Spark 40 amp Manual

[PRODUCT DESCRIPTION]

Guitar amplifier with digital audio processing

[PRODUCT SPEC]

FREQUENCY RANGE: 20-20,000 Hz
MAXIMUM SOUND PRESSURE LEVEL: 116 dB SPL @1m
CABINET PRINCIPLE: Bass-reflex
POWER AMPLIFIERS: 40 Watt Class D Amplifier
SPEAKERS: Two - 4" Custom Designed Speakers
TOTAL IMPEDANCE: 4 ohms
MAINS INPUT VOLTAGE: 100 - 240 V
MAINS FREQUENCY: 50/60 Hz
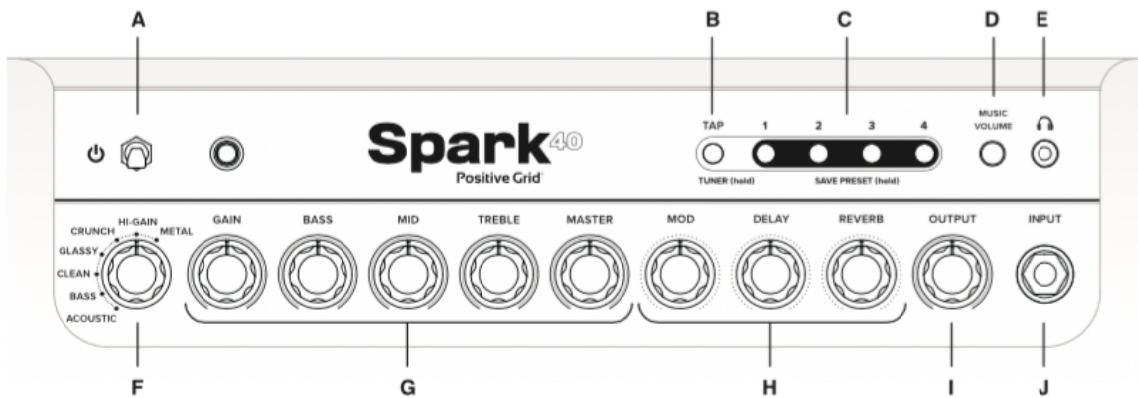

WIRED CONNECTIVITY
1/4" Guitar Input
1/8" Aux Input
1/8" Headphone

WIRELESS CONNECTIVITY
Bluetooth Audio

[TOP CONTROL PANEL]

(A) Power Switch

(B) Tap / Tuner
- Long press the button to engage **TUNER** mode. While in **TUNER** mode, the **TAP** and 4 Preset LEDs indicate the pitch being played. Long press the button again to exit **TUNER** mode. The guitar signal becomes muted when **TUNER** mode is engaged.
- The tempo of the delay effect can be set by tapping (more than twice) on the switch.

(C) Preset Switches
- Tap to select one of the 4 presets stored on the Spark 40 amp. The red LED flashes when a preset is modified. Long press the switch again to overwrite the preset.

(D) Adjust the volume from Bluetooth audio, Aux in, or USB audio playback.

(E) Headphone Port
- Main speaker sound is muted when a connector is inserted into this port.

(F) Amp Type
- Changes the amp model in the current preset.
- Use the **SPARK CONTROL** app to access amp models not selectable by this switch.

(G) Amp Control
- Controls the gain, EQ and volume of the amp model in the current preset.
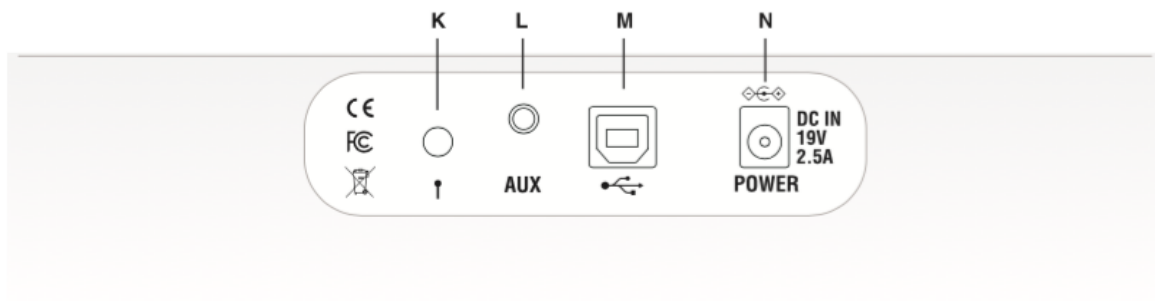
(H) Effects Control
- Adjusts the amount of Modulation, Delay and Reverb in the current preset.
- Use the **SPARK CONTROL** app to change the effects type and detailed effects settings.

(I) Output
- Adjusts the overall volume of your guitar.

(J) Guitar Input

[REAR PANEL]

(K) Bluetooth Status Indicator
- Indicates the status of your Bluetooth audio connection:
  - Connected (blue light)
  - Waiting to connect (flashes)
  - Disabled (LED off)

(L) Aux In
- Connect the analog output of an audio device to this port. USB audio playback and Bluetooth audio are disabled when a connector is inserted into this port.

(M) USB Port
- Use the supplied USB cable to connect your computer to the Spark amp for USB recording or firmware updates.

(N) DC In
- Connects the supplied power adapter. Only use the specified AC adapter. Using any other AC adapter may cause malfunctions.

[USING SPARK 40 AS A WIRELESS SPEAKER]
- Turn on the Bluetooth function on your device, and then select "Spark 40 Audio" from the list of available options.
- Spark 40 automatically pairs with previously connected devices when turned on. It can also be paired with other devices (for example, if a previously connected device is not available).
- To reset pairing, turn on Spark 40 while holding down preset button **4** for 3 seconds.

FCC STATEMENT

1. 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.

2. 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.

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, and (2) this device
must accept any interference, including interference that may
cause undesired operation of the device.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil nedoit pas produire de brouillage, et (2) l'utilisateur de 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-3 (B) / NMB-3 (B)

Ce produit de classe [B] est conforme aux spécifications de la réglementation ICES-003 du Canada. CAN ICES-3 (B) / NMB-3 (B)

Caution: FCC/IC Radiation Exposure Statement

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil ettoutes les personnes.