



AURA BAR • LED TROUBLESHOOTING

BAR STAFF EDITION • NO EXPERIENCE REQUIRED

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Support: (615) 904-5640

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Breaker Panel **E2**

Circuits **32 • 33 • 35 • 36**

DMX Address **001** (under bar + screen glow)

LED **RGB COB, 3 ch** • Decoder **D4-XE**

1 START HERE: THE 10-SECOND RESET — FIXES IT 9 TIMES OUT OF 10

- 1 Go to breaker panel **E2**.
- 2 Flip breakers **32, 33, 35, 36** OFF. All four, every time.
- 3 **Count to 10**. A real 10, the power supplies need to drain.
- 4 Flip all four back ON. Give it a few seconds.
- 5 Still wrong? Find the black box with the red digital display (the DMX decoder, behind the bar millwork) and match its screen to the table below. You cannot break anything with steps 1 to 4.

2 WHAT THE DECODER'S SCREEN IS TELLING YOU

001	Normal. 001 is the correct DMX address for this install.	Nothing. Walk away proud.
OLA	Overload alarm. Asked for more power than it wants to give.	Breakers 32, 33, 35, 36 OFF, wait 10 seconds, back ON . If OLA returns, leave OFF and call KG3.
OHA	Overheat alarm. The decoder is too hot.	Breakers OFF. Clear anything stacked against it. Wait 15 min , back ON. Repeats = call KG3.
P05 any P## or L-#	Lost its control signal , running a built-in pattern. This is the "lights doing a rainbow on their own" problem.	10-second reset. If it comes back, a data cable is unplugged or damaged: call KG3.
047 any number ≠ 001	Wrong address. Someone pressed buttons. Lights respond wrong or not at all.	Tap the  button (hold to move fast) until it reads 001 . Done.
RES	Factory reset (someone held both arrows). Defaults still work here.	Lights should still work. Text KG3 so we can verify settings next visit.
 bLank	No power to the decoder.	Check breakers 32, 33, 35, 36 in E2. On but still blank = call KG3.

3 THE THREE BUTTONS: live under the display

SAFE

- Tap /  while a number shows: steps the address. Your way back to **001**.
- Tap : cycles display modes. Keep tapping until a 3-digit number shows, then arrow to 001.
- Hands off for 10 seconds: it exits any menu by itself.

DO NOT

- **Never hold**  +  2 sec: factory reset (shows RES).
- **Never hold**  + : engineering menu. Wrong values = service call.
- Anything hot or smells burnt: breakers OFF, stay off, call now.



