

# OWNER'S GUIDE

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BT 120 NC



 **PHIATON**



## WIRELESS EARPHONES with ACTIVE NOISE CANCELLING Thank you for purchasing the PHIATON BT 120 NC

- Please follow the directions, and read the guidelines carefully before use. Please keep the owner's guide for future reference.
- Some functions of the BT 120 NC may not be available when it is paired with certain devices.
- The specifications are subject to change without prior notice for quality improvement.

English

한국어

Deutsch

Français

Español

русский

中國語

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# 1. SAFETY AND GENERAL INFORMATION

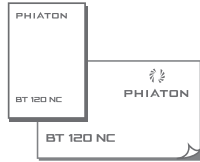
- 1) Use a standard USB charging cable (included), with or without a charging adapter. (5V, over 1 A)  
\* Adapter Not Included.
  - 2) Lower the volume prior to listening to audio to prevent potential damage to eardrums caused by sudden loud sound.
  - 3) Listening to loud music for extended periods of time may cause hearing damage.
  - 4) Do not store the device in places with a temperature higher than 113 °F/ 45 °C.
  - 5) This device is IPX4 sweat and water resistant. Please note that it is not waterproof. Please use caution not to oversaturate with moisture or leave excessive moisture on the device as this can damage the internal components. (For more information, refer to the contact us page within our website –[phiaton.com](http://phiaton.com).)
  - 6) Do not attempt to disassemble, modify or repair the device.
  - 7) Do not cause shock to the device.
  - 8) Keep out of the reach of children and pets.
  - 9) Do not tug on cords or touch power plugs with wet hands.
  - 10) Do not use the device near microwave ovens or wireless LAN adaptors.
  - 11) When the product is not being used, please keep it in the Charging Speaker Case.
  - 12) When cleaning the device, use a clean dry cloth to wipe the device clean. (Do not use solvents.)
  - 13) To clean the ear tips, remove from earphones, wash with warm water, dry completely and check for debris before reattaching.
  - 14) Replacement ear tips can be purchased from Phiaton Customer Service.  
Email us at [SUPPORT@PHIATON.COM](mailto:SUPPORT@PHIATON.COM)
  - 15) Using the device while walking or driving may prevent user from hearing important sounds such as signals or alarms and may impose hazardous conditions on yourself or others. Heed caution during use.
  - 16) The radio waves of this device may affect electronic medical devices. If you use any electronic medical device, consult your doctor or the medical device company before you use it.
- ※ Use the BT 120 NC only for its intended purposes.
- ※ This device cannot be used for purposes related to human safety as it may cause radio interference during operation.

## 2. COMPONENTS & FEATURES

### 1) COMPONENTS



BT 120 NC



Warranty Card &  
Quick Guide



Micro USB 5pin  
Charging Cable (200mm)



2 Sizes of ear wings

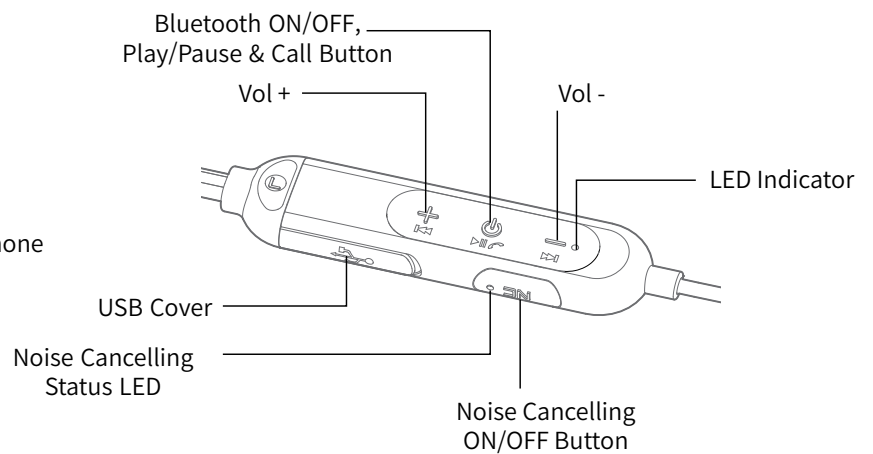
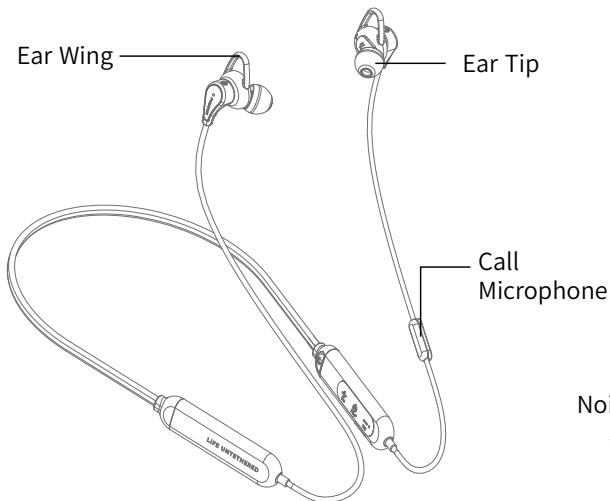


