

## Alctron 爱克创

English

### BX-4 Bluetooth audio receiver

#### GENERAL INTRODUCTION

BX-4 is a Bluetooth® receiver with 5.0 chip. This chip offers high quality sound and makes the compatibility and integral performance more optimizing. Just use 3-pin XLR to connect console or active speaker, then using Bluetooth® to connect smart phone, pad such devices to realize wireless transmission. STEREO-LINK button helps BX-4 pairing with another BX-4 to transmit the signal to audio equipments.

#### CONNECTOR INTRODUCTION

- 1. USB CHARGE:** charging interface supply power to devices.
- 2. POWER ON/OFF:** push switch-turns the BX-4 on and off.
- 3. PAD 0dB -10dB:** sensitivity attenuator, lower the input signal sensitivity and avoid signal overload and distortion.
- 4. CHARGE:** battery indicator, during charging the blue light lits, when battery is already full, the indicator goes out.
- 5. LED indicator:** when turn on the BX-4, the product to be paired, red and blue light lit alternation; when paired successfully, blue light flash slowly. When paired and Bluetooth played music, blue light solidly lit; if no music, blue light flash slowly.
- 6. STEREO-LINK button:** press the button(STEREO-LINK) on both BX-4 for 2 seconds, the blue light flash quickly on both BX-4(LED indicator flash). Each BX-4 searches for each other, when they are successfully paired, one BX-4 red and blue light lit alternation another BX-4 blue light flash slowly(at that time, the output signal is STEREO).
- 7. XLR:** balanced output connector

#### SET UP

1. Insert bx-4 to mixer's XLR input connector.
2. Use 1/4"(6.35mm) cable to connect 1/4"(6.35mm) input connector on active loudspeaker and 1/4"(6.35mm) output connector on mixer.
3. Paired with Bluetooth devices.

**NOTE:** you can connect to mixer, amplifier or other devices that accepts line-level inputs(this device must be powered off). Here take the mixer as an example.

#### BLUETOOTH PAIRING A SINGLE BX-4

1. Power on your Bluetooth device.
2. Power on BX-4, red and blue light flash alternation.
3. Red and blue light flash alternation, to be paired.
4. Navigate to your Bluetooth device's set up screen, find "Alctron BX-4" and connect.

#### STEREO-LINK 2 BX-4

1. Press the STEREO-LINK button on both BX-4 for 2 seconds.
2. Both STEREO-LINK LED will flash blue light quickly. Then BX-4 will search for each other.
3. When they are successfully, one BX-4 red and blue light lit alternation another BX-4 blue light flash slowly.
4. Following BLUETOOTH PAIRING A SINGLE BX-4 steps to connect with Bluetooth devices.

**NOTE:** when twoBX-4 paired with Bluetooth device, the output signal is STEREO. Bluetooth headphone can not be paired with BX-4.

#### SPECIFICATION

- \* Bluetooth version: Bluetooth V5.0
- \* Power supply: 3.7V lithium battery power supply
- \* Standby current: <50uA
- \* Working current: 310mA
- \* Temperature range: -40°C to +80°C
- \* Wireless transmission range: 10m
- \* Sensitivity: -95dBm±0.1% BER
- \* Frequency range: 2.4GHz-2.480GHz
- \* Signal to noise: ≥95dB
- \* Distortion: ≤0.1%
- \* Charging method: USB charging
- \* Stand by: 50days(Theoretical)
- \* Working time: 24hours (Theoretical)
- \* Net weight: 95g
- \* Size: 33.4\*27.5\*124mm

#### FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

#### RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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## Alctron 爱克创

### BX-4蓝牙接收器

#### 产品介绍

BX-4是一款蓝牙5.0芯片的蓝牙接收器。这个芯片能够提供音质更佳、兼容性更广泛。只需要将3芯卡农头插入调音台上的有源音箱，再用蓝牙功能实现与智能手机、PAD这类设备的无线传输。轻按STEREO-LINK键2秒，能够让BX-4与另外一个BX-4配对，从而传输信号给音响设备。

