

Spark Pedal

User Manual



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Product Specification

POWER

MAIN INPUT POWER

DC 5V/1A

BATTERY TYPE

Built-in 3000mAh rechargeable lithium-ion battery

CHARGING TIME

Approx. 4.5 hours

PLAY TIME

Up to 7 hours

INCLUDED IN THE BOX

BOX CONTENTS

Spark Pedal
USB-C to USB-C Cable
MIDI 3.5mm(1/8inch) to Standard DIN 5pin Adapter x 2
Quick Start Guide

PHYSICAL UNIT

DIMENSIONS

Switch Excluded:
L 175 x W 104 x H 47.2 mm
(L 6.89 x W 4.1 x H 1.86 inch)

Switch Included:
L 175 x W 104 x H 54.8 mm
(L 6.89 x W 4.1 x H 2.16 inch)

WEIGHT

0.56 kg / 1.23 lb

CONTROLS AND CONNECTIVITY

TOP PANEL CONTROLS

3 x Steel Footswitches
6 x Footswitch Indicators (Multiple Color LEDs)
4 x Knobs (VR)
1 x Multifunction Control Knob (Encoder)
1 x Global Status Indicator (Multiple Color LED Ring)
1 x Power Indicator
1 x Wireless Indicator

REAR PANEL CONTROLS

Power Button
Pair Button

WIRED CONNECTIVITY

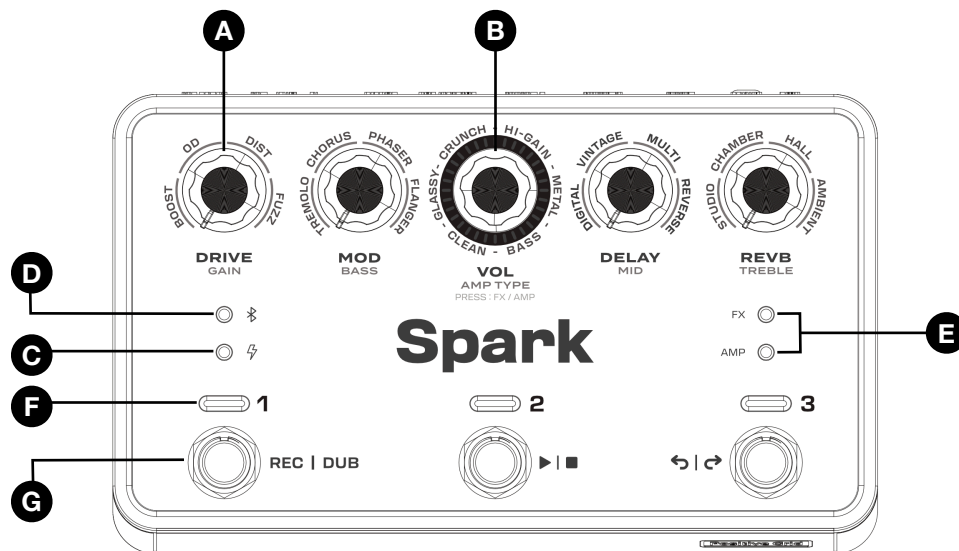
1 x ¼" Input
2 x ¼" Line Output
1 x ¼" TRS Expression Pedal Input
1 x USB-C Port for Charging, Service, and Audio Interface
2 x ⅛" MIDI Input and Output Port
1 x ⅛" Headphone Output

WIRELESS CONNECTIVITY

Bluetooth 5.0 for Bluetooth Audio and Wireless Connection with Companion App
Wi-Fi (2.4 GHz) for OTA (Over-the-Air) Firmware Updates

Hardware Panel

Top Panel



(A) FX/AMP CONTROLS

FX Mode: Select your effect and adjust its level or mix.

AMP Mode: Adjust the amp's tone settings (Gain, EQ, etc.).

(B) MAIN KNOB / MODE SELECTOR

- Press to switch between FX Mode and AMP Mode.
- Turn to adjust overall volume in FX Mode or amp type in AMP Mode.
- Double tap in AMP Mode to turn the Cab Simulator (Cab Sim) on/off. The LED indicates the current state, red when Cab Sim is on, peach when off.
- Press and hold to activate the Tuner.
- The LED ring shows what you're adjusting based on what's active.

(C) POWER INDICATOR

Shows battery and power status:

- **Green (solid):** On or fully charged
- **Yellow (solid):** Low battery
- **Red (solid):** Needs charging
- **Flashing colors:** Charging

(D) WIRELESS INDICATOR

Shows Bluetooth® status:

- **Blue (solid):** Connected
- **Blue (flashing):** Pairing

(E) MODE INDICATOR LED

Lights up to show whether you're in FX or AMP mode.

(F) FOOT SWITCH LEDS

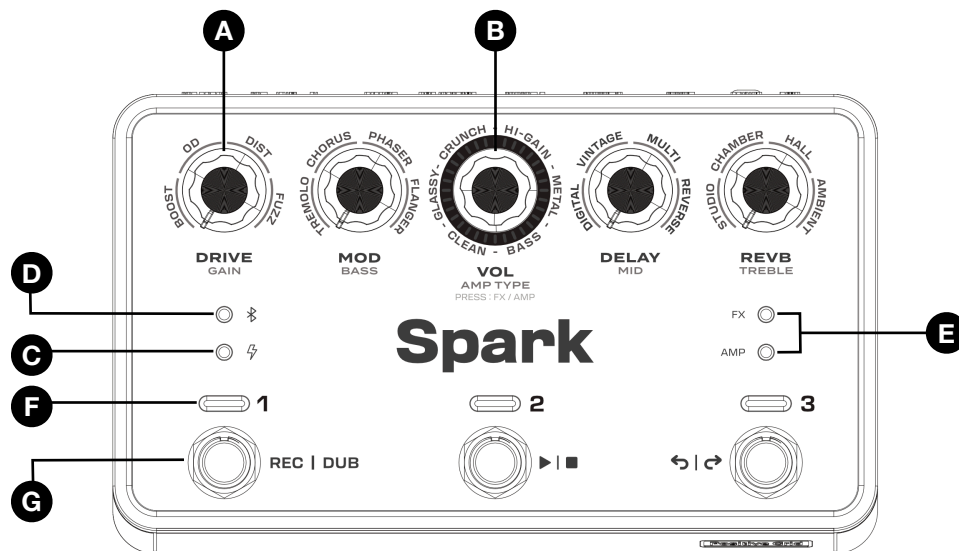
- **Left side:** Shows preset status
- **Right side:** Shows looper status

(G) FOOT SWITCHES

Press switches **1 + 2 together** to switch between **Preset** and **Looper** control.

Hardware Panel

Top Panel



Preset Mode

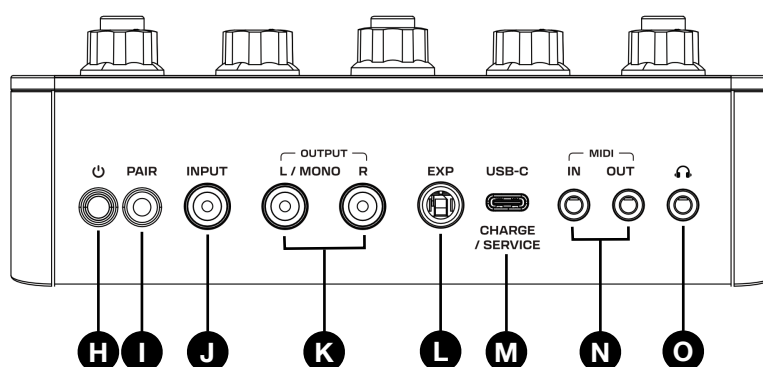
- Tap any switch to load a preset.
- Press and hold to save a preset.
- Tap **2 + 3 together** to toggle between red and green banks (3 presets each)

Looper Mode

- Switch 1: **Record / Dub**. Tap to start recording or overdubbing. Tap again to stop recording and start playback.
- Switch 2: **Play / Stop**. Starts/stops the loop playback. Hold to switch between Auto Mode and Signal Detection Mode for standalone recording:
 - Signal Detection Mode (Click Off): Free length. It will automatically start recording when Spark Pedal detects a guitar signal, users tap on the record button to stop recording. The Switch 1 LED (right side) will show yellow when switching to Signal Detection Mode. It's the default recording mode.
 - Auto Mode (Click On): Adjustable loop length. It will automatically start recording after a 1 bar count-in and stop recording when reaching the length set in the Time Settings menu in the Spark app.
- Switch 3: **Undo / Redo**. Removes/restores the last layer added to the loop. Hold to completely erase the recorded loop.

Hardware Panel

Rear Panel



(H) POWER

Hold to turn on/off

(I) PAIR

Tap to pair via Bluetooth

(J) INSTRUMENT INPUT (¼")

Connect an electric guitar, acoustic guitar, or bass.

(K) LINE OUTPUT (¼")

L/Mono and R outputs to connect to speakers, audio interfaces, etc.

(L) EXPRESSION PEDAL INPUT (¼")

Connect an expression pedal to control wah or volume.

Compatible with TRS-type expression pedals. Configuration can be adjusted in the Spark app.

(M) USB-C® PORT

Use the included USB-C® to USB-C® cable to charge or connect it to a PC/Mac for use as an audio interface.

(N) MIDI PORTS (⅛")

Input: Connect a wired MIDI controller to switch presets, control effects or amps, and access other features.

Output: Connect to other MIDI devices for synchronization.

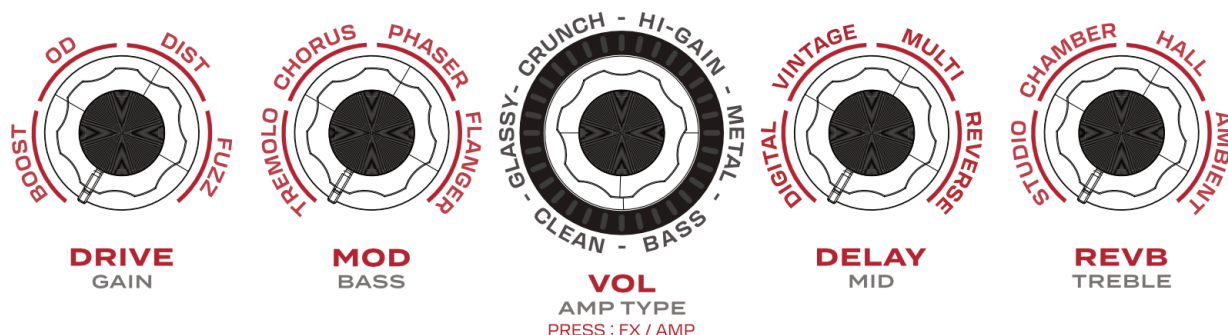
(O) HEADPHONE OUTPUT (⅛")

Plug in a pair of headphones with a ⅛" stereo jack.

FX Mode and AMP Mode

Press the Main (center) Knob to switch between FX Mode and AMP Mode. The knobs control different settings depending on which mode you're in.

FX Mode

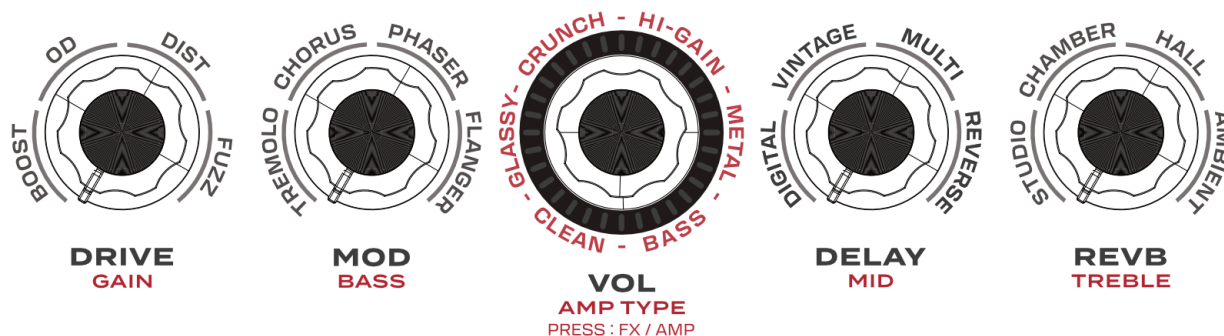


Each knob controls an effect category (Drive, Mod, Delay, Reverb).

- Turn a knob to choose one of four effect types in that category.
- Then adjust the effect's **level or mix** using the same knob within its range.

Turn the main knob (center) to adjust overall volume.

AMP Mode



Each knob controls an amp parameter:

- Drive knob: Gain
- Mod knob: Bass
- Delay knob: Mid
- Reverb knob: Treble

Turn the Main (center) Knob to switch between the 6 amp models (Clean, Bass, Glassy, Crunch, Hi-Gain, Metal).

Effects Beyond the Knob Labels

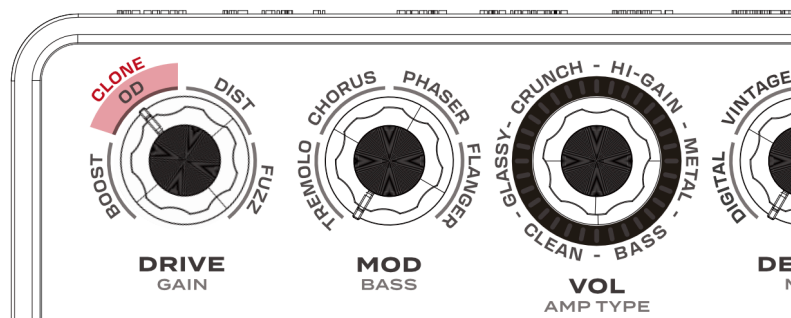
Each FX knob (Drive, Mod, Delay, Reverb) shows four labeled effects on the bezel. The Spark App lets you assign **additional effects beyond these four**—for example, Clone Drive can be assigned to the Drive knob alongside Boost, OD, Dist, and Fuzz.

How a custom effect appears on the pedal

When you load a preset that uses a custom effect, the effect takes over the position the knob is on at the moment the preset loads. You can then adjust the custom effect by rotating the knob within that position's range—exactly the way you'd adjust the labeled effect that normally lives there.

The other three positions on the knob continue to control their labeled effects. The custom effect stays in its assigned position for as long as the preset is active—turning away and back doesn't reset it.

Example:



Drive knob position when preset loaded: OD

Custom effect in the preset: Clone Drive

- The OD position now controls Clone Drive.
- Turning to Boost / Dist / Fuzz engages those labeled effects as usual.
- Loading a different preset clears the custom assignment; the four labeled effects return.

Tip: You decide which labeled effect gets covered

Because the custom effect attaches to the knob position at the moment of preset loading, you can choose which labeled effect to set aside. If Clone Drive lands on OD but you'd rather keep OD accessible and sacrifice Fuzz instead:

1. Switch to another preset.
 2. Turn the Drive knob to Fuzz.
 3. Switch back to the original preset.
- Clone Drive now occupies the Fuzz position. OD is available again.

