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NUX



C-7

**5.8GHz WIRELESS
IN-EAR MONITOR SYSTEM**

Statement

The earphone is shown for demonstration purpose only and is not included with the purchase of this product.

包装上的耳机仅用于产品功能展示，不包含在销售的产品中。

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.

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



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 C-7 Stereo Wireless In-Ear Monitor System operates on the globally open 5.8GHz frequency band and features automatic pairing and power-on channel detection. Users can freely switch between automatic and manual pairing modes, with multiple selectable channels available. The system supports mono/stereo monitoring modes, making it compatible with various audio devices.

It offers 1-to-1 or 1-to-many wireless transmission, suitable for personal monitoring as well as group settings such as small bands or teaching environments, with a transmission range of up to approximately 30 meters. Both the transmitter and receiver are equipped with high-brightness displays for easy status monitoring. The receiver also includes multiple monitoring EQ presets, effectively reducing the occlusion effect that often occurs when using in-ear monitors during singing or speaking. This delivers a more natural sound and helps you achieve better performance on stage.



Stereo/Mono



30m Distance



Clear Screen



Multiple Monitor EQs



Charging Box



Multi-Channels

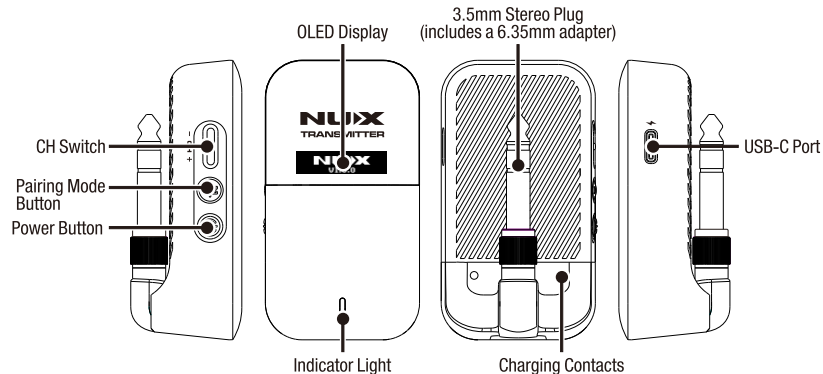


1-to-1 & Many

How to Operate

Product interface

Transmitter



How to Operate

CH Switch:

In Auto Paring Mode, Short Press to re-scan the environment.

Note: the audio signal will mute shortly due to the re-scan.

In Manual Paring Mode, Short Press the CH Switch, the device will automatically switch to the optimal channel.

- Toggle towards (-) will increase the channel by 1.
- Toggle towards (+) will decrease the channel by 1.

Note: you will have to manually set the receiver to the corresponding channel.

You can Press and Hold the CH switch (-/+) and Power Button while powering on to toggle between Mono/Stereo Mode.

Pairing Mode Button:

Press and hold for 1 second to switch between AUTO / MANUAL pairing modes.

Power Button:

Press and hold for 2 seconds to power on/off. After device is locked, Double Press to unlock the device.

OLED Display:

Displays battery level, mode, channel, and other system information.

Indicator Light:

Shows the connection status.

3.5mm Stereo Plug:

For connecting to the headphone output of a personal mixer or similar device (includes a 6.35mm adapter).

Charging Contacts:

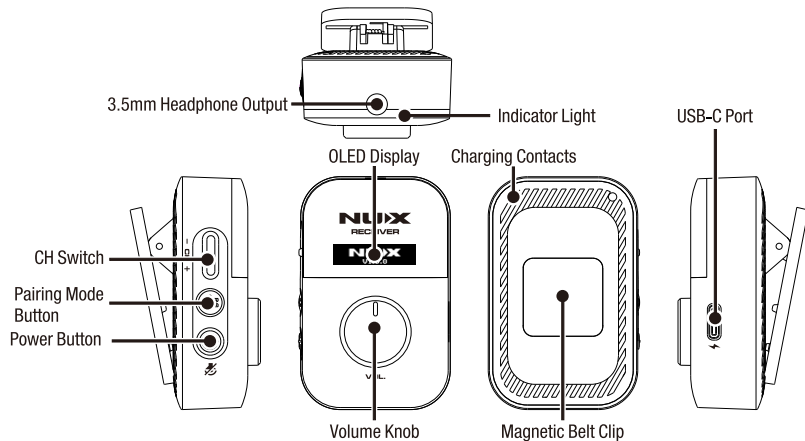
Used for charging inside the battery case.

