to 100% **[255]**
		52	0-255	GREEN [PIXEL #13]
				0 to 100% **[255]**
		53	0-255	BLUE [PIXEL #13]
				0 to 100% **[255]**
		54	0-255	WHITE [PIXEL #13]
				0 to 100% **[0]**

MODE / CHANNEL			VALUE	FUNCTION
BASIC CH: 16	**STANDARD CH: 18**	**EXTEND CH: 78**		
		55	0-255	RED [PIXEL #14]
				0 to 100% **[255]**
		56	0-255	GREEN [PIXEL #14]
				0 to 100% **[255]**
		57	0-255	BLUE [PIXEL #14]
				0 to 100% **[255]**
		58	0-255	WHITE [PIXEL #14]
				0 to 100% **[0]**
		59	0-255	RED [PIXEL #15]
				0 to 100% **[255]**
		60	0-255	GREEN [PIXEL #15]
				0 to 100% **[255]**
		61	0-255	BLUE [PIXEL #15]
				0 to 100% **[255]**
		62	0-255	WHITE [PIXEL #15]
				0 to 100% **[0]**
		63	0-255	RED [PIXEL #16]
				0 to 100% **[255]**
		64	0-255	GREEN [PIXEL #16]
				0 to 100% **[255]**
		65	0-255	BLUE [PIXEL #16]
				0 to 100% **[255]**
		66	0-255	WHITE [PIXEL #16]
				0 to 100% **[0]**
	7	67		COLOR TEMP
			8-255	2,700K -7,000K **[127]**

MODE / CHANNEL			VALUE	FUNCTION
BASIC CH: 16	**STANDARD CH: 18**	**EXTEND CH: 78**		
6	8	68		COLOR PRESETS
			0	OFF **[0]**
			1-4	COLOR PRESET 01
			5-8	COLOR PRESET 02
			9-12	COLOR PRESET 03
			13-16	COLOR PRESET 04
			17-20	COLOR PRESET 05
			21-24	COLOR PRESET 06
			25-28	COLOR PRESET 07
			29-32	COLOR PRESET 08
			33-36	COLOR PRESET 09
			37-40	COLOR PRESET 10
			41-44	COLOR PRESET 11
			45-48	COLOR PRESET 12
			49-52	COLOR PRESET 13
			53-56	COLOR PRESET 14
			57-60	COLOR PRESET 15
			61-64	COLOR PRESET 16
			65-68	COLOR PRESET 17
			69-72	COLOR PRESET 18
			73-76	COLOR PRESET 19
			77-80	COLOR PRESET 20
			81-84	COLOR PRESET 21
			85-88	COLOR PRESET 22
			89-92	COLOR PRESET 23
			93-96	COLOR PRESET 24
			97-100	COLOR PRESET 25
			101-104	COLOR PRESET 26
			105-108	COLOR PRESET 27
			109-112	COLOR PRESET 28
			113-116	COLOR PRESET 29
			117-120	COLOR PRESET 30
			121-124	COLOR PRESET 31
			125-128	COLOR PRESET 32

MODE / CHANNEL			VALUE	FUNCTION
BASIC CH: 16	STANDARD CH: 18	EXTEND CH: 78		
				COLOR PRESETS [continued]
			129-132	COLOR PRESET 33
			133-136	COLOR PRESET 34
			137-140	COLOR PRESET 35
			141-144	COLOR PRESET 36
			145-148	COLOR PRESET 37
			149-152	COLOR PRESET 38
			153-156	COLOR PRESET 39
			157-160	COLOR PRESET 40
			161-164	COLOR PRESET 41
			165-168	COLOR PRESET 42
			169-172	COLOR PRESET 43
			173-176	COLOR PRESET 44
			177-180	COLOR PRESET 45
			181-184	COLOR PRESET 46
			185-188	COLOR PRESET 47
6	8	68	189-192	COLOR PRESET 48
			193-196	COLOR PRESET 49
			197-200	COLOR PRESET 50
			201-204	COLOR PRESET 51
			205-208	COLOR PRESET 52
			209-212	COLOR PRESET 53
			213-216	COLOR PRESET 54
			217-220	COLOR PRESET 55
			221-224	COLOR PRESET 56
			225-228	COLOR PRESET 57
			229-232	COLOR PRESET 58
			233-236	COLOR PRESET 59
			237-240	COLOR PRESET 60
			241-244	COLOR PRESET 61
			245-248	COLOR PRESET 62
			249-252	COLOR PRESET 63
			253-255	COLOR PRESET 64