Note

The knob bezel doesn't visually change when a custom effect is active—the labels remain the same. To confirm which effect is currently assigned to each position, check the Spark App.

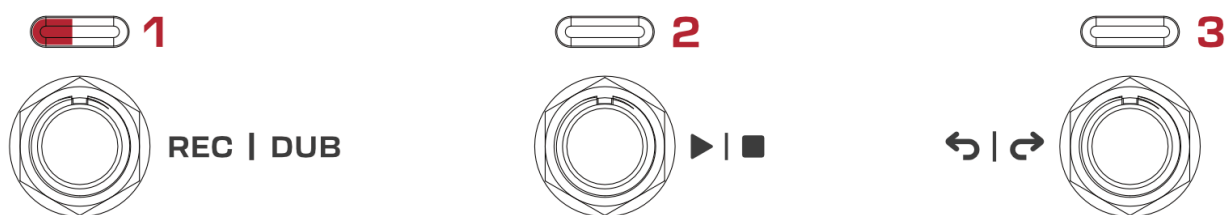
Preset Control and Looper Control

Press switches 1 and 2 together to toggle between Preset Control and Looper Control modes.

The LED indicators are split into two sections:

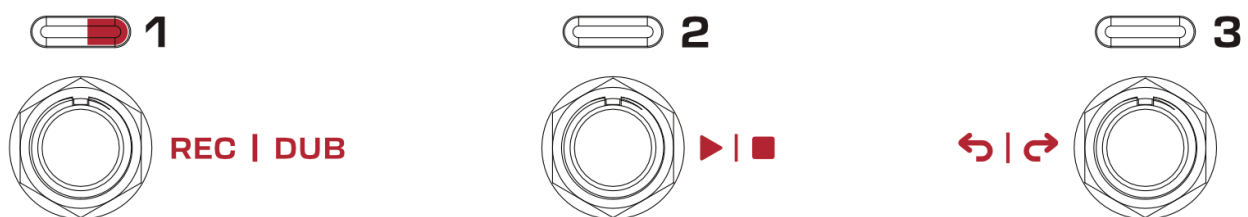
- **Left side = Preset status**
- **Right side = Looper status**

Preset Control Mode



- Press a switch to **select one of the six** available presets
 - Press and hold to **save** a preset
 - Press **switches 2 and 3 together** to switch between **Red** and **Green** banks (3 presets per bank)
-

Looper Control Mode



- Switch 1: **Record / Dub**. Tap to start recording or overdubbing. Tap again to stop recording and start playback.
- Switch 2: **Play / Stop**. Starts/stops the loop playback. Hold to switch between Auto Mode and Signal Detection Mode for standalone recording:

Signal Detection Mode (Click Off): Free length. It will automatically start recording when Spark Pedal detects a guitar signal, users tap on the record button to stop recording. The Switch 1 LED (right side) will show yellow when switching to Signal Detection Mode. It's the default recording mode.

Auto Mode (Click On): Adjustable loop length. It will automatically start recording after a 1 bar count-in and stop recording when reaching the length set in the Time Settings menu in the Spark app.

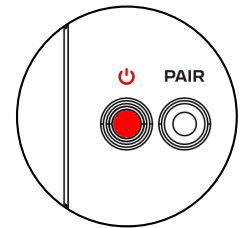
- Switch 3: **Undo / Redo**. Removes/restores the last layer added to the loop. Hold to completely erase the recorded loop.

Pairing Spark Pedal And The Spark App

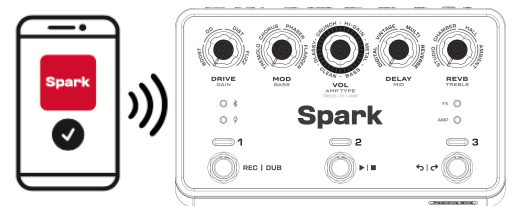
- Download the Spark app using the QR code provided or search 'Spark amp' in the App Store or Google Play Store.



- Turn on Spark Pedal by holding the Power button.

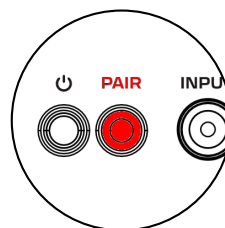


- Open the Spark app on your mobile device and follow the instructions to connect your Spark Pedal to access all of the gear, smart features, and more.



Playing Music via Bluetooth®

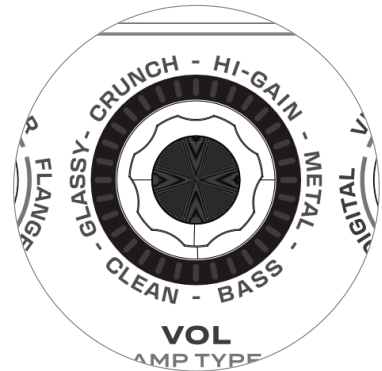
- To pair a new device, press the Pair button on the Rear Panel of Spark Pedal, turn Bluetooth® on in the settings of your mobile device, and select "Spark Pedal Audio" from the list of scanned devices.



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

Tuner Mode

- Hold the Main (center) Knob to enter tuner mode.
- While in tuner mode, the LED ring will display if the string being played is in tune.
- Note that the output of Spark Pedal will be muted while tuner mode is on.
- To exit Tuner Mode, press any footswitch or turn any knob.



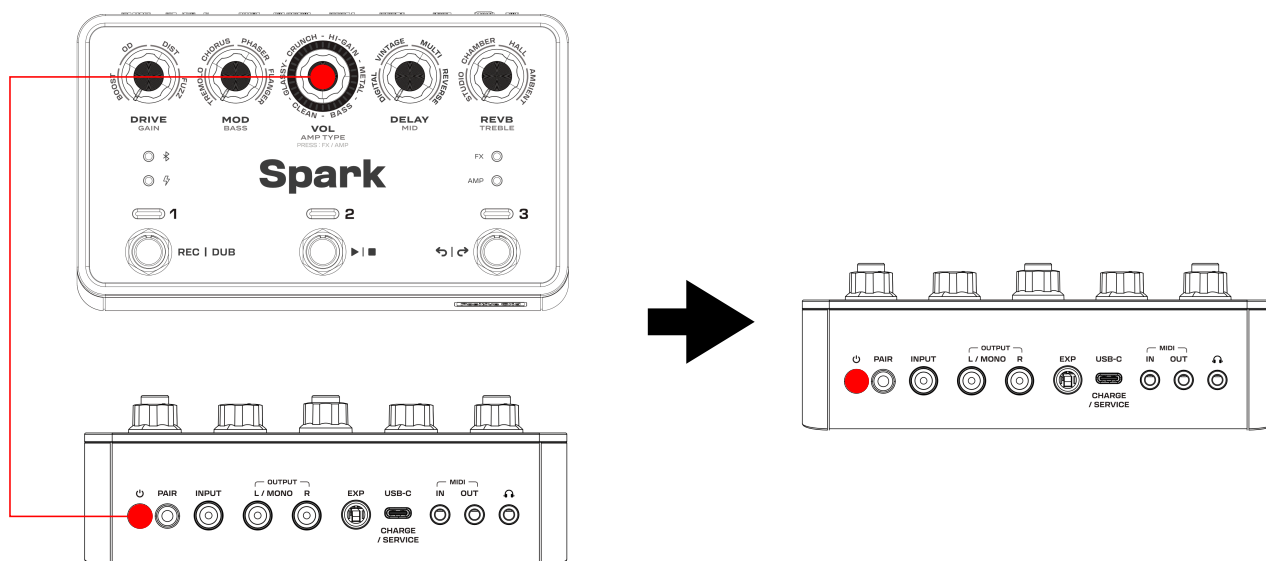
MIDI Settings

Function	Message Type	No.	Value	Ch.
Switch To Red Preset 1	Program Change	0	N/A	1
Switch To Red Preset 2	Program Change	1	N/A	1
Switch To Red Preset 3	Program Change	2	N/A	1
Switch To Green Preset 1	Program Change	3	N/A	1
Switch To Green Preset 2	Program Change	4	N/A	1
Switch To Green Preset 3	Program Change	5	N/A	1
Toggle Noise Gate	Control Change	0	0~63=off 64~127=on	1
Toggle Comp/Wah	Control Change	1	0~63=off 64~127=on	1
Toggle Drive	Control Change	2	0~63=off 64~127=on	1
Toggle Amp	Control Change	3	0~63=off 64~127=on	1
Toggle Mod/EQ	Control Change	4	0~63=off 64~127=on	1
Toggle Delay	Control Change	5	0~63=off 64~127=on	1
Toggle Reverb	Control Change	6	0~63=off 64~127=on	1
Toggle Tuner	Control Change	7	0~63=off 64~127=on	1
Tap Tempo	Control Change	8	Any value change count 1	1
Output Volume	Control Change	20	0=min 127=max	1

Factory Reset

Follow the steps below to perform a factory reset. This process will reset all the profiles stored on the Spark Pedal.

1. Turn off your Spark Pedal.
2. Hold the **Power Button** and **Main (center) Knob** at the same time.
3. Hold the buttons until you see the **Power Indicator LED blink white**, then release the buttons.
4. Hold the **Power button** until you see all the **Footswitch Indicator LEDs blink red**, then release the button.
5. Spark Pedal will turn off automatically and will return to its factory settings when powered back on.



- Hold **Power Button / Main (center) Knob**

- Hold **Power Button** again

Spark App

User Guide

Spark

DOWNLOAD YOUR SPARK APP



App Store

Supported iOS 15 or later

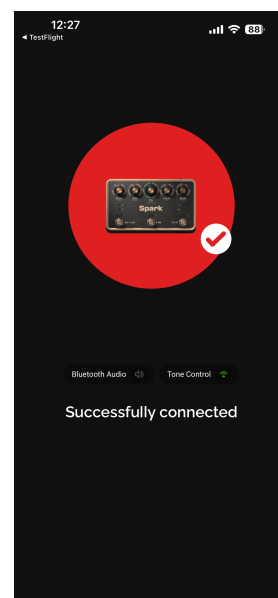
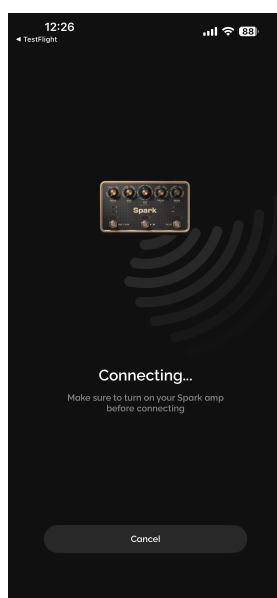
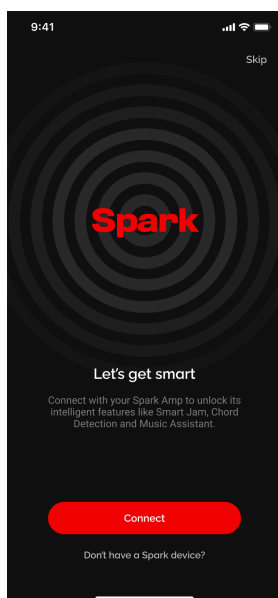


Google Play

Supported Android 8.1 or later

Download and install the Spark App compatible with your smartphone's operating system.

Connecting Spark Amp to Your Smartphone



- (A) Allow the Spark app access to Bluetooth (iOS) or Location Services (Android) so the app can establish a Bluetooth connection with your Spark PEDAL.
- (B) Turn on Bluetooth on your smartphone and Spark PEDAL.
- (C) Select the device you want to connect to.
- (D) Follow the on screen instructions and connect to the Pedal

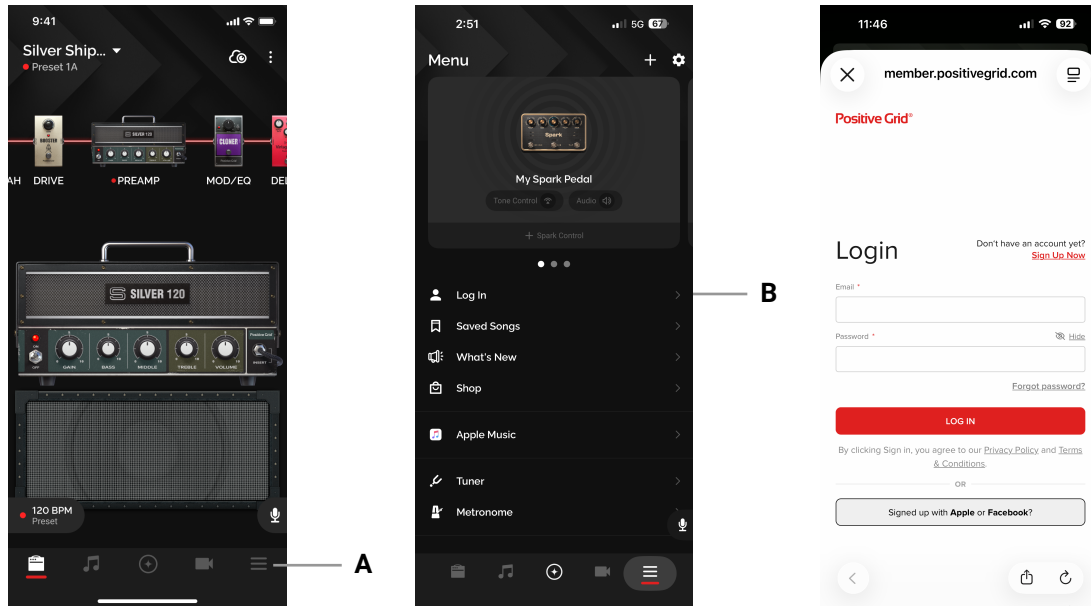
Tip: You can also connect Spark PEDAL to your smartphone as a Bluetooth speaker to play music. A stable connection between the pedal and the app is required for audio output.

Tip: Device selection only occurs the first time you install the Spark app. For later sessions, the app will automatically scan for nearby Spark devices.

Tip: If you can't connect to Spark PEDAL, make sure other nearby Bluetooth devices are turned off and try again.

Log In to Your Positive Grid Account

Log in to your Positive Grid account to download tones from the ToneCloud and more.



