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RoHS

www.nuxefx.com

Made in China

NUX

# B-3 2.4GHz Wireless Microphone System

# WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

# CAUTION

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

The lightning symbol within a triangle means, “Electrical caution!” It indicates the presence of information about operating voltage and potential risks of electrical shock.

The exclamation point within a triangle means, “Caution!” Please read the information next to all caution signs.

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# System Overview

Congratulations on your purchase of the NUX B-3 2.4GHz wireless Microphone. It's designed for those who want to get rid of the cables and enjoy the wireless world without complicated setup.

## Product Feature

- Easy to use 2.4GHz Wireless Microphone System
- 32bit/48KHz Hi-Resolution Audio Quality
- Ultra-low latency < 4ms
- 6 Channels
- Built-in Rechargeable Lithium Battery

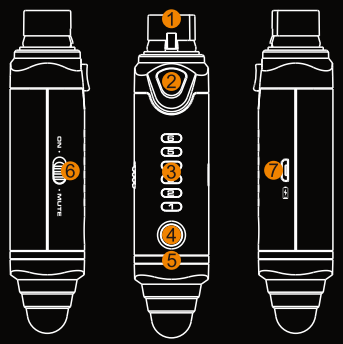
## Tips

If you are searching for wireless guitar system, we strongly recommend you to choose the NUX B-2. As wireless guitar system made by other manufacturers may have unavoidable interferences issue with the NUX B-3 when you try to use them simultaneously. Since both the NUX B-2 and B-3 are using the 2.4GHz band, to ensure the best experiences, please use the suggested matchups for each item as shown below:

| NUX B-2 Channel | NUX B-3 Channel |
|---|---|
| Channel 1 | Channel 2, 3, 4, 5, 6 |
| Channel 2 | Channel 1, 5, 6 |
| Channel 3 | Channel 1, 2, 3, 4, 5 |
| Channel 4 | N/A |

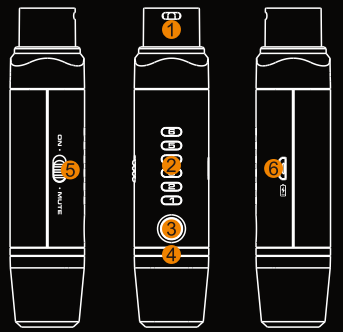


# Product Overview




## Transmitter

1. Female Port
2. Fastener Button
3. Channel Indicator
4. Channel Switch Button
5. RF Status LED
6. ON I MUTE Switch
7. Micro-USB Port



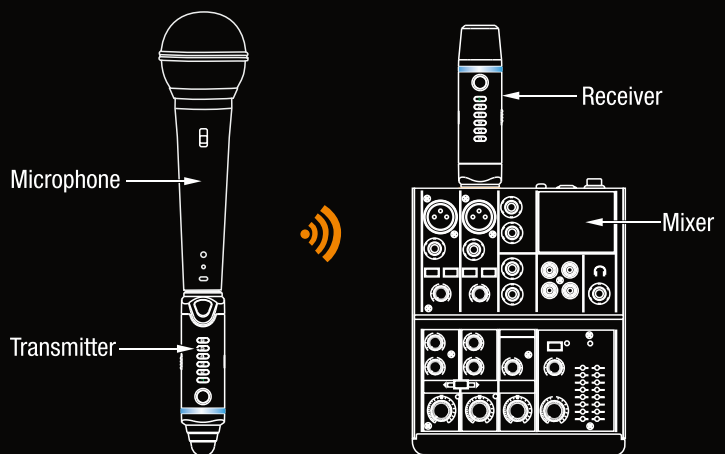

## Receiver

1. Male Port
2. Channel Indicator
3. Channel Switch Button
4. RF Status LED
5. ON I MUTE Switch
6. Micro-USB Port

# Transmitter and Receiver pairing

The default channel pairing is Channel 1, if you want to switch to different channels for any reason, please follow these steps:

1. Turn on the Receiver and Transmitter units.
2. Connect the Transmitter to your Microphone and the Receiver to your mixer or amplifier.
3. Press Channel switch button on both the Transmitter and the Receiver to make sure both units are in the same channel.
4. Wait until you see the  RF status LEDs on transmitter turns blue.






