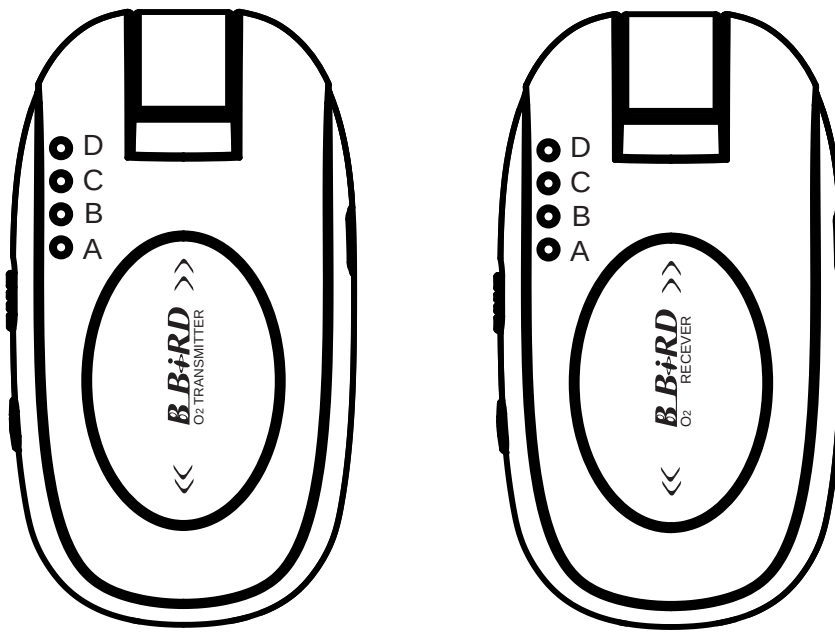
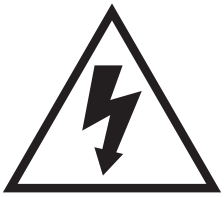
BiRD

O2





CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT DISASSEMBLE.
NO USER-SERVICEABLE PARTS
INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THE APPLIANCE TO RAIN OR MOISTURE.

CAUTION

This equipent has been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of FCC rules.Operation is subject to the following two conditions:

(1)This device may not cause harmful interference

(2)This device must accept any interference received including interference that may cause undesired operation.

CAUTION

Warning: Changes or modifcations not expressly approved in writing by B-bird may void the users authority to operate this equipment.

RF Exposure Statement: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

the antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons. end users must be provided with transmitter operation conditions for satisfying RF exposure compliance

Note: 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 o 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.

IMPORTANT SAFETY INSTRUCTIONS
PLEASE THESE INSTRUCTIONS
IN A SAFE PLACE

WARNING: BEFORE USING YOUR B-BIRD O2 DIGITAL WIRELESS SYSTEM, CAREFULLY READ THE OPERATING INSTRUCTIONS.

1. Observe all instructions carefully in the O2 manual.
2. Do not to perform service operations beyond those described in the O2 Manual. Services required when the apparatus has been damaged in any way, such as: • Liquid has been spilled or objects have fallen into the apparatus • The unit has been exposed to rain or moisture • The unit does not operate normally or changes in performance in a significant way • The unit is dropped or the enclosure is damaged
3. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
4. Guard against objects or liquids entering the device. Do not use or place unit near water.
5. Clean only with a damp cloth.
6. Only use attachments/accessories specified by the manufacturer.

7. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice “safe listening.”

PRODUCT INTRODUCTION

B-BIRD O2 guitar system features digital wireless technology that delivers incredible audio quality, simple setup, and is extremely reliable for any gigging musicians. It delivers a full 20 Hz - 20K Hz frequency response, so you’ll hear your guitar tone in great detail with only 5ms of latency. This wireless system operates at 2.4GHz ISM band for crystal clear broadcasting ensuring the integrity of your signal on stage and covers 100 feet of range without any signal dropout. The li-ion batteries help makes the O2 wireless system environmentally friendly that can last up to 5 hours per charge. The chassis is made out of a durable ABS plastic that can withstand the rigors of touring and the harshest of climates. This wireless is a perfect fit for any pedal board thanks to its simplistic, and compact design. So, go wireless with the B-BIRD O2 system. It’ll declutter the stage and offers freedom in motion

SYSTEM SPECIFICATION

Range	>100 feet Line-0-site outdoors.*
Latency	<5ms
Frequency Response	20-20K Hz,+1dB/-3dB
THD + Noise	<0.05%(1K Hz @-10dbFS)
Dynamic Range	>103dB A weighted
Operating Band	2.4G Hz ISM Worldwide
Operating Temperature	-10˚C to 50˚C
Sample Rate	24bit/48K Hz uncompressed digital transmission

Auto sleep/wake up mode:The transmitter will turn to sleep mode if there is no signal input for 10 seconds.

