

LNx-011BI waterproof type supports RDM two-way dual isolation DMX amplifier manual

Ver 2.01



Foshan Lingen Technology Co., Ltd.

December 2019

This manual is the technical manual of LNX-011BI LED amplifier, applicable to LNX-011BI series sub-models, and the software version is V2.01 and above compatible software version.

Commonly used LNX-011BI sub-models are shown in the table below.

label	model	Software version	hardware version
LNX-011BI	LNX-011BI	V2.01	V101

This manual was compiled and published by Foshan Lingen Technology Co., Ltd., and has the final right to interpret related products.

The subsequent upgrade of related products may differ slightly from this manual, and the upgrade of the manual may not inform you in time. We apologize for that! Please pay attention to the discrepancies between the actual product and the description in this manual.

For more product information, please visit Lingen's official website: www.linetc.com

Technical support email: tech@linetc.com

Table of Contents

LNK-011BI WATERPROOF TYPE SUPPORTS RDM TWO-WAY DUAL	
ISOLATION DMX AMPLIFIER MANUAL..... 错误!未定义书签。	
1. INTRODUCTION TO LNK-011BI AMPLIFIER.....	4
1.1. OVERVIEW	错误!未定义书签。
2. INSTALLATION OF LNK-011BI AMPLIFIER.....	错误!未定义书签。
2.1. LNK-011BI WIRING DIAGRAM INSIDE THE OPEN COVER	5
2.2. LNK-011BI WIRING INSTRUCTIONS	错误!未定义书签。

1. Introduction to LNX-011BI amplifier

1.1. Overview

LNX-011BI is a DMX signal amplifier (repeater) developed by Lingen Technology for outdoor IP68 waterproof, supporting RDM, and two-way dual isolation.

The working direction of LNX-011BI DMX amplifier does not distinguish between master and slave, intelligently detects the signal direction of DMX, supports two-way communication of DMX bus data, and supports the normal operation of various functions of DMX-RDM.

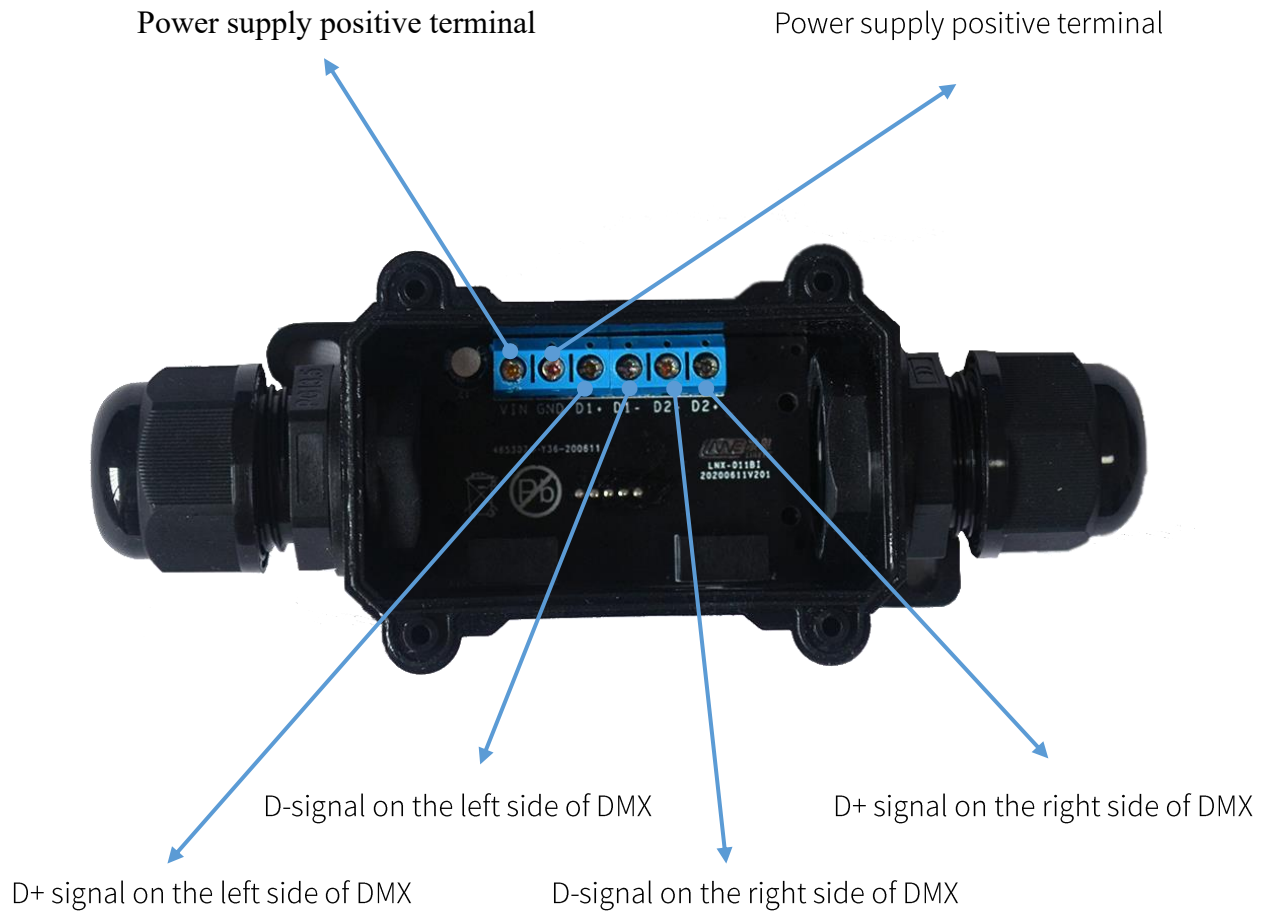
The two-way DMX interfaces of LNX-011BI are all isolated interfaces. The isolated DMX interface effectively guarantees the stable operation of the equipment in more complex work scenarios, and is more safe and reliable. The DMX interface is also equipped with protection circuits such as anti-overcurrent and anti-overshoot, which effectively protects the equipment from stable and long-term safe operation.

The operating voltage range of LNX-011BI is 5-24V, and the internal power supply is anti-reverse connection function, so there is no need to worry about burning the amplifier due to reverse power connection during installation.

LNX-011BI has IP68 waterproof characteristics. The incoming and outgoing wires of the amplifier pass through a waterproof plug. The plug specification is PG13.5. The cable with an outer diameter of 7-12mm can be used for wiring, , Effectively improve the waterproof performance of DMX amplifier for outdoor applications.

2. Installation of LNX-011BI amplifier

2.1. Wiring diagram of LNX-011BI open cover



2.2 LNX-011BI wiring instructions

The wiring of LNX-011BI is very simple, just connect the power supply voltage, the DMX bus on the left and the DMX bus on the right. The power supply range of LNX-011BI is DC 5-24V. The signal interfaces on the left and right sides of the DMX bus are all isolated interfaces, so you only need to connect D+/D- instead of the GND signal line.