**Manuals+** — User Manuals Simplified.



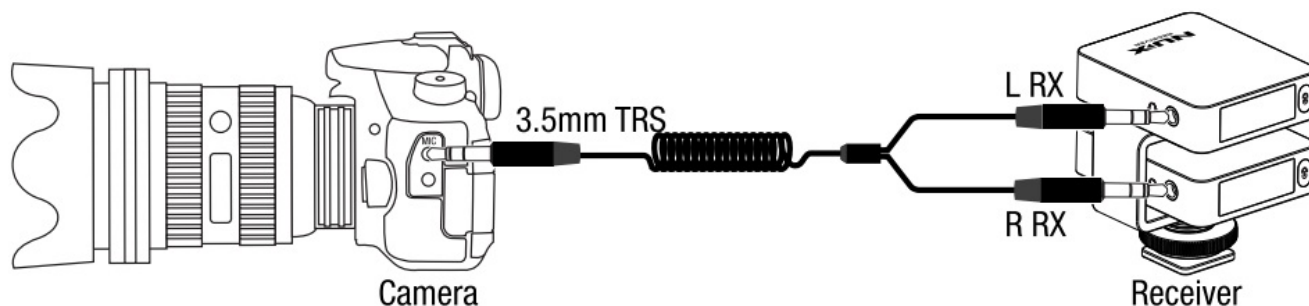# NUX B-10 Vlog Wireless Microphone System User Manual

**Contents**

**NUX B-10 Vlog Wireless Microphone System**



**System Overview**

NUX B-10 Vlog wireless Vlog system with automatic setup, 2.4 GHz interference-free broadcasting frequency, and 24-bit 44.1 kHz high-quality audio transmitting. The signal latency is super low and less than 5 ms. The operation range is around 30 meters (90-feet). It's a super light-weight wireless, mini-compact designed clip & go. The TX features a built-in omnidirectional electret microphone sending clear, broadcaster-grade audio via 2.4GHz digital transmission to the on- camera RXx. The additional hot-shoe mount can stack 2 RXs on the camera, so you can use 2 B-10 Vlog systems for interview. (We offer a Y-cable for 2 vs 2 application.)
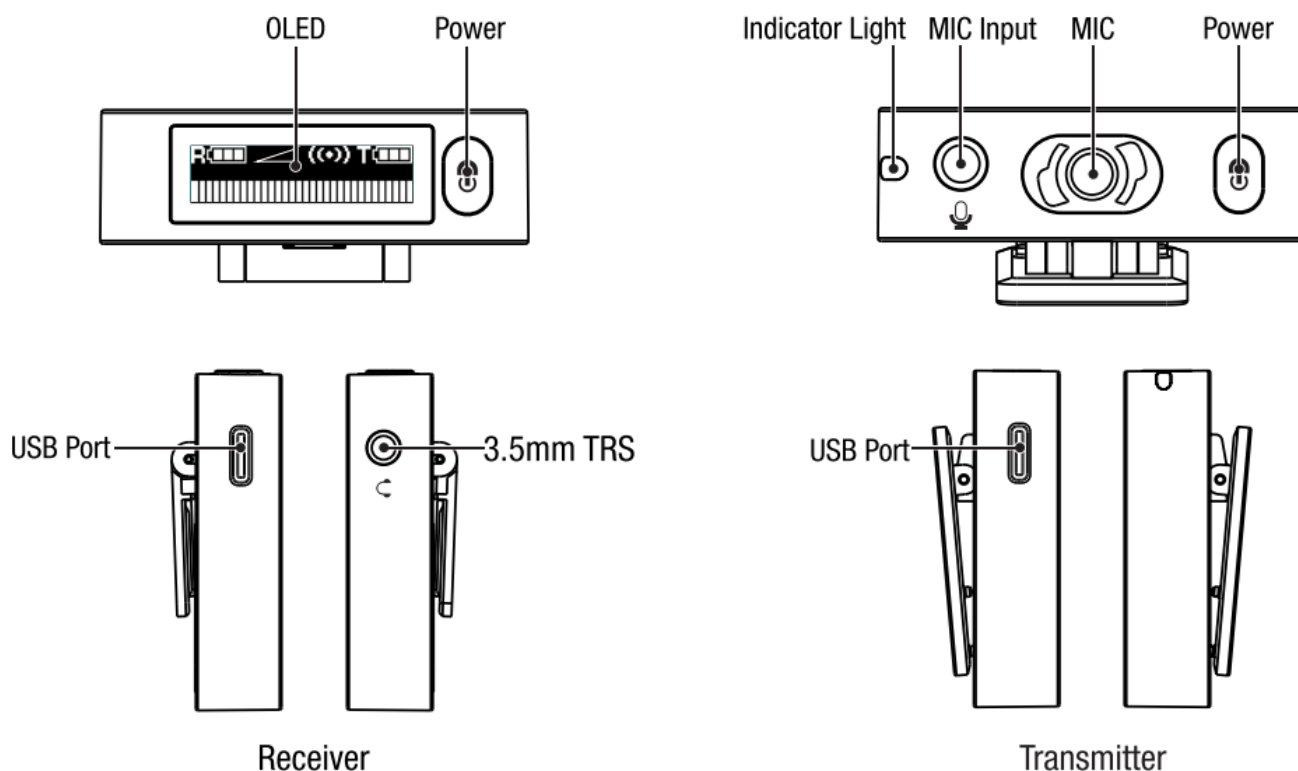
**Note:** While you use 2 B-10 Vlog systems, please turn on1 set firstly, while it get paired, then turn on the other set.
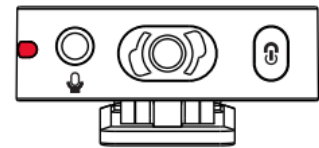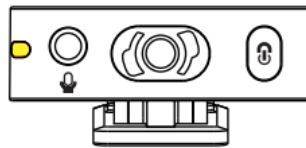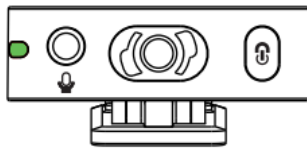