***Note:** Actual range is dependent on RF environment, including reflections, interference and absorption

PACKAGE DETAILS

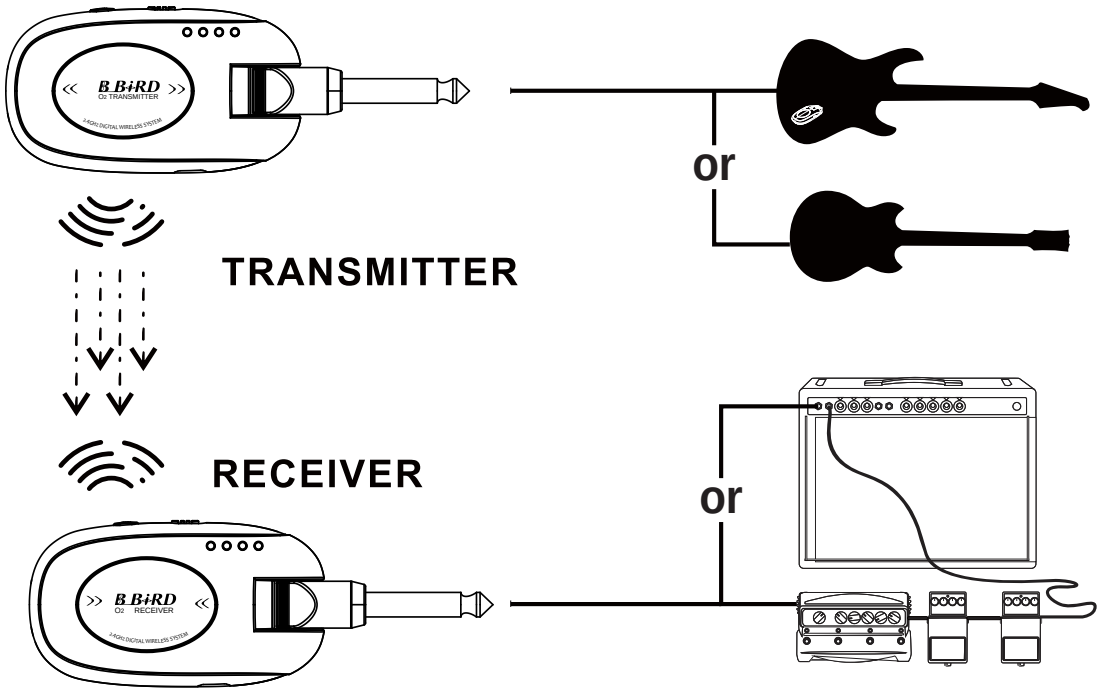
O2 Guitar Transmitter*1

O2 Guitar Receiver*1

USB cable*1

Manual*1

QUICK START DIAGRAM



1.Transmitter plugs into the Guitar (you instruments), the receiver plugs into the effects pedal, AMP, Audio, etc.

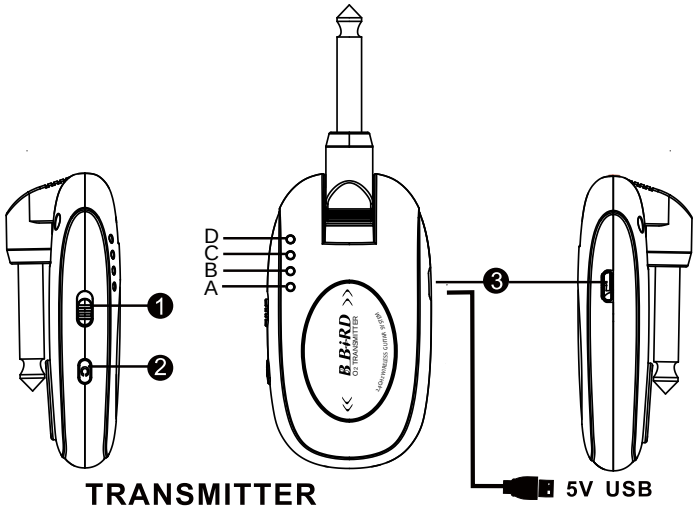
2.Turn on the Transmitter and the receiver, the A B C D LED will indicate how much volume of the battery, each LED means about 25% of the battery volume. for example,if A B C D LED all light on,it means about 100% full volume left,and the like if only A LED lights on means about 25% of the battery volume left. if the A LED turn red and flashing,it means the battery

is in low volume and you have to charge.

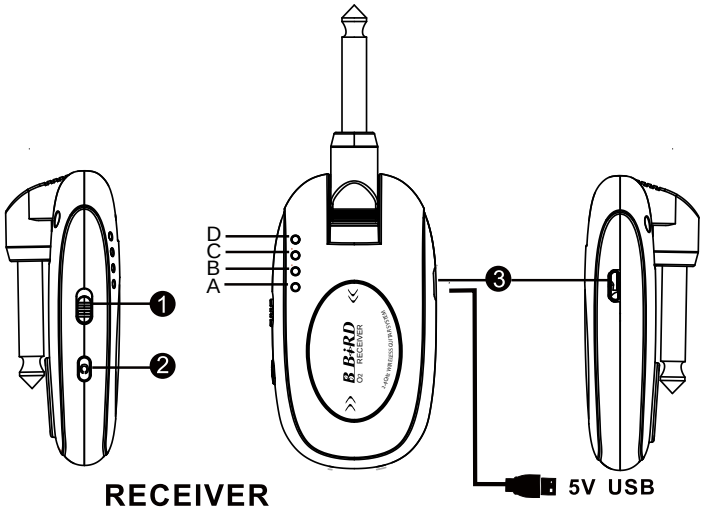
3.Channel choosing,O2 systems’pre-set channel is channel A,after showing battery volume the A LED will flash,it indicates making pairs,if transmitter and receiver connected successfully the channel LED will stop flashing and turn solid green. if environment interuption happens, you can click the “C” button to choose another channel.