4 BREAKERS: PANEL E2 — WRITE IN WHAT EACH ONE FEEDS

PANEL E2 IS LOCATED: _____

PANEL E2	PANEL E2	PANEL E2	PANEL E2
32	33	35	36
FEEDS _____	FEEDS _____	FEEDS _____	FEEDS _____

5 SETTINGS THAT MUST NOT CHANGE

DMX ADDRESS

001 • under bar AND screen glow

CHANNELS

CH1 R • CH2 G • CH3 B • CH4 unused

LED

RGB COB neon, PWM

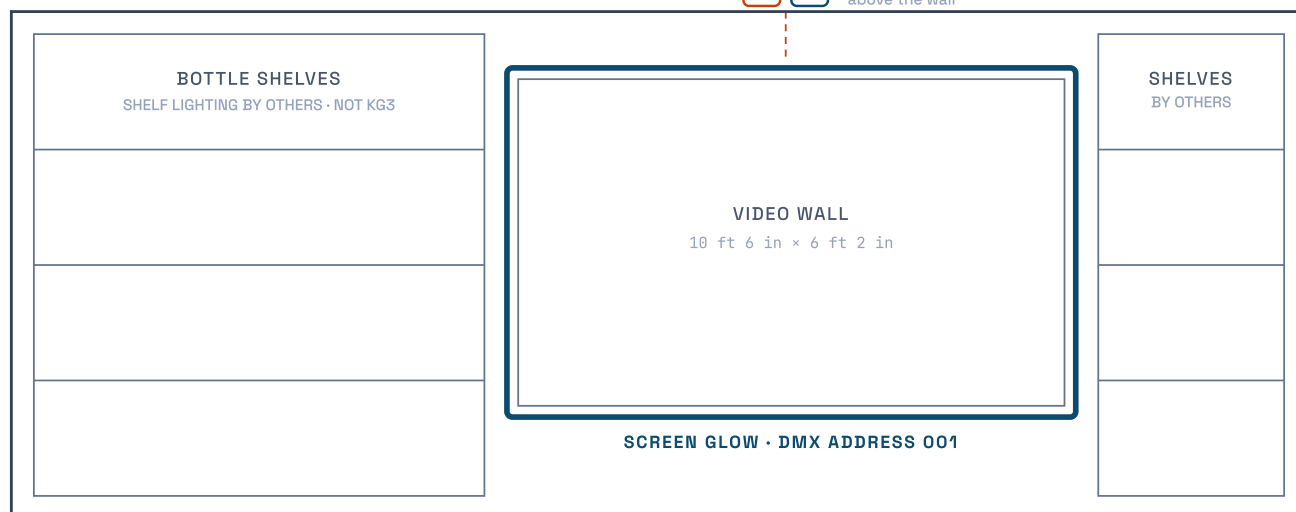
DECODER

D4-XE, 4-ch DMX512 (manual attached)

6 WHERE EVERYTHING LIVES

BACK BAR WALL: 24 ft 10 in

D **P** VIDEO WALL DECODER + PSU
above the wall



D **P**
DECODER + PSU
behind millwork

BAR

D **P**
DECODER + PSU
behind millwork

PANEL E2
BREAKERS 32 33 35 36

feeds all KG3 LED power supplies

— KG3 LED: screen glow + under bar glow (RGB COB, DMX 001) **D** DMX decoder (D4-XE) **P** Power supply

Shelf lighting is not KG3 equipment and is not covered by this sheet.

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- Photo the decoder display before you call. It answers half our questions.
- Tell us which breakers you already cycled and what changed.
- Hot to the touch or smells burnt: breakers OFF, leave them off, call immediately.

4 Channel Constant Voltage DMX512 & RDM Decoder

- Comply with the DMX512 standard protocols.
- Digital numeric display, set DMX decode start address by buttons.
- RDM function can realize intercommunication between DMX master and decoder. For example, DMX decoder address can be set by DMX master console.
- 1/2/4 DMX channel output selectable.
- 16bit (65536 levels) / 8bit (256 levels) grey level selectable.
- PWM frequency 250/500/1000/2000/4000/8000/16000/32000Hz selectable.
- Logarithmic or linear dimming curve selectable.
- Stand-alone RGB/RGBW mode and 4 channel dimmer mode selectable, which be controlled by buttons with built-in programs, instead of DMX signal.
- Green terminal, XLR3 and RJ45 port DMX signal input.
- Over-heat / Short circuit protection, recover automatically.



- Output brightness curve: short press ◀ or ▶ key to switch linear curve("C-L") or logarithmic curve("C-E").
- Default output level: set output level when no DMX input signal. short press ◀ or ▶ key to switch maintain DMX output("d-") or output default level ("d00" to "dFF", 0-100%), long press ◀ or ▶ key to change output default level.
- Automatic blank screen: short press ◀ or ▶ key to switch enable ("bon") or disable("boF") automatic blank screen.
- Long press M key for 2s or timeout 10s, quit system parameter setting.

