



Alctron 爱克创

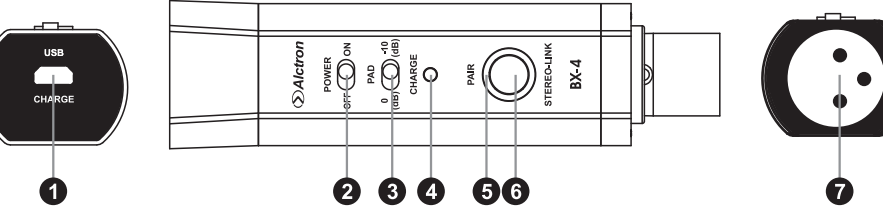
English

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 searched 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

SPECIFICATION

* Bluetooth version:	Bluetooth V5.0
* Power supply:	3.7V lithium battery power supply
* Standby current:	<50uA
* Working current:	<10mA
* Temperature range:	-40℃ to +80℃
* Wireless transmission range:	10m
* Sensitivity:	-95dBm±0.1% BER
* Frequency range:	2.4G±2.4800Hz
* Signal to noise:	≥95dB
* Distortion:	≤0.1%
* Charging method:	USB charging
* Stand by:	60days(Theoretical)
* Working time:	24hours
* Net weight:	95g
* Size:	33*27*57*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.

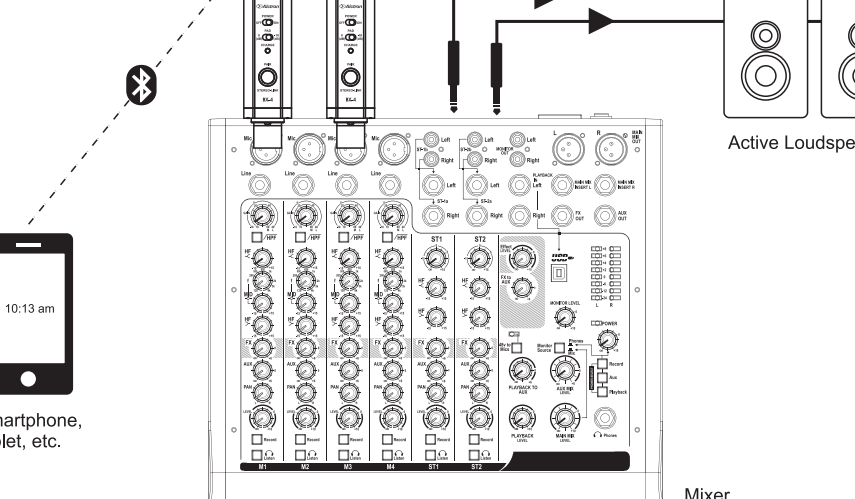
RF Exposure Information

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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SET UP



Active Loudspeakers

Mixer

- Insert BX-4 to mixer's XLR input connector.
- 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.
- 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.

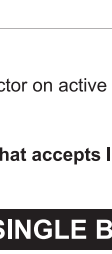
BLUETOOTH PAIRING A SINGLE BX-4



- Power on your Bluetooth device.



- Power on BX-4, red and blue light flash alternation.



- Red and blue light flash alternation, to be paired.



- Navigate to your Bluetooth device's set up screen, find "Alcron BX-4" and connect.

Alctron 爱克创

中文

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。这个芯片能够兼容更加优质、兼容性更广泛。只需要将3芯卡依头插入蓝牙或者有线接口。再用蓝牙功能实现与智能机、PAD这类设备的无线传输。轻按STEREO-LINK键2秒，能够跟BX-4与另一个BX-4配对，从而传输信号与数据信号。

接口介绍

The diagram illustrates the BX-4 Bluetooth receiver from three perspectives: a top view on the left, a side view in the center, and a bottom view on the right. Numbered callouts (1 through 7) identify the following components: 1. USB CHARGE port on the top view; 2. POWER ON/OFF switch on the side view; 3. PAOD 0dB-10dB volume knob on the side view; 4. CHARGE indicator LED on the side view; 5. LED indicator light on the side view; 6. STEREO-LINK button on the side view; 7. 3.5mm audio jack on the bottom view.