3.Charging, put the USB plug into the transmitter and receiver meanwhile, the A B C D LED will light on orderly according to the batteries’ volume.

BASIC OPERATION



TRANSMITTER



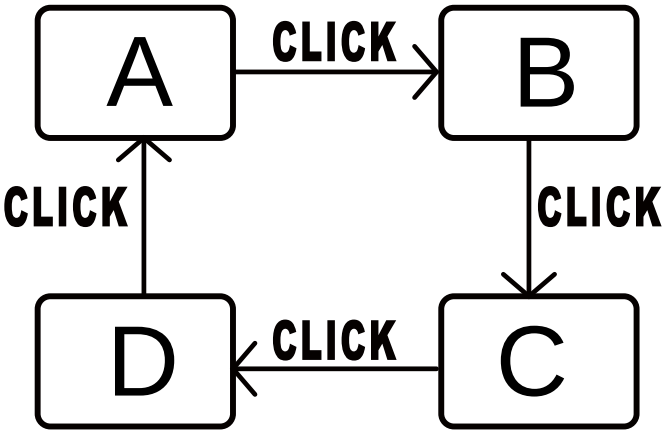
RECEIVER

1.Power – Slide Switch to turn on/off TRANSMETER/RECEIVER

2.Channel Select - Align TRANSMITTER and RECEIVER channels.

Click the switch to select the channel

Follow the diagram below to set up the channel , meanwhile the audio signal indicator LED will flash to indicate the channel.



3.Battery LED and Channel LED

O2 syetem at first power on,the lighting LED number indicate the battery volume,if 3 LED light on,it means 3*25%=75% battery volume left.The A LED have 2 function,one is channel A,the other is turn to red flashing in low volume and have to be charged.

4.Transmitter Audio signal indicator LED

When Power is on, the A LED will flash to indicate the pre-set channel is A.

Four channels

The O2 wireless guitar system has four different channels, and can use up to 4 pair of systems at the same time. When your band plays for guitar, bass, keyboard and other instruments, O2 can set up different channels for them to prevent signal interference. When there is only one player, the different channel function can also be used for him/her to prevent interferences from different frequency bands of routers or other WIFI devices. Generally we recommend to use Channel A

Portable Plug-and- Play design

O2 wireless system uses a portable design; both the receiver and the receiver are plug-and-play design. It is very convenient for fast switching among guitar, bass, amplifiers, effect pedal and other audio equipments. It provides more flexibility in adjusting the equipments.

One Transmitter and multiple Receivers

When using a transmitter, you can use multiple receivers. For example, if you want to connect a guitar

to two amplifiers or connect to effect pedal and pedal tuner, you need just use multiple receivers with setting up to be the same channel.

O2 Receiver

Since O2 is the 2.4 GHz wireless system, please avoid putting the receiver close to other signal emitting devices. It is recommended that your O2 receiver keep a distance of more than 3 meters from the other 2.4 GHz transmitter and WIFI router.

Auto sleep/wake up mode

The auto sleep/wake up mode will start when over 10 seconds there is still on signal input,it make you more silent when you stop playing,meanwhile, it also help you to save the battery volume.

Power charge

There is a “Y” shape cable in the package. It can charge the transmitter and receiver at the same time. The voltage output is 5V. The channel A LED never turn to red for normal use. Red A LED light flashing means low battery which requires immediate power charge.

When in charging,the A B C D LED will flash orderly, different LED flash indicate different battery volume. you can judge according to the A B C D,for example the A B LEDs are in solid green,the C LED is flashing, it indicate the A B part is charged full and now is charging C,in another words 50% battery volume is charged,when battery charged full, the A B C D LED will become solid green.

Channe LED Flashing after making pairs finished

The channel LED light flashing indicates there is signal interference. Please switch to another channel, turn off or stay away from other 2.4GHZ WIFI, to make sure the U2 transmitter and receiver antennae be in the signal receiving range.

Antennae angle

The rear end of O2 is the antenna, which can be used at about an angel of 180°. The front signal of the transmitter and the receiver is the strongest. Please try to keep the front to face each other during using. Do not block the antenna with your hand or other items, and keep the signal within the receiving range of the antenna.

When confront with interferrence from other devices

or need more distance for using, you can change the antenna's angle and adjust it to be the best condition.

Supportive pickup and musical instrument

O2 wireless system can works for passive guitar and active pickup, piezoelectric acoustic guitar pickup, piezoelectric violin pickup.

Transmitter is better to connect to the instrument. Please avoid connecting it to distortion effect pedal or high power output interface which may incur the timbre distortion.

USB port

USB only works for charging function, does not support firmware upgrade.