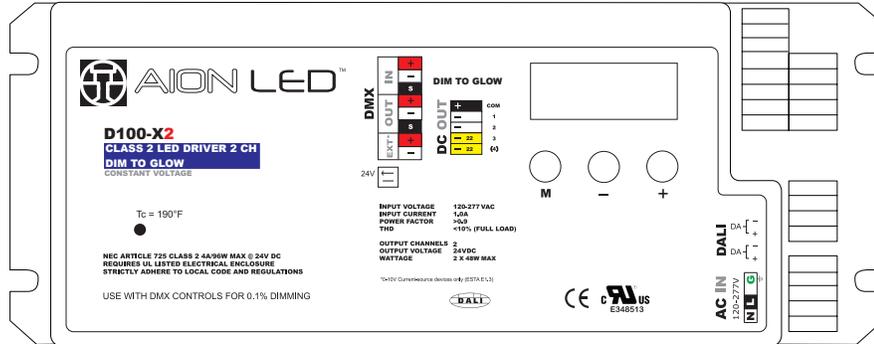


## X2

### DMX, 2 CHANNEL



### 2 Channel DMX Driver

Factory Programmed for Dim to Glow

Factory Wire Harness for Ease of Installation

Integrated Class 2 Supply

LCD interface

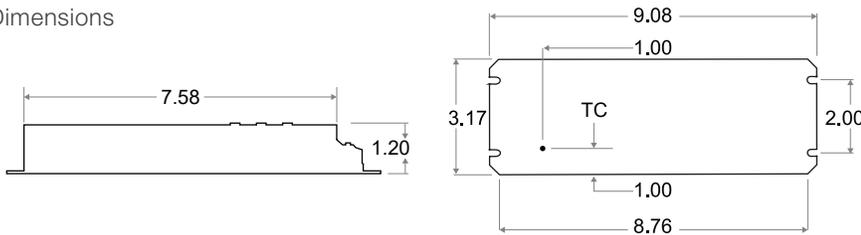
Universal 100-277VAC Input

UL, CE, & CSA APPROVED

Requires UL Listed Enclosure

Default Address 1

### Dimensions



MODEL	D100-X2	DIMENSIONS (L-W-H)"	9.06 x 3.15 x 1.18"
CASE	DRY & DAMP	PRIMARY BREAKER	AUTO-RESET
WATTAGE	96W @ 24 VDC	DIMMING	0.1%
INPUT VOLTAGE (Hz)	100-277 VAC, 60HZ	CONTROL TYPE	Aion LED AX5-2 Controller, DTM or 3rd Party DMX Interface
INRUSH CURRENT	120 VAC: 35A 240µs 277 VAC: 75A 240µs	3RD PARTY DMX COMPATIBILITY	Lutron, Vantage, Crestron, ETC AMX (ANY DMX)
INPUT CURRENT	120 VAC: 1.05A 277 VAC: 0.45A	THERMAL CLASS	(B) 130 C
POWER FACTOR	>0.94	MAX FEET 8924-CT3022	30 ft. (Max 48W/ Channel)
VOLTAGE LOADED	23.5 VDC	MAX FEET 1524-CT3022	30 ft. (Max 48W/ Channel)
VOLTAGE OPEN	24.2 VDC	MAX FEET 6524-CT3022	8 ft. (Max 48W/ Channel)