#### 接口介绍

- 1. USB CHARGE:** 充电接口给设备提供电源。
- 2. POWER ON/OFF:** 电源开关，打开/关闭BX-4。
- 3. PAD 0dB -10dB:** 灵敏度衰减开关，降低输入信号灵敏度，防止信号过载出现谐波现象。
- 4. CHARGE:** 充电指示灯，充电的时候，亮蓝灯，充满时灯灭。
- 5. LED 指示灯:** 当您打开BX-4时，产品处于等待配对的状态，此时红蓝灯交替闪烁；配对成功的时候，蓝灯常亮，配对成功且有音乐播放，蓝灯常亮，无音乐播放，蓝灯慢闪。
- 6. STEREO-LINK按钮:** 在两个BX-4上按STEREO-LINK键2秒，蓝灯快闪（两个BX-4上的LED指示灯同时亮），BX-4各自开始搜索彼此，当两个BX-4配对成功的时候（此时发出配对声音），一个BX-4红蓝灯交替闪烁，一个BX-4蓝灯慢闪。
- 7. XLR:** 平衡输出接口。

#### 连接

1. 将BX-4插入调音台上的XLR输入接口。
2. 用1/4"(6.35mm)线连接调音台上的1/4"(6.35mm)输入接口和调音台上1/4"(6.35mm)的输出接口。
3. 与设备配对。

**注意:** 您可以选择调音台，放大或者有其他有线输入接口的设备（此设备在运行前必须处于关闭状态）。这里我们以调音台为例。

#### 蓝牙设备与BX-4的配对

1. 打开蓝牙设备。
2. 打开BX-4，红蓝LED交替闪烁。
3. 红蓝LED交替闪烁，处于等待蓝牙匹配状态。
4. 进入蓝牙设备的蓝牙设置页面，找到 "Alctron BX-4"，连接。

#### 两个BX-4的配对

1. 按两个BX-4上的STEREO-LINK键2秒。
2. 两个BX-4上的STEREO-LINK蓝灯快闪，进入立体声配对状态。
3. 两个BX-4产品匹配成功，一个红蓝灯交替闪烁，一个蓝灯慢闪。
4. 根据蓝牙设备与BX-4的配对的步骤连接蓝牙设备。

**注意:** 当BX-4与蓝牙设备匹配的时候，输出的信号是立体声。蓝牙耳机不能与BX-4匹配。

#### 参数

- \* 版本: Bluetooth V5.0
- \* 供电: 3.7V锂电池供电
- \* 待机电流: <50uA
- \* 工作电流: ≤10mA
- \* 温度范围: -40°C——+80°C
- \* 无线传输距离: 10m
- \* 灵敏度: -95dBm±0.1% BER
- \* 频率范围: 2.4GHz-2.480GHz
- \* 信噪比: ≥95dB
- \* 失真度: ≤0.1%
- \* 充电方式: USB充电
- \* 待机时长: 50天(理论上)
- \* 工作时长: 24小时(理论上)
- \* 净重: 95g
- \* 尺寸: 33.4\*27.5\*124mm

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技术要求与检验要点:  
单面尺寸: 145x210mm  
材质: 105g铜版纸  
黑白双面印刷, 需折叠  
更改记录: V1.1尺寸, 材质和地址更改  
V1.2功能更改

|     |                  |             |             |               |
|-----|------------------|-------------|-------------|---------------|
| 设计  | DESIGNED_BY      | 签名<br>NAME: | 日期<br>DATE: | 图号<br>BX-4P01 |
|     | 审核               | APPROVED_BY | 2022-07-19  |               |
| 工艺  | TECHNOLOGIZED_BY | 2022-07-19  | ALCTRON     |               |
| 核准  | CHECKED_BY       | 2022-07-19  |             |               |
| 标准化 | STANDARDIZED_BY  | 2022-07-19  | 第 张 共 张     |               |
|     |                  |             |             | 零件号           |
|     |                  |             |             | 版本: V1.2      |