MODE / CHANNEL			VALUE	FUNCTION
BASIC CH: 16	STANDARD CH: 18	EXTEND CH: 78		
7	9	69		SHUTTER / STROBE
			0-31	LED OFF
			32-63	LED ON
			64-95	Strobe Effect SLOW to FAST
			96-127	LED ON
			128-159	Pulse Effect in Sequences
			160-191	LED ON
			192-223	Random Strobe Effect SLOW to FAST
			224-255	LED ON [255]
8	10	70	0-255	DIMMER INTENSITY
				Dimmer 0 to 100% [0]
9	11	71	0-255	DIMMER INTENSITY FINE
				Dimmer FINE Adjustment [0]
10	12	72	0-255	ZOOM
				Zoom 0% (7 Degrees) to 100% (42 Degrees) [127]
11	13	73		PROGRAM MACROS NOTE: Color Must Be Selected To Engage Macros.
			0	LEDs ON [0]
			1-14	LEDs OFF
			15-30	PROGRAM MACRO 01
			31-46	PROGRAM MACRO 02
			47-62	PROGRAM MACRO 03
			63-78	PROGRAM MACRO 04
			79-94	PROGRAM MACRO 05
			95-110	PROGRAM MACRO 06
			111-126	PROGRAM MACRO 07
			127-142	PROGRAM MACRO 08
			143-158	PROGRAM MACRO 09
			159-174	PROGRAM MACRO 10
			175-190	PROGRAM MACRO 11
			191-206	PROGRAM MACRO 12
			207-222	PROGRAM MACRO 13
			223-238	PROGRAM MACRO 14
			239-255	PROGRAM MACRO 15
12	14	74	0-255	PROGRAM MACRO SPEED
				SLOW to FAST Speed [0]
13	15	75		PROGRAM MACRO FADE
			0	OFF [0]
			1-255	LESS to MORE FADE

| MODE / CHANNEL			VALUE	FUNCTION
BASIC CH: 16	**STANDARD CH: 18**	**EXTEND CH: 78**		
14	16	76		DIMMING CURVE MODES
			0-20	STANDARD **[20]**
			21-40	STAGE
			41-60	TV
			61-80	ARCHITECTURAL
			81-100	THEATRE
			101-255	Default to Unit Setting
15	17	77		TILT MOVEMENT SPEED
			0-225	MAX to MIN SPEED **[0]**
			226-235	Blackout By Movement
			236-255	NO FUNCTION
16	18	78		LAMP ON/OFF, RESET, INTERNAL PROGRAMS
			0-79	Normal
			80-84	ALL Motor Reset
			85-99	NO FUNCTION
			100-119	Internal Program 1 (scene1~8)
			120-139	Internal Program 2 (scene9~16)
			140-159	Internal Program 3 (scene17~24)
			160-179	Internal Program 4 (scene25~32)
			180-199	Internal Program 5 (scene33~40)
			200-219	Internal Program 6 (scene41~48)
			220-239	Internal Program 7 (scene49~56)
			240-255	NO FUNCTION **[255]**