# Working Environment

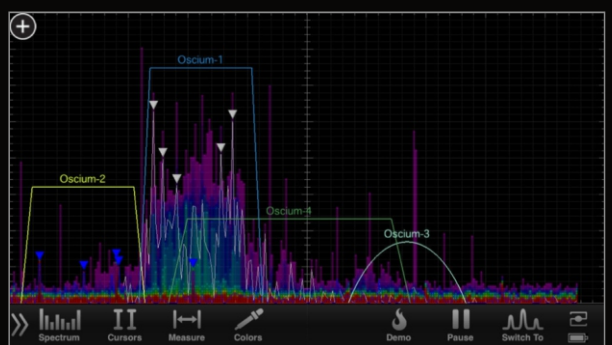
Since B-3 is a 2.4GHz wireless system, please avoid placing the transmitter and receiver next to other RF transmitting equipment. We recommend that you install the transmitter and receiver of B-3 at least 3 meters (10ft) away from RF Transmitters, i.e. Wi-Fi routers.

Notice: If the environment is full of RF transmitters, sometimes B-3 will meet interference.

You could check 2.4GHz environment on smart phones via these applications:

iOS

WiPry

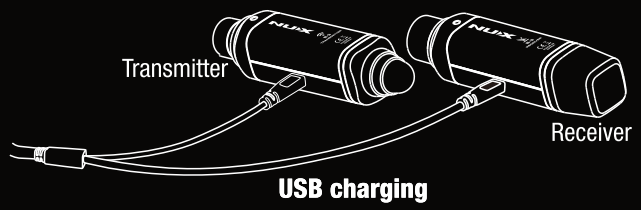


# Battery Charging

When you turn on the device the channel indicator(s) will light on for 1 second as a battery gauge.

If the battery level is below 10%, the RF status led will flash red 2 times then enter sleep mode automatically.

The charging indicator light turns red during the charging process, it will turn blue once the battery is fully charged.



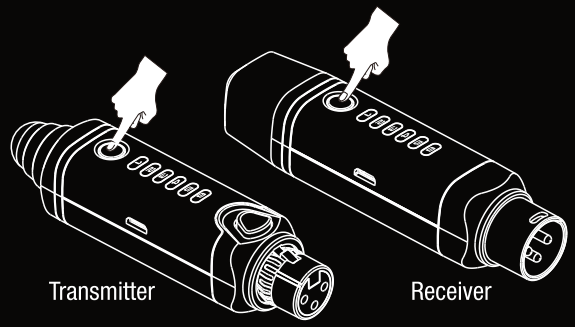

**NOTE:**
Our product uses Li-polymer battery, before using the product, please charge the battery first. When not using for a long period, charge or activate it in 3 months.



# Sleep Mode

If the transmitter is not connected to the microphone or there is no input signal for 30 seconds, both the transmitter and the receiver will enter sleep mode automatically to save the battery life. It can be wake up immediately if there is signal coming in.

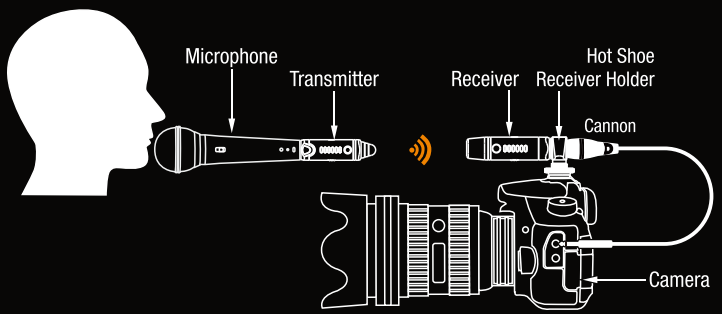
If the transmitter is not connected to the microphone or there is no input signal for 1 hour, both the transmitter and the receiver will enter deep sleep mode. Then, you'll have to press the channel button or use the ON/MUTE switch to wake it up.



