

Spark CAB 2

User Manual

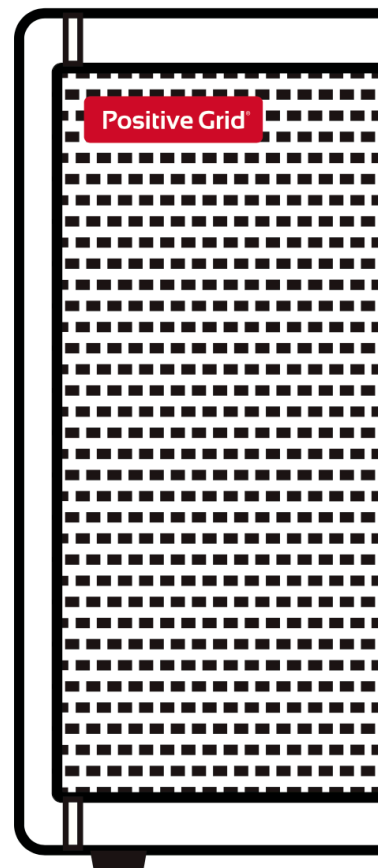


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Product Specification

AUDIO SPECIFICATIONS

FREQUENCY RANGE

45-20,000 Hz

STEREO/MONO

MONO

MAXIMUM SOUND PRESSURE LEVEL

118 dB @1m (RMS), 121 dB @1m (Peak)

CABINET PRINCIPLE

Bass Reflex

POWER AMPLIFIERS

140 Watt Class D Amplifier

SPEAKERS

1x10-inch Woofer, 2x1-inch Tweeters

TOTAL IMPEDANCE

4 ohms

POWER

MAIN INPUT POWER

AC 100-240V

DC POWER OUTPUT

DC 20V/2.5A

USB-C POWER OUTPUT

DC 5V/2A

CONTROLS AND CONNECTIVITY

BACK PANEL CONTROLS

Input Selector

Speaker Volume

Line Out Volume

Ground Lift Switch

Contour Switch

WIRED CONNECTIVITY

1 x 3.5mm Stereo Input for Spark Amp

2 x Mono XLR/TRS Combo Inputs

1 x Mono XLR Balanced Output

PHYSICAL UNIT

DIMENSIONS

492.5 x 399.8 x 255 mm

(19.39 x 15.74 x 10.04 in)

WEIGHT

13.5 kg

29.76 lb

GRILLE CLOTH

Woven

HANDLE

2 Recessed Speaker Handles

CABLE TIE

1 Adjustable Cable Tie

(for fixing instrument and audio cables on the back)