The user-friendly matching system makes it easy to use, just turn ON both wireless units (TX & RX), then it will be paired within a couple of seconds. Each wireless set has a unique pairing algorithm, it automatically detects each other and configures their own IDs. The signal never interferes with any other wireless including the WIFI" signal.

**\*Recommended:** Please stay 2 meters (6 feet) away from the WIFI router for the best performance.

## How to Operate



- Push and hold the power button for 2.5 seconds to turn ON the TX and RX.
- Before it gets paired automatically, you can see TX's battery status; if the LED indicator:
- Blinks GREEN-Well Charged (100%> GREEN 275%)
- Blinks YELLOW-Medium Battery (75%> YELLOW 250%)
- Blinks RED-Lower Battery (50%> RED >25%)
- Flashing RED for 10 times – Low Battery (<25%), turn off automatically to protect battery life.

- ● LED ████████████████████████ 100%≥Battery≥75%
- ● LED ████████████████ 75%＞Battery≥50%
- ● LED ████████ 50%＞Battery≥25%
- ● LED ▌▌▌▌▌ Battery<25%

After 2 seconds, it will be paired automatically, and the TX's LED status will blink GREEN. (B-10 Vlog will detect the best channel in the 2.4GHz frequency band, if the transmitter and receiver get paired, TX'S LED Will show GREEN. If the RX doesn't receive a signal, the RX's display will flash ((e)) Since the RX receive the signal, the display will show (()) to present the current receiving signal strength.
