

ACCLAIM LIGHTING

Owner Manual



AL-BAR-AC-DMX-1200-RGB

DESCRIPTIONS

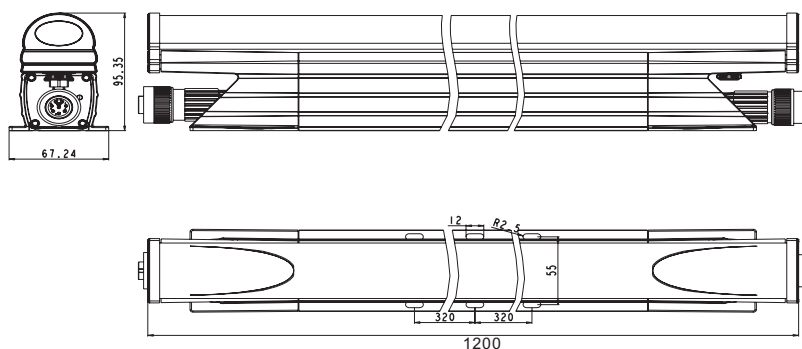
The AL-BAR-AC-DMX-1200-RGB is a multi-color LED lighting bar with built-in PSU. An AL-BAR-AC-DMX-1200-RGB consists of 10 segments and each RGB can be separately controlled by DMX 512 or special DMX-1000K Signal. Its initial default address was set as auto-addressing. The user also may manually to set the address through a special software.

The AL-BAR-AC-DMX-1200-RGB is ideal for outdoor applications with its IP65 character and the wide operating temperature range. It is easy to install and operate.

SPECIFICATION

POWER SUPPLY	100~240V AC, 50/60Hz 277V AC, for North America Only
POWER CONSUMPTION	18W max
CONTROL	DMX 512 controls max 17pcs AL-BAR-AC-DMX-1200-RGB DMX-1000K (1M) controls 60pcs max AL-BAR-AC-DMX-1200-RGB
LIGHT SOURCE	60 RGB LEDs
VIEWING ANGLE	120 deg
CONNECTION	8-pin IP power/data male/female connector (power/data interface)
HOUSING	Aluminum extrusion
LENGTH	1200mm
INGRESS PROTECTION RATING	IP65
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC to +60 degC
STORAGE TEMPERATURE	-20 degC to +70 degC
DIMENSIONS	1200(L) x 67(W) x 95(H)mm
WEIGHT	4kg

PHYSICAL DIMENSIONS



CONNECTION & OPERATION

The user may use a professional software to set the DMX address for AL-BAR-AC-DMX-1200-RGB and the auto & fixed address modes are programmable. The auto-address was set as factory default .

1)Online

- a.)Max 40pcs AL-BAR-AC-DMX-1200-RGB are allowed on the line of AC120V input.
- b.)Max 75pcs AL-BAR-AC-DMX-1200-RGB are allowed on the line of AC230V/277V input.

2)Auto-address

Link up multi AL-BAR-AC-DMX-1200-RGB.

The DMX 512 Signal is able to link up to 17pcs of AL-BAR-AC-DMX-1200-RGB and the specific DMX-1000K Signal can link up to 60pcs. The LED's channels will increase automatically in the sequence. In the first AL-BAR-AC-DMX-1200-RGB, the Red of the first segment is the first channel, the Blue of the last segment is the 30th channel, each segment RGB can be controlled separately.

- 1 channel controls the Red of the 1st segment
- 2 channel controls the Green of the 1st segment
- 3 channel controls the Blue of the 1st segment
- 4 channel controls the Red of the 2nd segment

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the rest may be deduced by analogy

The receiving initial address of the first AL-BAR-AC-DMX-1200-RGB is 1, the second AL-BAR-AC-DMX-1200-RGB receiving initial address is $30 \times 1 + 1 = 31$, the rest may be deduced by analogy.