INCLUDED IN THE BOX

BOX CONTENTS

Spark CAB 2

Power Cord

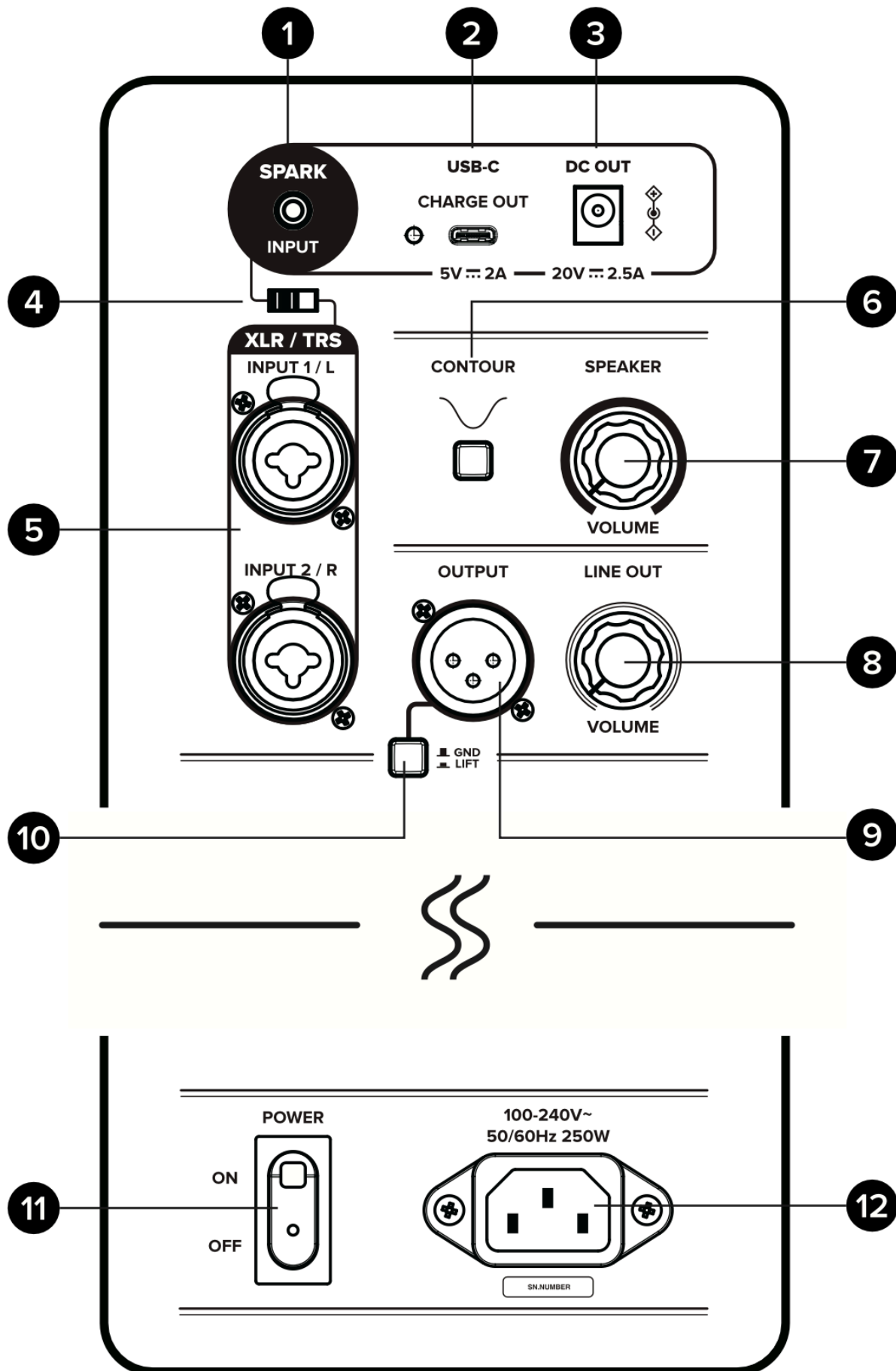
3.5mm Stereo Audio Cable

DC Power Cable

DC Power Cable Adapter for Spark 2

Quick Start Guide

Rear Control Panel



1**Spark Input**

Connect the Headphone / Line Out of your Spark series amp to this input using the supplied 3.5mm stereo audio cable.

2**USB-C Charge Out**

Use this port as a power output for your USB-C powered Spark amp or any other USB-C powered mobile device, and to update Spark CAB 2's firmware.

Note: The adjacent LED indicates firmware update status.

3**DC Out**

Power a Spark 2/Spark 40 by plugging it directly into this port with the supplied DC Power Cable.

Note: For Spark 2, attach the supplied DC Power Cable Adapter to the DC Power Cable.

4**Input Selector**

Switch between the 3.5mm Spark Input and the two mono XLR/TRS Combo Inputs.

5**XLR/TRS Combo Input 1 & 2**

Plug in an external audio source with standard XLR or 1/4" cables.

Note: Do not connect powered outputs or speaker outs to these inputs.

6**Contour Switch**

Boosts low and high frequencies to improve balance at low volumes. Disengage when jamming or performing at high volumes.

7**Speaker Volume**

Adjust this knob to control the overall volume of the speaker.

8**Line Out Volume**

Adjust this knob to independently control the Line Output levels (it does not affect the speaker volume).

9**Output**

Output the sound of Spark CAB 2 to a PA system with a standard XLR cable (not included).

10**Ground Lift Switch**

Press this switch to reduce any unwanted hum or noise.

11**Power Switch**

Turn Spark CAB 2 on and off. Make sure all levels are turned down before turning it on.

12**AC Power Input**

Connect the supplied AC Power Cord here and plug it into a power outlet. Make sure the Power Switch is in the off position before connecting or disconnecting the Power Cord.

Using Spark CAB 2 with a Spark Series Amp

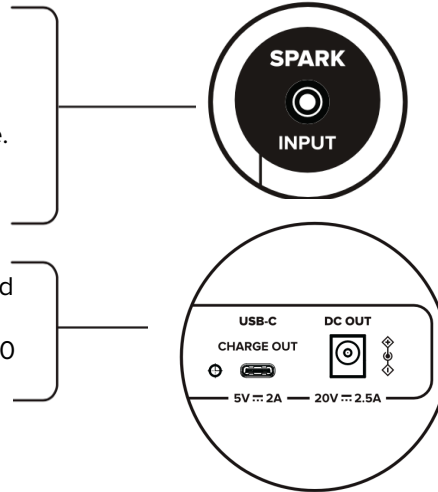
Step1 Make sure Spark CAB 2 is Powered OFF and the levels are turned down.