3 Sizes of ear tips



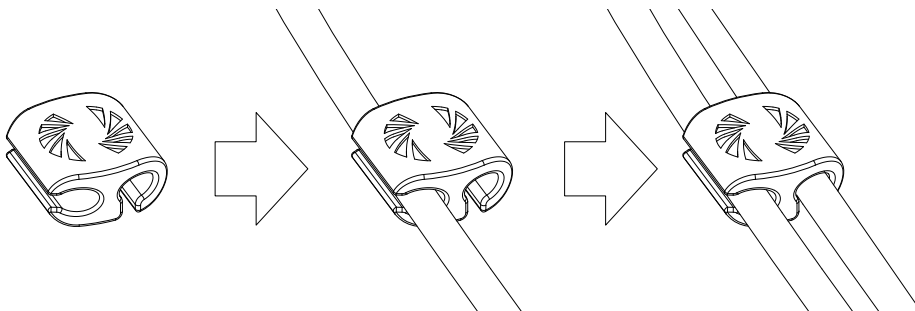
Wire Clip

### 2) Features

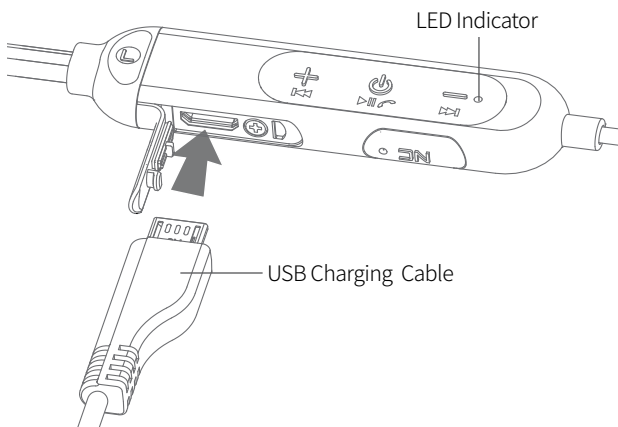


### 3) HOW TO USE the WIRE CLIP

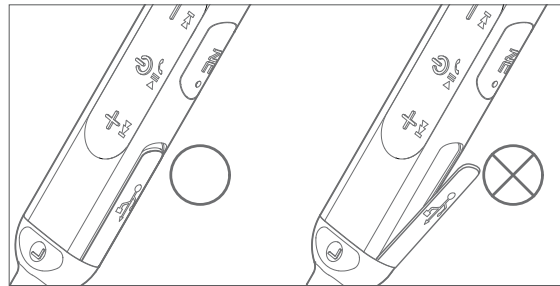
Insert the wire into the groove on both sides of the wire clip, then move it up and down to find the proper position.