USB-C Port:

Plug into a USB-C cable to charge the device, or to perform a firmware upgrade.

How to Operate

Receiver



How to Operate

CH Switch:

In Manual Pairing Mode (MANUAL), you can toggle the switch to change channels. There are 9 channels available.

- Each toggle toward (-) increases the channel by 1
- Each toggle toward (+) decreases the channel by 1
- Press downward to switch EQ presets

Pairing Mode Button:

Press and hold for 1 second to switch between AUTO / MANUAL pairing modes.

Power Button:

Press and hold for 2 seconds to power on/off. After device is locked, Double Press to unlock the device. Short press to mute the receiver output.

3.5mm Headphone Output:

For connecting headphones.

Indicator Light:

Displays the connection status.

OLED Display:

Displays battery level, mode, channel, and other system information.

Volume Knob:

Used for adjusting output volume.

Charging Contacts:

Used for charging inside the battery case.

Magnetic Belt Clip:

Can be clipped onto clothing or straps, or attached magnetically on the Magnetic Patch.

USB-C Port:

Plug into a USB-C cable to charge the device, or to perform a firmware upgrade.

How to Operate

AUTO Mode

Each C-7 unit is preset with a pairing ID in AUTO Mode at the factory. Simply power on both the transmitter and receiver, and they will automatically pair within a few seconds, selecting the best available channel to establish a stable connection.

Note: if you are experiencing interference in your curent environment, you can push down the CH Switch to force the device to re-scan the envirenment and change to a cleaner channel.

To re-pair devices in AUTO mode, follow the steps below:

1. Power on both the transmitter and receiver, then press and hold the Pairing Mode Button to ensure they are set to AUTO Mode, and power them off again.



2. Press and hold the receiver's Power Button for 8 seconds to power on and enter pairing mode (this also applies to one-to-many pairing).
3. Press and hold the transmitter's Power Button for 8 seconds to power on and enter pairing mode.
4. The devices will now perform a rapid re-pairing process. When the indicator light flashes green, pairing is complete.

How to Operate

MANUAL Pairing Mode

To use Manual Pairing Mode, follow the steps below:

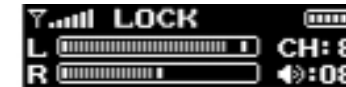
1. Power on both the transmitter and receiver, then press and hold the Pairing Mode Button to ensure they are set to MANUAL Mode.



2. Toggle the CH Switch on both the transmitter and receiver to select a channel. Pairing is completed once both devices are set to the same channel (supports one-to-many pairing as well).
3. Push Down the CH switch on the transmitter, transmitter wil scan the environment and switch to the optimal channel. You will have to manually set the receiver to the corresponding channel.

Auto-Lock Function

The C-7 system detects button inputs. If no input is detected within 60 seconds, the device automatically locks to prevent accidental activation. To unlock it, simply double-press the power buton.



How to Operate

Monitor EQ Presets

When using in-ear monitor earphones, sound waves resonate within the ear canal, causing an occlusion effect, where frequencies below approximately 1000 Hz are amplified, resulting in a muffled sound. This may lead to misjudgment of pitch and volume. To address this, the C-7 is equipped with multiple Monitor EQ Presets designed to reduce the occlusion effect and deliver a clearer, more natural monitoring sound.

To set the Monitor EQ preset:

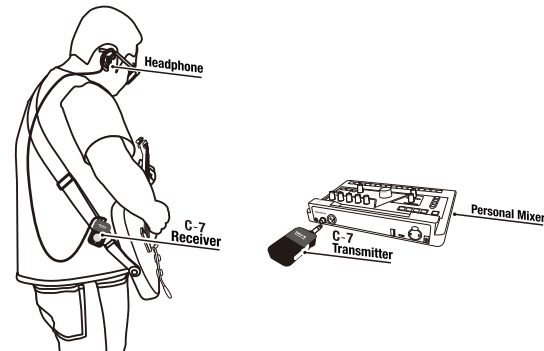
1. Press the CH Switch on the side of the receiver to enter the MONITOR EQ interface.
2. Toggle the switch up or down to select from five EQ presets.