PIXEL CONTROL

The starting pixel position can be flipped to the opposite side of the fixture by selecting
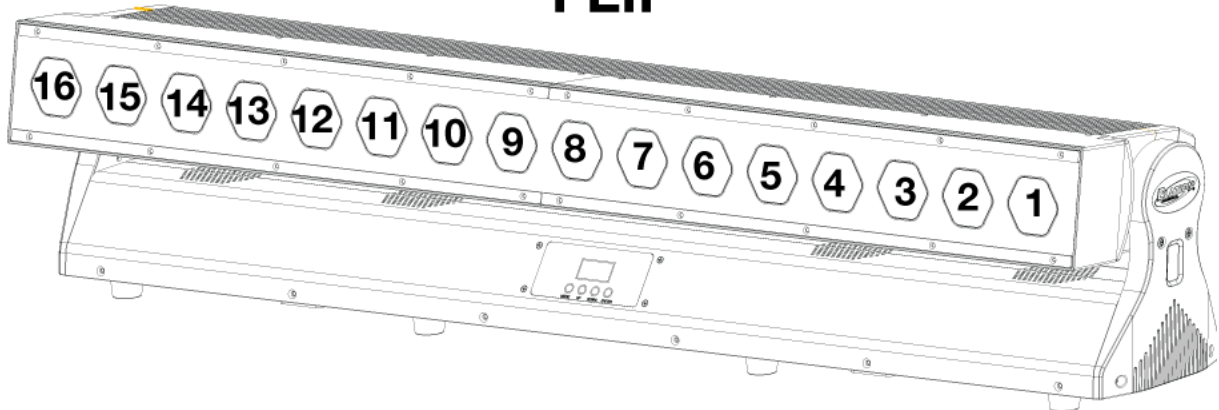FLIP mode in the FUNCTION / PIXEL sub menu from the control panel.
The fixture features full pixel control in Extended DMX channel mode.
Diagram below illustrates the specific pixel mapping order for both modes.

STANDARD
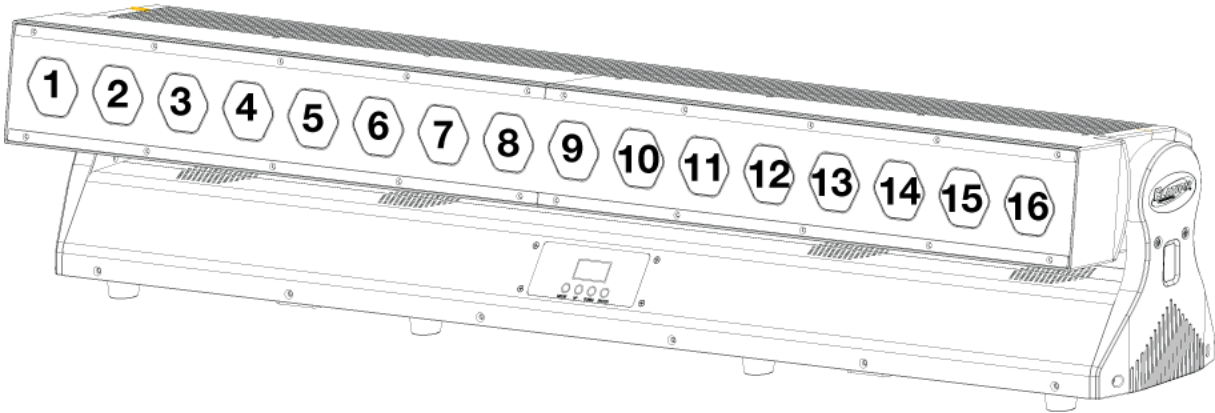
FLIP

TECHNICAL SPECIFICATIONS

SOURCE
(16) 40W 4-in-1 RGBW LEDs
50,000 Hour Average LED Life*
*May vary depending on several factors including but not limited to: Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control and Dimming.

PHOTOMETRIC DATA
5,700+ Total Lumens
20,478 LUX 1903 FC @16.4 ft (5m) (Full ON (4° Min Zoom)
570 LUX 53 FC @16.4 ft (5m) (Full ON (37° Max Zoom)
Zoom Range 4° - 40°
Beam Angle 4.6° - 37.8°
Field Angle 7.8° - 54.4°

EFFECTS
Motorized Zoom and 220° Tilt Movement
RGBW Color Mixing and Full Pixel Control
2,700K - 7,000K Linear Color Temperature Range
64 Color Presets and 14 Unique Color Macros
Electronic Strobe, 16-bit Variable Dimming Curve Modes

