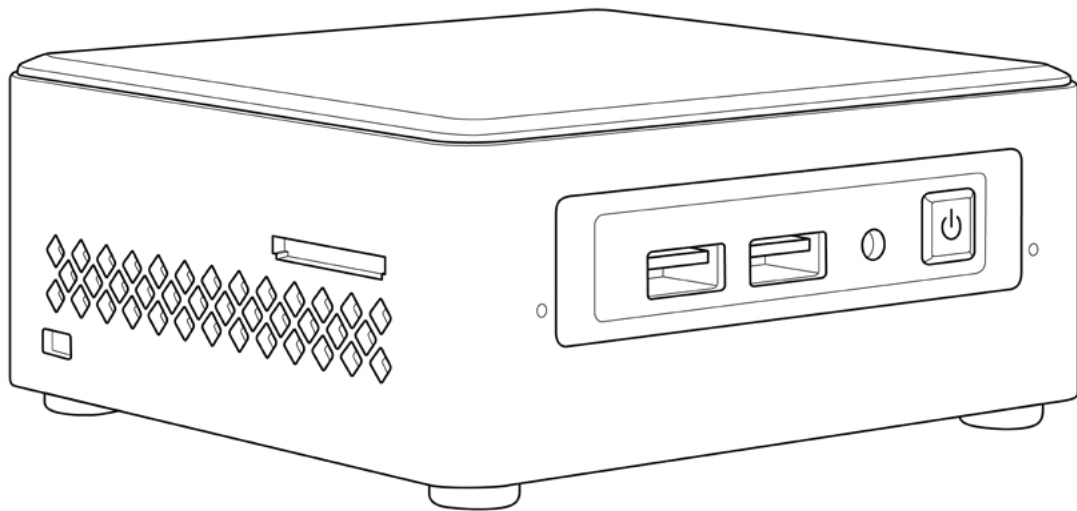


AURORA RASE

Powered by Limbic Media



USER MANUAL

For Software Version 1.9.0

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INTRODUCTION

Aurora SE is a plug-and-play sound reactive lighting controller. Aurora analyzes audio in real-time to generate dynamic lighting designs.

Innovate in your industry. Public spaces are seeking new ways to connect people in an increasingly digital world. Choose sophisticated interactive lighting that engages audiences and positions you as an innovator.

Connect people. Spark deeper connections with a “heads-up” social platform. Encourage audiences to create lasting memories with their voices, motions, and social media interactions. Increase visitor turnout and keep audiences coming back for more.

Avoid unnecessary costs and steep learning curves. Nobody should have to hire programming experts to create memorable experiences. Aurora creates interactive lighting out-of-the-box. Easily customize lighting effects using the Aurora Mobile App. Reconfigure the platform to reinvent displays year after year.

The Aurora SE Manual is designed for non-technical users installing interactive lighting for the first time, as well as experienced technicians integrating Aurora SE with protocols like DMX 512, KiNET or Art-Net.

GUIDE OVERVIEW

The Aurora SE Manual describes:

- How to navigate the Aurora SE connector interface
- Basic installation preparations
- How to set up typical Aurora SE lighting configurations
- How to upgrade Aurora SE software
- Aurora SE Specifications, best practices, and troubleshooting

Pro-Tip:

Reading the **Aurora SE Quick Start Guide** is highly recommended before reading this manual.

Questions?

Additional support for Aurora SE is available at support.limbicmedia.ca or contact support@limbicmedia.ca

View other documents at support.limbicmedia.ca/guidesmanuals/

ABOUT AURORA SE

Features

- Portable lighting controller
- Uses patented sound-responsive algorithms
- Creates 2D and 3D-mapped patterns
- Offers easy pattern and palette based customization from the free Aurora Mobile App or using DMX control
- Available line-in and mic level audio input devices
- Controls up to 25,000 LED pixels

LED Fixture Types Supported

Aurora SE primarily uses NDBs (Network Distribution Boxes) to control LED pixel strands. Installers can take advantage of our extensive catalog of LED fixtures and accessories to scale up installation. Refer to the Aurora Product Guide for a detailed list.

Aurora SE supports other lighting equipment using industry standard protocols such as DMX512, ArtNet¹, sACN¹, or KiNet¹ LED fixtures. These can be used alone or in conjunction with natively supported LED fixtures.

Maximum Lights Supported

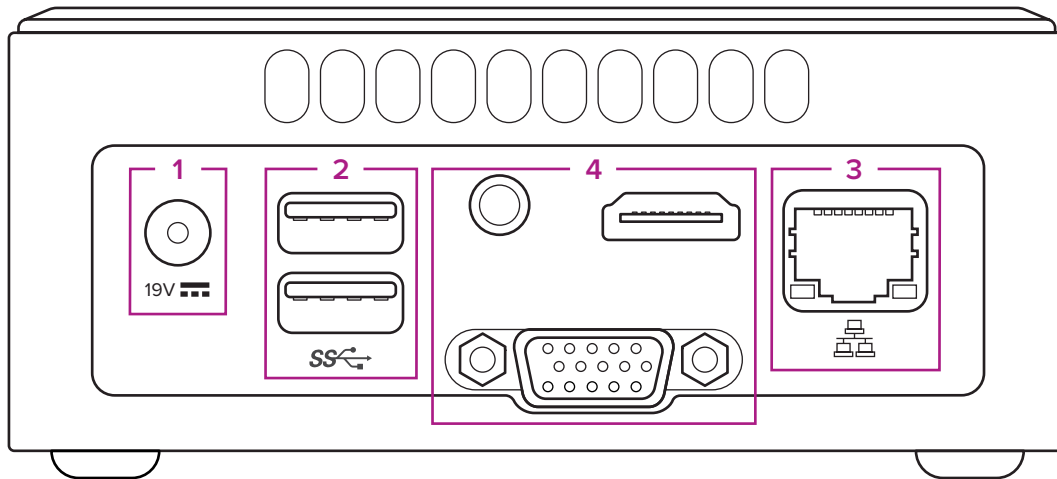
Control up to 25,000 LED pixels using NDBs and natively supported LED fixtures.

Refer to Aurora SE Power Best Practices Appendix to troubleshoot LED pixel constraints.

¹Contact Limbic Media for details.

AURORA SE CONNECTOR INTERFACE

The Aurora SE connector interface allows for the connection of power, sound interfaces, and lighting control interfaces.