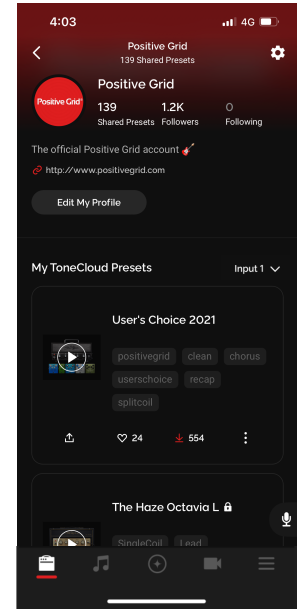
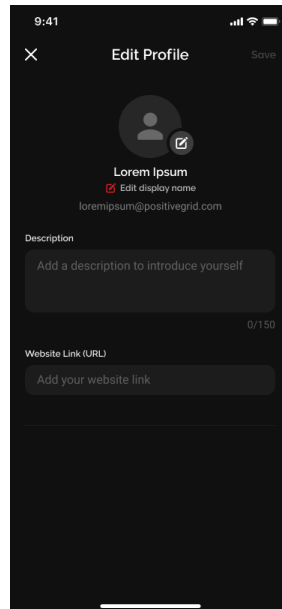
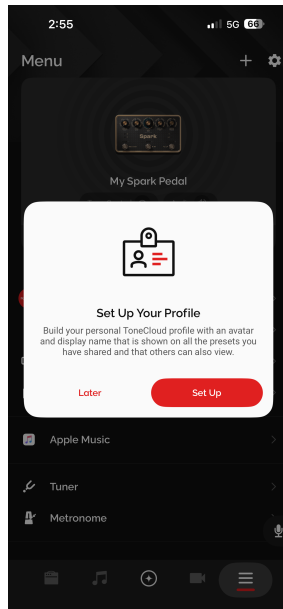
(A) Tap the Menu icon

(B) Tap Log In

(C) Log in with your existing account, use your Apple ID or Facebook ID, or tap on Sign Up to create a new account

Manage Your Profile

Set up your profile to manage your ToneCloud presets and connect with other Spark users.

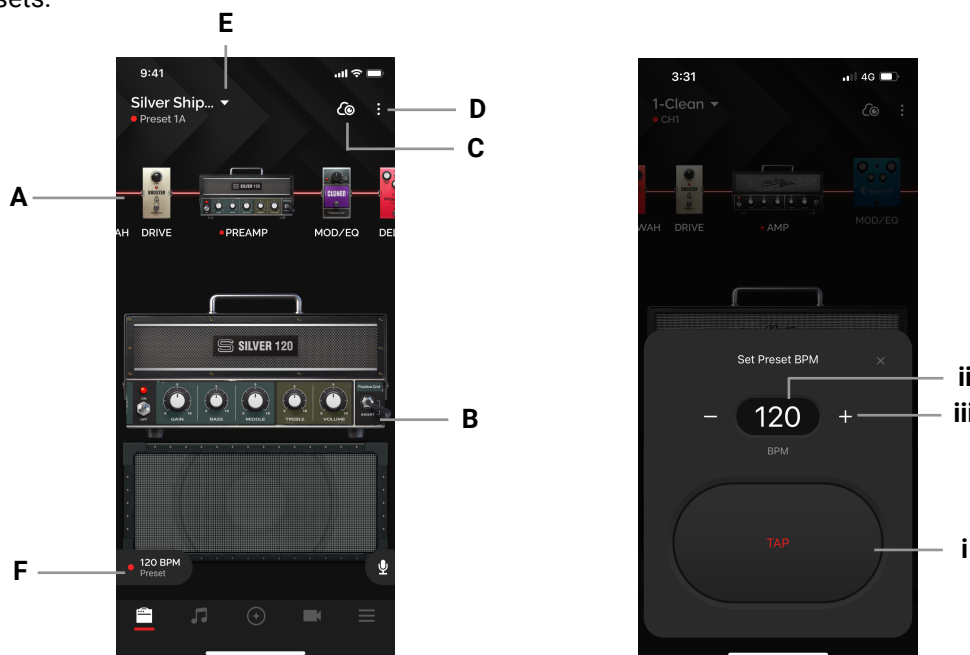


- (A) Once you log in, a Set Up Your Profile prompt should appear, which will take you to the Edit Profile Page. You may edit your profile after the fact by going into your profile via the Menu page and tapping on your profile, then tapping on Edit My Profile.
- (B) You may edit your Display Name, which is the name that will be shown to others in the ToneCloud, edit your Bio and your URL.
- (C) You may edit your ToneCloud preset details by tapping on the  icon to rename or delete the preset from the ToneCloud.
- (D) You may also log out by tapping the  icon

Note: Deleting your account is permanent and you will not be able to log in with your previously deleted account credentials. Your email will never be publicly shown.

Adjusting Effects and Presets

After connecting your Spark amp to the Spark app, you may tweak settings to your liking or browse our factory presets.



(A) Signal Chain:

1. Swipe left or right to scroll along the signal chain (For mobile)
2. Swipe up and down to switch effects on and off.
3. Double-tap the amp or effects icon to select an effect.

(B) Effects Section:

1. Effects on/off: tap the LED on the amp/effect pedal to switch the effect on and off.
2. Tone control: turn the knobs to adjust the parameters

(C) ToneCloud: tap the top right icon to open ToneCloud.

(D) Option Menu:

1. Overwrite — overwrite the current preset.
2. Save as New — save as a new preset.
3. Share to ToneCloud — share your current preset to ToneCloud.
4. Save to Hardware — save your current preset to a Spark PEDAL preset slot.

(E) Local Presets — tap the preset name to select presets you've saved to your smartphone. A red dot next to a Red or Green bank slot underneath the Preset name indicates that a preset saved on the Spark PEDAL itself is currently in use.

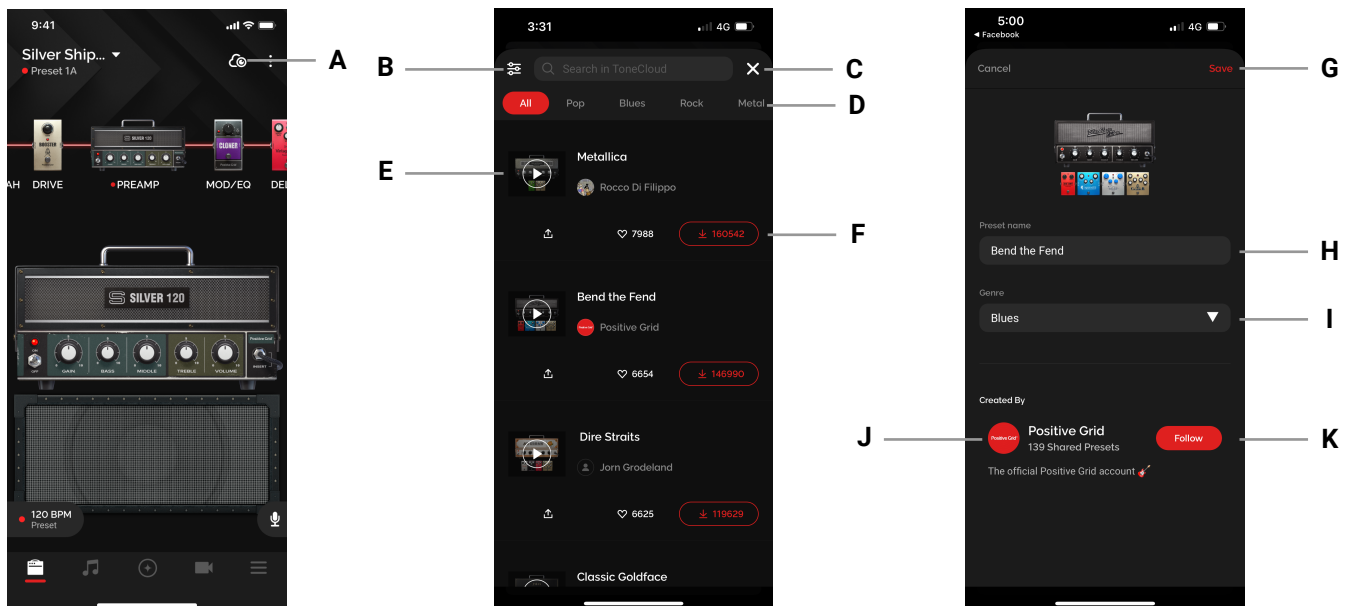
(F) Tap Tempo - sync up delays and modulations when the BPM sync toggle on the effect is on by assigning a BPM to your preset. You may adjust BPM in 3 ways:

- (i) Tap the TAP button to tap a tempo
- (ii) Tap the BPM value and type in your desired BPM
- (iii) Tap the + or - buttons to adjust by 1 BPM, long press the buttons to jump up by increments of 10 BPM

Exploring the ToneCloud®

The ToneCloud® is a preset sharing system developed by Positive Grid. Sync your presets across devices, take your tones on the road, share your presets or download presets designed by other musicians in our community from all over the world!

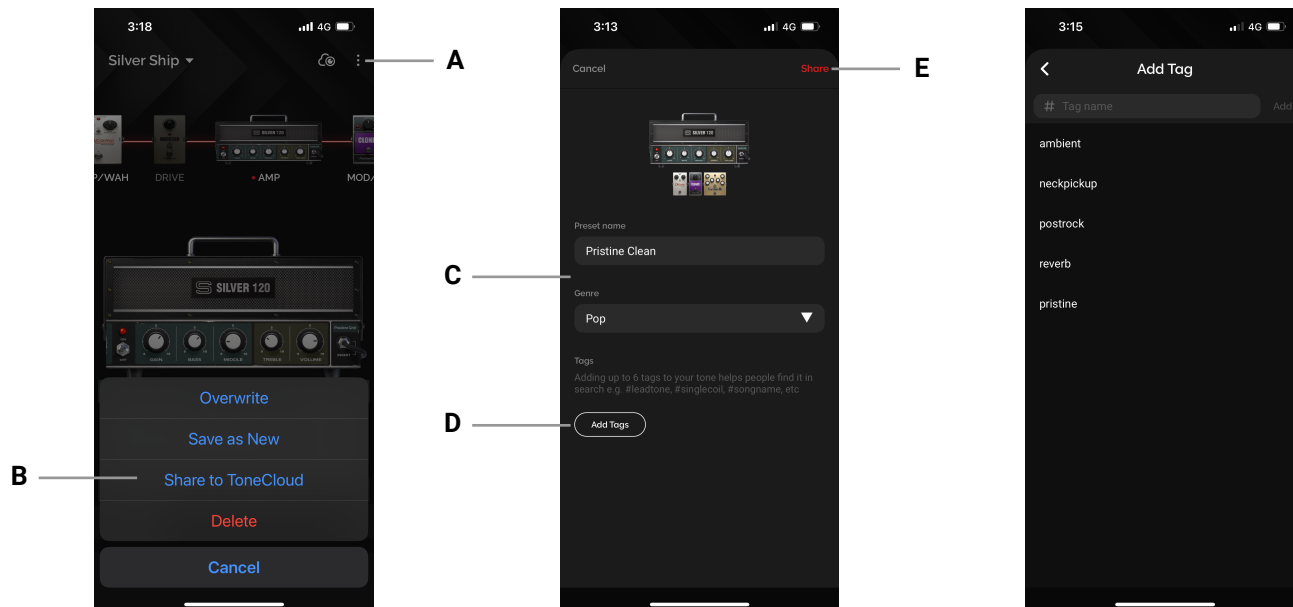
Search and Preset Actions



- (A) Tap on the ToneCloud icon to access the ToneCloud for the current input
- (B) Tap to Sort presets
- (C) Tap the X to exit the ToneCloud
- (D) Tap on the categories to browse presets by genre
- (E) Tap the Play button on the Preset thumbnail to preview a tone when connected to the Spark amp
- (F) From Left to Right; (i) [ToneLink] Tap on the Share button to share a link to the preset externally, (ii) Tap on the Like button to add the preset to your favorites, (iii) Tap the Download button to bring up the Download menu
- (G) Tap Save to save the preset to your local preset list
- (H) Rename the preset before you save
- (I) Select which category you would like the preset to show up in
- (J) Tap on the Profile to explore the preset creator's profile
- (K) Tap on Follow to follow the creator, their presets will show up in the Following category in the ToneCloud

Share Your Own Presets to the ToneCloud

Share presets you've designed yourself for others in the Spark community to enjoy.



(A) Tap on the  on the top right of the Tone page

(B) Tap Share to ToneCloud

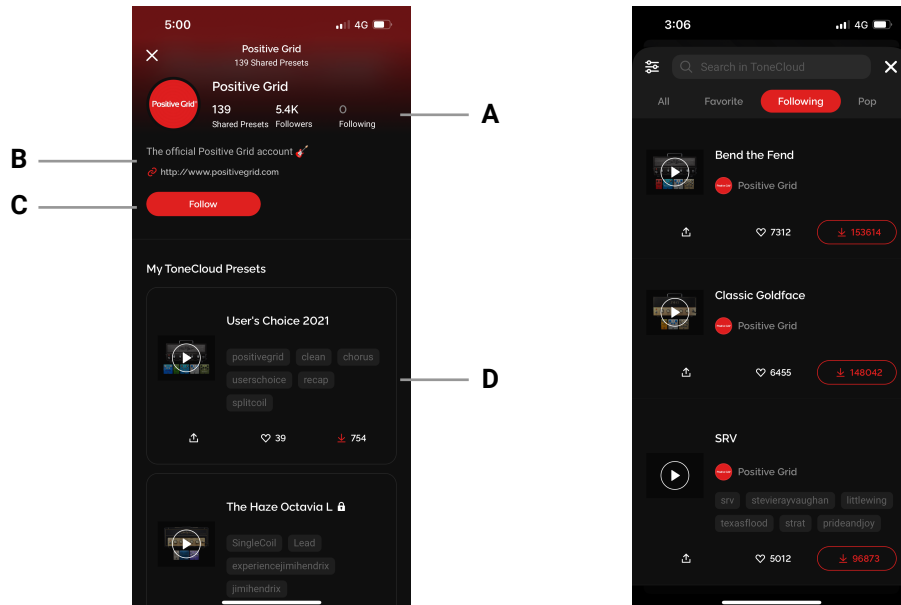
(C) Rename the Preset and select a genre

(D) Add up to 6 tags to make it easier for others to search for your preset; some suggested tags would be pickups used (single coil, humbucker, etc), which pickup position was used, characteristic of the tone (ambient, crunchy, higan, etc) and its usage (lead, rhythm, solo, etc), artist or song, etc.

