

Spark NEO Core User Manual

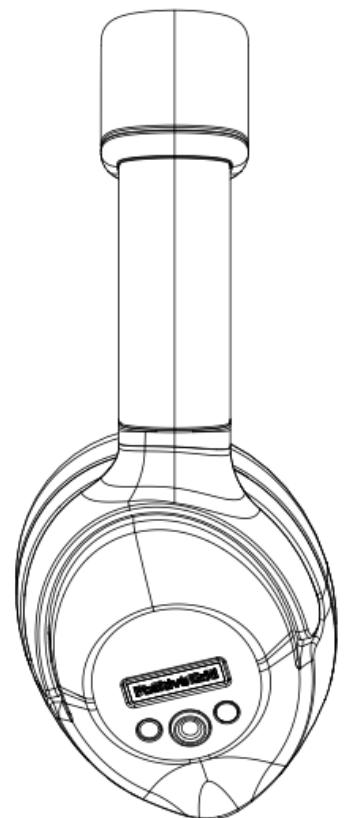


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Product Specification

AUDIO SPECIFICATIONS

FREQUENCY RESPONSE

20Hz - 20kHz

STEREO/MONO

Stereo

MAXIMUM SOUND PRESSURE LEVEL

100dB SPL (@ 1kHz)

Drivers

ABF (Advanced Bio Fiber) Diaphragm
Driver Size: 40mm

TOTAL IMPEDANCE

32 ohms

BATTERY

CHARGING TIME

3.5 hours @ 5V/2A USB-C Charger

PLAY TIME

Bluetooth audio up to 8 hours playtime
Guitar & Bluetooth audio up to 6 hours playtime

INCLUDED IN THE BOX

BOX CONTENTS

Spark NEO Core Headphones
USB-C Cable
Get Started Card
Safety Instructions

CONTROLS AND CONNECTIVITY

PANEL CONTROLS

Main Power Button / Bluetooth Pair Button
Preset Selector
Guitar Volume Control Buttons (+/-)

ONBOARD EFFECTS

33 Amp Models
43 Effects
(Noise Gate, Compressor/Wah, Distortion,
Modulation/EQ, Delay, Reverb)

WIRED CONNECTIVITY

1/4" Guitar Input

WIRELESS CONNECTIVITY

Bluetooth Audio

PHYSICAL UNIT

WEIGHT

370g

DIMENSIONS

203.5 x 166 x 79.7mm

SOFTWARE

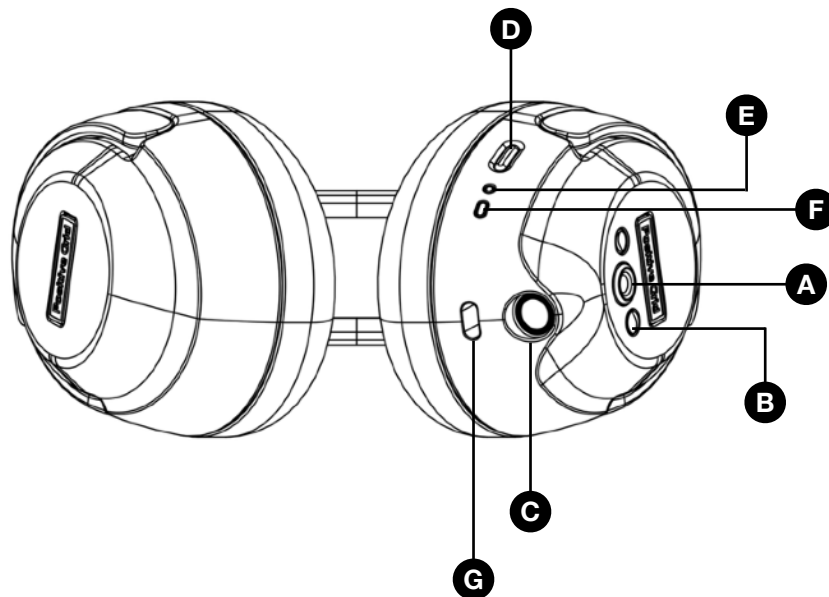
MOBILE APPS

Spark App for iOS and Android (included)

Spark App Core Features:

Spark AI
Auto Chords
ToneCloud®
Tuner

Spark NEO Core Headphones Control Panel



(A) Preset Selector

Press the button to select one of four presets on Spark NEO Core Headphones. These presets can also be customized in the Spark app.