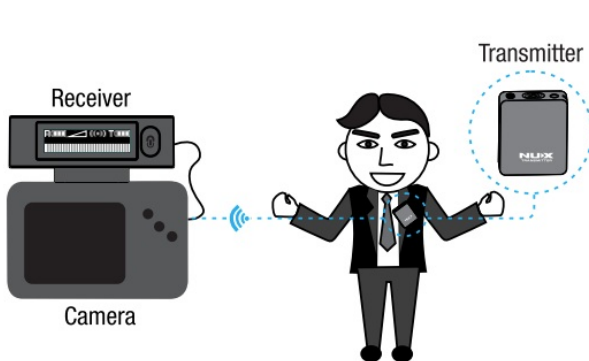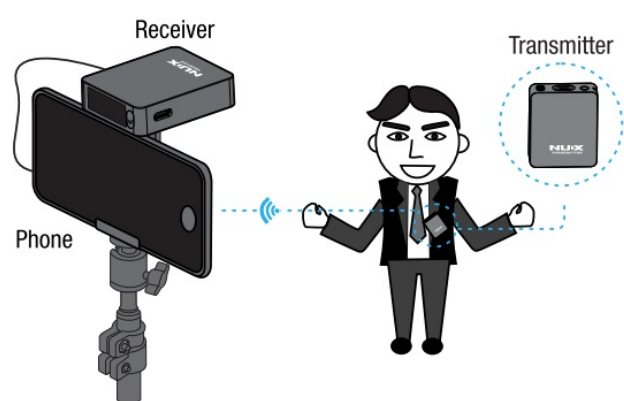


Break off



Connected

Clip the TX as lavalier microphone to mic your voice. Clip on the supplied windshield if required. If desired, plug in a compatible external microphone and the TX will automatically switch the audio input.
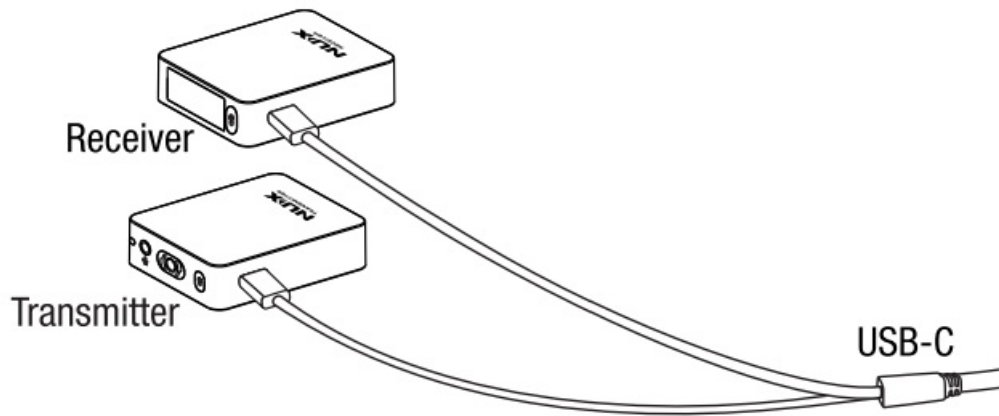


Scene 1



Scene 2

Since the TX is turned on. Short press TX's power button to switch MUTE(LED shows RED)/NORMAL(LED show GREEN) status. Since the RX is turned on, short press the power button to adjust OuTPUT LEVEL: OdB / +6dB / +12dB / -12dB / – 6dB sequentially. The default OUTPUT LEVEL is OdB.

Please turn OFF both wireless units (the TX and the RX), and charge the wireless units directly by using the USB-C Y-cable (included). Once the unit is full charged, the charging tunction WIl be shut down automaticaly. During charging, the IXs LED shows RED while TX is off, TX's LED shows YELLOW while TX is on. During charging, the RX's display will show the current status.

**NOTICE:** To charge the B-10 Vlog, please make sure that your power adaptor has a power output of 5V and 1A (or higher).

**Manually ID repair**

ID MATCH- B-10 Vlog already sets ID matched before shipping, but if you want to use a diferent transmitter or receiver to get paired, please follow the steps to re-set the ID match.
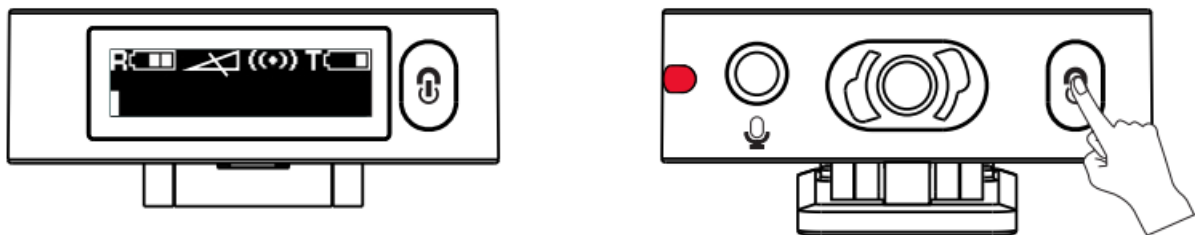
1. Turn of the TX & RX.