(E) Tap Share to share it to the ToneCloud

Explore Other's Profiles

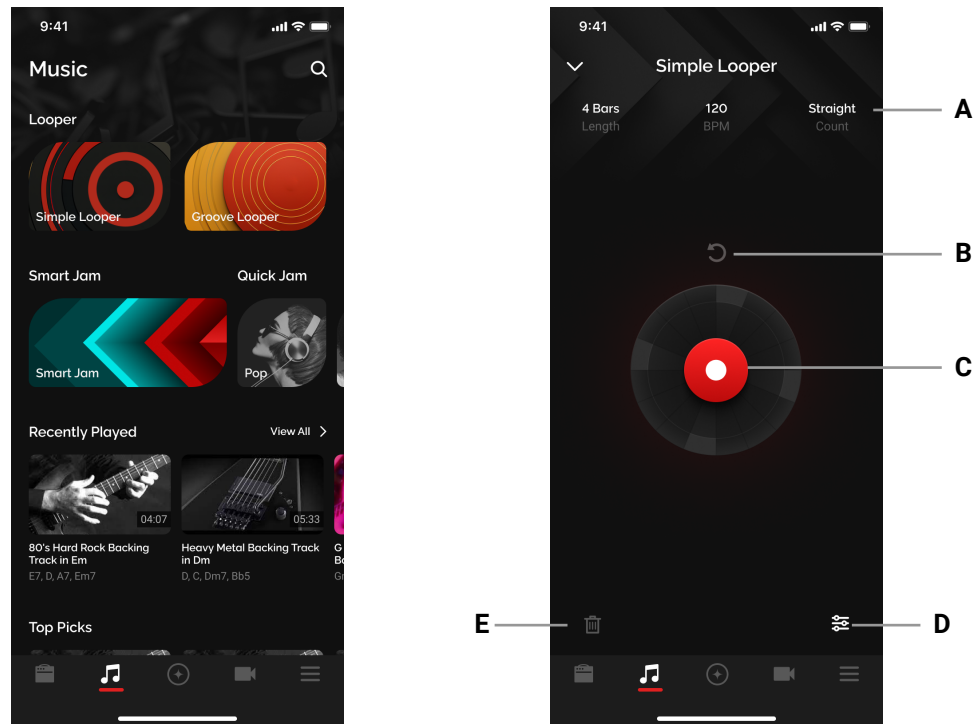
Get to know other musicians in the Spark community by exploring and following their profile.



- (A) Tap on Followers or Following to see who the profile owner is following or being followed by.
- (B) Read the profile's Bio or tap on their link to learn more about them.
- (C) Tap on Follow to add them to your follow list; their presets will show up in the Following category of the ToneCloud.
- (D) Explore presets that have been shared to the ToneCloud by the profile owner.

Looper: Simple Looper

Spark PEDAL has a built in looper to further enhance your playing experience. When connected to the app, you can control the looper from your phone and access additional settings.

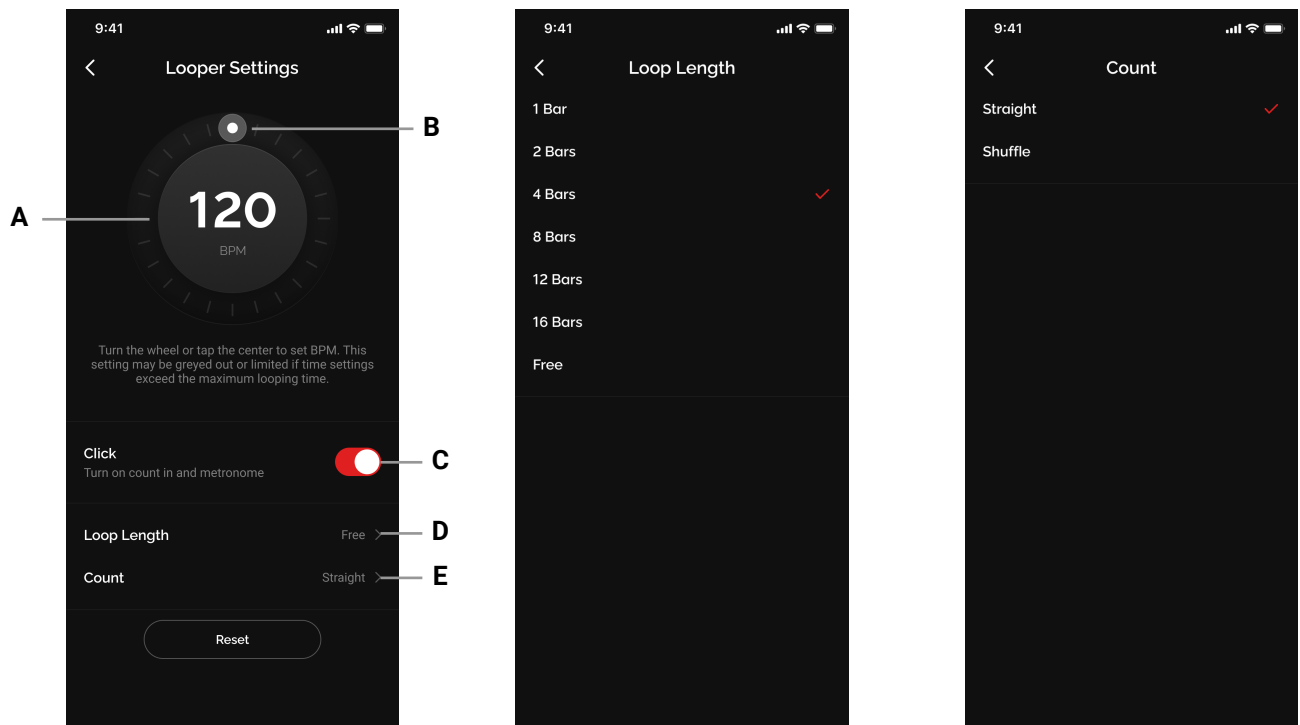


Make sure you are connected to your Spark device's Bluetooth Audio and Tone Control connections, and ensure that your phone's volume is also turned up, then tap on the Music page and tap on the Simple Looper banner.

- (A) Looper Settings - tap on this area to access looper settings to adjust parameters.
- (B) Undo/Redo Button - removes or restores last recorded dub layer
- (C) Record/Dub Button, Progress Circle - start recording or dubbing, see how much time is left before the loop repeats
- (D) Mixer Button - Adjust loop and click volume
- (E) Discard Button - discards current loop if present

The looper can record up to 60 seconds, and one loop can be stored on the Spark device at a time.

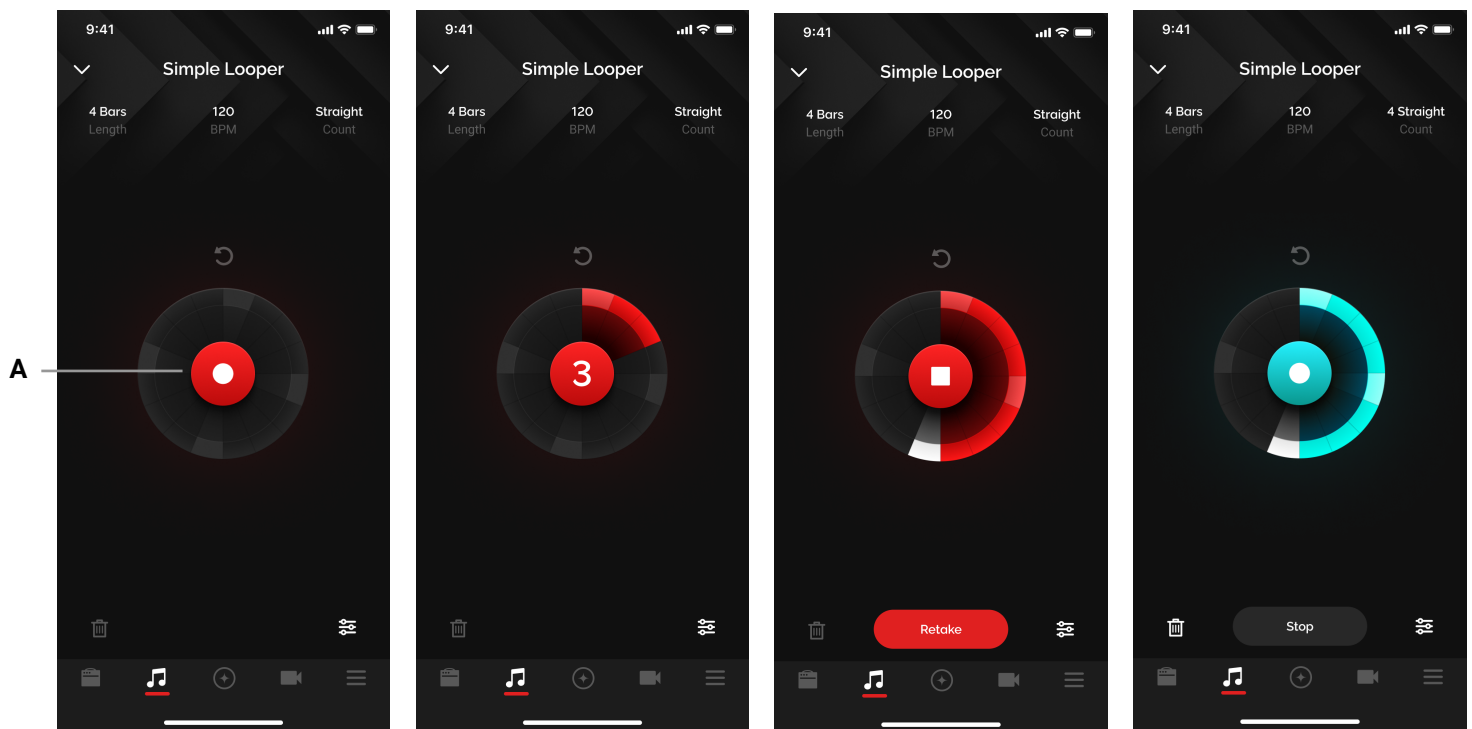
Simple Looper: Adjusting Time Settings



Adjust Time Settings:

1. Tap on the Looper Settings area to enter the menu
2. Adjust BPM
 - (A) Tap on the center 3 times or more for Tap Tempo functionality
 - (B) Tap the edge of the circle and rotate the dial to change tempo
 - I. The BPM setting will always follow the BPM of your current preset; changing your preset before recording will change the BPM to the BPM of the current preset. Once a loop has been recorded, the BPM will not change along with the preset.
 1. The looper has a 60-second limit. If a BPM and Loop Length combination would exceed this, those options are grayed out. For example: at 40 BPM, the 12-bar and 16-bar options are unavailable; at a 12-bar Loop Length, the minimum BPM is 47.
 - II. Minimum BPM is 40, Maximum BPM is 400
- (C) Click toggle
 - I. On - Auto Mode: a metronome will be provided to loop with, and after a 4 beat count in recording will begin. Recording will automatically stop when loop length is reached.
 - II. Off - Signal Detection Mode: recording will start when a guitar signal is detected. You will need to manually tap on the Record button again to stop recording.
- (D) Adjust Loop Length
 - I. Adjust the length of the loop to predetermined lengths
 - II. When "Free" is selected, the loop will stop when you tap on the Record button to stop recording
- (E) Adjust Count
 - I. Select between straight 4/4 feel and shuffle 4/4 feel

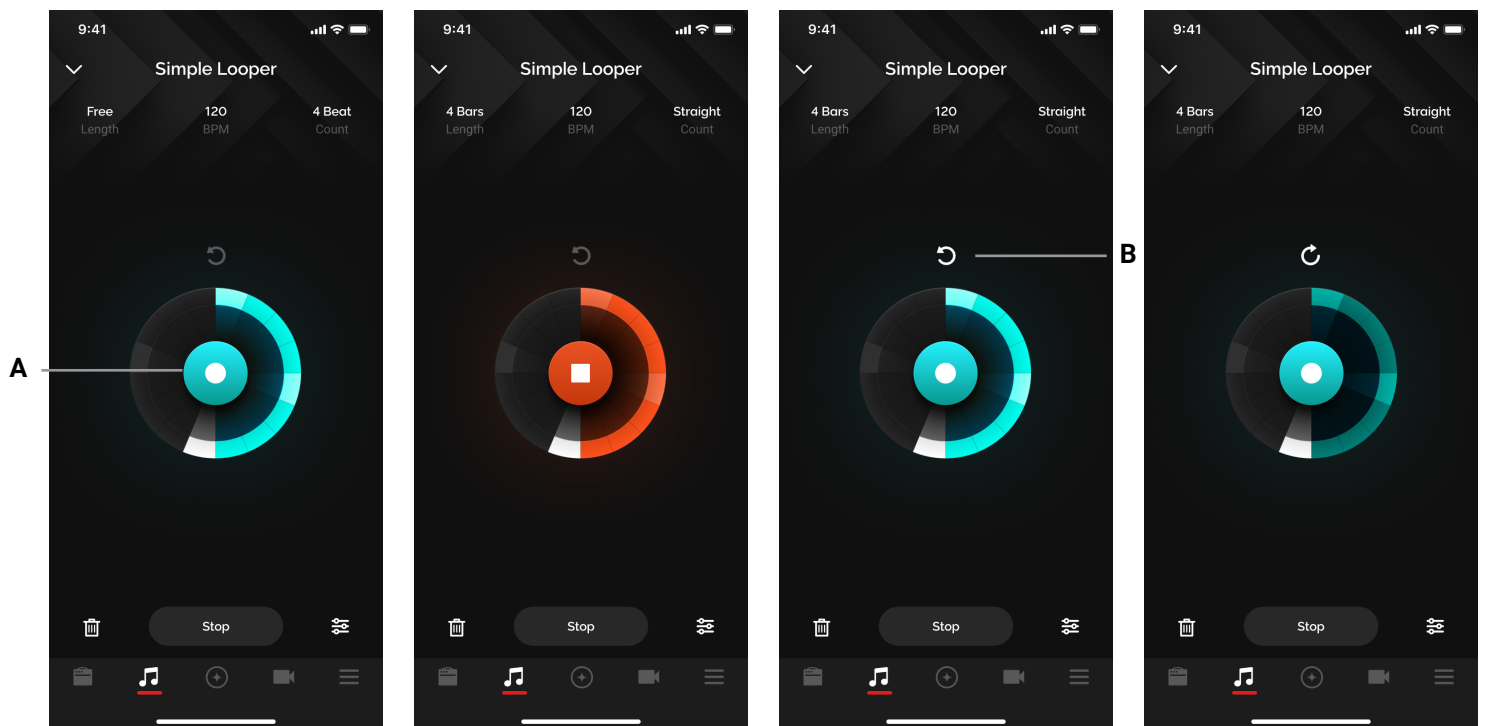
Simple Looper: Start Recording



Start Recording

- (A) Tap on the recording button in the middle of the circle
1. Depending on your Click and length settings, the recording function exhibits different behavior:
 - I. Click On (Auto Mode): a four beat count in will begin, after the four beats it will start recording
 - (i) Length Not Free: after the recording reaches the length of the loop length set in looper settings, it will automatically stop recording. If you tap the record button during this step, you will stop the recording, however the length of the loop will be the same depending on the length you set in the looper settings. Playback will begin from the point you pressed stop, so the loop will be empty until it replays the loop.
 - (ii) Length is Free: to stop recording, tap on the record button again. Playback will commence immediately from the beginning of the loop.
 - II. Click Off (Signal Detection Mode): the button will start breathing, and will start recording once a guitar signal is detected. Stop recording by tapping on the record button again
 2. If you make a mistake, tap on the Retake button to immediately go back to the count in step to immediately start recording again
 3. After a recording is complete, you may not adjust looper settings until you discard the loop.