COLOR
RGBW

CONTROL / CONNECTIONS
3 DMX Channel Modes (78 total channels)
DMX, RDM, Kling-Net, and Art-Net Protocol Support
Adjustable LED Refresh Rate (900-25,000 Hz)
Adjustable LED Gamma Brightness (2.0, 2.2, 2.4, 2.8)
4 Button Touch Control Panel
180° Reversible LCD Menu Display
8 / 16-Bit Resolution Zoom and Tilt Movement
5pin DMX In/Out
RJ45 Ethernet In/Out
Locking Power Cable In/Out
With Wired Digital Communication Network

SIZE / WEIGHT
Length: 42.05" 1068mm)
Width: 7.44" (189mm)
Vertical Height: 11.46" (291mm)
Weight: 47.0 lbs (21.3 kg)

ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
739W Max Power Consumption
5°F to 113°F (-15°C to 45°C)
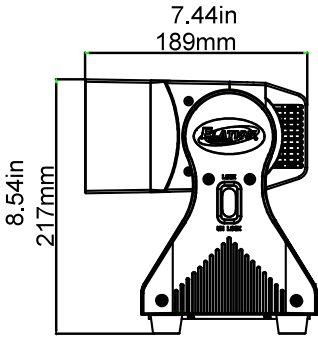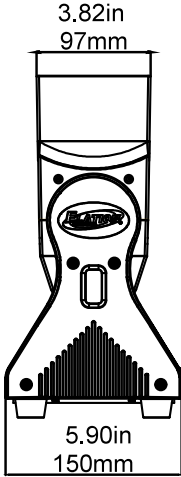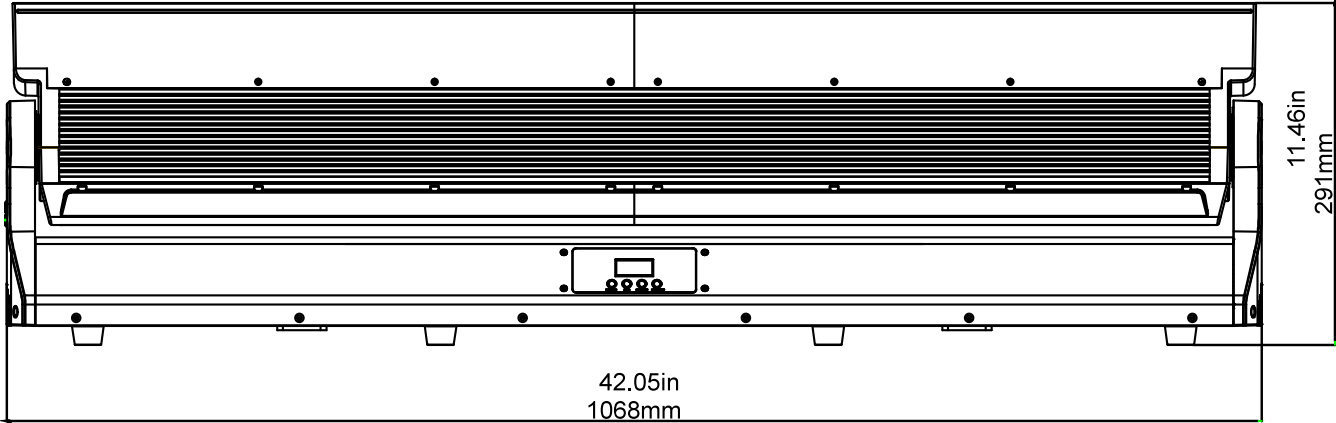BTU/hr (+/- 10%) 2519.99

APPROVALS / RATINGS

CE | IP30   ℅ ⒺⓉⓁᵤₛ
Intertek
4010765

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

DIMENSIONAL DRAWINGS

11.46in
291mm

42.05in
1068mm

3.82in
97mm

7.44in
189mm

8.54in
217mm

5.90in
150mm

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
DRCCL16	9-Pack Road Case for Chorus Line 16
NARROW CLAMP	Heavy Duty Wrap Around Hook Style Clamp
SCABLE 60	60 lbs. Rating 24 Inch Safety Cable
AC5PDMX5PRO	5 ft. (1.5m) 5pin PRO DMX Cable
PLC3	3 ft. (1m) PRO Link Cable
	Additional Cable Lengths Available

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.