

neatron

# 2.4G Wireless Microphone



NR201



NT201



NR202



NT202

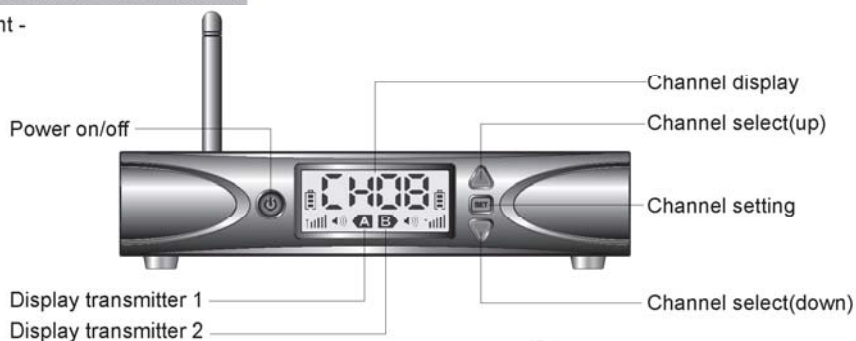
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NEATRON CORP.

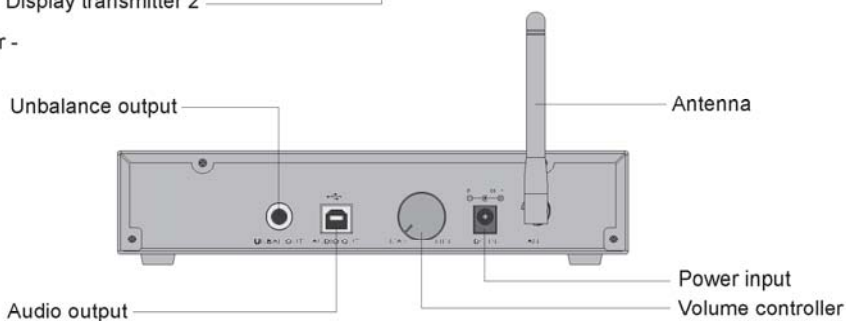
## 1. Parts and Functions

### Table Stand Receiver - NR201

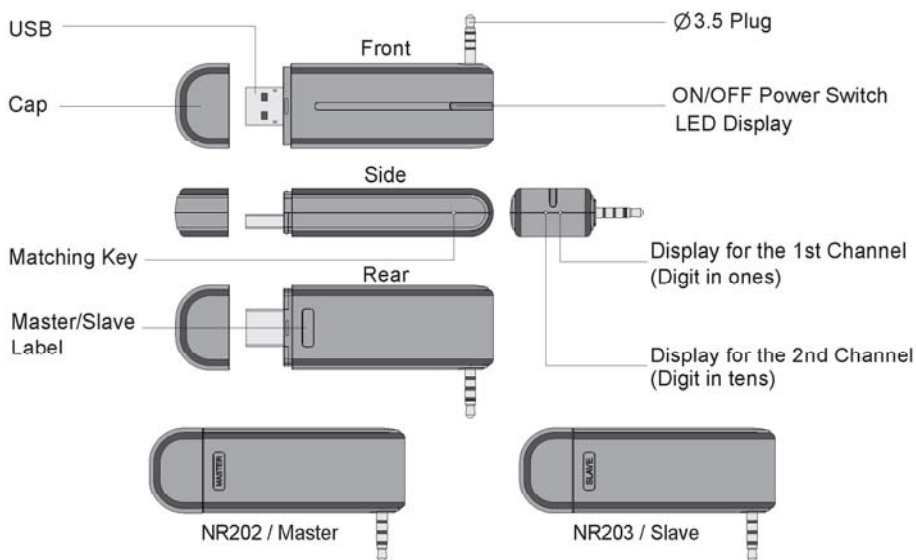
- Front -



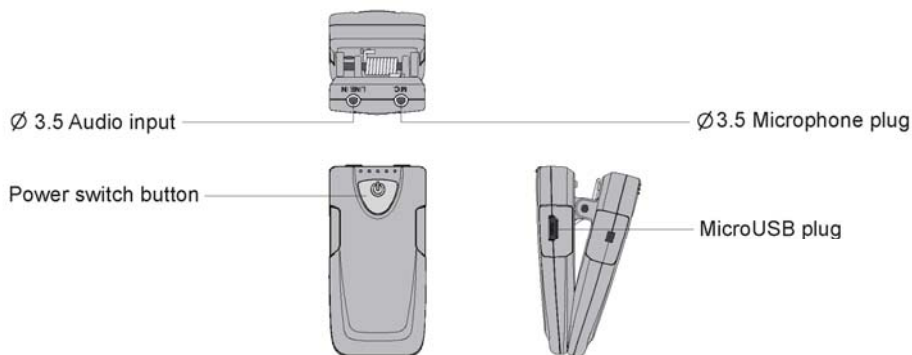
- Rear -



### Portable Mini Receiver - NR202/NR203



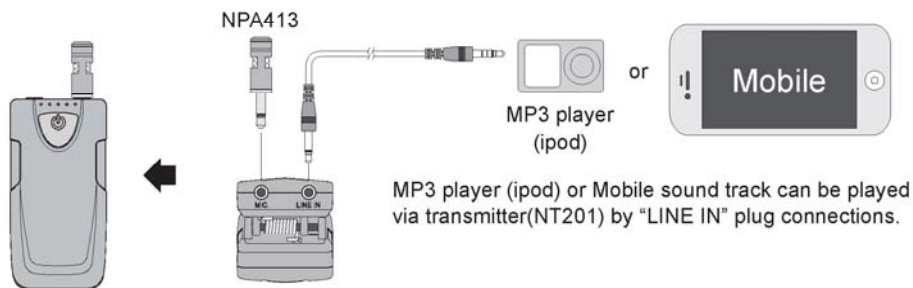
## Transmitter - NT201



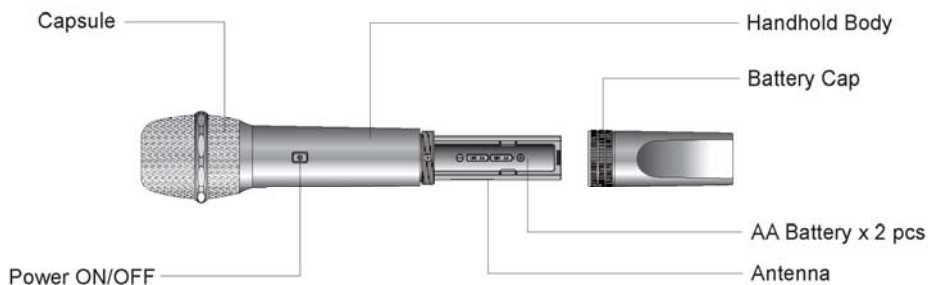
## Microphone - NPA413



## Transmitter with MIC. / LINE IN



## Transmitter - NT202



### ON/OFF Functions

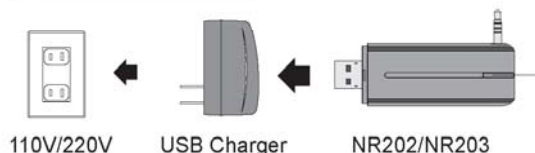


ON : Push the ON/OFF switch button till the Blue light is on.  
 OFF : Push the ON/OFF switch button for at least 3 seconds till the Blue light is off.

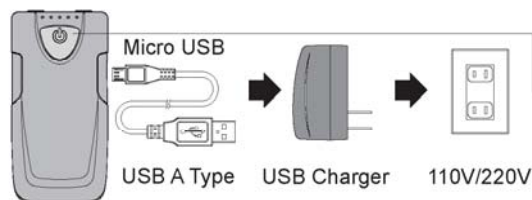


ON : Push the ON/OFF switch button till the Blue light is on and Red light is blinking (channels matching status)  
 OFF : Push the ON/OFF switch button for at least 3 seconds till the Blue light is off.  
 Mute: Click power switch once while operation.  
 Click again can bring back the sound.