How to Operate

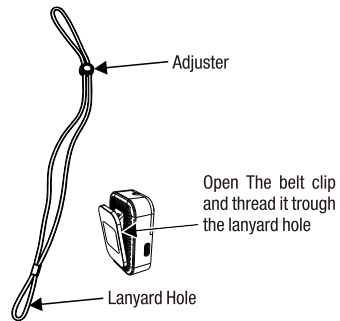
The C-7 system supports multiple mounting mechanisms, you can use the accessories in the box to mount the receiver the way you like.

Clip-on



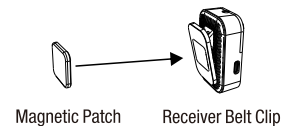
How to Operate

Lanyard



How to Operate

Magnet mount



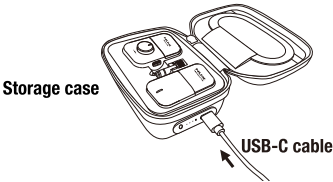
How to Operate

The C-7 is already ID matched prior to shipping, but if you want to pair a different transmitter or receiver, please follow the steps to re-set the ID match.

- Turn off the TX & RX.
- Hold the power button of the TX and RX for more than 8 seconds, then it will enter to ID match status.
- When the TX's LED shows GREEN, it finishes ID match and enter to normal work status.

NUX offers various 5.8GHz wireless systems, you can use up to 10 systems simultaneously in one space. To prevent noise or interference issues, please avoid using other wireless systems together with NUX systems.

Charge



Rechargeable storage case

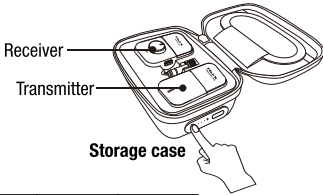
Charging the storage case: Connect the USB-C cable to the storage case's USB port, use 5V more than 2A adaptor to charge.



How to Operate

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.

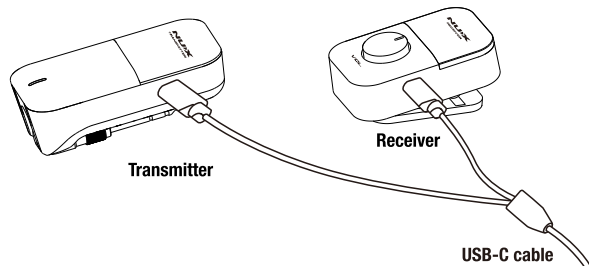


The storage case LED indicator

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

How to Operate

Using USB-C cable to charge the TX & RX



You can also charge the wireless units directly by using the USB-C cable (included).

When using a USB-C dual charging cable, please use a 5V power adapter with a total output current of no less than 2A.

Specifications

- **Frequency Band:** 5.8 GHz ISM (5.725GHz–5.85GHz)
- **Transmission Power:** <25 mW EIRP
- **Operation Range:** < 30 m
- **Latency:** 7.5 ms
- **Dynamic Range:** 96 dB
- **THD+Noise:** < 0.4% @ 1 kHz
- **Input Impedance (Transmitter):** 3.7 k Ω
- **Maximum Input Level (Transmitter):** 2.7 Vrms
- **Recommended Headphone Impedance (Receiver):** 16-32 Ω
- **Maximum Output Power (Receiver):** 57 mW RMS
- **Operating Time :** Approx. 6 hours
- **Charging Time :** Approx. 3 hours
- **Battery:** 3.7 V / 750 mAh (Transmitter)
3.7 V / 500 mAh (Receiver)
3.7V / 3000 mAh (Charging Box)
- **Dimensions & Weight:**
Transmitter: 76×42.5×30mm / 50g
Receiver: 58.5×38×33mm / 40g

Accessories

- Stereo audio adapter
- USB-C cable
- Manual
- Rechargeable Storage Box
- NUX sticker
- Magnetic Patch
- Neck Lanyard