DMX mode

- Short press M key, when display 001~512, enter DMX mode.
- Press ◀ or ▶ key to change DMX decode start address(001~512), long press for fast adjustment.
- If there is a DMX signal input, will enter DMX mode automatically.
- DMX Dimming: Each D4-XE DMX decoder occupy 4 DMX address when connecting the DMX console. For example, the defaulted start address is 1, their corresponding relationship in the form:

DMX Console	DMX Decoder Output
CH1 0-255	CH1 PWM 0-100% (LED R)
CH2 0-255	CH2 PWM 0-100% (LED G)
CH3 0-255	CH3 PWM 0-100% (LED B)

001

DMX mode
(001~512)

Stand-alone RGB/RGBW mode

- Enter stand-alone RGB/RGBW mode only when DMX signal is disconnected or lost.
 - Short press M key, when display P01~P30, enter stand-alone RGB/RGBW mode.
 - Press ◀ or ▶ key to change dynamic mode number(P01~P30).
 - Each mode can adjust speed and brightness.
- Long press M key for 2s, prepare for setup mode speed, brightness, W channel brightness.
Short press M key to switch three item.
Press ◀ or ▶ key to setup value of each item.
Mode speed: 1-10 level speed(S-1, S-9, S-F).
Mode brightness: 1-10 level brightness(b-1, b-9, b-F).
W channel brightness: 0-255 level brightness(400-4FF).
Long press M key for 2s, or timeout 10s, quit setting.

P01

Stand-alone RGB/ RGBW mode
(P01~P30)

S-8

Speed
(8 level)

b-F

Brightness
(10 level,100%)

Stand-alone dimmer mode

- Enter stand-alone dimmer mode only when DMX signal is disconnected or lost.
 - Short press M key, when display L-1~L-8, enter stand-alone dimmer mode.
 - Press ◀ or ▶ key to change dimmer mode number(L-1~L-8).
 - Each dimmer mode can adjust each channel brightness independently.
- Long press M key for 2s, prepare for setup four channel brightness.
Short press M key to switch four channel(100~1FF, 200~2FF, 300~3FF, 400~4FF).
Press ◀ or ▶ key to setup brightness value of each channel.
Long press M key for 2s, or timeout 10s, quit setting.

L-1

Stand-alone dimmer mode
(L-1~L-8)

Restore factory default parameter

- Long press ◀ and ▶ key for 2s, restore factory default parameter, display"RES".
- Factory default parameter: DMX decode mode, DMX decode start address is 1, four channel decode, 8 bit grey level, 2000Hz PWM frequency output, logarithmic brightness curve, output 100% level when no DMX input, RGB mode number is 1, dimmer mode number is 1, disable automatic blank screen.

RGB Change Mode List

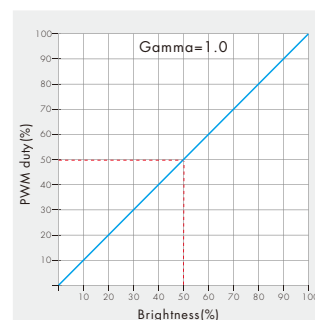
No.	Name	No.	Name	No.	Name
P01	Static red	P11	Green strobe	P21	Red yellow smooth
P02	Static green	P12	Blue strobe	P22	Green cyan smooth
P03	Static blue	P13	White strobe	P23	Blue purple smooth
P04	Static yellow	P14	RGB strobe	P24	Blue white smooth
P05	Static cyan	P15	7 color strobe	P25	RGB+W smooth
P06	Static purple	P16	Red fade in and out	P26	RGBW smooth
P07	Static white	P17	Green fade in and out	P27	RGBY smooth
P08	RGB jump	P18	Blue fade in and out	P28	Yellow cyan purple smooth
P09	7 color jump	P19	White fade in and out	P29	RGB smooth
P10	Red strobe	P20	RGBW fade in and out	P30	6 color smooth

Malfunctions Analysis & Troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong color	1. Wrong connection of R/G/B/W wires. 2. DMX decode address error.	1. Reconnect R/G/B/W wires. 2. Set correct decode address.
Uneven intensity between front and rear,with voltage drop	1. Output cable is too long. 2. Wire diameter is too small. 3. Overload beyond power supply capability. 4. Overload beyond controller capability.	1. Reduce cable or loop supply. 2. Change wider wire. 3. Replace higher power supply. 4. Add power repeater.

Dimming Curve Setting

Linear dimming curve



Logarithmic dimming curve