### 3. Charging



**LED Indicator**  
 Charging: Red Light  
 Charging Complete: Blue Light



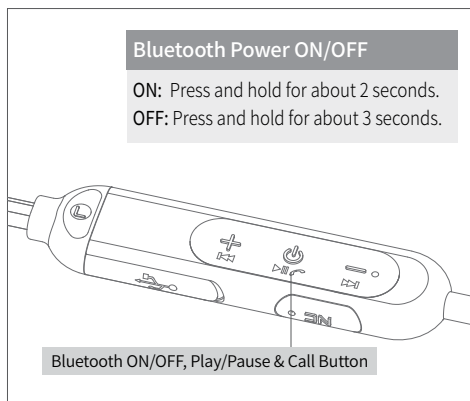
The device may not be charged upon purchase and must first be charged before use.

- 1) Open the USB cover on BT 120 NC and connect the provided USB charging cable.
- 2) Connect the provided USB charging cable with a computer (laptop) or you may also use a separately purchased USB adaptor (rating: 5V/over 500mA) to begin charging.

This device has a built-in battery, so it will begin charging automatically when you connect the charging cable.

- 3) During charging, the BT 120 NC can not be powered on.
  - 4) After charging is complete, disconnect the USB charging cable and close the USB cover securely.
- Outside substances (e.g., water, dust etc) entering the headset can cause malfunction.

### 4. POWER ON/OFF AND STANDBY MODE



#### 1) Power ON/OFF

- Press and hold the [CALL/POWER] Button for 2 seconds to turn the power on.
- Press and hold the [CALL/POWER] Button for 3 seconds to turn the power off. (Power will not turn off during if there is an incoming call.)
- When turning power on/off, there will be a vibration notification.

※ Pairing mode will start once the power is turned on for the first time after purchase.

※ The noise cancelling function is disabled when power is off.

Status	Operation	LED Indicator	Vibration Notification
ON	Press and hold the CALL/ POWER button for 2 seconds	Purple light turns on for 1 second	Vibrates once for 0.3 second
OFF	Press and hold the CALL/ POWER button for 3 seconds	Red light blinks 5 times	Vibrates twice for 0.3 second

## 2) Connection Standby Mode

- When power is turned on, the BT 120 NC will go into 'Connection Standby Mode' if it does not connect to a 'Bluetooth Device' or is in 'Pairing Mode'.
- If the 'Bluetooth Device' is not connected within 5 minutes while in 'Connection Standby Mode', the earphones will automatically turn off.

Status	LED Indicator
Connection Standby Mode	Blue light blinks twice in 5 second intervals

## 5. PAIRING WITH A 'BLUETOOTH DEVICE'

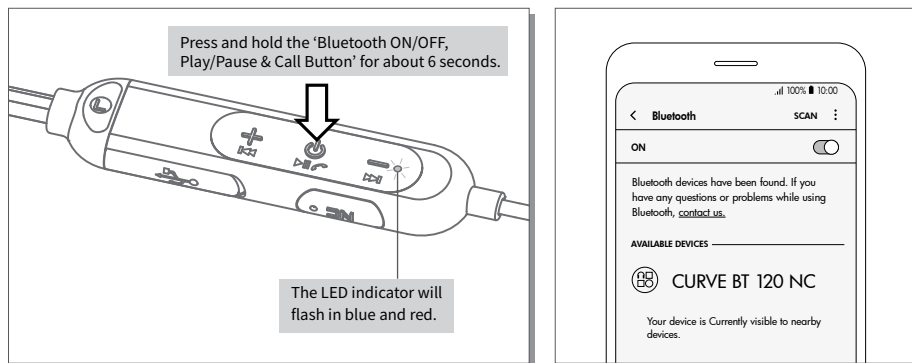
### 1) Pairing

- Turn on the Bluetooth feature with the 'Bluetooth Device' you want to connect with the BT 120 NC.
- Place the BT 120 NC within 3 feet of the 'Bluetooth Device' you want to connect.
- Press and hold the PLAY Button for over 6 seconds with the BT 120 NC power on to enter Pairing Mode.

Status	LED Indicator	Voice Guidance
Pairing Mode	Blue and Red light alternately blinks	Pairing Mode activated

- Within the 'Bluetooth Device' you want to connect, search/select 'CURVE BT 120 NC'.