1. Power connector

The Power Connector is used to connect Aurora SE to its 19V power supply.

2. USB Connectors

Aurora SE has four USB Ports, two on the back and two on the front. The USB ports are used to connect Aurora SE to external sound interfaces, and external lighting interfaces. They can also be used to charge a mobile device in a pinch.

3. Ethernet Connector

The Ethernet Connector is used to connect Aurora SE to NDBs in order to control LED pixels.

4. Unused

² THRU is labeled OUT on older models of Aurora

PREPARE FOR AN INSTALLATION

It is important to plan your lighting configuration before installing Aurora SE. Ensure all fixtures are accounted for prior to installing. Connecting and testing configurations in an accessible area prior to final installation is highly recommended.

Included Components

- Aurora SE
- 120VAC to 19VDC Power adapter
- Aurora SE Quick Start Guide

Power Aurora SE ON/OFF

Required Components

- Aurora SE
- 120 VAC to 19 VDC Power adapter

Method

1. Connect the included 19 VDC power supply to Aurora SE's Power Connector
2. Plug the 19 VDC power supply into a 120 VAC power source
3. Wait 60s for Aurora SE to power ON
4. Disconnect the 19 VDC power supply from AC power to power Aurora SE OFF

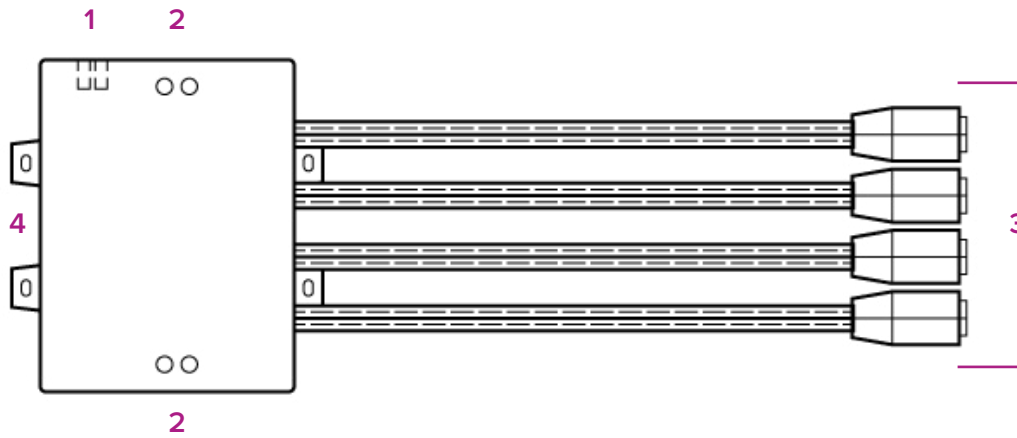
NDB Basics

NDBs (Network Distribution Boxes) allow Aurora SE to control LED pixels. Most Aurora SE Installations will primarily use NDBs to drive their LED pixels, so understanding how they work is an important first step to setting up your Aurora SE installation.

NDBs accept lighting data from Aurora, and power from a 12VDC or 24VDC power supply. They distribute power and data across their 16 ports in order to provide power and a control signal to each LED pixel strand. NDBs can be used with or without power top ups or smart Ts to achieve a variety of configurations that can be tailored to any environment.

Caution:

Do not connect LED pixels while the NDB is connected to power.



1. Ethernet Port
2. Power supply terminals
3. LED Ports
4. Reset button

Caution:

Make sure your power supply output voltage matches the voltage required by your LED pixels.

LED Pixel Constraints

NDBs can drive a limited number of LED pixels. This limitation depends on a number of factors. Be aware of your system’s limitations while you install.

NDB Data Limitations

Due to data limitations, NDBs can control an absolute maximum of 1000 LED pixels.

NDB Port Limits

NDP Ports have a maximum number of lights that they can support. If your NDB is in 16-Port mode, as it comes from the factory, it can support a maximum of 230 pixels per port. If it is in 8-port mode, it can support a maximum of 460 LED pixels per port.

Voltage Drop

Due to the voltage drop along a strand of LED pixels, the maximum length of a run of LED pixels is governed by its length, or by its number of LED pixels, whichever comes first. The maximum number of LED pixels is 80 pixels / 80ft for Triklit style fixtures, or 100 pixels / 100ft for all other fixtures. These runs can be extended using Power Top-Ups to achieve the maximum lights per port specified under the previous heading. Keep in mind that if you are installing a leader cable run longer than 15’, you will need to make use of a send/receive pair and a 4-pin leader cable to avoid data degradation.

Power Supply

When installed correctly, each NDB is paired with a power supply and a set of LED pixels. The Power Supply should always be able to supply more power than the LED pixels draw. For most 12 V systems, each LED pixel will draw 30 mA or 0.03 A. Here's an example calculation that shows how many LED pixels you can run using a 16 A Power Supply.

Convert amps to milliamps	>	16 A = 16000 mA
Calculate max pixel count	>	16000 mA / 30 mA/pixel = 533.3
Calculate safety margin	>	533 pixels - 25% = 400 pixels

So, for this example, our 16 A Power Supply can drive up to 533 pixels, however, it's important to leave yourself some wiggle room to account for unforeseen circumstances. We suggest leaving a 25% safety margin, therefore, we would suggest loading your 16A power supply with no more than 400 LED pixels. Refer to the Aurora SE Power Best Practices section of this manual for more information.

Reset an NDB

NDBs have a reset button which is accessible using a paperclip or other thin cylindrical tool. It is located in the center of the face opposite to the 16 RGB connectors. Pressing this button for different amounts of time will have different effects.

- **Reboot:**
0 - 1 second. This may be required to make NDBs discoverable on a network, or to lock in configuration changes.
- **Network configuration reset:**
1 - 5 seconds. This resets the NDB's network settings, including the IP address which gets reset to 10.0.0.100.
- **Network and lighting config reset:**
5+ seconds. The network settings are reset as in the last point, and the lights per node and number of smart-Ts are reset to factory settings.