Simple Looper: Dub, Undo/Redo



Dub, Undo/Redo

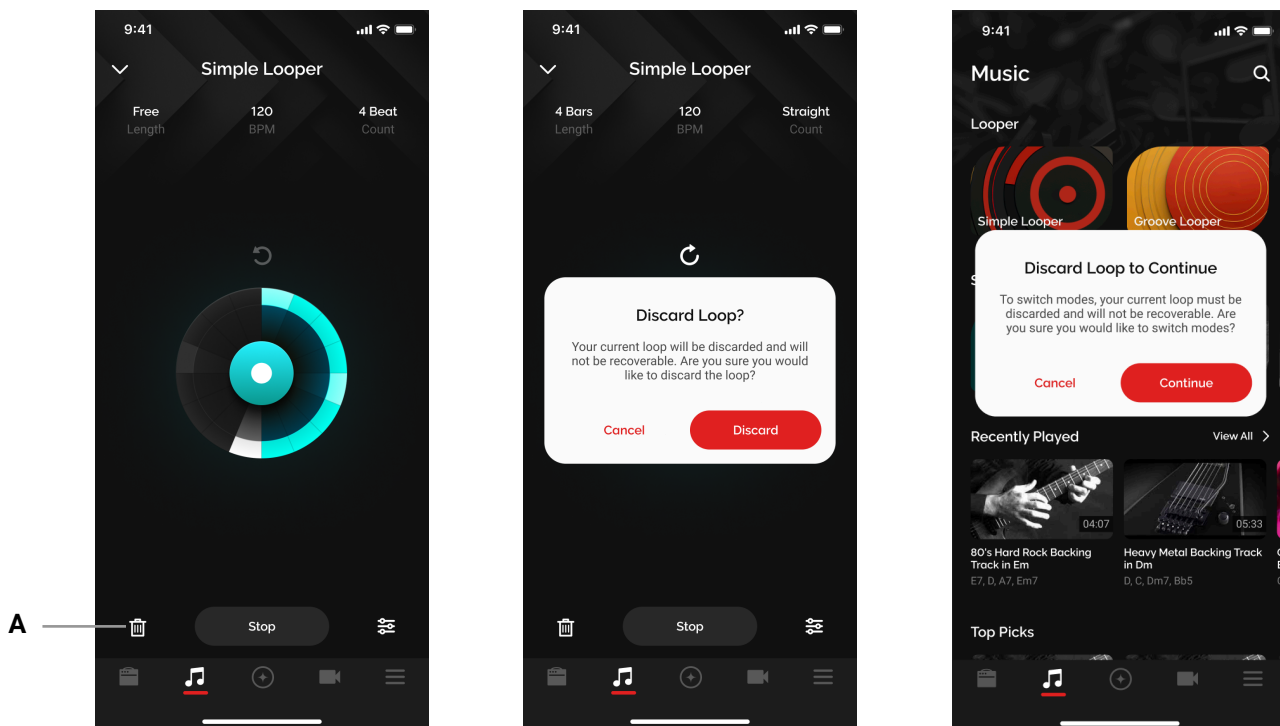
(A) Tap on the center of the circle to begin dubbing

1. There will be no click while dubbing even if Click is on as you may follow your original recording as the foundation to your loop
2. Dub will start from whenever you pressed the dub button.
3. You may dub as many layers as you want
4. The dub can also be as long as you want, it will record over the loop e.g if the base recording is 10 seconds, a dub can be 20 seconds (2 loops of the base recording), meaning you dubbed over two cycles of the loop.

(B) Undo/Redo functionality:

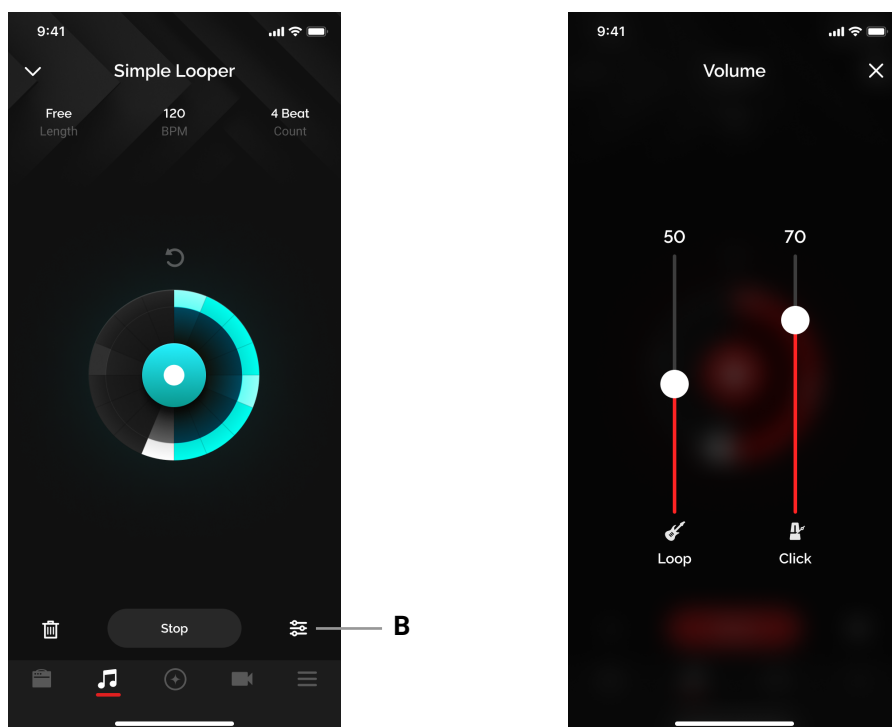
1. Tapping on undo will remove the last recorded layer. The button will switch to Redo
2. Tapping on redo will restore the layer. The button will switch to Undo
3. If there are no dubs present, undo and redo functionality will be disabled
4. When undo is triggered and the last recorded layer is removed, and a dub is triggered, once the user presses stop dubbing, the previously removed layer will be discarded forever and may not be restored via the redo button. The button will become the undo button once a dub is finished recording.

Simple Looper: Discard a Loop, Mixer



Discarding a loop

- (A) Tap on the Discard icon on the bottom left to discard a loop. A dialog box will appear to confirm your action.
1. When switching between Simple and Groove looper, the loop must also be discarded.
 2. If you do not discard a loop, the loop will be stored on the Spark Pedal hardware indefinitely until either you discard the loop or perform a factory reset.

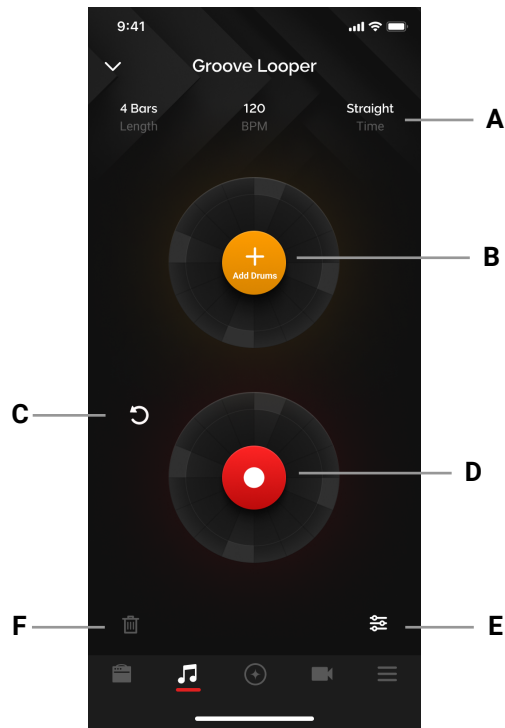
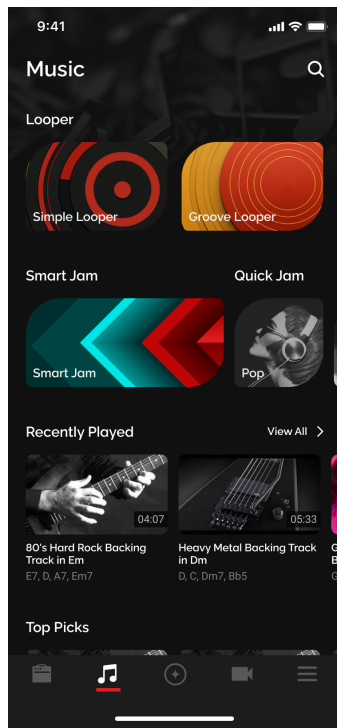


Mixer

- (B) Tap on the Mixer icon on to access the mixer, where you can adjust the loop and click volume
- Tip:** Click volume is also dependent on you phone's volume setting. Turn it up and adjust accordingly.

Looper: Groove Looper

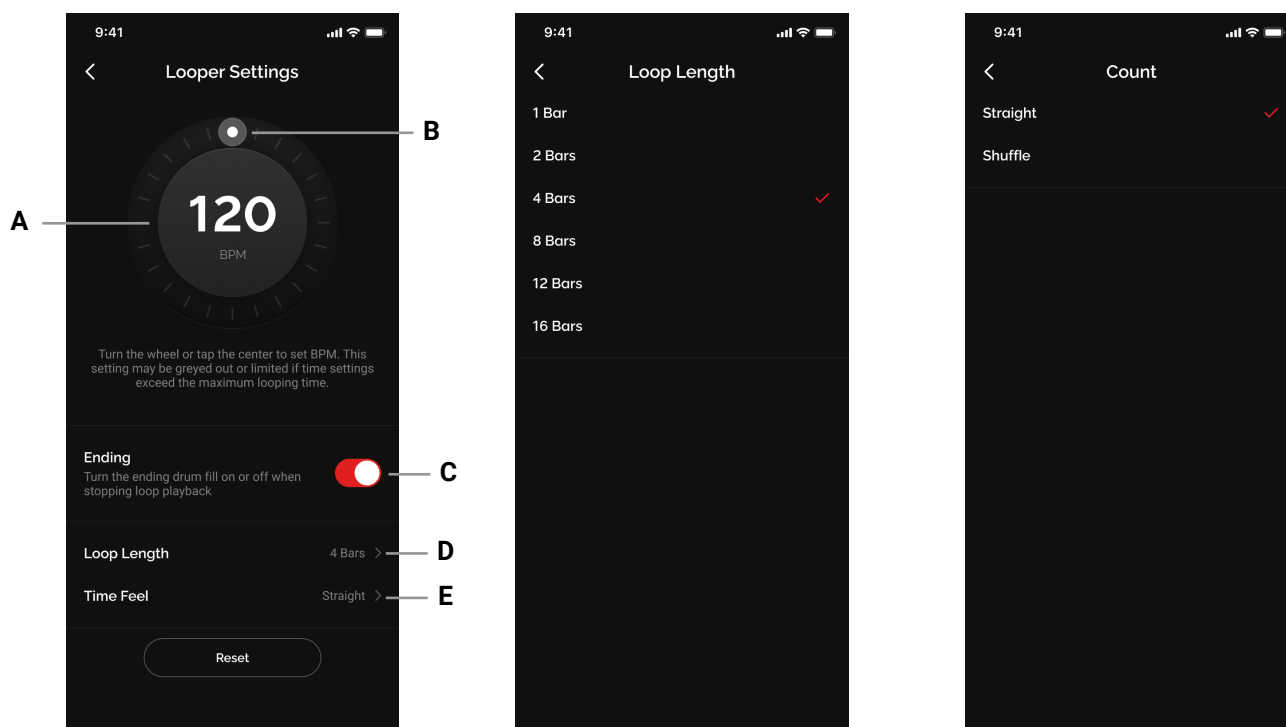
Groove Looper expands on the looper function even further, with realistic drums to accompany your loops to further immerse you in your own music.



Make sure you are connected to your Spark device's Bluetooth Audio and Tone Control connections, and ensure that your phone's volume is also turned up, then tap on the Music page and tap on the Groove Looper banner.

- (A) Looper Settings - tap on this area to access looper settings to adjust parameters.
- (B) Drum Selection Menu - add drum patterns to your loop
- (C) Undo/Redo Button - removes or restores last recorded dub layer
- (D) Record/Dub Button - start recording or dubbing
- (E) Mixer Button - Adjust loop and click volume
- (F) Discard Button - discards current loop if present

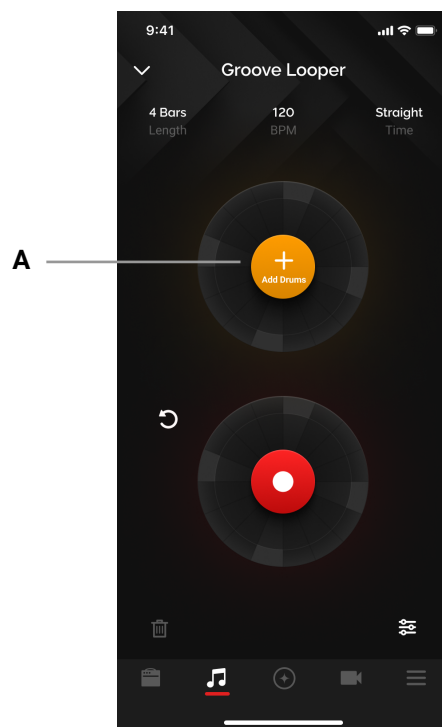
Groove Looper: Adjusting Time Settings



Adjust Time Settings:

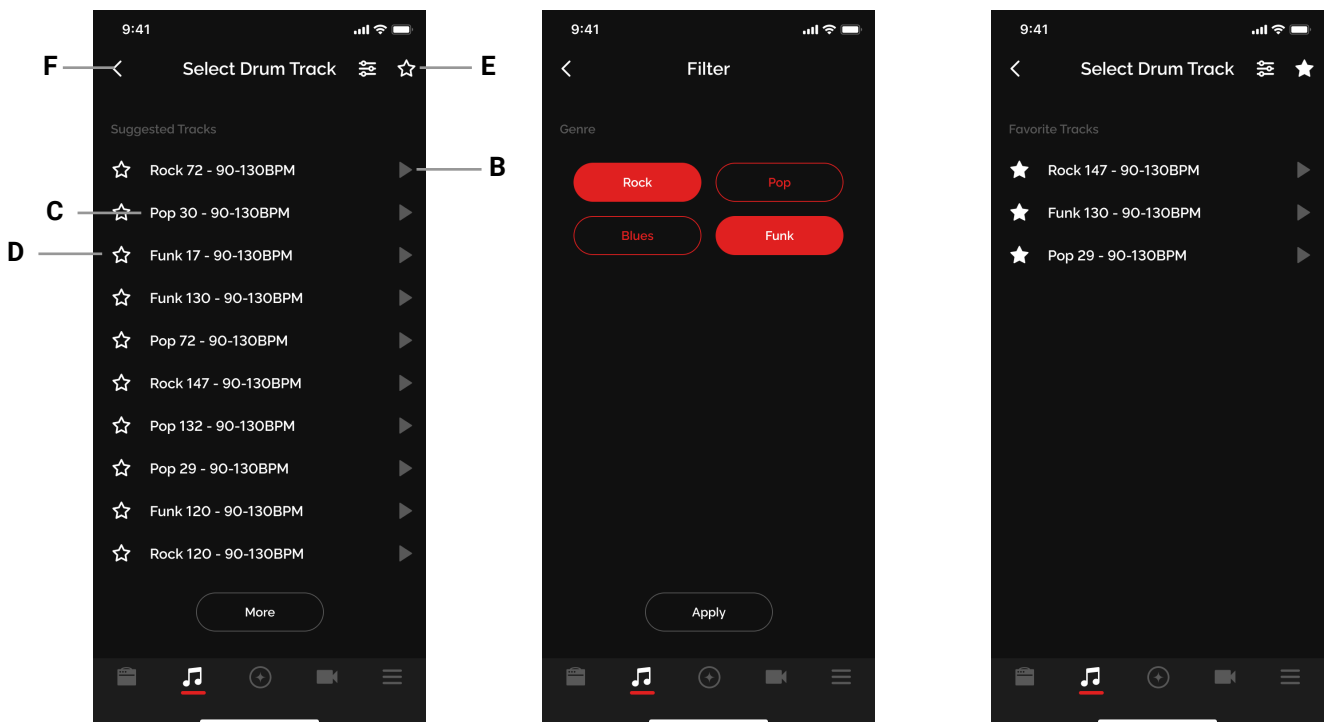
1. Tap on the time settings area to enter time settings
2. Adjust BPM
 - (A) Tap on the center 3 times or more for Tap Tempo functionality
 - (B) Tap the edge of the circle and rotate the dial to change tempo
 1. The BPM setting will always follow the BPM of your current preset; changing your preset before recording will change the BPM to the BPM of the current preset. Once a loop has been recorded, the BPM will not change along with the preset.
 2. The looper has a 60-second limit. If a BPM and Loop Length combination would exceed this, those options are grayed out. For example: at 40 BPM, the 12-bar and 16-bar options are unavailable; at a 12-bar Loop Length, the minimum BPM is 47. Minimum BPM is 40, Maximum BPM is 400
- (C) Ending Toggle
 1. On: Ending drum fill will play when you stop playback
 2. Off: stops playback immediately
- (D) Adjust Loop Length
 1. Adjust the length of the loop to predetermined lengths
- (E) Adjust Count
 1. Select between straight 4/4 feel and shuffle 4/4 feel
 2. This determines what Drum patterns are available
 - I. Straight feel will have Rock, Funk and Pop available; Blues will not be available to select
 - II. Shuffle feel will have Blues available, Rock, Funk and Pop will not be available to select

Groove Looper: Adding Drums



Adding Drums

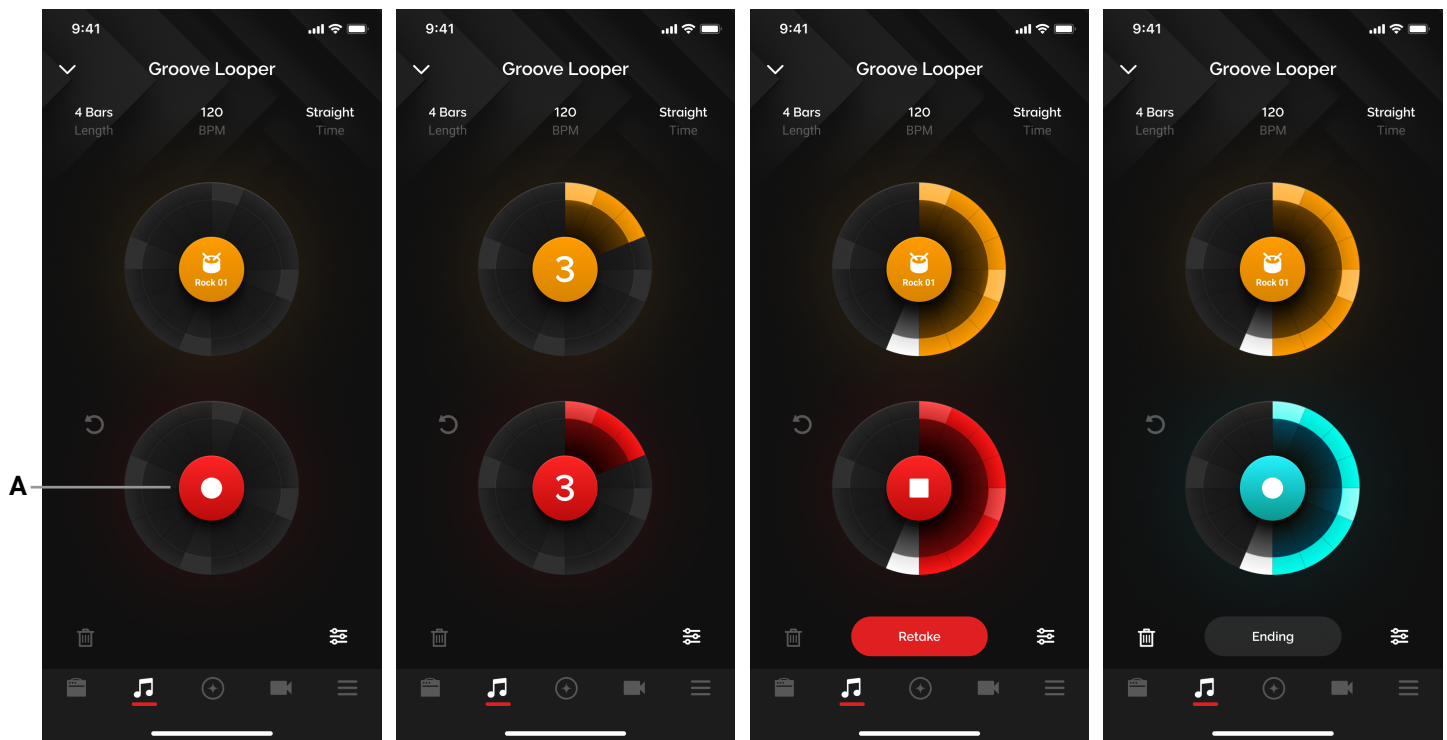
(A) Tap on the add drum button on the top circle: You may not start recording until you select a drum pattern when in Groove Looper



Drum Selection Menu

- (B) Preview: tap on the play button next to the drum pattern name to preview the drum pattern
- (C) Select: tap on the name of the drum pattern you want to select to load the drum pattern
- (D) Add to Favorites: tap on the star next to the drum pattern to save the drum pattern to your favorites
- (E) Favorites: tap on the star on the top right to access your favorites
- (F) Filter: tap on the filter button on the top right to access the filter and filter between genres
 - (i) Drums will be randomized every time you enter the Drum Selection menu
 - (ii) You may change the drum track when a loop is recorded, but only when playback is stopped.

Groove Looper: Start Recording



Start Recording

- (A) After selecting drums, tap on the Record button in the middle of the bottom circle. A drum fill in will begin and after 4 beats, the recording will start.
1. Recording will automatically stop once the loop length is reached.
 2. If you tap the record button during this step, you will stop the recording, however the length of the loop will be the same depending on the length you set in the time settings. Playback will begin from the point you pressed stop, so the loop will only have drums until it replays the loop.
 3. If you make a mistake, tap on the Retake button to immediately go back to the count in step to immediately start recording again
 4. After a recording is complete, you may not adjust time settings until you discard the loop.

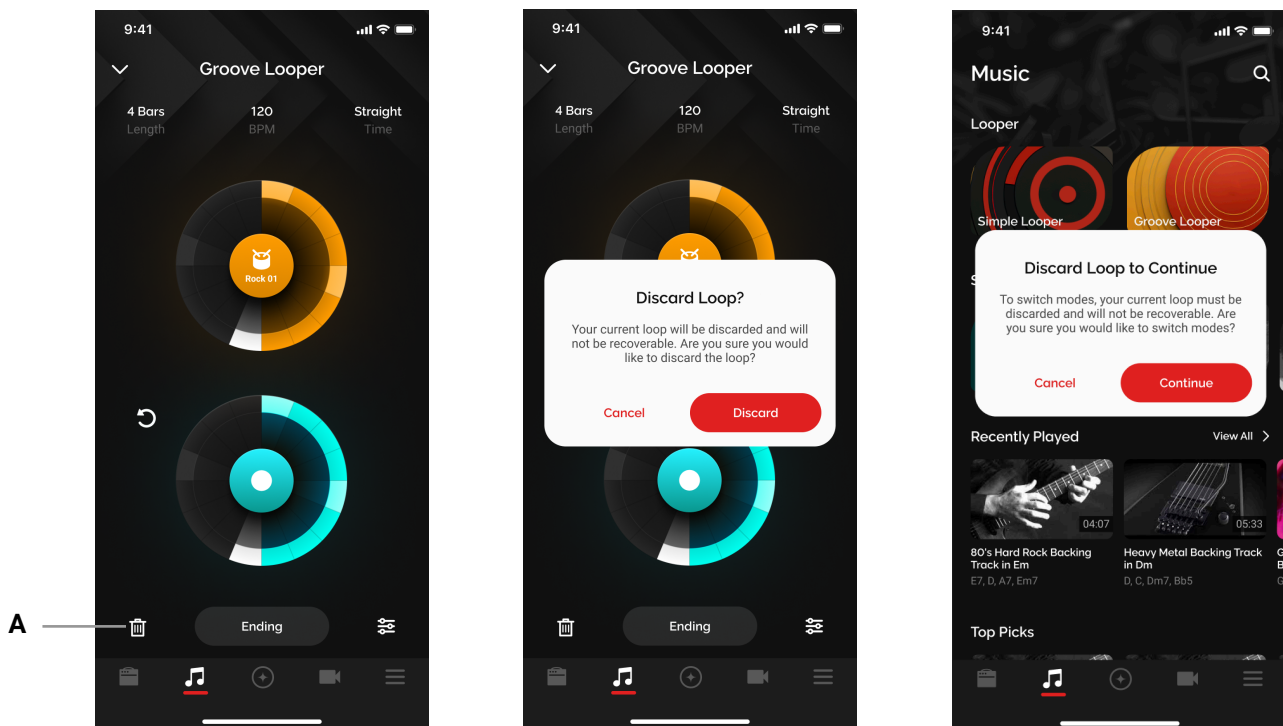
Groove Looper: Dub, Undo/Redo



Dub, Undo/Redo

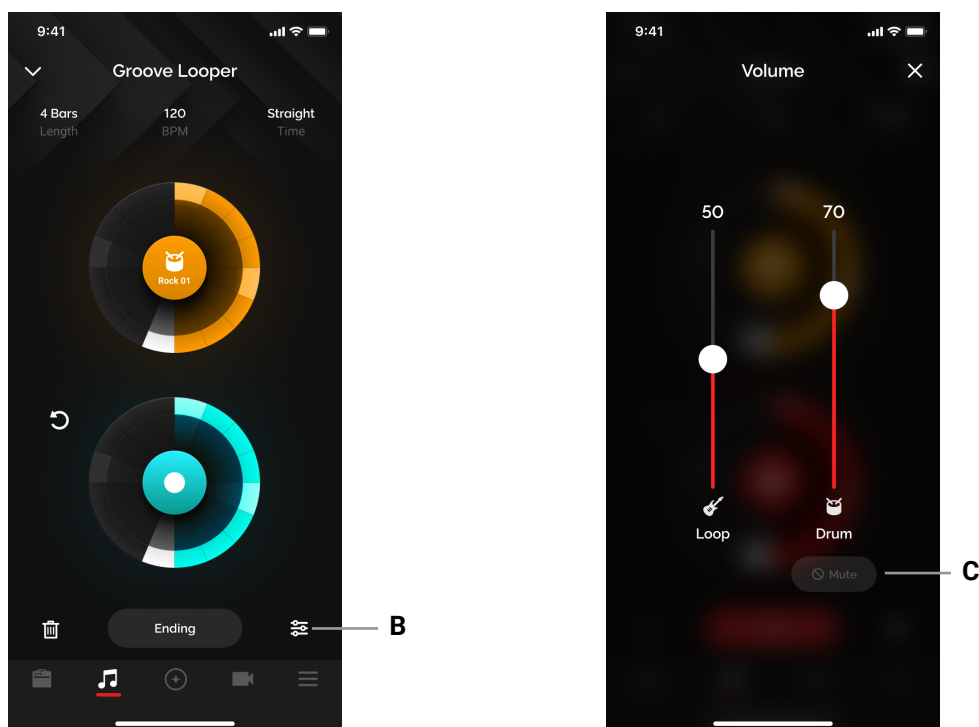
- (A) Tap on the center of the bottom circle to begin dubbing
1. Dub will start from whenever you pressed the dub button.
 2. You may dub as many layers as you want
 3. The dub can also be as long as you want, it will record over the loop e.g if the base recording is 10 seconds, a dub can be 20 seconds (2 loops of the base recording), meaning you dubbed over two cycles of the loop.
- (B) Undo/Redo functionality:
1. Tapping on undo will remove the last recorded layer. The button will switch to Redo
 2. Tapping on redo will restore the layer. The button will switch to Undo
 3. If there are no dubs present, undo and redo functionality will be disabled
 4. When undo is triggered and the last recorded layer is removed, and a dub is triggered, once the user presses stop dubbing, the previously removed layer will be discarded forever and may not be restored via the redo button. The button will become the undo button once a dub is finished recording.

Groove Looper: Discard a Loop, Mixer



Discarding a loop

- (A) Tap on the Discard icon on the bottom left to discard a loop. A dialog box will appear to confirm your action.
1. When switching between Simple and Groove looper, the loop must also be discarded.
 2. If you do not discard a loop, the loop will be stored on the Spark Pedal hardware indefinitely until either you discard the loop or perform a factory reset.
 3. A Groove Looper loop that is stored in hardware requires the app to be connected to playback.