Requires, Sold Separately: Aion LED DTM

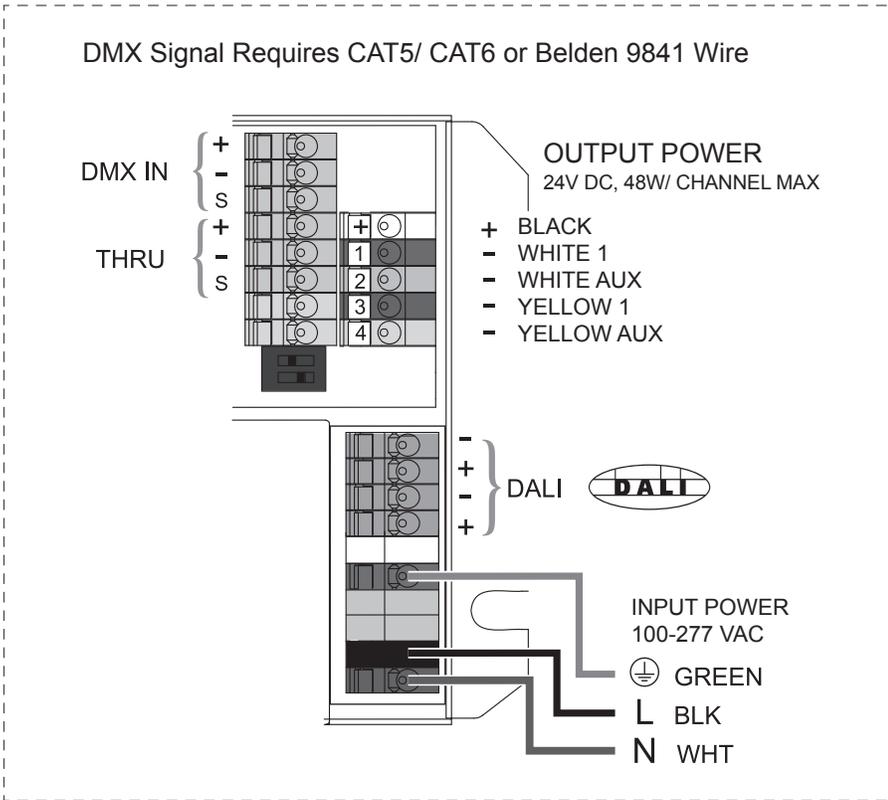
Components of a complete system include: Aion LED A-Track Light Engine, Aion LED A-Track housing with diffuser lens, & Aion LED driver (power supply). Dimmer not included. Approved dimmers, controls, power supplies, cable, & other components only. Contact Aion LED for questions regarding compatibility. Electrician installed. Strictly adhere to NEC & local building code. Limited 5-year warranty against manufacturing defects only, does not cover labor; voided by: inadequate ventilation, field modifications, installation by unqualified personnel, unapproved controls, drivers, cabling, other devices, not following installation guidelines & protocol, general negligence. Installer assumes all liability with regard to property & safety. This product is UL listed. See separate "Aion LED Warranty Terms" & additional instructional materials for more information. Authorized installers only. Systems tested prior to shipping.



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**INSTALL PER NEC**

**Requires:**  
DMX Controller & Control Wire Daisy-Chain

**Each Fixture Requires:**

- (1) Black Conductor
- (1) White
- (1) Yellow

**Outputs:**

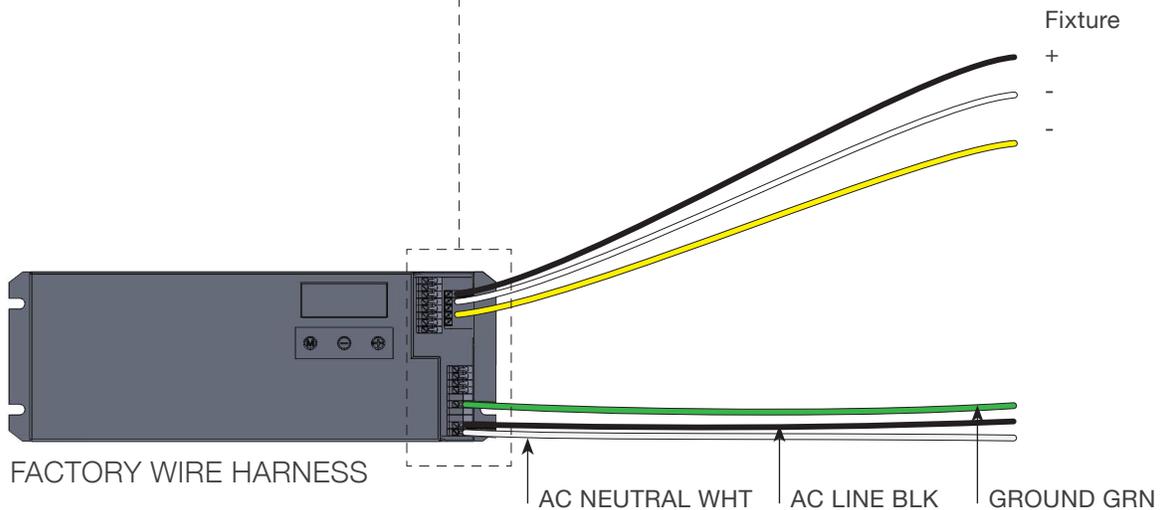
- Black= COMMON POS+
- White= NEG-
- Yellow= NEG-

**AC Input:**

- LINE (BLK)
- NEUTRAL (WHT)
- GROUND (GRN)