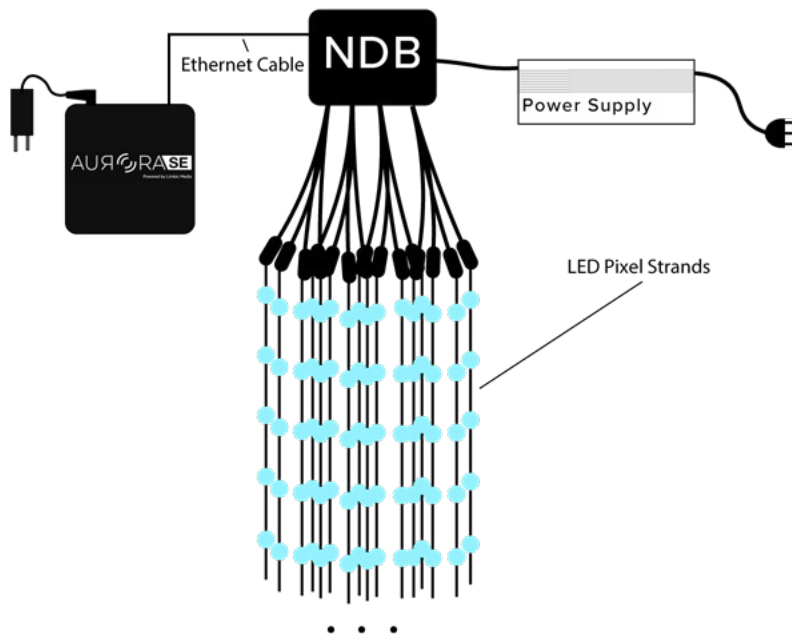
INSTALLING AURORA SE

Aurora SE can be installed in a variety of configurations depending on the number and arrangement of LED pixels. It is highly recommended to test your Aurora system in an accessible area before performing the final installation.

Install Aurora SE with a Single NDB

Required Components

- Aurora SE
- Mobile Device
- Leader Cables (Optional)
- LED Pixels Strands
- Ethernet Cable
- NDB
- 12V or 24V Power Supply



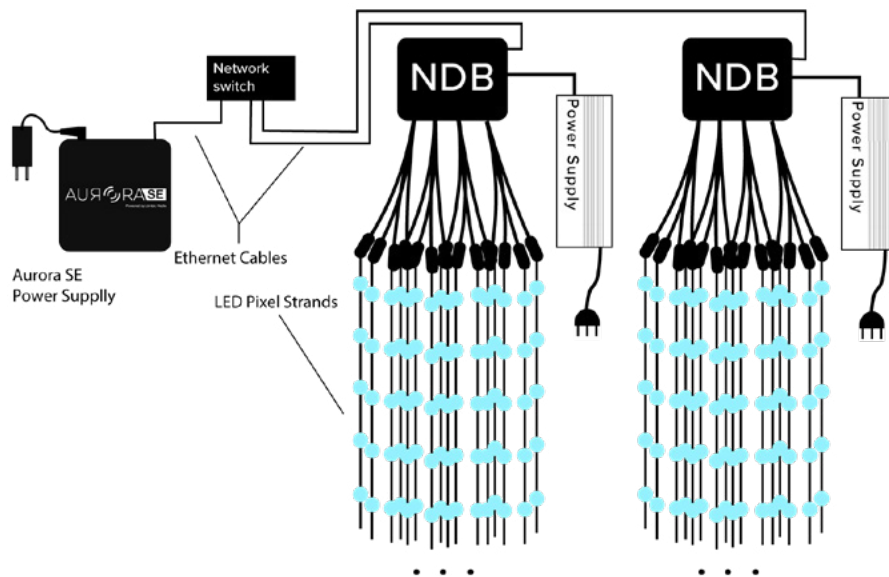
Method

1. Connect the NDB to an NDB power supply.
2. Connect the NDB to Aurora SE using an Ethernet Cable
3. Connect leader cables to each NDB port (optional).
4. Connect LED pixel strands to each leader cable (or to each NDB port if leader cables are not used).
5. In the Aurora Mobile App, navigate to *device settings > protocols > NDB* and refresh the NDB list to gain access to your NDBs configuration settings.
6. Configure the NDB, Audio Settings, and customize your light show using the Aurora Mobile App. Refer to the Aurora Mobile App Manual for more details.

Install Aurora SE with Multiple NDBs

Required Components

- Aurora SE
- Mobile Device
- Leader Cables (optional)
- LED Pixel Strands
- Network Switch
- Ethernet cable
- NDBs
- NDB Power Supply



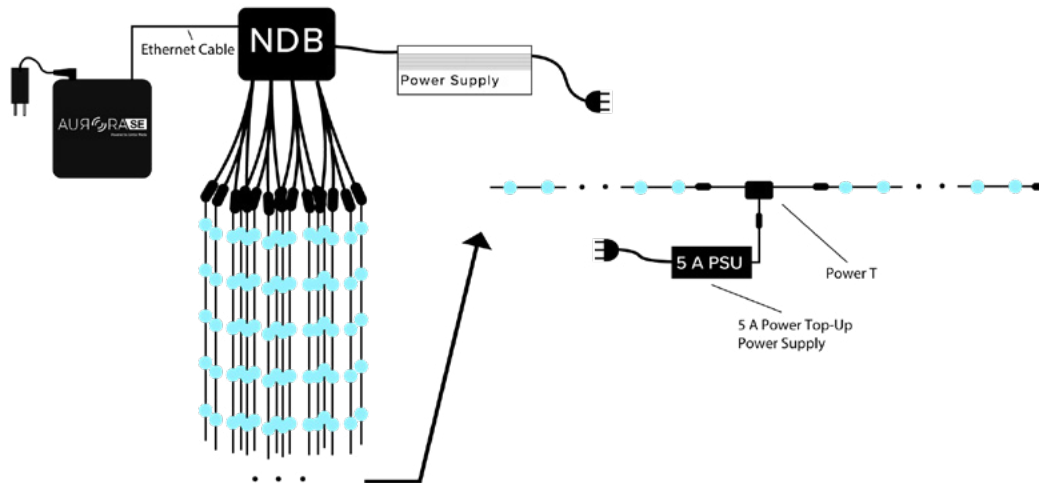
Method

1. Connect each NDB to an NDB power supply.
2. Connect Aurora SE to an Ethernet Switch using an Ethernet Cable
3. Connect leader cables to each NDB port (optional).
4. Connect LED pixel strands to each leader cable (or to each NDB port if leader cables are not used).
5. Power ON your system.
6. Reset your NDBs' network settings. This will change its IP address to the factory setting, 10.0.0.100. Refer to Reset an NDB for more details.
7. On your mobile device, connect the Aurora mobile App to your Aurora and enable Auto IP Configuration in the NDB protocol menu. Refer to the Aurora Mobile App Manual for more details.
8. Connect one NDB to the Network Switch using an Ethernet Cable
9. Wait until the Aurora Mobile App displays an IP address not equal to 10.0.0.100 for the NDB you just plugged in.
10. Repeat steps 8 and 9 until all of your NDB are plugged in and have unique IP addresses.
11. Configure NDBs, Audio Settings, and customize your light show using the Aurora Mobile App. Refer to the Aurora Mobile App Manual for more details.