### Li-On Battery Charging



In charging : Blue light is on.  
 Complete charging : Green light is on.  
 Running out power : Blue light is blinking.



In charging : Red light is on.  
 Complete charging : Green light is on.  
 Running out power : Blue light is blinking.

### AA Battery Change

NT202



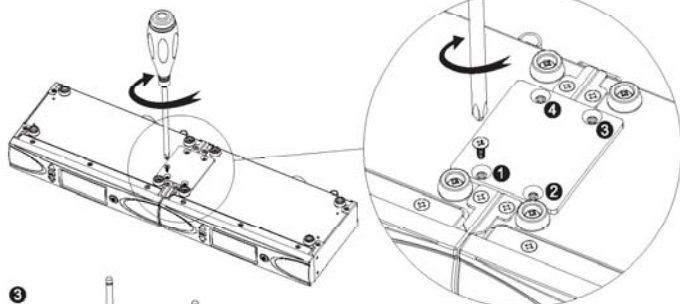
Turn counterclockwise to take off the battery cap.



Load 2 pcs of new AA batteries.

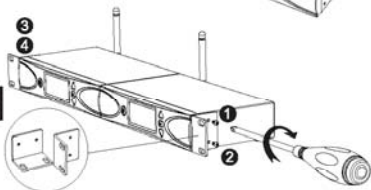
## Steps for assembling the Receiver (NR201) device

A



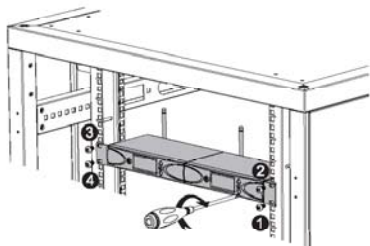
1. Flip over 2 pcs of receivers and link together with 4 screws as graphic (A).

B



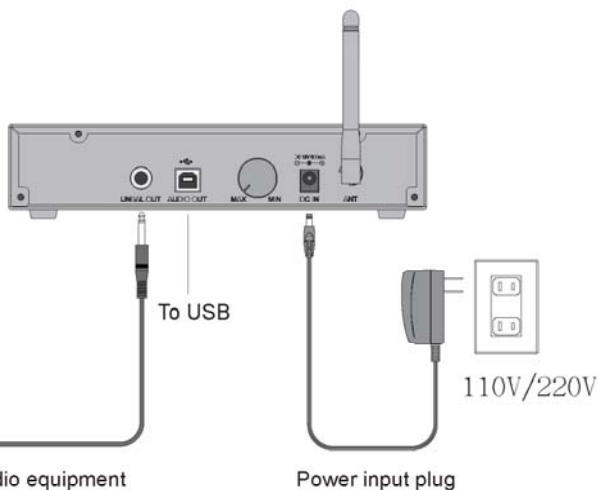
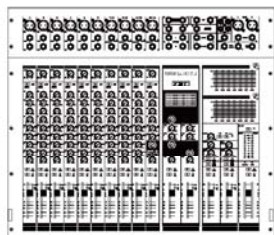
2. Screw up both sides and back of the unit to the rack. Fix both sides of iron plates with screws as graphic (B).

C



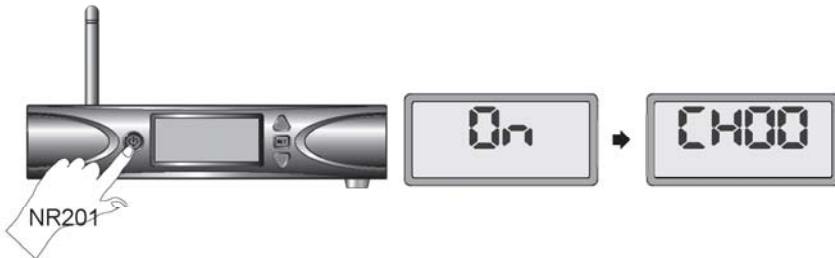
3. Load the whole device into cabinet and fix with screws as graphic (C).