3)Fixed address

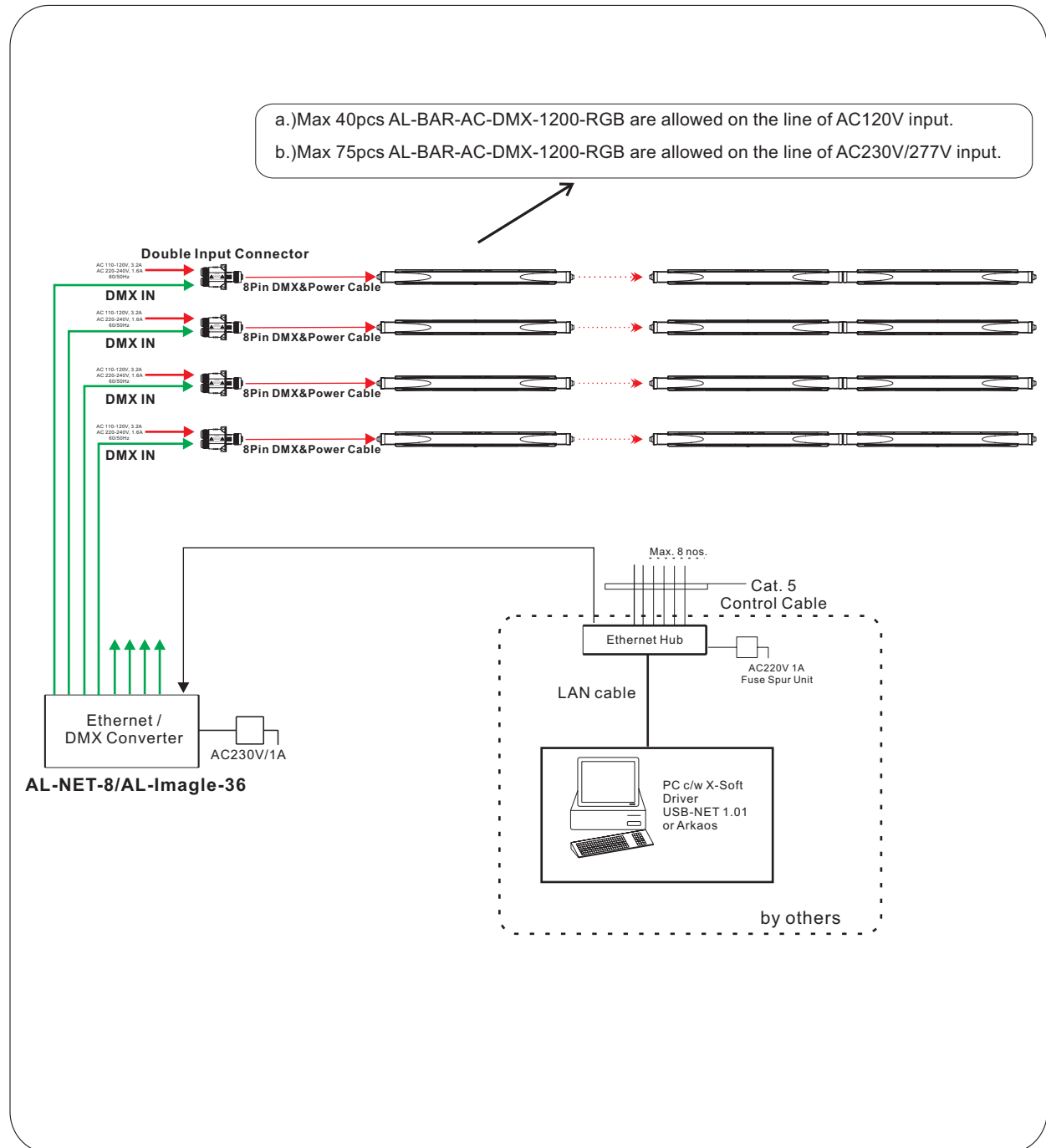
In this mode(the address have been fixed), AL-BAR-AC-DMX-1200-RGB permits both the in & out port serves as the input end for receiving the DMX signal.

While synchronously connect the in & out port to DMX signal, if any signal malfunction happened in system, the system still can be controlled as normal. That is to say, any signal malfunction happened to an AL-BAR-AC-DMX-1200-RGB in system which will not affect the normal operation for the other online fixtures, this is the salience of AL-BAR-AC-DMX-1200-RGB.

Note:

When any malfunction happened to system, it does not allow to set fixed address. In a general way, the fixed address mode can be set only if the system is normally running in auto-address mode.

SYSTEM DIAGRAM



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Improvement and changes to specifications, design and this manual may be made at any time without prior notice.