Install Aurora SE with NDBs and Power Top-Ups

Required Components

- Aurora SE with NDB(s)
- LED Pixel Strands
- Power T(s)
- 5 A Power Top-Ups



Method

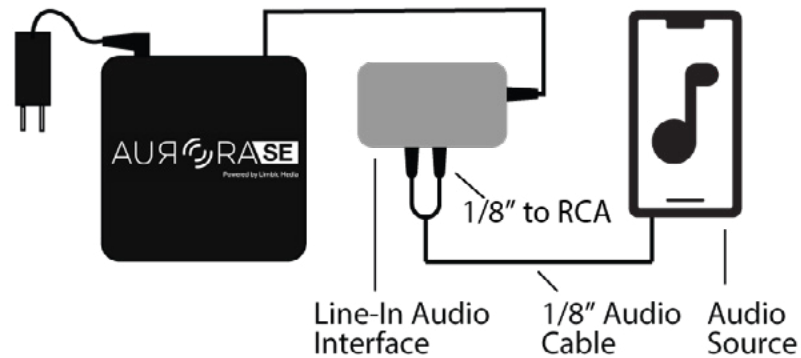
1. Install Aurora SE with NDB(s) using the instructions in the previous sections
2. Power Aurora and all power supplies off.
3. Connect each Power T to a Power Top-Up
4. Connect the Power Ts and Power Top-Up(s) to the end of each LED pixel strand installed in step 1.
5. Connect additional LED pixel strands to the Power Ts installed in the last step.
6. Connect additional Power Ts, Power Top-Ups, and LED pixel strands as required. Make sure not to exceed 80-100 LED pixels per Power Top-Up.
7. Power Aurora SE and all Power Supplies ON.
8. Configure NDBs, audio settings, and customize your light show using the Aurora Mobile App. Refer to the Aurora Mobile App Manual for more details.

CONNECT AND CALIBRATE AUDIO INPUTS

Connect Aurora SE to a Consumer Audio Device

Required Components

- Aurora SE
- External Line-in Audio Device
- 1/8" to RCA Adapter
- 1/8" Audio Cable



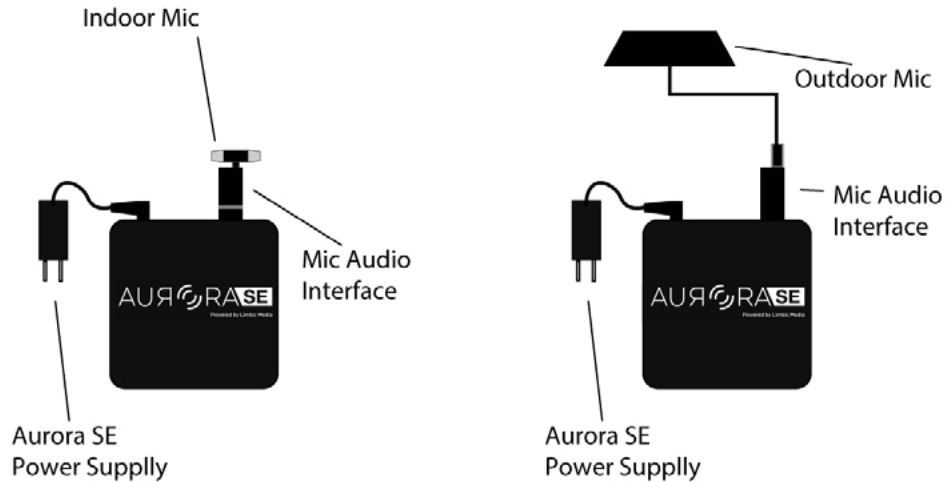
Method

1. Connect the External Line-in Audio Device to one of Aurora SE's USB Ports.
2. Connect the 1/8" to RCA Adapter to the External Line-in Device's RCA input ports.
3. Connect your Audio device to the 1/8" to RCA Adapter using an 1/8" Audio Cable.
4. Calibrate audio settings using the Aurora Mobile App. Refer to the Aurora Mobile App Manual for more details.

Connect Aurora SE to a Microphone

Required Components

- Aurora SE
- External Mic Audio Interface
- Indoor or Outdoor Mic



Method

1. Connect the External Mic Audio Device to one of Aurora SE's USB Ports. For use in tight spaces, make use of the External Mic Audio Device's included USB extender to place the mic in a more convenient location.
2. Connect the Indoor or Outdoor Mic to the External Mic Audio Device.
3. Calibrate audio settings using the Aurora Mobile App. Refer to the Aurora Mobile App Manual for more details.

USING DMX 512 WITH AURORA

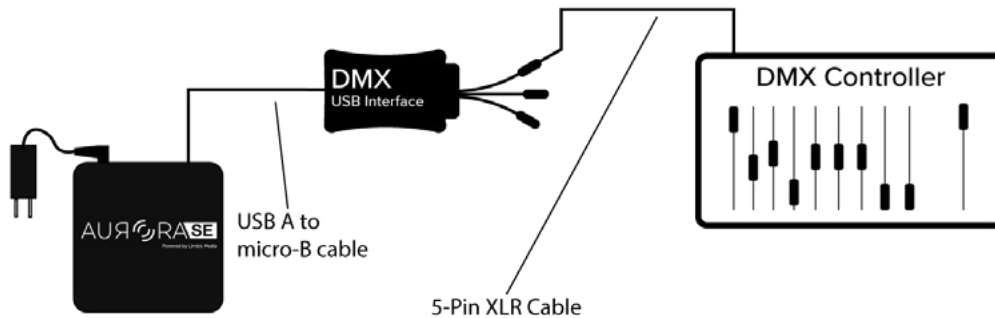
Aurora SE is compatible with DMX 512, both to be used as a fixture (DMX IN), and to control other fixtures (DMX OUT).