**Max Run**

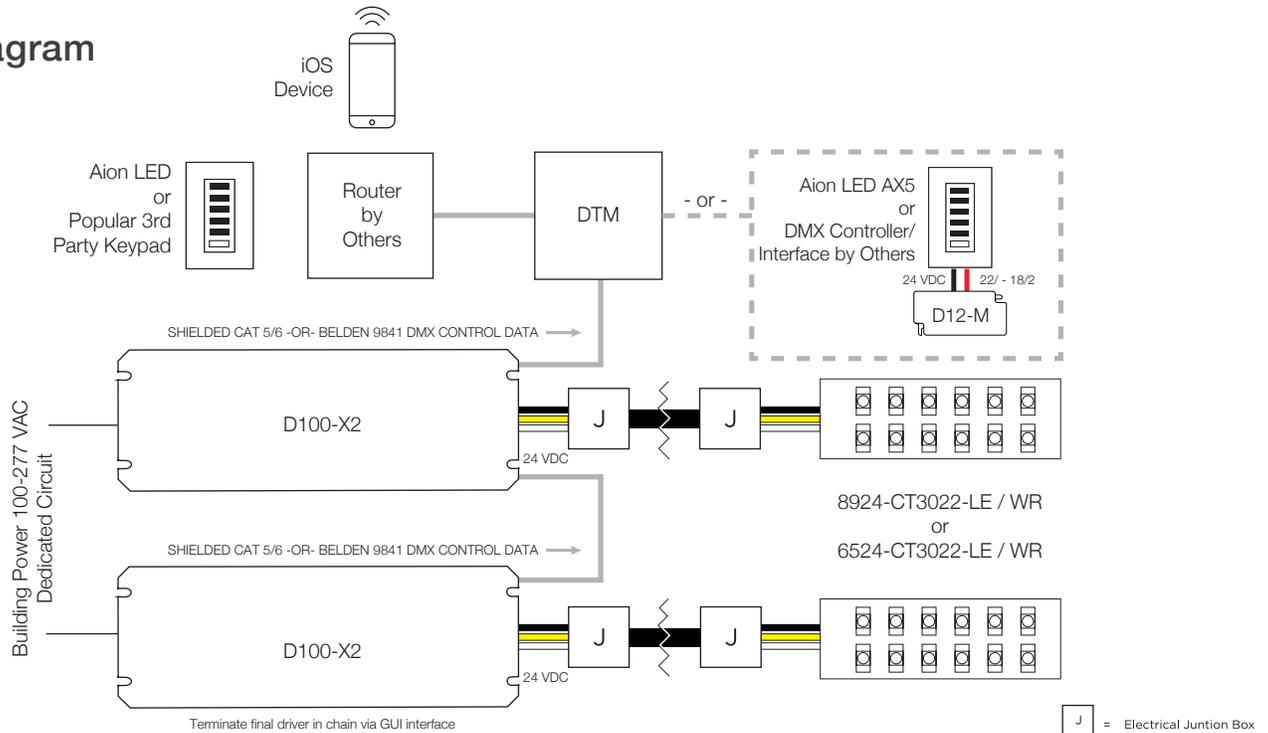
- (Dictated by Programming)
- Max 48W per Channel



Components of a complete system include: Aion LED A-Track Light Engine, Aion LED A-Track housing with diffuser lens, & Aion LED driver (power supply). Dimmer not included. Approved dimmers, controls, power supplies, cable, & other components only. Contact Aion LED for questions regarding compatibility. Electrician installed. Strictly adhere to NEC & local building code. Limited 5-year warranty against manufacturing defects only, does not cover labor; voided by: inadequate ventilation, field modifications, installation by unqualified personnel, unapproved controls, drivers, cabling, other devices, not following installation guidelines & protocol, general negligence. Installer assumes all liability with regard to property & safety. This product is UL listed. See separate "Aion LED Warranty Terms" & additional instructional materials for more information. Authorized installers only. Systems tested prior to shipping.