1. USB CHARGE：充电接口给设备提供电量。
2. POWER ON/OFF：电源开关，打开关闭BX-4。
3. PAOD 0dB-10dB：灵敏度衰减开关，降低输入信号灵敏度，防止信号过载出现频率偏差。
4. CHARGE：充电指示灯，充电的时候，亮红灯，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。此时红灯呈闪烁状态；配对成功的时候，蓝灯常亮。配对成功具有音乐播放、蓝灯常亮、无音乐播放，蓝灯闪烁。
6. STEREO-LINK按钮：在两个BX-4上按STEREO-LINK键2秒。蓝灯闪烁（两个BX-4上LED指示灯闪烁）；BX-4会自动搜索配对。当两个BX-4配对成功的时候（此时输出为立体声），一个BX-4呈蓝灯常亮，一个BX-4呈蓝灯闪烁。
7. XLR：平衡输出接口。

5. 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. Adjust the volume on your Bluetooth device.

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

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 lt 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.

连接



手机/平板电脑等

蓝牙

有源音箱

调音台

1. 将BX-4插入调音台上的XLR输入接口。
2. 用1/4英寸35mm标准连接有线音箱的1/4(1/6.35mm)输入接口和调音台上1/4(1/6.35mm)的输出接口。
3. 与蓝牙设备配对。

注意：您必须以调音台为例，放大胆或者其他有线性输入接口的设备（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。

红蓝LED交替闪烁

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。

蓝牙

4. 进入蓝牙设备的蓝牙设置页面，找到“Aktron BX-4”，连接。

蓝牙

The screenshot shows the Bluetooth settings interface. At the top, there's a toggle switch for "蓝牙" (Bluetooth) which is turned on. Below it are options for "可见性" (Visibility), "内容共享" (Content Sharing), "设备搜索" (Device Search), and "配对设备" (Paired Devices). Under "配对设备", two devices are listed: "StereobX-4" and "Bx-4mini". A dashed line points from the "StereobX-4" entry to the first diagram below.

- 在蓝牙耳机与蓝牙耳机配对时，蓝牙耳机不能与Bx-4匹配。
- 成功匹配之后，蓝灯慢闪。当匹配成功，蓝牙设备在播放时蓝灯常亮，无音乐播放，蓝灯慢闪。

6. 在蓝牙设备上调节音量大小。

注意：当Bx-4与蓝牙设备匹配的时候，输出的信号是单声道。蓝牙耳机不能与Bx-4匹配。

两个Bx-4的配对

The diagram illustrates the steps to pair two Bx-4 units. Step 1 shows a hand pressing the "STEREO-LINK 配对键" (Pairing Key) on both units. Step 2 shows the units after pairing, with a label indicating they have entered "立体声配对状态" (Stereo Pairing State). Step 3 shows the units after successful pairing, with labels indicating one unit has become a "红蓝灯交替闪烁" (Red and blue light alternating flash) and the other remains a "蓝灯慢闪" (Blue light slow flash).

- 按两个Bx-4上的STEREO-LINK键2秒。
- 两个Bx-4上的STEREO-LINK蓝灯快闪，进入立体声配对状态。
- 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. 根据蓝牙耳机与Bx-4的配对的步骤连接蓝牙耳机。

注意：当Bx-4与蓝牙耳机匹配的时候，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℃---+80℃
* 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

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

		签名 NAME:	日期 DATE:	BX-4 中英文说明书		图号		BX-4P01		
设计	DESIGNED_BY	加瑞祺	2022-07-19			等级	标记	重量	比例	
审核	APPROVED_BY	朱昱芸	2022-07-19	ALCTRON						
工艺	TECHNOLOGIZED_BY					零件号				
核准	CHECKED_BY	彭世祥	2022-07-19			版本:V1.2				
标准化	STANDARDIZED_BY	陈玲	2022-07-19	第 张	共 张					