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Made in China

NUX

B-3RC

2.4GHZ WIRELESS MICROPHONE SYSTEM



Owner's manual

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.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.



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.

System Overview

The NUX B-3RC is a new generation of 2.4GHz wireless microphone system, designed for those who want to get rid of the cables and enjoy the wireless world without a complicated setup. An extra dynamic microphone is packed into the box of the bundle set.

If the environment is full of RF transmitters, sometimes B-3RC will meet interference, please keep B-3RC at least 3 meters from the Wi-Fi router.

NUX B-3RC offers various of 2.4GHz wireless systems, the units will automatically choose a channel from all 6 channels.

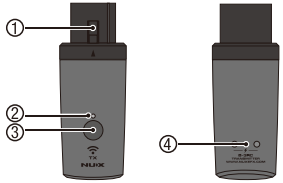
Please avoid using other wireless systems together with NUX ones, or there may be noise or interference issues.

Features

- Easy to use 2.4GHz wireless microphone system
- 24bit Hi-Resolution audio quality
- Ultra-low latency<4.8ms
- Auto pairing and auto channel selection
- Long-lasting built-in lithium battery(3.5 hours working time)

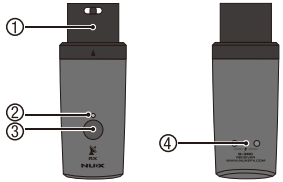
Transmitter

① Female Port
② Battery/Mute Indicator
③ Power/Mute Button
④ Magnetic charging contacts



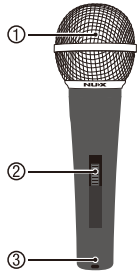
Receiver

① Male Port
② Power/Mute Indicator
③ Power Button
④ Magnetic charging contacts



NDM-4 Dynamic Microphone

① Mic
② Switch
③ Transmitter Port

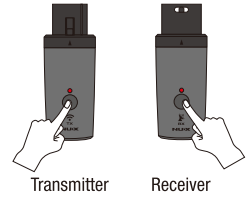


How to Operate

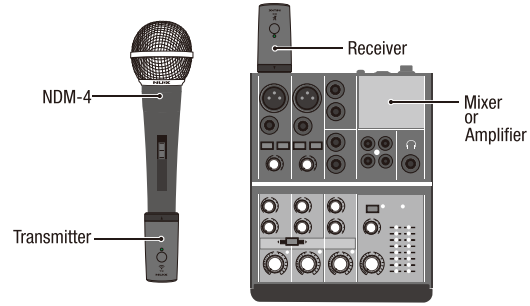
Transmitter and Receiver Pairing

B-3RC has auto pairing and channel group selection. Please follow the steps:

1. Turn on the Transmitter and Receiver units.



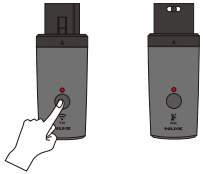
2. The Transmitter and Receiver will get paired automatically. (The device will detect current RF environment and choose the suitable Channel Group to operate while turn on.)
3. Connect the Transmitter to your dynamic microphone, and connect the Receiver to your mixer or amplifier.



4. While you turn on the device, the power indicator(s) will show you the current battery status. The power indicator will show "GREEN" while working, if the Receiver does not get the signal, power indicator will show "RED" .

Mute Mode

While working, if you press the Transmitter's power switch button, the device will enter MUTE mode. The Transmitter and the Receiver's power indicators will show "RED" .



Transmitter Receiver

Battery Status

When turning on the units, the power indicator shows the battery status:



GREEN
Battery level
(100%≥Battery≥75%)

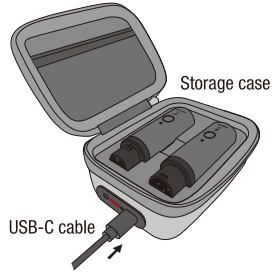
YELLOW
Battery level
(75%>Battery≥50%)

RED
Battery level
(50%>Battery≥25%)

Charge

Rechargeable storage case

Charging the storage case: Connect the USB-C cable to the storage case's USB port, use 5V more than 2A adaptor to charge. It will take around 4 hours to fully charge the storage case.



Using storage case to charge the TX & RX

While the TX & RX are in the storage case, press the storage case's power button, the storage case will start to charge both units. While charging, both units will show RED. The storage case LED indicator will turn off after 5 seconds.

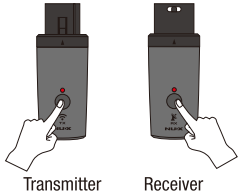


The storage case LED indicator:

Mode	SOC	LED 1	LED 2	LED 3	LED 4
Charging	<25%	Flash	Off	Off	Off
	25% - 50%	On	Flash	Off	Off
	50% - 75%	On	On	Flash	Off
	75% - 100%	On	On	On	Flash
	100%	On	On	On	On
Discharging (All off after 5s)	>75%	On	On	On	On
	50% - 75%	On	On	On	Off
	25% - 50%	On	On	Off	Off
	5% - 25%	On	Off	Off	Off
	1% - 5%	Flash	Off	Off	Off
	<1%	Off	Off	Off	Off

Auto-Off Function

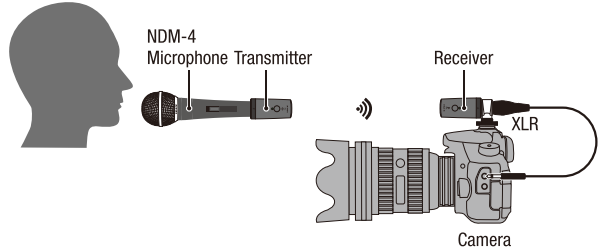
The B-3RC has a built-in auto power off feature. The transmitter or receiver will automatically shut down after 10 minutes if there is no wireless connection.