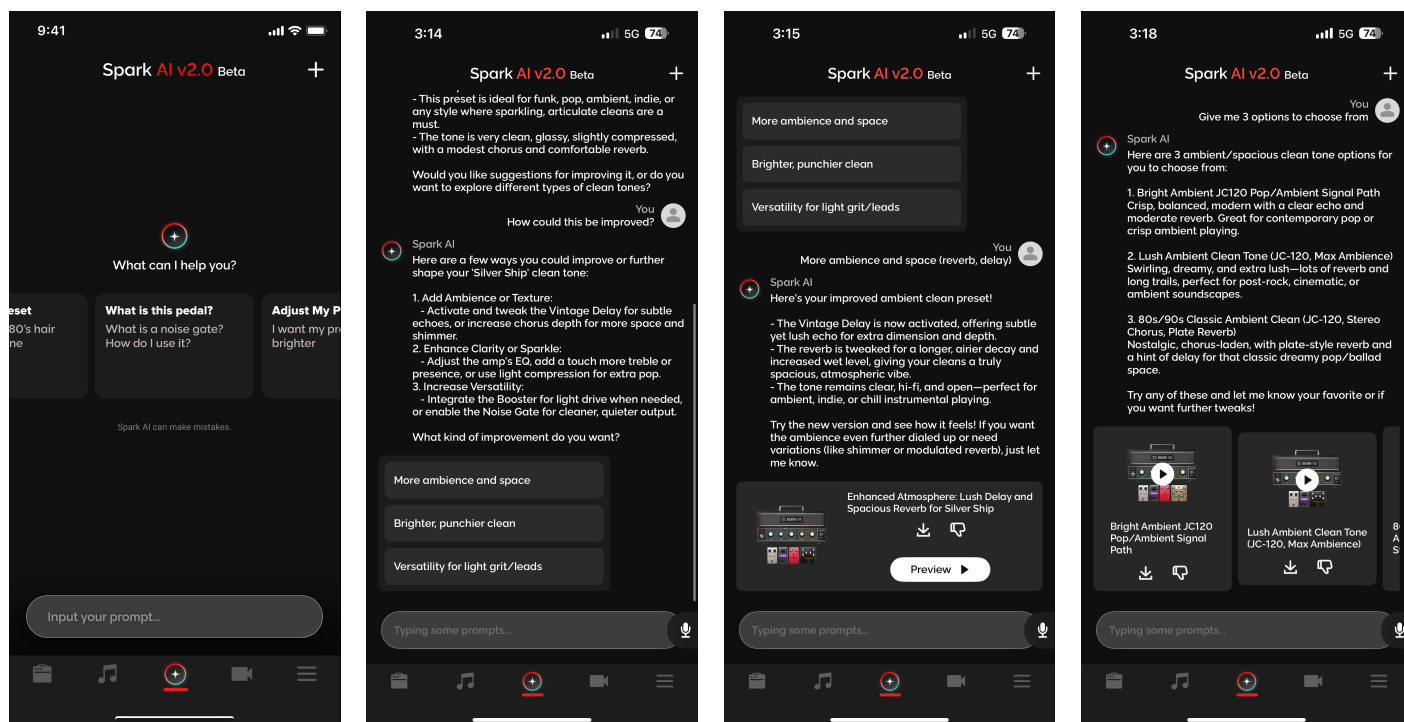
Mixer

- (B) Tap on the Mixer icon on to access the mixer, where you can adjust the loop and click volume
- (C) Tap on the Mute button to mute the drums during playback

Tip: Drum volume is also dependent on you phone's volume setting. Turn it up and adjust accordingly.

Using Spark AI

Spark AI is your tone-building assistant. It creates presets based on your description, analyzes your sound, and helps you shape your tone with simple commands.



To begin, make sure the Spark app is connected to your Spark PEDAL's Tone Control connection and that you're logged in to your Positive Grid account.

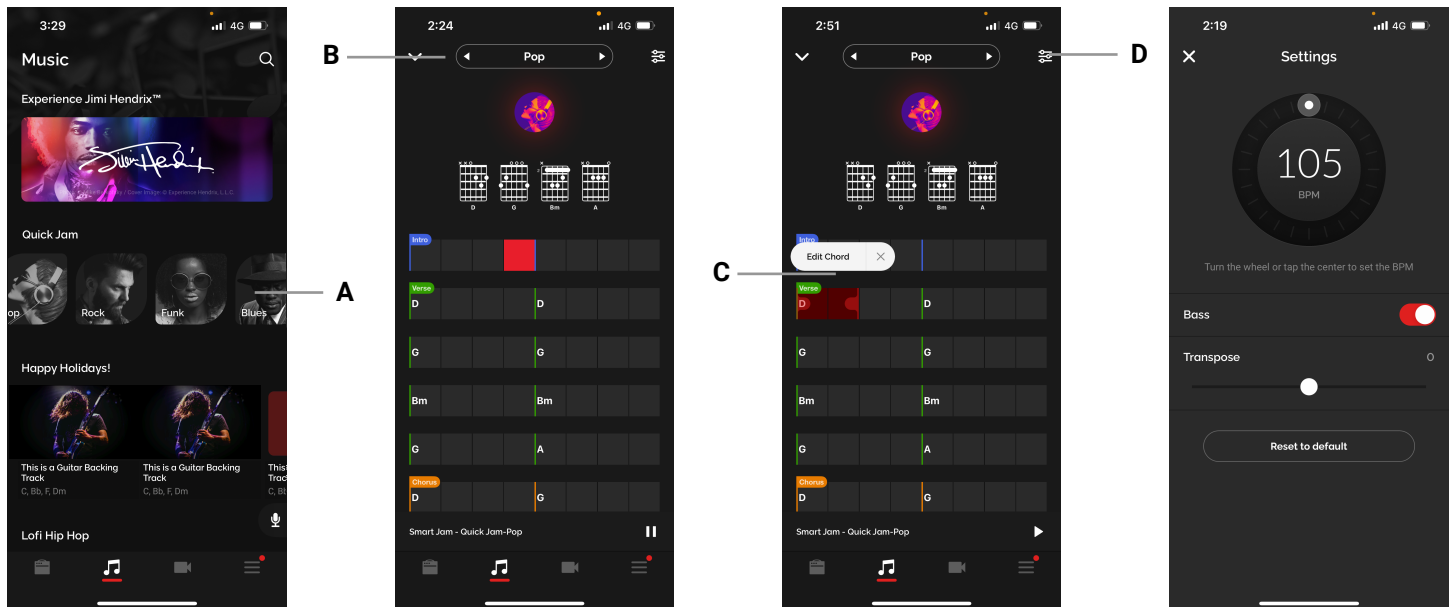
1. Tap the **Spark AI** icon at the center of the bottom bar.
2. Tap one of the predefined prompts, or type your own prompt into the text box at the bottom.
3. Spark AI can help you:
 - (A) Create tones based on your description
 - (B) Analyze your tone and suggest improvements or offer a new flavor
 - (C) Edit your tones after they're generated
 - (D) Teach you about pedals in the Spark app, how to use them, and even walk you through building a signal chain from scratch
4. After entering your prompt, Spark AI will respond with results. It may ask for more details, provide the information you requested, or generate preset(s) based on your prompt. You can continue the conversation to refine your tone or learn more.
5. To start a new chat, tap the “+” button in the top right corner to clear your current conversation.

Tip: Feel free to use “musician-speak” and Spark AI will do its best to translate phrases like “give me more grit”, “more body”, or “make this less muddy” into the tone you’re after.

Tip: You can use your keyboard’s dictation feature to speak naturally to Spark AI

Starting a Quick Jam

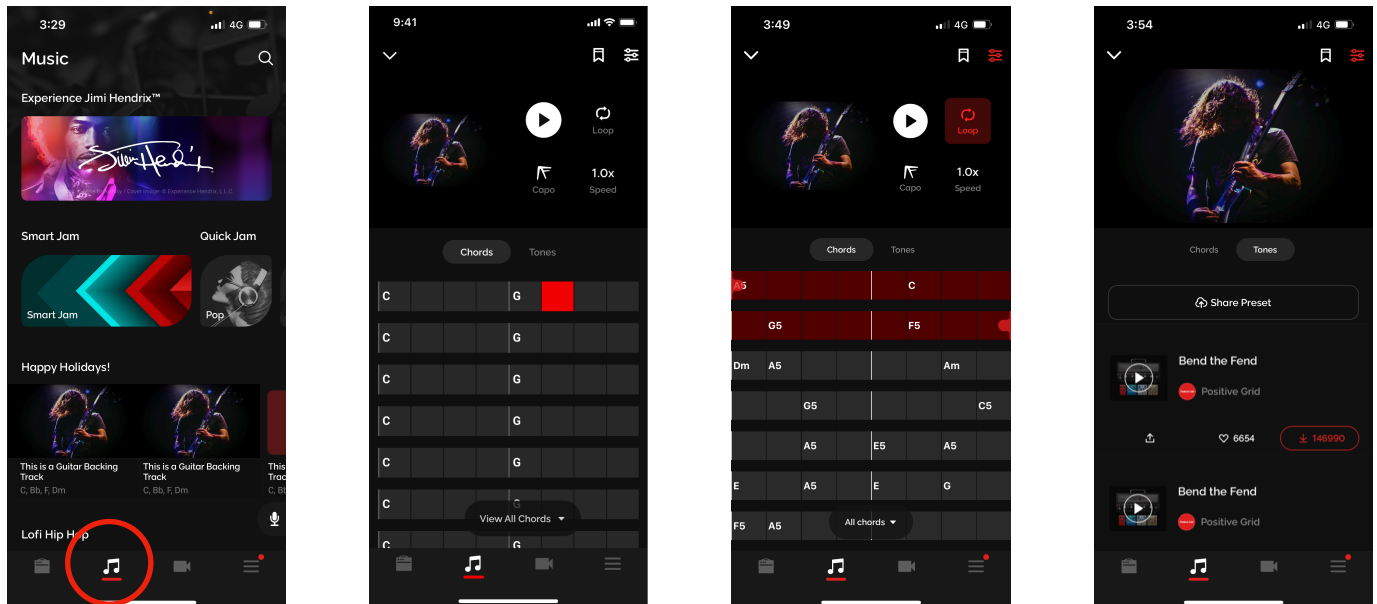
Quick Jam are backing tracks that use the same audio engine as Smart Jam with preset chord progressions and grooves.



- Access Quick Jam by going to the Music page, then scroll the Quick Jam banner horizontally to see the available genres; Pop, Rock, Funk and Blues. Tap into the genres to start the backing track.
- Tap on the left and right arrows next to the genre at the top of the page to switch between the designed tracks for each genre.
- Pause the track, then long press a chord to edit the chord.
- Tap on the Settings icon on the top right to adjust settings. You may adjust the tempo, turn off the bass, or transpose the track by increments of half steps up to an octave up or down. Tap Reset to default to reset the track to its initial default state.
- Any changes made will be automatically saved, and automatically loaded when you load up Quick Jam.

Using Auto Chords and Tones

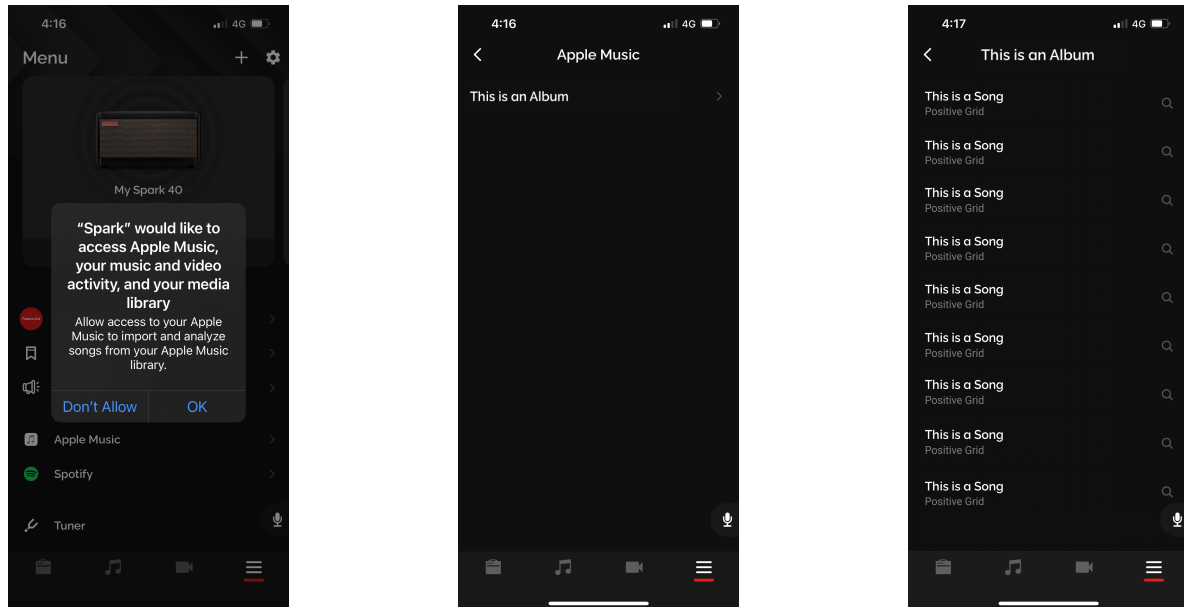
Choose any song, and Spark will automatically display its chords in real time as you play. Intuitive controls easily let you slow down the song's tempo or loop a difficult section.



- (A) Go to the Music page and tap on our curated playlists to learn songs from those playlists.
- (B) Search for any song with the search bar at the top of the Music page to learn a song of your choice.
- (C) Tap on the Settings icon on the top right to access Music tools
 1. Tap on Loop and drag the handles to loop the selected section.
 2. Tap on Capo to change the chords to a capo'd version, allowing you to play with standard open chords.
 3. Tap on the Speed button to change the speed of the track to 0.5/0.8/1.0x speed to practice at a slower tempo.
- (D) Tap on Tones to bring up tones that are recommended for the song according to other users. Upload your own ToneCloud presets to contribute to this growing pool of tones!

Connecting Apple Music

Connect your Apple Music accounts to import your saved albums to the Spark app.



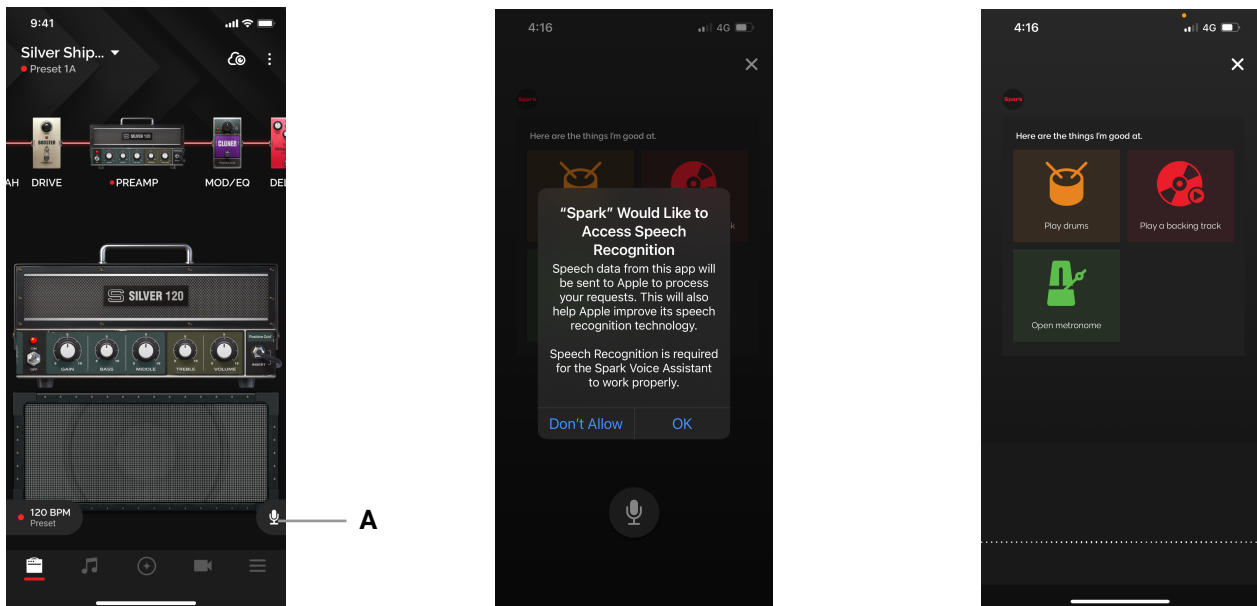
(A) Go to the Menu page and tap on Apple Music.