## Set up the Receiver(NR201) device



### Signal connection

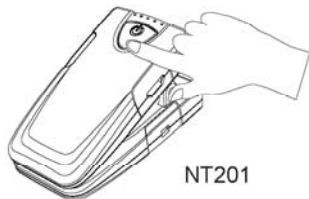
1. Press power ON/OFF button for a few seconds until LCD monitor display from "On" turn to "CH00".



2. Press Transmitter ON/OFF button to get LED lighting display.

Blue: Power acts normal  
Red: Search channel in process



Blue: Power acts normal  
Red: Search channel in process



OR



Put back the battery cap then press Transmitter ON/OFF to get LED lighting display.

3. Load the 1st Transmitter close to Receiver device within 2M distance, when red light turn to be off means channel searching has succeeded. LCD display will show  , then take the 2nd Transmitter repeat the same action to get .



4. Push the ON/OFF switch button for at least 3 seconds till the LCD lighting display is off.



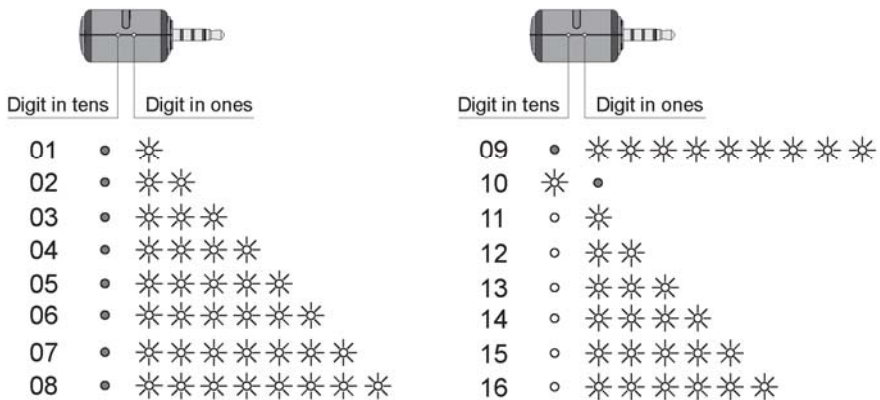
## Set up channels on Portable Mini Receiver - NR202

1. Click the power button shortly to turn ON the Blue light, then release finger from the power button.
2. Press the power button to prolong for 3 seconds and wait for the Blue light OFF.
3. Keep on pressing the power button for 5 more seconds till the Red light of either digit in ones or tens is ON.
4. Release finger from the power button to start reading channels:
  - (A) Only the Red light of digit in ones is ON and blinking:
 

Blinking	once	→	at channel 1.
	twice	→	at channel 2.
	⋮		⋮
	nine times	→	at channel 9.
  - (B) Only the Red light of digit in tens is ON without blinking → at channel 10.
  - (C) When the Red lights of digit in ones and tens are both ON means it's in a decimal system:
 

Digit in tens is ON without blinking + Digit in ones is ON and blinking once	→	at channel 11.	
	twice	→	at channel 12.
	⋮		⋮
	six times	→	at channel 16.
5. When the Red lights are both OFF means it's not in channels set up mode, please operate from start again.

Detailed channels recognition as the graphic:

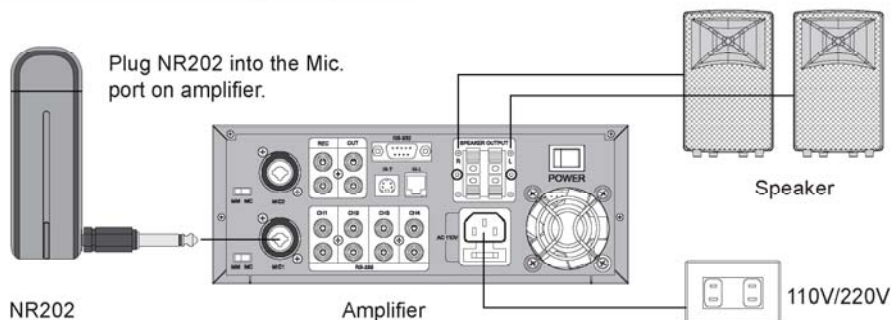


### Way to convert the Receiver connector from Ø3.5 to Ø6.3



### 2.Applications :

Receiver+Transmitter+Amplifier+Speaker



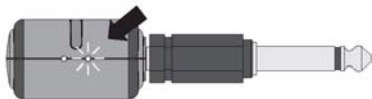
- ※ Set up devices as above graphic then follow the steps for Receiver/Transmitter channels matching as below :

#### Steps for Receiver/Transmitter channels matching

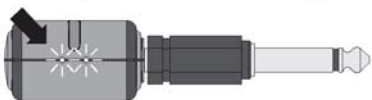
1. Push the power switch of NR202 till the Blue light is on.
2. Plug Mic.(NPA413) into Transmitter(NT201) then push the power switch till the Blue light is on and Red light is blinking.



Approach NT201 to NR202 within 1 meter distance for channels matching. When the Red light of the 1st Transmitter(NT201) on Receiver(NR202) is ON and the Red light of Transmitter(NT201) is OFF means the Transmitter(NT201) and Receiver(NR202) are matching successfully.



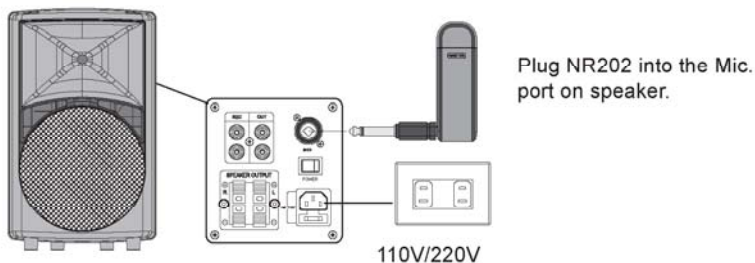
3. Take out the 2nd Transmitter and repeat the above procedure to confirm the 2nd Transmitter is also connecting with Receiver(NR202) successfully. (Both Red lights on Receiver are ON)



4. Check Microphone functions okay.



Receiver+Transmitter+Active Speaker(Amplifier is bundled inside)



※ Follow the steps for Receiver/Transmitter channels matching in page 7.

Recording Function - Receiver+Transmitter+Mobile phone



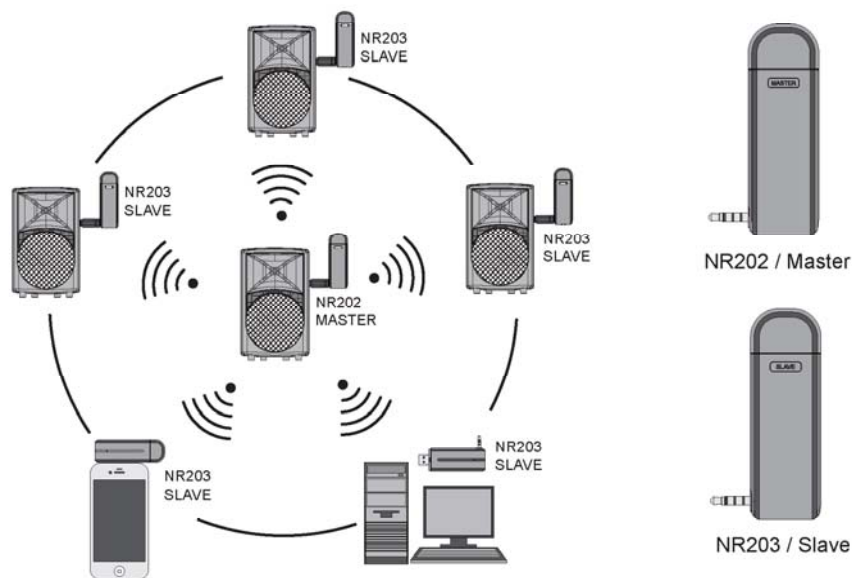
- (1) Plug NR202 into mobile earphone port
- (2) Follow the steps for Receiver/Transmitter channels matching in page 7.
- (3) Active the recording function in mobile phone.