※ If the 'Bluetooth Device' requires a PIN CODE or password, enter '0000'.



- Use the earphones to play music or connect a call.

Operation	LED Indicator	Voice Guidance
Connection complete	After Purple light blinks twice, blue light blinks once in 6 second intervals.	Device connected

## 2) Re-connecting a Disconnected Device

### ① Auto Connection

- Once the device has been paired with a 'Bluetooth Device' it will automatically connect to a previously connected device once the BT 120 NC power is turned on.
- Device will not automatically re-connect if Bluetooth was previously disconnected due to the device exceeding the maximum communication range. If such a case, please connect manually when you are within the maximum communication range (33 feet).

- ② Manual Connection - When having entered 'Connection Standby Mode' during connection
  - Press the CALL/POWER Button or the PLAY Button on the earphone to connect.
  - The BT 120 NC will also be connected if you select 'BT 120 NC' from the device search list within your 'Bluetooth Device'.

### 3) Checkpoints Upon Pairing

- Check to see whether the Bluetooth feature is activated within the 'Bluetooth Device' you want to connect.
  - When selecting the connection device, connect by selecting stereo headset device.  
Music cannot be played when connected through mono headset.
- ※ In order to properly use the Bluetooth feature of this device, the profile (A2DP, HSP, HFP and AVRCP) of the 'Bluetooth Device' you are trying to connect must support the profile of this device.
- \* A2DP - Advanced Audio Distribution Profile, HSP - Headset Profile, HFP - Hands Free Profile, AVRCP - Audio/ Video Remote Control Profile
- ※ The device will not operate properly if the profiles are not supported equally. Even when the profiles are supported equally, some features may not properly operate depending on the 'Bluetooth Device' specifications.
- ※ To check the detail specifications of this earphone's profile, refer to 'SPECIFICATIONS'.
- ※ For any other inquiries, please contact Phiaton Customer Service.

## 6. MULTIPOINT CONNECTION

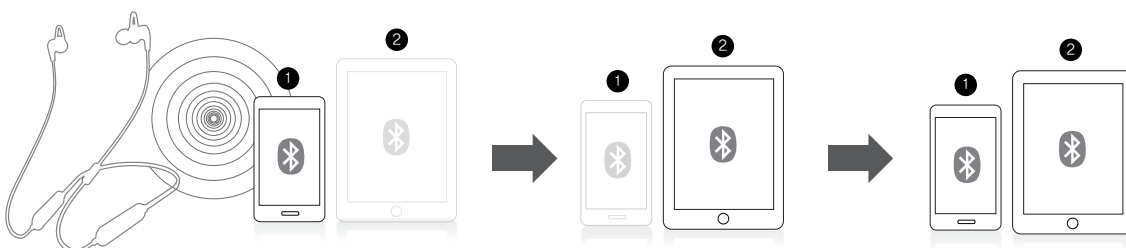
### 1) What is 'Multipoint Connection'?

- This is a feature where BT 120 NC users can simultaneously connect to two Bluetooth devices.

### 2) Multipoint Connecting

- Turn on the Bluetooth feature within the two 'Bluetooth Devices' you want to connect with BT 120 NC.
- Refer to '5. PAIRING WITH A 'BLUETOOTH DEVICE'' to pair the first device with the BT 120 NC.
- Press and hold the PLAY Button again for 6 seconds to enter 'Pairing Mode'.  
(Here, the first device becomes disconnected)
- Once in 'Pairing Mode', connect to the second 'Blue Device'.
- On the first 'Bluetooth Device' you want to connect, select 'BT 120 NC' again.
- Now, both of the 'Bluetooth Devices' will be connected simultaneously, and the second connected device will control 'BT 120 NC'.

- ※ BT 120 NC will go into Sleep Mode when devices are not connected within two minutes. When trying to connect a device while in Sleep Mode, press any button and it will be in 'Connection Standby Mode'
- ※ When the BT 120 NC power is turned off and back on, only the second paired device will automatically be connected. When the first paired device is reconnected, then both of the devices will remain connected.