Step2 Connect your Spark amp Headphone / Line Out to the Spark input of Spark CAB 2 using the supplied 3.5mm Stereo Audio Cable. Also make sure the Input Selector is in the Spark Input position.

Step3 You can charge your USB-C powered Spark amp using the USB-C Charge Out or power your Spark 2 / Spark 40 using the DC Out.

Step4 Turn on your Spark amp and then Spark CAB 2. You can now adjust the volume on Spark CAB 2 as needed.

Note: Your Spark amp will be muted by default when plugged into Spark CAB 2.

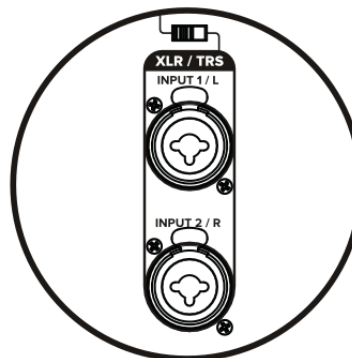


Using Spark CAB 2 as a Stage Monitor

Step1 Make sure Spark CAB 2 is Powered OFF and the levels are turned down.

Step2 Connect the source's main output to the XLR/TRS Combo Input of Spark CAB 2. Also make sure the Input Selector is in the XLR/TRS position.

Step3 Turn on the source and then Spark CAB 2. You can now adjust the volume on Spark CAB 2 as needed.

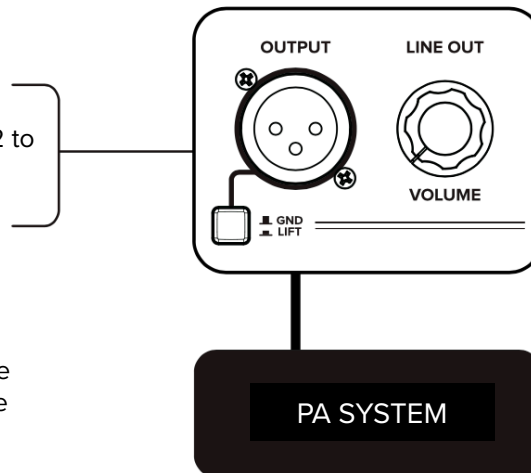


Using Spark CAB 2 as an Output to a PA System

Step1 Make sure the Line Out Volume of Spark CAB 2 and the levels of the PA system are turned down.

Step2 Connect the Output of Spark CAB 2 to the input of the PA system.

Step3 You can now start adjusting the Line Out Volume of Spark CAB 2 and the levels of the PA system as needed.



Firmware Update

Periodically, Positive Grid releases firmware updates for Spark CAB 2 to improve performance. You can check for and install updates from the Positive Grid website using a USB-C flash drive.

Updating your Spark CAB 2

- Step 1.** Visit our [Help Center Download page](#) and download the latest Spark CAB 2 firmware file.
- Step 2.** Copy the firmware file to your USB-C flash drive.
- Step 3.** Plug **one end** of the included 3.5mm Stereo Audio Cable into the **Spark Input** on the rear panel. The other end can be left unconnected.
- Step 4.** With Spark CAB 2 powered off, plug the USB drive into the **USB-C Port** on the rear panel.
- Step 5.** Power on Spark CAB 2 using the Power Switch. The firmware update begins automatically on boot.
- Step 6.** Watch the red LED next to the USB-C port. Do not power off Spark CAB 2 or remove the USB drive while the LED is blinking.
- Step 7.** When the update is complete, the LED stays solid for 10 seconds, then turns off. Spark CAB 2 is ready to use.

LED Indicator

LED Behavior	Meaning
Off	No firmware update in progress
Slow blink (1 Hz)	Firmware update in progress
Solid on for 10 seconds, then off	Update completed successfully
Fast blink (4 Hz) for 30 seconds	Update failed

If the update fails

- If the LED fast-blinks (update failure):
1. Power off Spark CAB 2.
 2. Remove the USB drive and check on your computer that the firmware file is intact and matches the version listed on [positivegrid.com](#). Re-download if needed.
 3. Re-insert the USB drive and power on Spark CAB 2 to retry.

If the update still fails after retrying, contact our support team via the Help Center: <https://help.positivegrid.com/>

Online Support

Visit our online Help Center for user manuals, FAQs, or to contact our support team.
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