2. Hold the power button of the TX and RX for more than 8 seconds, then it will enter to ID match status.

3. Since the TX's LED Shows GREEN, It finishes ID match and enter to normal work status.

NUX offers various of 2.4GHz wireless systems, you can use up to 6 systems simultaneously in one space. Please avoid using other wireless systems together with NUX ones, or there may be noise or interference issues.
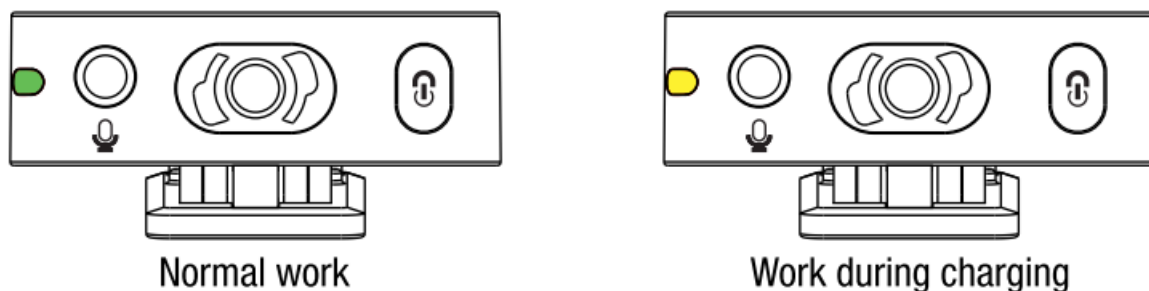
## Function Introduction

**Mute function**

While B-10 works, press the TX's power button once, it will enter to MUTE status, then the TX's LED will show RED, and the RX's display will show:



Press the TX's power button again, it will go back to NORMAL work status. The TX's LED will show GREEN. (f you use the TX during charging, the TX's LED Will show YELLO.)



Normal work

Work during charging

## Specifications

- **Operating requency Band:** 2.4 GHz

- **Operation Length:** <100 feet (30m)

- **Sampling Rate:** 24bit / 44.1 kHz

- **Frequency response:** 50Hz-20kHz

- **Latency:** <5ms

- **Dynamic Range:** 96dB

- **THD+ Noise:** <0.2%@1kHz

- **Built-in Battery Capacity (TX& RX):** 400mAh/3.7V

- **Maximum Input Level(3.5mm TRS):** 100mVrms(-20dBV)

- **Battery Running Time:** 4 hours

- **Microphone on TX:** Omnidirectional Electret Condenser Microphone

- **Maximum Sound Pressure Level:** 110dB SPL

- **Dimensions**
    - **TXRX:** 51mmL) x 42mm(W) x 13mm(H)

- **Weight**
    - **TX/RX:** each 28g

## Accessories

1. Windshield
2. US8 Y-cable
3. 3.5mm TRS(female) to TRRS(male) adaptor cable for Mobile Phone (CTIA starnder)
4. 3.5mm TRS Cable for RX to Camera
5. 3.5mm TRS Y-cable for 2RXs to Camera.

## FCC

**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 harmtul 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 interterence 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.

To maintain compliance with FCC's RF exposure guidelines, The device has been evaluated to meet general RF exposure requirements. The device can
be used in portable exposure conditions without restriction. Use only the supplied antenna.

## Documents / Resources

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|---|---|
|  | **NUX B-10 Vlog Wireless Microphone System** [pdf] User Manual<br>B-10 Vlog, Wireless Microphone System, Wireless Microphone, Microphone System, Microphone, B-10 Vlog Microphone System |

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