Set Up DMX IN

Aurora SE's DMX IN function allows Aurora to act as a DMX fixture. Aurora SE has 9 DMX IN channels. Refer to the **Aurora DMX Specification Appendix** for more details on each channel's control parameter.

Required Components

- Aurora SE
- EntTec Device: DMX USB Pro Mk 2
- DMX Controller
- 5-pin XLR Cable
- USB A to USB Micro-B Cable



Method

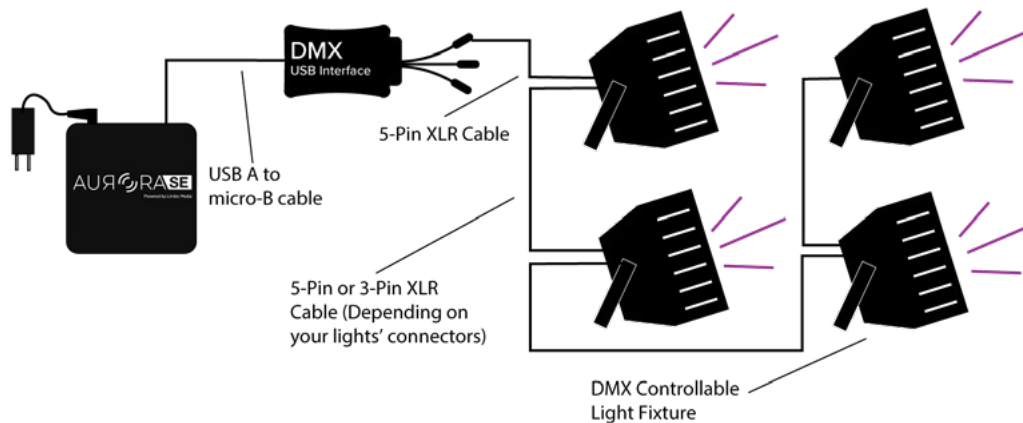
1. Connect the EntTec Device to Aurora SE using the USB A to USB Micro-B Cable.
2. Connect the DMX Controller to the EntTec Device (DMX 1) using the 5-pin XLR Cable. If your DMX Controller only has a three pin XLR output, you will need to use a 3-pin to 5-pin adapter to make this connection.
3. Use the Aurora Mobile App to enable DMX IN and to set Aurora's base address. Refer to the Aurora Mobile App Manual for more details.
4. Use the DMX Controller to control Aurora's library of lighting parameters. Refer to the Aurora DMX Specification Appendix for more details.

Set Up DMX OUT

Aurora SE's DMX OUT function allows it to control up to one universe of DMX fixtures that have independent dimming channels for each colour Red, Green and Blue (an RGB fixture). That way, it harnesses the power of DMX controllable light fixtures to create more powerful RGB pixels. Aurora can also control RGBW, RGBA, and RGBAW fixtures, as well as other fixtures, including panning and tilting fixtures, however, Aurora deals with these fixtures by setting all channels except for the Red Green and Blue channels to a static value. Only the Red Green and Blue channels are dynamically controlled.

Required Components

- Aurora SE
- EntTec Device: DMX USB Mk 2
- DMX Fixtures with RGB Addresses
- 5-pin XLR Cable
- USB A to USB Micro-B Cable



Method

1. Connect the EntTec Device to Aurora SE using the USB A to USB Micro-B cable.
2. Configure your DMX fixtures so they have sequential addresses that don't overlap. For example, if you have generic RGB fixtures (3 addresses per fixture), set the first fixture to address 1, set the second fixture to address 4, and so on.
3. Connect your DMX fixtures to the EntTec Device (DMX 2) using the 5-pin XLR Cable. If your fixtures only have 3-pin XLR ports, you will have to use a 3-pin to 5-pin adapter to make this connection.
4. Use the Aurora Mobile App to configure Aurora SE to control your fixtures. Refer to the Aurora Mobile App Manual for more details.

UPGRADE AURORA SE SOFTWARE

Update Aurora SE's software with an Aurora Package to Unlock new patterns, palettes, and other functionality. Check your current software version in the Mobile App's Device Information page to see if it is up to date.

Required Components

- Aurora SE
- Computer
- USB drive
- Aurora Package file

Method

1. Ensure your USB Drive is formatted Fat32
2. Go to support.limbicmedia.ca and navigate to Software Updates SE.
3. Select Aurora Package to download the update

Aurora SE Package

4. Put the .aur2 file on the USB drive.
5. Power Aurora SE OFF.
6. Insert the USB Drive into any of Aurora SE's USB Ports.
7. Power Aurora SE ON.
8. Wait until Aurora resumes normal operation. This can take up to two minutes.
9. Remove the USB Drive.

APPENDICES

Aurora Terminology

Cues

Cues are specific configurations of a pattern, palette, and parameters that can be saved and played in a Show.

LED Pixels

LED pixels refer to the RGB LED fixtures used in Aurora installations.

Mobile App Connection Modes

AP Mode

AP Mode establishes a one-to-one Wi-Fi connection between Aurora SE and a mobile device.

Station Mode¹²

Station Mode establishes a Wi-Fi connection between Aurora SE and an existing external Wi-Fi network that a mobile device is connected to.

Palette

Palettes are the color schemes Aurora uses in its Patterns.

Parameter

Parameters control features of each pattern and palette such as speed, energy, variance, and decay. Parameters affect each pattern differently.

Pattern

Patterns are the foundation of Aurora lighting design. Patterns uniquely analyze incoming audio data and map the data into specific lighting behavior. Each pattern also reacts differently to lighting parameters. Playing with parameters for each palette is recommended to optimize light shows.

Performance Modes

Performance Modes determine how Aurora lighting data is controlled: in real-time (Live Control Mode), through predefined cue lists (Show Mode), or through third-party lighting protocols, such as DMX 512.

Live Control Mode

Live Control Mode allows users to change patterns, palettes, and parameters in real-time using the Aurora Mobile App.

Show Mode

Show Mode allows users to create and schedule a set of cues.

DMX IN Mode

DMX IN Mode allows users to access the functionality of Live Control Mode via a DMX 512 controller or console. Refer to the **Aurora DMX 512 Specification Appendix** for information.

Shows

A Show is a set of cues played in succession for specific time durations, set to run indefinitely or until an event is registered e.g. silence detection.

¹² Contact Limbic Media for details.