Recording Function - Receiver+Transmitter+PC



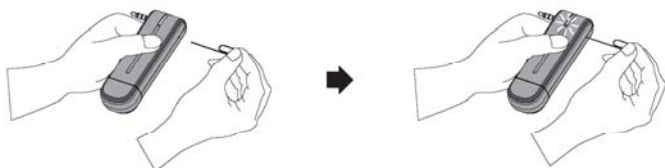
- (1) Plug NR202 into USB port on PC.
- (2) Follow the steps in Remark (page 11) for program setting up.
- (3) Proceed channels matching in page 7 and check the microphone function okay.
- (4) Active the recording function in PC.

## Transmitter+Multiple Receivers+Multiple Players/Recorders



※ This function have organized all individual applications. Users can select play or record the sound track via the Master Transmitter(NR202) or multiple Slave Transmitters(NR203).

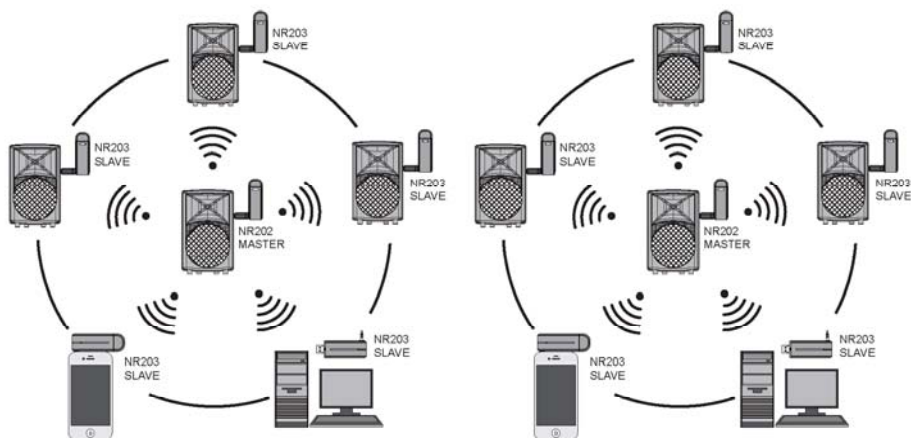
## Master/Slave Receivers channel matching



- (1) Push the power switch on Master and Slave Receivers till the Blue lights are both on.
- (2) Use a paper clip or other proper tool to press the matching key on Slave Receiver till the Blue light is blinking.
- (3) Same procedure for the Master Receiver.

- ※ When Master and Slave Receivers are connecting successfully, the Blue light on Slave Receiver will stop blinking immediately.
- ※ The Blue light on the Master Receiver will be off after blinking 10 seconds no matter the channels matching is successful or failure.
- ※ When the channels matching fail, the Blue light on Slave Receiver will be off after blinking for 10 seconds.

## Transmitter+Multiple Receivers+Multiple Player/Recorder groups



- ※ When there are 2 or more than 2 Master Receivers in same circumstance, the Master Receivers must be set up with different channels to avoid frequency interferences.
- ※ All Slave Receivers shall be with the same channel as the Master Receiver.
- ※ When there are 2 or more than 2 Master Receivers are setting channels at the same time in same circumstance, please keep at least 1M distance among these Master Receivers to avoid interferences or channels occupied.



### Federal Communications Commission (FCC) Statement

(if the product is smaller than palm size, it could be listed in user manual for instead.)

#### **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 of the device.

#### 15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

#### 15.105(b)

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.

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- 1) this device may not cause harmful interference and
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