(B) Guitar Volume Control (- / +)

Adjust the guitar volume (Controls only guitar volume).

(C) Guitar Input

Plug in your guitar with a standard 1/4" (6.35mm) guitar cable.

(D) Power / Bluetooth pairing button

- Hold to turn on or turn off Spark NEO Core Headphones
- While powered on, tap the button to start Bluetooth pairing

(E) Bluetooth LED Indicator

Indicates the status of your Bluetooth audio connection:

- Solid Blue: Connected
- Flashing Blue: Pairing
- Off : No connection

(F) Power LED Indicator

Indicates power and battery status.

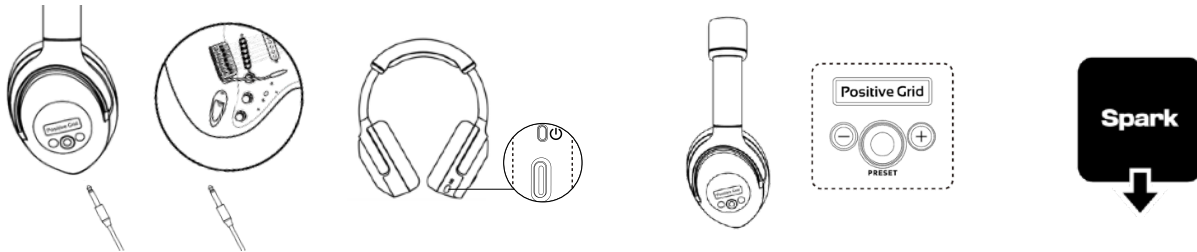
- Solid Green: Powered on or fully charged
- Solid Red: Low battery
- Flashing Red/Yellow/Green: Charging

(G) USB Type-C charging port

- Connect to USB charger to charge your Spark NEO Headphones
- Connect to your computer to perform firmware updates

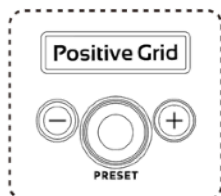
Using Spark NEO Core Headphones with your guitar

Using A Guitar Cable With Spark NEO Core Headphones



- Plug a standard 1/4" (6.3mm) guitar cable into your Spark NEO Core Headphones.
- Plug the other end of the cable to your guitar.
- Power on Spark NEO Core Headphones.
- Select one of the four presets using Preset Selector button on the right ear.
- To access more tones or create your own, download the Spark app using the QR code on page 9 or search for "Spark amp" in the Apple App Store or Google Play Store.

Adjusting The Guitar Volume

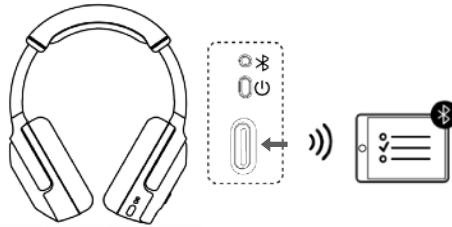


- Use the "+" and "-" buttons to adjust the guitar volume. To prevent accidental activation, these buttons will only function when there is an active guitar sound input. If no guitar sound is detected, the volume setting will remain unchanged.

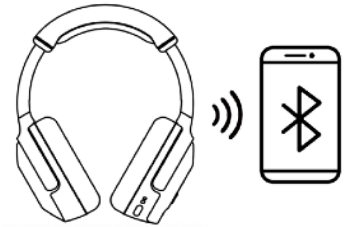
Using Spark NEO Core as Wireless Bluetooth® Headphones



- Make sure to turn on Bluetooth in your mobile device settings.



- Press the Power/Pair button on the right ear to start Bluetooth pairing and select "Spark NEO Core Audio" from the list of scanned devices.
- Once paired, Spark NEO Core headphones can play music from Spark app or selected streaming platform.
- When connected via Bluetooth, use your mobile phone's volume controls to adjust Bluetooth music playback level.



- Spark NEO Core Headphones will automatically pair with the last device it connected to. If the last device is not available, Spark NEO Core Headphones will automatically connect to a device that has been previously paired.

Factory Reset

1. Completely power off the Spark NEO Core Headphones.
2. Press and hold the Preset Button and Power Button simultaneously for 5 seconds until the Power LED starts flashing white.

Note: At this time, you may cancel the factory reset by quick tapping the Power or Preset button.

3. Long press the Preset or Power Button until Power LED blinks twice and the factory reset will be complete.

Force Shutdown & Restart

If Spark NEO Core Headphones runs into an issue where the knobs/buttons don't respond or emits unusual noise, follow the steps below to force shutdown and restart Spark NEO Core Headphones.