TROUBLESHOOTING

Aurora SE

Issue	Cause(s)	Solution
All lights on a single port turn OFF	Tripped fuse—too much current being pulled	Turn Aurora SE ON/OFF.
Aurora SE is not audio reactive	Wrong mode/Wrong connection	Check if audio reactive mode is ON/OFF on Aurora Mobile App or DMX 512 console/controller. Check if audio is connected to IN 1 or IN 2. Check audio input level on the Audio Control page
Aurora SE is not audio reactive with Auto Gain	Loud audio causes Auto Gain to decrease automatically and requires time to reset to ambient sound levels	Give Aurora SE ~15 seconds of silence to calibrate the Auto-Gain algorithm.

Aurora Mobile App

Issue	Cause(s)	Solution
Aurora SE not appearing on mobile device's Wi-Fi settings	--	Turn Wi-Fi network ON/OFF on the mobile device
Aurora SE not appearing on the Aurora Mobile App's list of devices	--	Close and reopen the Aurora Mobile App. Forget the Aurora network in the mobile device settings and re-find it.
Connecting to Android devices	Android-specific connection issues	Turn mobile data ON/OFF. Turn Bluetooth ON/OFF
Live Control Mode/Show Mode not working	Wrong mode	Ensure that Aurora SE is not in DMX 512 mode (next mode/pattern status LED is yellow in DMX 512 Mode).

Lighting

Issue	Cause(s)	Solution
LEDs flickering	Not enough power	Check power requirements or do end of line voltage testing. Refer to the Aurora SE Power Best Practices Appendix for details.
LEDs stuck on one color	Broken LED Not enough power	Check for broken LEDs. Check power requirements. Refer to the Aurora SE Power Best Practices Appendix for details.
Odd colors appearing on LEDs	Not enough power	Check power requirements. Refer to the Aurora SE Power Best Practices Appendix for details.

AURORA DMX 512 SPECIFICATION

DMX 512 Channel	Value	Function
1	0-255	Brightness
2	0-255	Color Palette Select For an up-to-date list of color palette values refer to latest DMX 512 specification ¹³
3	0-255	Pattern Select For an up-to-date list of patterns refer to latest DMX 512 specification ¹³
4	0-255	Transition Duration
5	0-255	Speed
6	0-255	Energy
7	0-255	Variance
8	0-255	Decay
9	Audio Reactive Mode	Audio Reactive Toggle 1-127
	Non-Audio Reactive Mode	128-255

¹³ <https://support.limbicmedia.ca/guidesmanuals/>

EXTENDED MODES OF INTERACTION

Aurora SE goes beyond just sound-to-light technology. The following features are available for custom integration into an Aurora SE platform. Contact Limbic Media for more information.

Motion Tracking

Modulate lighting displays by integrating motion-tracking technology. Use a camera or sensor to track an audience's energy at a show, or with specifically defined gestures like waving and dancing. Aurora SE translates this motion-based input into its lighting design algorithms.

Voice Recognition

Integrate voice recognition technology into Aurora SE to trigger lighting behavior in response to select words in any language. Say themed words (e.g. snowflake, rain, wind, or candy cane) and see corresponding light effects in real-time. Voice recognition technology is used in Show Me, an interactive content exploration tool ideal for public directories and events.

Social Media Engagement

Integrate an Aurora SE system with social media interaction. Send specifically selected hashtags or @-tags via Instagram and Twitter and see corresponding light effects in real-time.

User-Controlled Tablet App

Put Aurora SE's possibilities in your audience's hands by presenting an installation with a stripped-down version of the Aurora Mobile App. Audiences can adjust Aurora SE's patterns, palettes, and parameters in real-time using a tablet interface, or finger-paint on the screen to create a corresponding light drawing.

Coin Box Integration

Integrate an Aurora SE system with a coin box for charity-based or fundraising installations. Offer donors a reward for their coin donations in the form of a light show. The same integration can apply to a number of other mechanisms, such as letter slots.

AURORA SE SPECIFICATIONS

(SE)

Control

Input	USB DMX interface, USB Audio interface
Output	USB 2.0 Connector 4x, Ethernet connector, USB DMX interface

Electrical

Input Voltage	19 VDC
Max. Input Current	10 A

Physical

Dimensions	115 x 111 x 51 mm (4.53 x 4.37 x 2.01")
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Diagrams are on the next page

Certifications

Environment	Indoor/dry location (Outdoor cases available for outdoor deployment. See the Aurora SEduct Guide for details.)
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Lighting