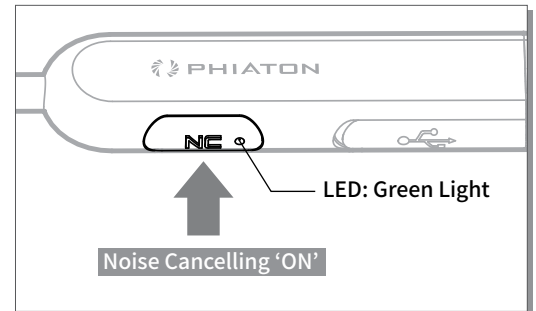
## 7. Noise Cancelling Function

### 1) What is 'Noise Cancelling'?

- Noise Cancelling refers to a technology that reduces noise from mid/low pitched sounds under 1kHz.

### 2) Turning Noise Cancelling Feature ON/OFF

- With Bluetooth power on, press the Noise Cancelling ON/OFF Button for about 0.5 second to start noise cancelling function, and press again for about 0.5second to stop noise cancelling function.
- ※ The noise cancelling function is disabled when power is off.



### 3) Cautions regards to the Noise Cancelling function

- Noise Cancelling function cannot be used when the battery is completely discharged.
- Use while driving or walking will prevent outside Noise, such as signals or alarms, from being heard and may be dangerous to yourself and others. Heed caution during use.
- Noise Cancelling is optimized for mechanical noises from airplanes, buses, and subway trains and is not required for use within quiet interior environments.

## 8. LISTENING TO MUSIC (PLAY & CONTROL)

### 1) Playing Music

- Shortly press the PLAY Button once to play music from the 'Bluetooth Device'.
- While music is playing, shortly press the PLAY Button to pause.

### 2) Volume and Track Control

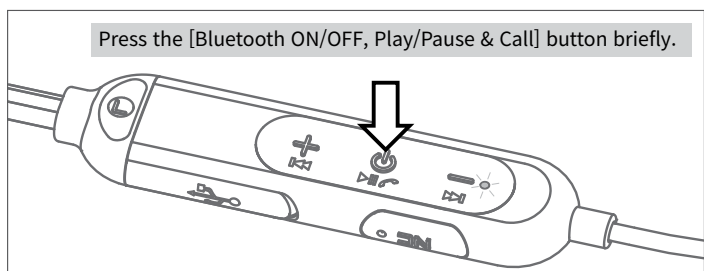
- Press the (+)/(-) Button to control the volume.
- Press and hold the (+)/(-) Button for about 1 second to go to the next / previous song. (After 1 second, you will hear a 'beep' tone)

- ※ You can also control volume and track through your 'Bluetooth Device'.

## 9. ACCEPTING / MAKING A CALL WHILE PLAYING MUSIC

### 1) Accepting a Call while Playing Music

- When you hear the incoming call tone through your earphones or the BT 120 NC vibrates indicating an incoming call, press the CALL/POWER Button.
- Once the call has ended, press the CALL/POWER Button to terminate the call. Once the call is terminated, the paused music will play again.





## 10. CALL FUNCTION

### 1) Accepting a Call

- When you hear the incoming call tone through your earphones or the BT 120 NC vibrates indicating an incoming call, press the CALL/POWER Button. (Adjusting Call Volume: to control the call volume, Press the (+)/(-) Button)

### 2) Ending a Call

- While on a call, shortly press the CALL/POWER Button to end the call.

### 3) Rejecting a Call

- When you hear the incoming call tone through your earphones or the BT 120 NC vibrates indicating an incoming call, press and hold the CALL/POWER Button for about 1 second.  
(After hearing the 'beep' signal tone, the incoming call is rejected and the voice guidance "Call Ignored" is heard)

### 4) Making a Call

- Please use the call function on your mobile phone.  
When connecting a call, the vibration is ringing twice for 0.6 seconds.

### 5) Call Standby

- When there is another incoming call while on a call.  
(Supported only when having applied for this service with your telecom provider)
- Press and hold the CALL/POWER Button for about 1 second to place the current call on call standby and connect the second call. (Press the CALL/POWER Button again for about 1 second to switch back to the call on standby)
- Shortly press the CALL/POWER Button to end the current call and connect the second call.