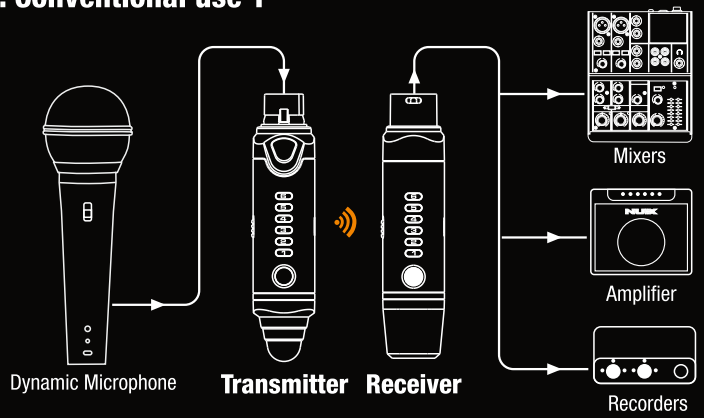

Press the channel button to wake B-3 up

# Application Scenarios

## 1. Wireless Recording



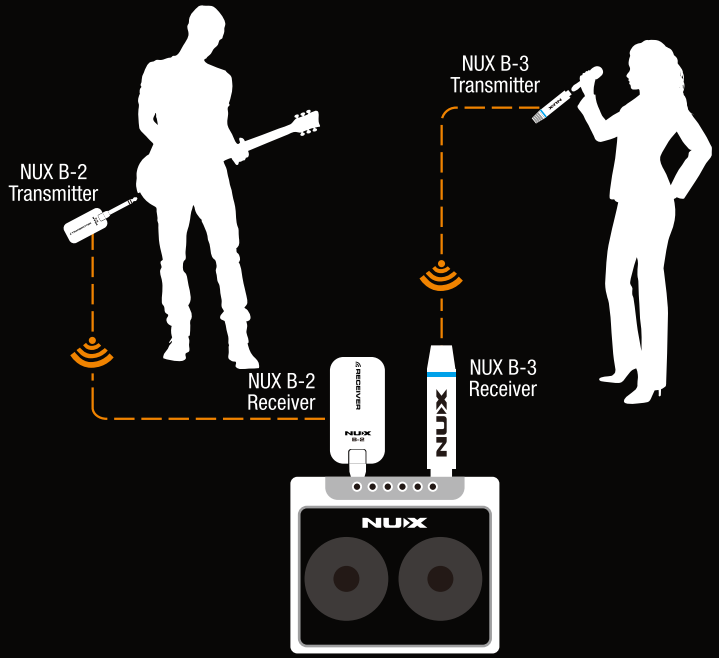

## 2. Conventional use 1








## 3. Conventional use 2




| NUX B-2 Channel | NUX B-3 Channel |
|---|---|
| Channel 1 | Channel 2, 3, 4, 5, 6 |
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| Channel 3 | Channel 1, 2, 3, 4, 5 |
| Channel 4 | N/A |

# Specifications

- 32 bit/ 48KHz Hi-Res sound quality
- Super Low Latency: < 4ms
- Range: > 100 feet Line-0-site outdoors
- Dynamic Range: 108db
- Operating Band: 2.4GHz ISM Worldwide
- THD+ Noise: < 0.02% ( 1KHz@-10dbFS )
- 6 Channels
- battery life: 5 hours
- Dimensions: 107(L)x25(W)x26(H)mm
- Weight: 125g

**2.4 GHz Frequency Tables**

| | | | |
|---|---|---|---|
| **Channel 1** | 2.404GHz | 2.475GHz | 2.479GHz |
| **Channel 2** | 2.409GHz | 2.467GHz | 2.471GHz |
| **Channel 3** | 2.414GHz | 2.459GHz | 2.463GHz |
| **Channel 4** | 2.419GHz | 2.451GHz | 2.455GHz |
| **Channel 5** | 2.424GHz | 2.443GHz | 2.447GHz |
| **Channel 6** | 2.429GHz | 2.435GHz | 2.439GHz |

*Specifications and appearance subject to change without notice.

## What's in the package?

- Transmitter x 1
- Receiver x 1
- User manual
- Charging Cable
- Hot Shoe Receiver Holder
- Female XLR to 3.5mm Phone Jack Adapter Cable