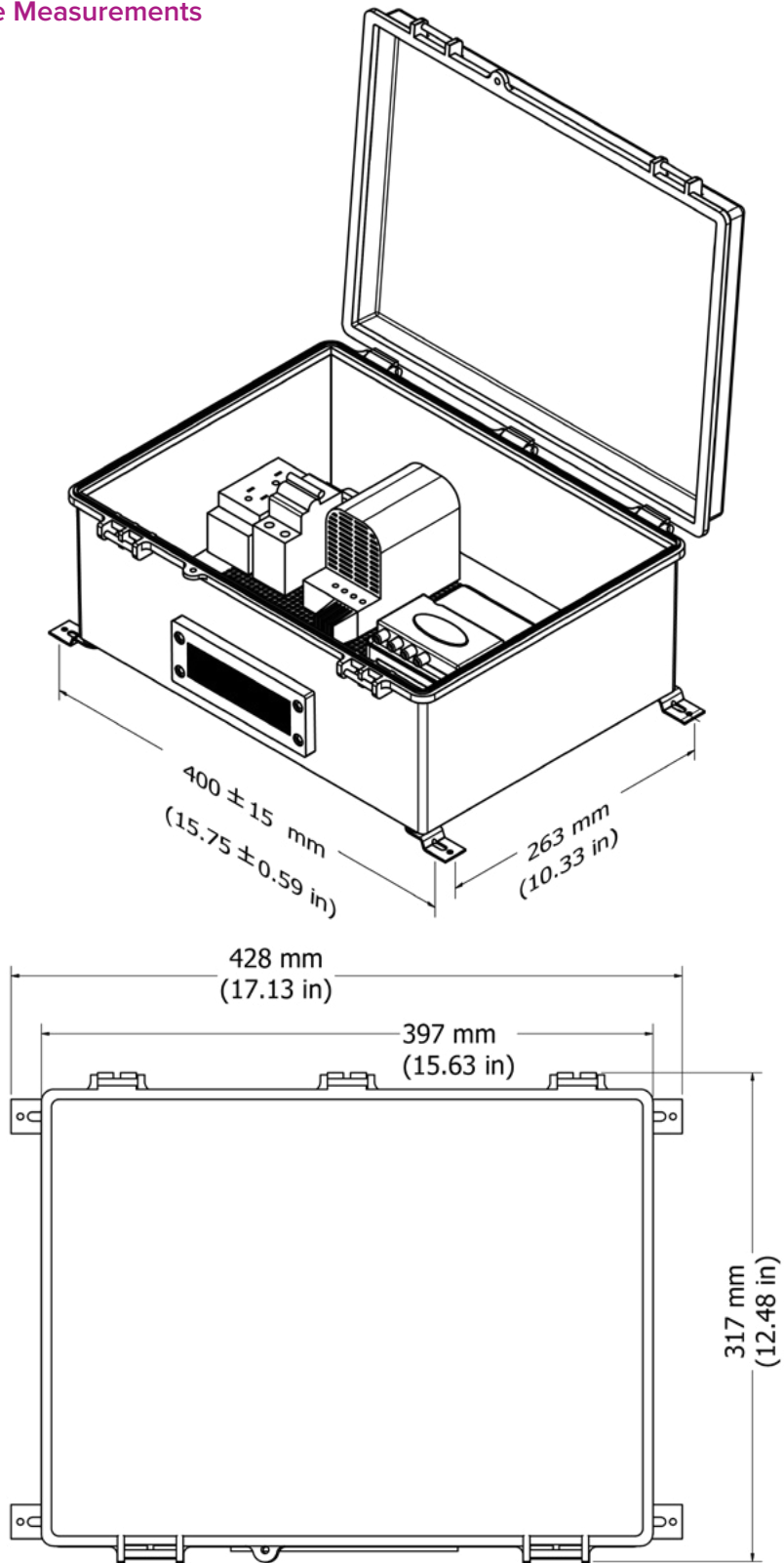
Other light fixtures are compatible using modified versions of the NDB RGB connectors. These reflect general specifications.

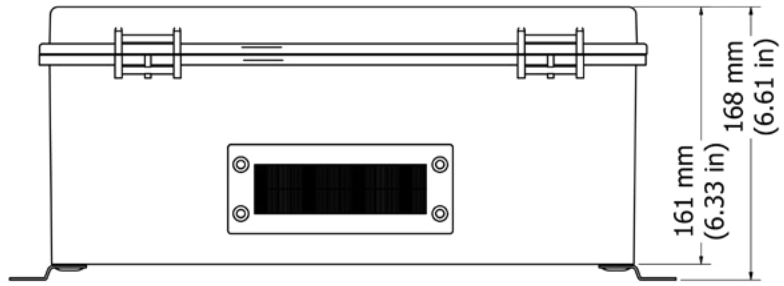
Power	12 V @ 35 mA - 250 mA (depending on fixture)
Lighting Protocols	5 V UCS8903 (16 bits per channel addressing), 5 V WS2811x chip family

Housing

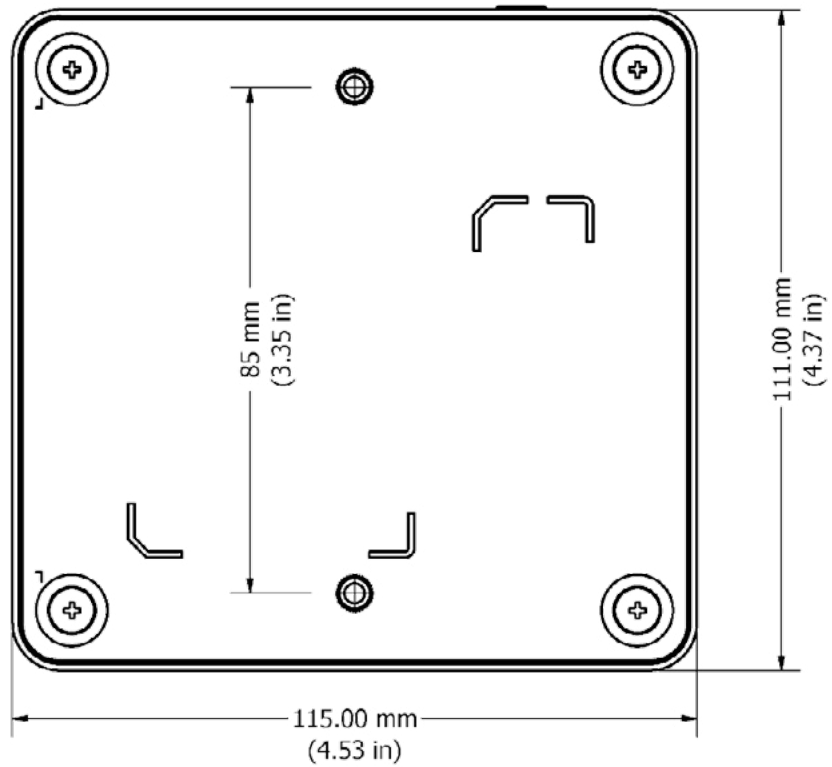
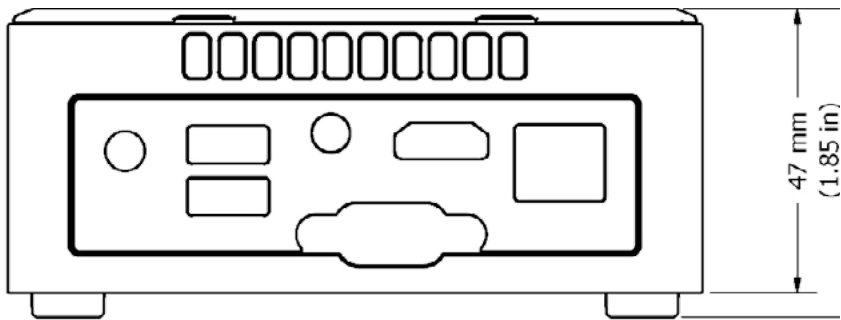
Operating Temperature	-20° - 50°C (-4° - 122°F)
Environmental	IP 65/66/67
Material	Polycarbonate

Enclosure Measurements





Aurora SE Measurements



AURORA SE POWER BEST PRACTICES

Power Requirements

- Aurora SE requires a maximum of 1.5 A @ 120 VAC
- NDB Power requirements vary for each installation