## Wiring Diagram

D100-X2



## Installation Instructions

1. Install per NEC and Local code by qualified personnel
2. Requires UL Listed enclosure with adequate ventilation
3. Strain-relief wiring to enclosure to prevent wires from pulling out
4. Wire AC power with 18AWG power wire
5. Ensure that jacket goes all the way into connector
6. Connect DMX controller to 'DMX in' on first unit with Belden 9841 DMX wire (plus, minus, shield), -or- shielded CAT5/6
7. Daisy chain additional units from 'DMX out' to 'DMX' of following unit with Belden 9841 cable -or- shielded CAT5/6
8. Terminate only the final unit in DMX chain via programming interface
9. Wire fixture to wire harness with wire nuts [White, Yellow, DC+ (Black)]
10. Drivers are pre-programmed and tested at Aion LED for specific Aion LED fixtures. Each of the four D100-X series models (X1, X2, X3, X4) ship with a separate and unique Aion LED factory wiring harness for plug and play functionality and to eliminate mistakes in the field. Aside from changing the default DMX address (1) via supplied GUI interface, or activating "Termination" on the final unit in a control chain, only certified integrators and qualified personnel should attempt changing other settings. Default programming settings are for reference only.



Components of a complete system include: Aion LED A-Track Light Engine, Aion LED A-Track housing with diffuser lens, & Aion LED driver (power supply). Dimmer not included. Approved dimmers, controls, power supplies, cable, & other components only. Contact Aion LED for questions regarding compatibility. Electrician installed. Strictly adhere to NEC & local building code. Limited 5-year warranty against manufacturing defects only, does not cover labor; voided by: inadequate ventilation, field modifications, installation by unqualified personnel, unapproved controls, drivers, cabling, other devices, not following installation guidelines & protocol, general negligence. Installer assumes all liability with regard to property & safety. This product is UL listed. See separate "Aion LED Warranty Terms" & additional instructional materials for more information. Authorized installers only. Systems tested prior to shipping.



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## Programming Guide

D100-X2

### USER MENU

Highlighted Yellow = User Defined

<b>M</b>	DMX Address = <b>1</b> Default
<b>M</b>	Network Resolution = 8 bit
<b>M</b>	Term = <b>No</b> terminate final driver in chain
<b>M</b>	Network Set = Manual
<b>M</b>	Interpolation = White

### TO LOCK/ UNLOCK MODE MENU

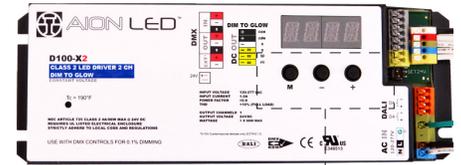
<b>M</b> + <b>+</b>	Hold for 3 seconds, then select (+) or (-) to lock or unlock
---------------------	--

### TO ACCESS OUTPUT MENU

<b>M</b> + <b>+</b>	Hold for 0.5 seconds LED = 2 - 4 L
<b>M</b>	External Input = OFF
<b>M</b>	Dim Curve = Log

### TO ACCESS MODE MENU

<b>M</b>	Hold for 3 seconds SET MODE = DMX
<b>-</b> + <b>+</b>	SET MODE = <b>DMX, DALI, SHOW</b>
<b>M</b>	Select M to Select



Can operate Aion LED X Series with DMX or DALI controls. DMX as default. To change to DALI, follow appropriate steps on page 2 of programming guide.

Ensure all wiring is correct and properly terminated

Default DMX address is 1 and can be changed via GUI interface.

Drivers are pre-programmed and tested at Aion LED for specific Aion LED fixtures. Each of the four D100-X series models (X1, X2, X3, X4) ship with a separate and unique Aion LED factory wiring harness for plug and play functionality and to eliminate mistakes in the field.

Aside from changing the default DMX address (1) via supplied GUI interface, or activating "Termination" on the final unit in a control chain, only certified integrators and qualified personnel should attempt changing other settings. Default programming settings are for reference only.

## Programming Guide

D100-X2

### DALI

<b>M</b>	Press M to view the number of ballasts connected (Channels per fixture). Address is set by DALI Control (or via LED type set in DMX menu.)
<b>M</b>	Press M again to view address (ADDR SET) or if one has not been set (NO ADDR)
<b>M</b>	Press M again to exit configuration and turn off display

In DALI mode, fixtures are addressed through the DALI controller

### SHOW

<b>M</b>	Press M and (+) or (-) to select a different SHOW sequence (1-20)
<b>M</b>	Press M again and (+) or (-) to change the speed (SPD) of the selected show sequence (-99 through 99) -99                      Twice as Slow 0                              Sequence's Default 99                              Twice as Fast
<b>M</b>	Press M again and (+) or (-) to change the intensity (INT) of the selected show sequence (0 through 255) 0                              Off 255                              Full On
<b>M</b>	Press M again to exit configuration and turn off display

SHOW mode is intended to pretest fixtures prior to controls installation. Return to DMX or DALI mode after testing.