(B) Log in to your Apple Music accounts.

(C) Choose the desired album from your Apple Music list to import your albums into Saved Songs in the Menu page.

Tip: Make sure that Spark has access to your Apple Music account.

Using Voice Command



(A) Music Assistant

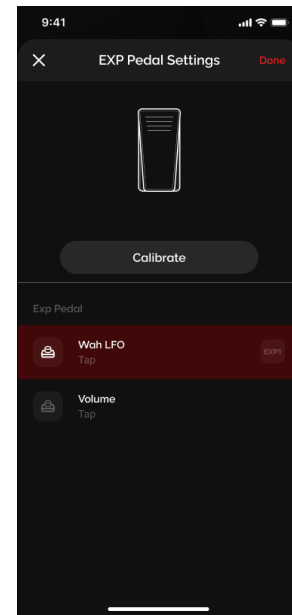
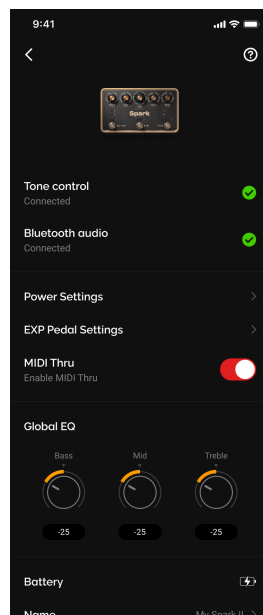
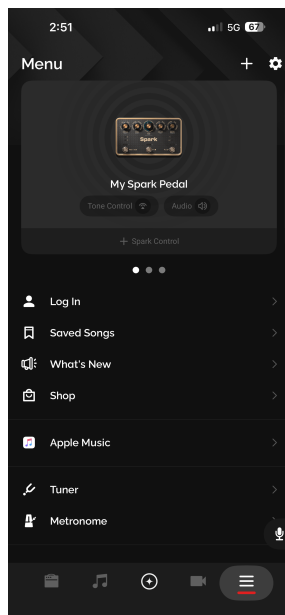
1. Tap the microphone icon. It is available in most pages.
2. Make sure to allow permissions for Speech Recognition and your devices Microphone to ensure the feature works properly.
3. Speak into your smartphone with the following voice commands. Alternatively, you can tap the on-screen quick commands.
 1. Play drums
 2. Play a backing track - Play a custom backing track.
 3. Metronome - Open Spark's built-in metronome

(B) Voice Command Language Support

1. English
2. Japanese

Tip: The Voice Command feature has three quick commands. Try them!

Device Card and Adjustments



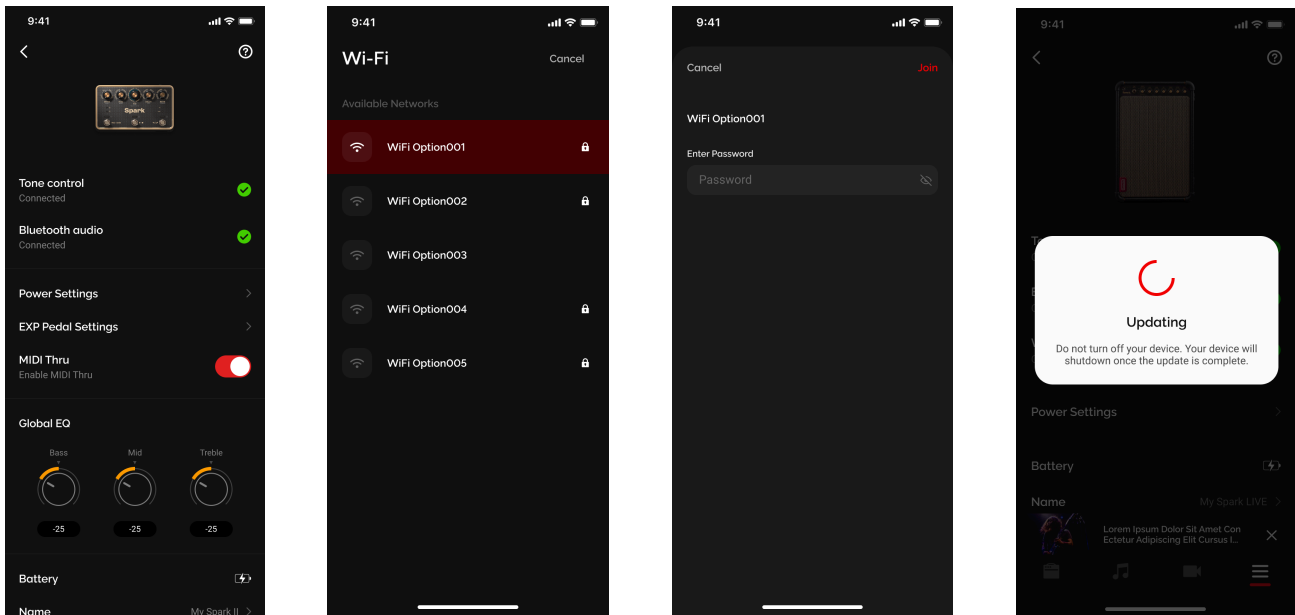
The Device Card can be accessed from the Menu page once you've connected your Spark PEDAL. Once connected, tap the device at the top of the menu to access your Device Card, where you can adjust several settings and view current status information.

1. **Tone Control and Bluetooth Audio** - Shows the status of the Bluetooth connections between your device and your Spark PEDAL.
2. **Power Settings** - Adjust Spark PEDAL's Auto Standby and Auto Shutdown features to save battery life.

Spark Pedal will automatically enter a low power state after a set amount of time has passed where no audio is detected to preserve battery life. The time it takes to enter standby mode can be adjusted in this menu. While the Spark Pedal is in this state, instrument output and music playback will be temporarily disabled. To enable audio output again, play your plugged in instrument or start audio playback to reactivate it.

3. **EXP Pedal Settings** - Adjust what the expression pedal controls and calibrate your connected expression pedal
4. **MIDI Thru** - Allow for MIDI Thru to be activated so that any MIDI commands sent through MIDI In will be sent to MIDI Out
5. **Global EQ** - Adjust the Bass, Mid and Treble values of the output of the Spark PEDAL.
6. **Battery** - Displays the battery status of your device
7. **Name** - Change the display name shown when connecting to your Spark PEDAL.
8. **Model** - Displays the model of your Spark PEDAL.
9. **Firmware** - Displays the firmware version installed on your Spark PEDAL.
10. **Serial Number** - Displays the serial number and registration status of your Spark PEDAL. If your device is not registered, selecting this option will guide you through the registration process.
11. **Restore to Factory Settings** - Restores all settings to the factory defaults.
12. **Forget This Device** - Remove this device from your list of connected devices.

Updating Your Firmware On Spark PEDAL



Spark Pedal has the ability to update its firmware via Wi-Fi. Please make sure you are near a Wi-Fi access point with an internet connection and follow the instructions to update your firmware:

Connecting to Wi-Fi

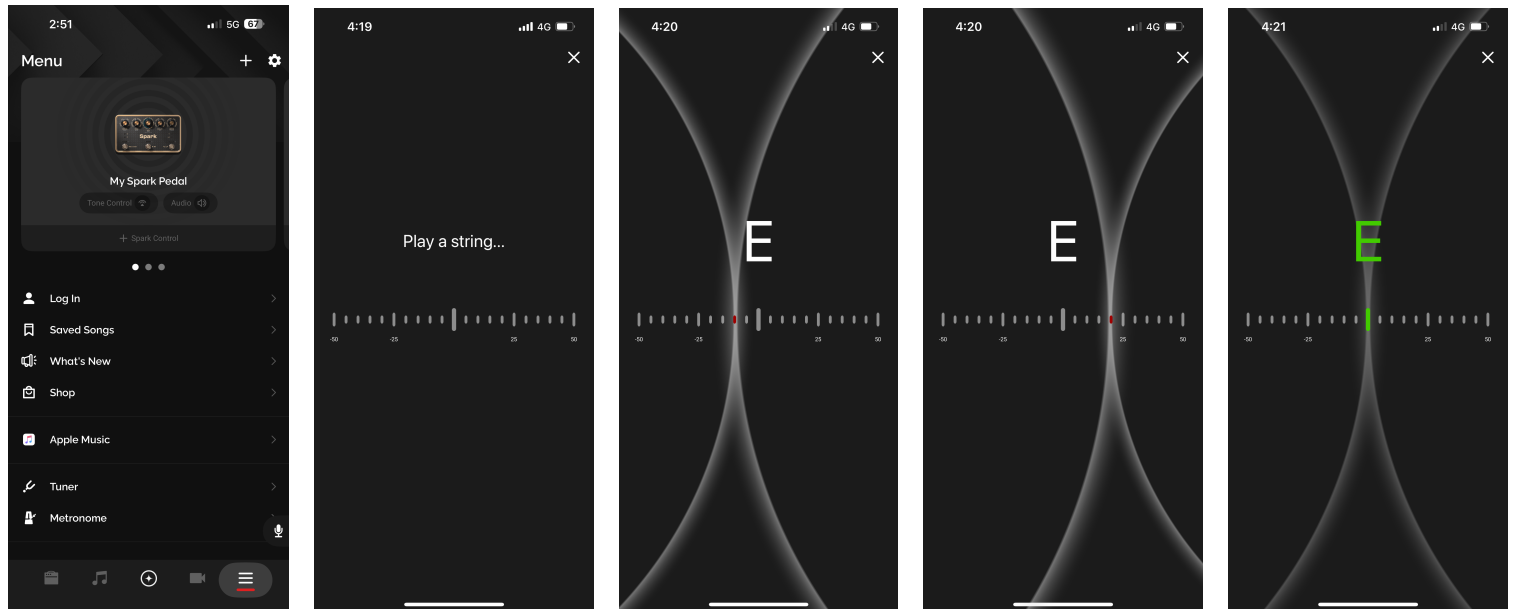
1. Tap on the “Check for Update” button, a dialog box should appear asking to connect to Wi-Fi
2. Tap Connect. Your Spark Pedal will search for available Wi-Fi access points. Select your access point and enter its password to connect.

Updating Firmware

1. Go into the device card of the Spark Pedal and tap on Check for Update or Update to update to the latest version.
2. Your device will automatically shut down once the update is complete. Turn on your device and connect, then double check the Device Card to see whether the firmware update was successful.

Other Available Functions

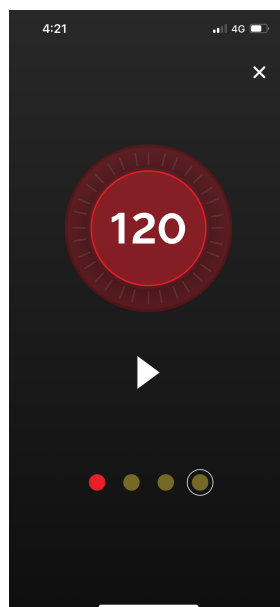
Tuner and Metronome



(A) Access the Tuner and Metronome by going to the Menu page and scrolling down, tapping on the desired tool.

(B) Once in the Tuner page, play your instrument to start tuning

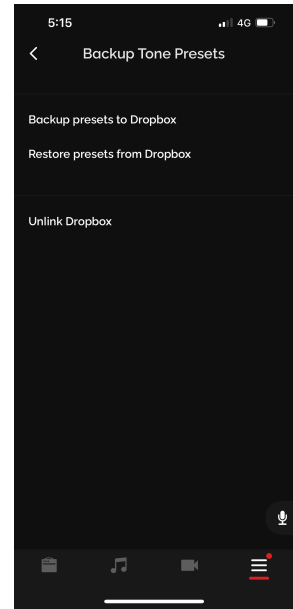
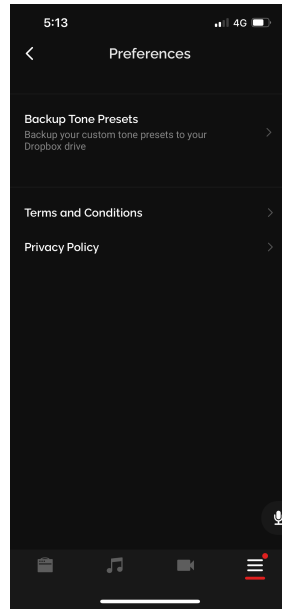
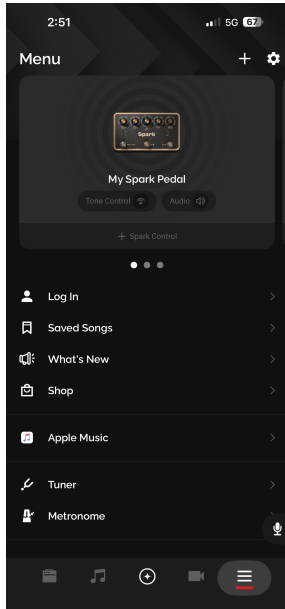
1. If the line is to the left of the middle point, your instrument is below the target pitch.
2. If the line is to the right of the middle point, your instrument is above the target pitch.
3. Once the line is in the middle and the note turns green, the string is in tune. Continue tuning the remaining strings.



(C) In the Metronome page, tap on the number at your desired tempo to set the tempo. You may also press and turn the outer ring to adjust the tempo. Tap on the play button to start the metronome.

Other Available Functions

Back Up Presets to Drop Box



(A) To Back Up your presets to Dropbox, tap on the  icon at the top right of the Menu page.

(B) Tap Backup Tone Presets and link your Dropbox account to the Spark app.

(C) Once linked, tap Backup Presets to Dropbox to back up your local presets, or tap Restore Presets from Dropbox to restore them.

Online Support

Visit our online Help Center for user manuals, FAQs, or to contact our support team.
Help Center: <https://help.positivegrid.com/>