Power and Data considerations for installations

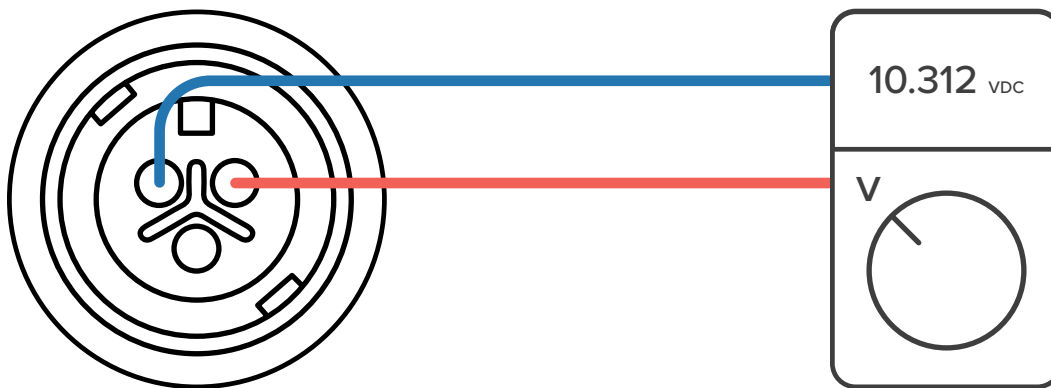
- Make sure that your installation's lights will draw no more than 75% of the NDB Power Supply's rated output current.
- Power Top-Ups supply 5A at 12V
 - Inject power every 100' or 100 LED pixels—whichever comes first
 - Inject power every 80' or 80 LED pixels for Triklit-style lights—whichever comes first.
- At 2.5 A a 10' leader cable drop approximately 0.5V.
- Power Top-Ups must be used with Power Ts to isolate power in each direction.
- Cable runs greater than 15' must use a Smart Extender/Receiver to maintain control signal integrity.
- Use a voltmeter to measure the voltage at the end of each light run (see voltage thresholds below)

End of Line Voltage Thresholds

End of line Voltage Threshold	Fixture Type
VEOL > 10 V	Globes
VEOL > 9 V	All other fixture

Measure End of Line Thresholds

Measure the end-of-line voltage to ensure light fixtures are receiving adequate power.



Required Components

- Aurora SE
- RGB LED fixture
- Voltmeter

Method

1. Power ON your Aurora SE system.
2. Turn the lights on all white to draw max power.
3. Measure the voltage between port 1 (+) and port 3 (-) on the female connector at then end of the light run.
4. Ensure the measured voltage is greater than the thresholds listed above.
5. Remove the last section of lights if the voltage is too low.
6. Add a power Top-Up and reconnect lights.
7. Retest the end-of-line voltage to ensure it meets the threshold.

Approved Lamp Types

- Lamp type: LED 5050
- Lamp wattage: 1 W
- All RGB LED fixtures use LED 5050 as the lamp type.

Warning:

Please contact Limbic Media to use Aurora SE with fixtures other than those listed in the following table.

Aurora SE Power Fixture Limits Per Port

RGB Fixture Type	LEDs	IP Rating	Current (A)		Max Lights/Port* 23 °C (73 °F)
			Node	Fixture	
Mini Triklits	1	65	0.03		75
Triklit 100s	1	65	0.112		15
360° Triklits	1	65	0.03		75
Bistros and Light Strings	1	65	0.03		75
Flexible Strip	28/m	67	0.03		140 (5 m)
Pebble Module Light	1	65	0.03		75
Bullet Pixels	1	65	0.03		75
1' 360° Light Tube	24	65	0.02	0.36	6
2' 360° Light Tube	50	65	0.02	0.75	3
3' 360° Light Tube	74	65	0.02	1.11	2
4' 360° Light Tube	100	65	0.02	1.5	1
5' 360° Light Tube	124	65	0.02	1.86	1
250 mm Globes	20	65	0.0075	0.15	16
300 mm Globes	24	65	0.0083	0.20	12
350 mm Globes	28	65	0.0086	0.24	10
400 mm Globes	32	65	0.0094	0.300	8
500 mm Globes	32	65	0.0094	0.300	8

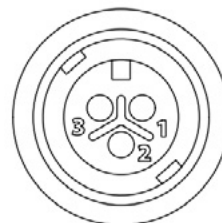
*Without power top-ups.

RGB LED Output Connectors Wiring Diagram

Male Connector



Female Connector



ELECTRICAL SAFETY

Safety Hazards Identification and Warnings

The following identification system indicates hazard severity associated with Aurora SE in accordance with ANSI Z535.4-2002:

DANGER

An imminently hazardous situation which will result in death or serious injury if not avoided.

WARNING

A potentially hazardous situation which could result in death or serious injury if not avoided.

CAUTION

A potentially hazardous situation which could result in minor or moderate injury or property damage if not avoided. Also alerts against unsafe practices.

Ignoring a hazard voids any warranty.

Aurora SE Safety Hazards

WARNING

Power must be disconnected before installing Aurora SE or connecting light strands.

WARNING

Aurora SE must be installed in accordance with relevant local electrical codes by certified professionals.

WARNING

Aurora SE requires that ventilation openings are not obstructed or covered.

WARNING

Aurora SE is for indoor use only. Outdoor enclosures are available.

WARNING

Read and fully understand installation instructions and safety labels for Aurora SE before installing the system.

WARNING

The Aurora SE must be installed without obstructing any ventilation openings.

WARNING

Ensure power cable is not damaged before connecting Aurora SE to power.

WARNING

Aurora SE is certified to FCC Class A standards. It may cause electromagnetic interference (EMI) in domestic (residential) environments. End users are required to take adequate measures in such a case.

CAUTION

Ensure that Aurora SE is mounted correctly using the provided mounting brackets, and free of excessive vibrations.

CAUTION

Do not hot swap fixtures. Ensure Aurora SE is disconnected from power before connecting or disconnecting fixtures.

CAUTION

Do not open, modify or alter Aurora SE in any way.

NOTE

The instructions and precautions set forth in this user manual are not fully-inclusive, or pertinent to all installations as Limbic Media cannot anticipate all possible situations.

Owner/User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate Aurora SE in compliance with all state and local laws, ordinances, and regulations.

NOTE

Aurora SE is shipped with a US IEC power cable.



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