### 6) Making a Call through Voice Command.

- (Supported within mobile phones that support the voice command feature)
- While on standby, shortly press the CALL/POWER Button until you hear a 'beep' tone.

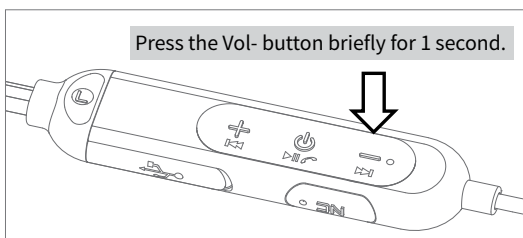
### 7) Switching between the Device and Mobile Phone

- To switch the call from mobile phone to the headphone, press the CALL Button for 1 second.

Status	LED Indicator
Incoming Bell/Outgoing Bell	Purple light blinks in 1.5 second intervals
During Call	Blue light slowly blinks every 6 seconds
When there are two calls connected	Purple light slowly blinks every 6 seconds

### 8) Stopping Incoming Call Vibration

- During an incoming call, you can press the Vol - button for 1 second to stop the vibration notification.  
You will then only hear the incoming call tone.



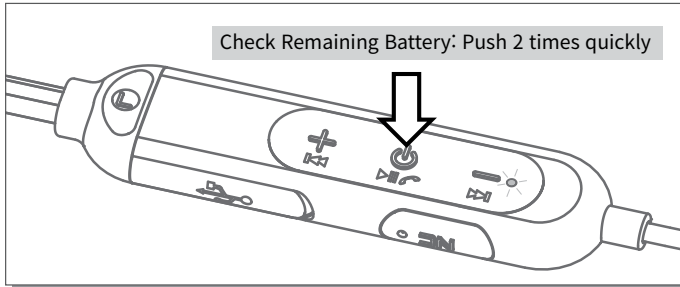
## 11. DISCONNECT NOTIFICATION

The BT 120 NC vibrates when you are out of communication range (about 10 m/33 ft.) from the 'Bluetooth Device'. If you move within the communication range within 2 minutes, you will automatically re-connect to your 'Bluetooth Device'. Afterwards you will need to manually reconnect.

## 12. MISCELLANEOUS FEATURES

### 1) Checking Remaining Battery

- With the power on, shortly press the CALL/POWER button twice to display the remaining battery indicator (LED).



Remaining Battery	LED Indicator	Voice Guidance
Over 80%	Blue light lights up for 1 second	Battery is full
80% ~ 30%	Purple light lights up for 1 second	Battery is moderate
Under 30%	Red light lights up for 1 second	Battery is low
Under 3%	Red light lights up for 1 second and the alarm will sound	Please recharge

- For Apple iOS version 5 or above, the remaining battery is displayed at the top right side of the screen.

\* The Battery Check feature will not operate while the battery is being charged.

\* When the battery charge is under 3%, an alarm will sound. If the device is used, the battery will be completely discharge within several minutes. You will then hear the 'Power Off' guidance and the power will automatically turn off.

※ **Battery Life indicated may vary depending on user conditions.**

Status	Noise Cancelling 'OFF'	Noise Cancelling 'ON'
Call Time	Max. 8.5 hours	Max. 5 hours
Music Play Time	Max. 8.5 hours	Max. 5 hours
Standby Time	Max. 290 hours	Max. 11.5 hours
Full Charging Time	about 2 hours	

### 2) Resetting the Device

- To reset to factory settings, while power is off, press the Bluetooth ON/OFF, Play/Pause & Call button and the Vol - button simultenously for at least 5 seconds.