1. Remove the any USB connection to Spark NEO Core Headphones.
2. Hold the Power/Pair button for over 10 seconds.
3. Release the Power/Pair button, and hold it again to turn Spark NEO Core Headphones on.

• FCC

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

- 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.

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.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

• IC

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- 1.L'appareil ne doit pas produire de brouillage;
- 2.L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This class [B] digital apparatus complies with Canadian ICES-003.

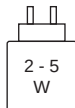
CAN ICES-003 (B) / NMB-003 (B)

Ce produit de classe [B] est conforme aux spécifications de la réglementation ICES-003 du Canada. CAN ICES-003 (B) / NMB-003 (B)

• NCC

警告：

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。



The power delivered by the charger must be min 2 Watts required by the radio equipment, and max 5 Watts in order to achieve the maximum charging speed.
The USB charging cord supplied is only for charging the unit. It cannot be used for data communication or charging other devices.

• TRIMAN



• WEEE

Only for European Union and countries with recycling systems



These symbols indicate separate collection of waste electrical and electronic equipment or waste batteries.

• BQB

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• IMDA

Complies with
IMDA Standards
DB106232

Product code

135 mm

178 mm

Declarations of Conformity

RoHS

設備名稱：無線耳機 型號(包式)：Spark NEO Core Equipment name: Wireless Headphone Type designation(Type): Spark NEO Core						
單元Unit	限制物質及其化學符號 Restricted substances and its chemical symbols					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻Hexavalent chromium (Cr ^{VI})	多溴聯苯Polychlorinated biphenyls (PCBs)	多溴二苯醚Polychlorinated diphenyl ethers (PBDEs)
揚聲器	○	○	○	○	○	○
電路板	-	○	○	○	○	○
結構件	○	○	○	○	○	○
附件	○	○	○	○	○	○
備考1: "超出0.1 wt %" 及 "超出0.01 wt %" 係指限制物質之百分比含量超出百分比含量基準值。 備考2: "○" 係指該項限制物質之百分比含量未超出百分比含量基準值。 備考3: "-" 係指該項限制物質為排除項目。 Note 1: "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presencecondition. Note 2: "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence. Note 3: The "-" indicates that the restricted substance corresponds to the exemption.						
有毒有害物質或元素的說明 Indication of Toxic and Hazardous Substances/Elements						
部件名稱 Part name	產品中有毒物質或元素的名称及含量 Toxic and Hazardous Substances/Elements					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr(VI))	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
揚聲器 (Speaker)	○	○	○	○	○	○
電路板 (PCBA)	X	○	○	○	○	○
結構件 (Structural parts)	○	○	○	○	○	○
附件 (accessory)	○	○	○	○	○	○
本表格依照 SJ/T 11364 的規定編制 ○:表示該有毒有害物質在該部件所有均質材料中的含量均在GB/T 26572規定的限量要求以下 X:表示該有毒有害物質至少在該部件的某一均質材料中的含量超出GB/T 26572規定的限量要求						
 在中華人民共和國境內銷售的電子電氣產品上將印有“環保使用期”(EUP)符號，圖圈中的數字代表產品的正常環保使用年限。						

BATTERIES

A warning that batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the light.

1) Replacement of a battery with an incorrect type that can defeat a safeguard;

2) Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery that can result in an explosion;

3) Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;

4) A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

CCC

- 注意事項：
1. 勿在本機頂部電源線上放置重物。
 2. 仔細閱讀操作說明書免誤操作。
 3. 設備不應遭受水漬或水浸。設備上不应放置诸如花瓶一类的装液体的物品，否则水等液体的不小心洒泼可能会损坏机器。
 4. 电池（电池包或组合电池）不得暴露于诸如日照、火烤或类似热环境中。
 5. 设备应当连接到带保护接地连接的电源电源输出插座上。

NBTC

"ผลิตภัณฑ์คอมพิวเตอร์ที่มีความปลอดภัยสูง
มาตรฐานการป้องกันอันตรายจากไฟฟ้า"

CB

Max Operating temperature: 45°C

MOC

מספר אישור התקן משרד המסחר והתעשייה
מספר התקן משרד המסחר והתעשייה
מספר התקן משרד המסחר והתעשייה



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地址: 台北市中山區長春路176號11樓/台北市中山區長春路176號11樓
TEL: 886-2-25025250

135 mm

178 mm