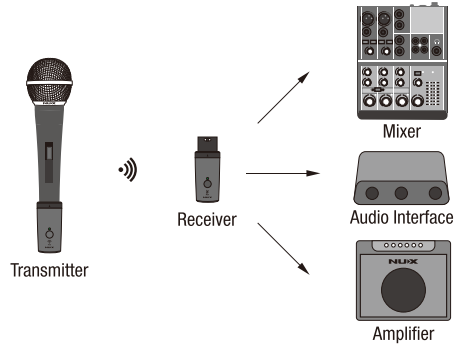
Press the power switch button to wake B-3RC up.

Application Scenarios

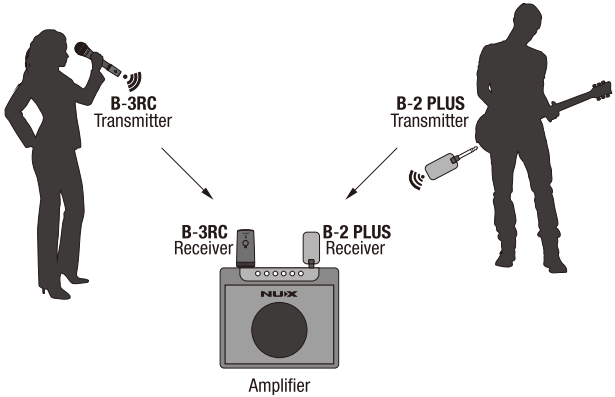
Wireless Recording



Conventional Use 1



Conventional Use 2



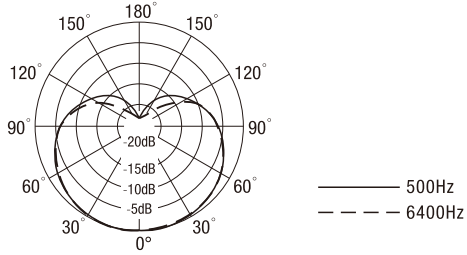
Specifications

- Operating Frequency Band: 2.4 GHz ISM
- Transmission Power: <10 mW EIRP
- 24 bit sampling accuracy
- Latency: <4.8ms
- Transmission Range: Up to 100 feet line - of - sight
- THD + Noise < 0.1% @ 1kHz
- Built-in Battery Capacity (TX & RX): 330mAh/3.7V
- TX/RX Battery Running Time: 3.5 hours
- TX/RX Battery Charging Time: around 2.5 hours
- Storage Box Battery Capacity: 3000mAh/3.7V
- Storage Box Battery Charging Time: around 4 hours
- Dimensions
  Transmitter: 80mm(L) x 24mm(W) x 24mm(H)
  Receiver: 80mm(L) x 24mm(W) x 24mm(H)
- Weight
  Transmitter: 36g
  Receiver: 36g

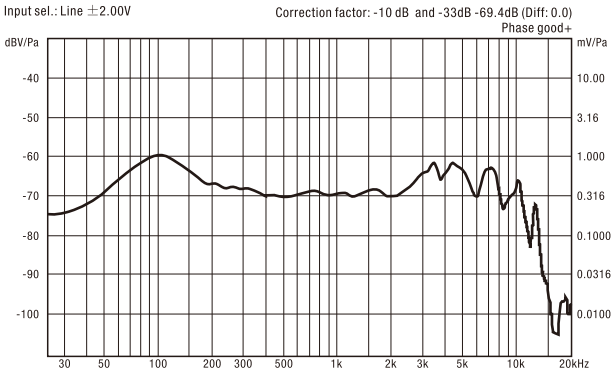
*Specifications and appearance subject to change without notice.

NDM-4 Dynamic Microphone

Polar Pattern



Frequency Response Cure



Specifications

- Type: Dynamic Type
- Impedance: 600Ω ±15% (AT 1kHz)
- Sensitivity: -48.4 ± 3dB (0dB = 1v/pa)
- Frequency Response: 50Hz - 15kHz
- Direction: Uni - Directional (Cardioid) Polar Pattern
- Operating Temperature: -30˚C - 60˚C
- Construction: Sponge Ref - shake Type
- Dimensions:164mm(L) x 50mm(W) x 50mm(H)
- Weight: 213 g

*Specifications and appearance subject to change without notice.

What's in the package?

- Transmitter x 1
- Receiver x 1
- NDM-4 x 1
- Mic Pouch x 1
- Charging Cable x 1
- User Manual x 1