Operation	LED Indicator
Factory Settings	Purple light lights up five times

## 13. SPECIFICATIONS

### 1) Main body

- Communication Network: Bluetooth 4.2
- Output Power: Power Class 2
- Max. Communication Range: Discoverable within 10 m / 33 ft.
- Full Charging Time: 2 Hours
- Call Time (NC ON / OFF): 5 Hours / 8.5 Hours
- Music Play Time (NC ON / OFF): 5 Hours / 8.5 Hours
- Standby Time (NC ON / OFF): 11.5 Hours / 290 Hours
- Operating Frequency : 2.4 GHz (2.402 GHz ~ 2.480 GHz)
- Bluetooth Profile Support: HFP v1.7 / HSP v1.2 / A2DP v1.3 / AVRCP v1.6
- Audio Codec: SBC,
- Battery: Lithium Polymer DC 3.7 V / 130 mAh
- Quick Charging : 5 minute charging 1 hour use
- Microphone Frequency Range: 50 ~ 4,000 Hz
- Microphone Sensitivity: -42 dB
- Support Echo Cancellation and Noise Reduction
- Operating Temperature: -20 ~ 45 °C
- Size: 15.5 (H) x 117.5(W) x 454.7(D) mm / 0.6(H) x 4.6(W) x 17.9(D) inch
- Weight: 25 g (0.055 lb)

### 2) Earphones

- Type:  $\Phi$ 12 mm Driver Units
- Sensitivity: 102 dB
- Frequency Response: 20 Hz ~ 20 kHz
- Impedance: 16  $\Omega$
- Weight: 0.95 g (0.002 lb)
- Mic. for Noise Cancelling

\* The specifications are subject to change without prior notice for quality improvement.

## 14. TROUBLESHOOTING

### 1) The power does not turn on:

- Charge the device. If the power does not turn on even after charging, contact Phiaton Customer Service.

### 2) The device does not charge:

- Check whether the USB charging cable has been properly connected with the device.
- Check whether the PC power is on and that it has been properly connected.
- When using a separately purchased USB AC adaptor, check to see that it has been properly connected.

### 3) The devices does not pair:

- Check whether the power of the 'Bluetooth Device' you want to connect is on.
- Check whether the Bluetooth feature within the 'Bluetooth Device' you want to connect is enabled.
- Check whether the 'Bluetooth Device' you want to connect is within the supported range.  
(Pairing is supported only when within 3 feet)
- Check whether the Bluetooth profile within the 'Bluetooth Device' is compatible.

### 4) Music cannot be played:

- Check whether the power of the device and 'Bluetooth Device' is on.
- Check whether music is being played within the connected 'Bluetooth Device'.
- Check whether the volume within the connected 'Bluetooth Device' is low.

### 5) Noise is heard or the sound lags:

- Check whether there is an electronic device using the 2.4 GHz frequency band nearby the device and connected 'Bluetooth Device'.
- Check whether the connected 'Bluetooth Device' is far away from this device.  
(Maximum communication range: within 33 feet)

### 6) The music sound quality is low:

- If the 'Bluetooth Device' you are trying to connect with this device is accessed to HSP, change the access to A2DP.

### 7) The other party cannot be heard while on a call:

- Check whether the power of the 'Bluetooth Device' you want to connect is on.
- Access Bluetooth through HFP or HSP.
- Check whether the volume within the connected 'Bluetooth Device' is low.

### 8) Outside noise is too high or not reduced:

- Check whether Noise Cancelling is turned On.
- Check whether the right size ear tips are chosen.  
(Noise will not be properly reduced if the ear tips are not properly inserted or the right size ear tips are not chosen)

### 9) Product does not operate or operation has stopped:

- Connect the charging cable and reset the device.
- Pairing information is not deleted even when the device is reset.

### 10) The device is paired with PC/Laptop but does not work:

- PC/Laptops are equipped with various Bluetooth drivers depending on the manufacturer and it is possible that the PC/Laptop you are trying to connect is not compatible with BT 120 NC.
- Please contact the PC/Laptop manufacturer to download the latest software driver or for further assistance.

## 15. FCC COMPLIANCE INFORMATION

FCC ID: V2R-BT120NC

This device complies with part 15 of 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.

Information to the user:

NOTE: This equipment has been tested and found to comply with 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, use 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 the correct 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.

CAUTION TO USER: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## 16. CE COMPLIANCE INFORMATION

Phiaton, hereby declares that this BT 120 NC is in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC.