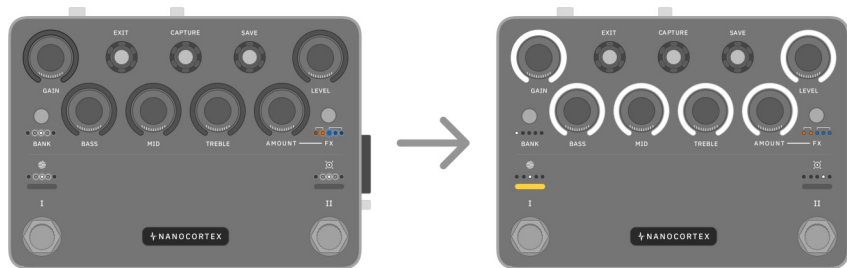


# Turning on your Nano Cortex

Connect your Nano Cortex to the power source.



After a few seconds, the **BANK**, **CAPTURE**, **FX**, and **IR** LEDs will light up indicating that Nano Cortex is powering on.



Once the booting sequence completes, Nano Cortex will enter Performance Mode.

## Power sources

Nano Cortex can be powered by two different sources:

- **External power supply:** Nano Cortex requires a center-negative power supply that provides 9-12V DC and at least 600mA, using a standard 2.1/5.5mm DC connector.
- **USB-C:** Nano Cortex can also be powered via USB-C (5V-1.5A). Connect the unit to your computer or another USB-C compliant power source with the included USB-C cable.

### Quad Cortex Power Supply Compatibility

You can also power your Nano Cortex with the Quad Cortex power supply.



### USB-C Compliant Power Sources

To ensure optimal performance and safety, please use a USB-C power source that complies with the following specifications:  
**5V-1.5A.**

While connecting Nano Cortex to USB-A ports will allow for data transmission, these ports will not provide sufficient power to fully operate the device..

Using USB-A ports or non-compliant USB hubs may result in improper functionality. Always verify that the USB-C source meets these requirements to maintain the longevity and reliability of your device.

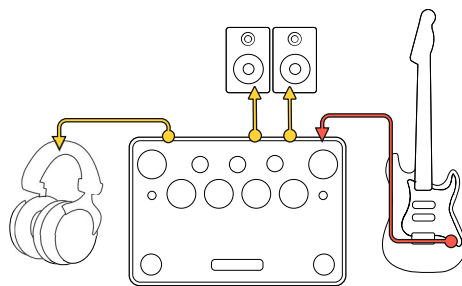


## Turning off your Nano Cortex



Disconnect the Nano Cortex from the power source to power off the device.

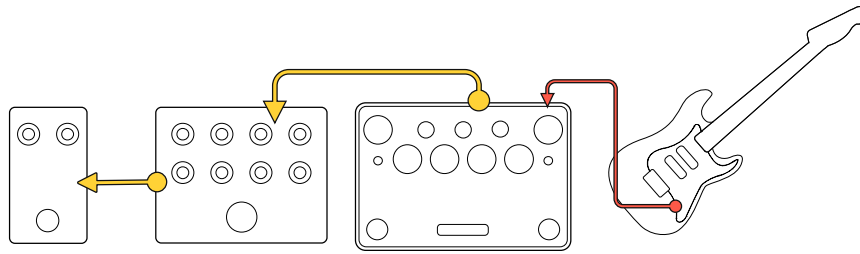
## Connecting your gear



Connect your instrument to **INPUT**.

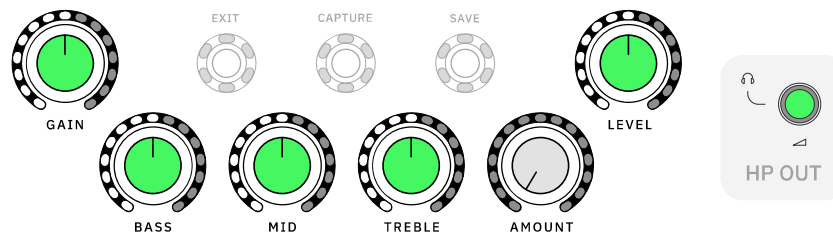
Connect your studio monitors, PA, or FRFR cabinet to

**OUTPUT 1L** and **2R**. Additionally, you can connect your Headphones to **HP OUTPUT**.



If your Nano Cortex is part of a bigger pedalboard setup, use **INPUT** and **OUTPUTS 1L/2R** to place it wherever you need it in the audio chain.

## Global controls



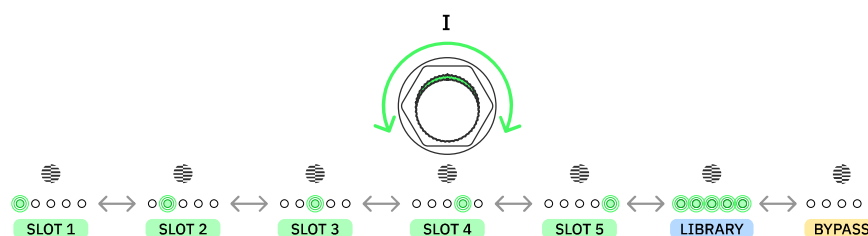
Turn **GAIN**, **BASS**, **MID**, and **TREBLE** knobs clockwise and counterclockwise to control the Capture parameters.

Turn **LEVEL** to control the master output volume (OUTPUT 1L and 2R).

Use the **HP OUT** knob on the back to control the headphones output volume.



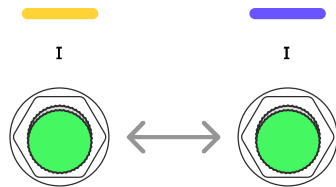
Press **BANK** to cycle through Capture banks.



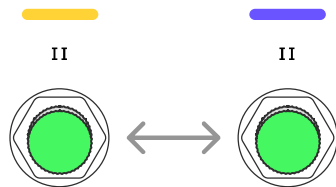
Turn **Footswitch I** clockwise or counterclockwise to navigate Capture slots.

All the LEDs will turn on when using a Neural Capture from the library that is not currently assigned to any slot.

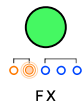
Navigate to the last position, where the LEDs are not lit, to bypass the Neural Capture.



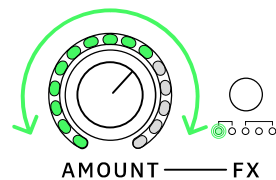
Press **Footswitch I** to toggle between Presets **IA** and **IB**. Different Presets can be assigned on the Cortex Cloud app.



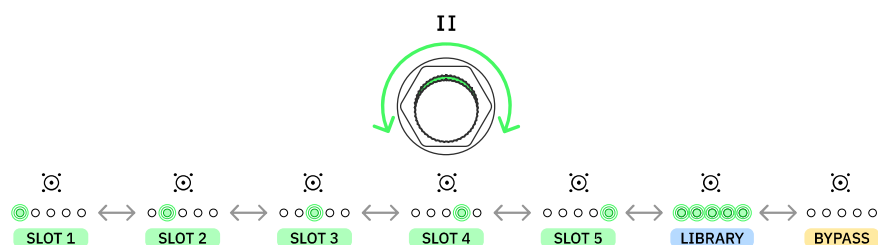
Press **Footswitch II** to toggle between Presets **IIA** and **IIB**. Different Presets can be assigned on the Cortex Cloud app.



Press **FX** to cycle through effect slots. Press-and-hold **FX** to bypass/enable the currently selected effect.



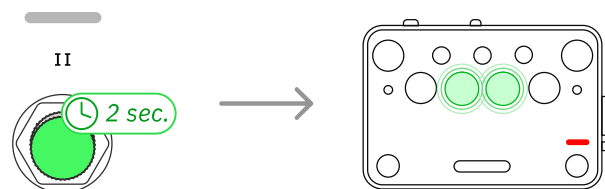
Turn the **AMOUNT** knob clockwise or counterclockwise to change how much of the selected effect is applied.



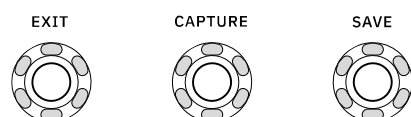
Turn **Footswitch II** clockwise or counterclockwise to navigate IR slots.

All the LEDs will turn on when using an IR from the library that is not currently assigned to any slot.

Navigate to the last position, where the LEDs are not lit, to bypass the IR Loader.



Press-and-hold **Footswitch II** for 2 seconds to access the Tuner. Press **Footswitch II** to exit the Tuner.



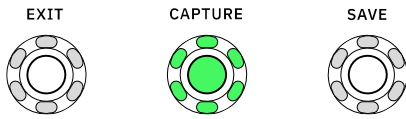
**EXIT**, **CAPTURE**, and **SAVE** buttons are reserved for the Neural Capture process, Preset saving, and Bluetooth pairing.

## Neural Capture quick start guide

Neural Capture is a powerful tool that can learn and replicate the sonic characteristics of any amplifier, cabinet, or overdrive pedal with unprecedented accuracy and realism.

To create a Neural Capture, connect Nano Cortex to an overdrive pedal, a mic'd up cabinet, or an amplifier via a reactive load box.

## Connection diagram



Press **CAPTURE** to access Capture Mode. In this mode, the CAPTURE LED ring will stay on.

## 1. Reference instrument

Connect your instrument to **INPUT**.

## 2. Monitoring devices

Connect your headphones to **HP OUTPUT** or your Monitor Speaker to **OUTPUT 1L**.

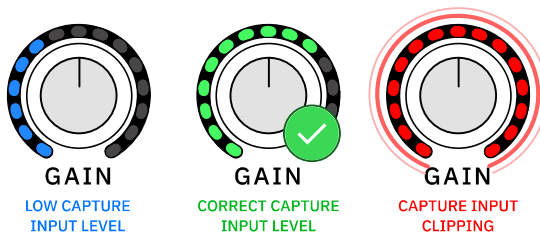
## 3. Target device

Connect the Nano Cortex's **OUTPUT 2R** (CAPTURE OUT) to the target device's input.

## 4. Return to Nano Cortex

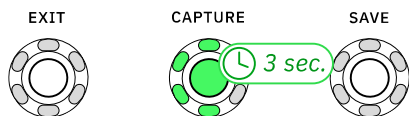
Connect the target device's output to the Nano Cortex's **CAPTURE INPUT**.

## 5. Capture input gain

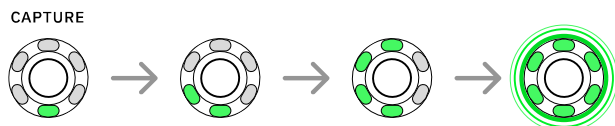


Set the CAPTURE INPUT level by adjusting the GAIN knob.

## 6. Capture



Press-and-hold **CAPTURE** for 3 seconds to begin the Capture process.

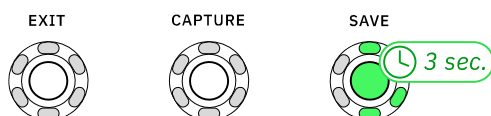


The CAPTURE LED ring will light up progressively as soon as the process begins.

## 7. Test and save



Press **Footswitch I** to toggle between the **Neural Capture** and the **Target Device**.



Press **SAVE** to store the recently created Capture. Choose a BANK, a Capture Slot, and press-and-hold **SAVE** for 3 seconds to store your Neural Capture.

## Cortex Cloud app pairing

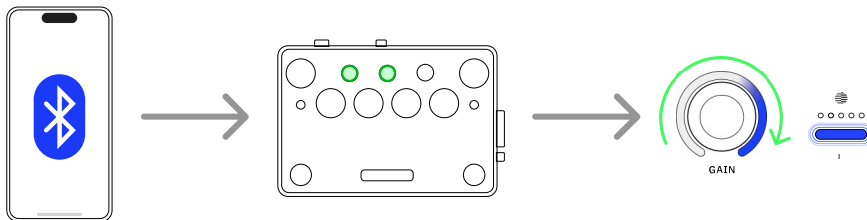


Deeper Preset customization and additional features are available via the **Cortex Cloud app**.

## Bluetooth pairing



Open the Cortex Cloud app on your smartphone, access the **Devices** menu, and tap **Add New**. Your smartphone will start searching for nearby Nano Cortex units.



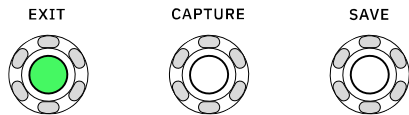
Press-and-hold **EXIT** and **CAPTURE** for 1 second to put your Nano Cortex into Pairing Mode.

The GAIN LED ring will illuminate clockwise and the Footswitch I's LED will blink slowly, indicating that Nano Cortex is in pairing mode.



Once paired, the app will show the current Nano Cortex configuration.

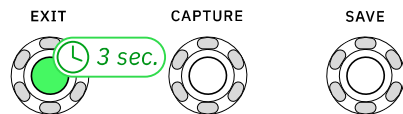




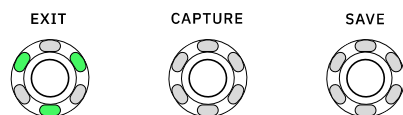
During Pairing Mode, press **EXIT** to return to Performance Mode.

## Parameter lock

It's possible to temporarily disable the rotary functionality of knobs and footswitches to avoid unwanted parameter switching when performing.



Press-and-hold **EXIT** for 3 seconds to toggle the Parameter Lock.

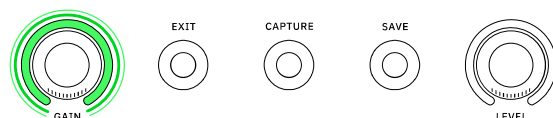


The **EXIT** LED ring will indicate when the Parameter Lock is enabled.

## I/O clipping alert

The **GAIN** and **LEVEL** knobs will indicate whenever inputs or outputs are clipping.

## Performance mode



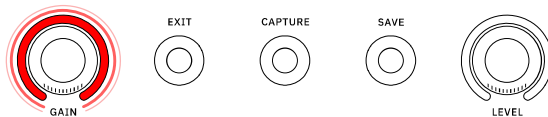
The **GAIN** Knob will blink 3 times whenever **INPUT** detects

signal clipping.

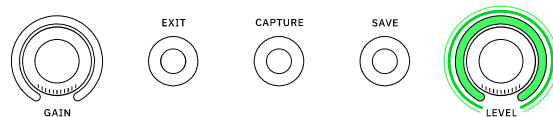


The **LEVEL** Knob will blink 3 times whenever **OUTPUTS 1L/2R** detect signal clipping.

## Capture mode



The **GAIN** Knob will turn red whenever **CAPTURE INPUT** detects signal clipping.



The **LEVEL** Knob will blink 3 times whenever **OUTPUTS 1L/2R** detect signal clipping.

# Guides for getting started with Nano Cortex

- **Nano Cortex quick start guide**
- [Connecting your gear to Nano Cortex](#)
- [Bluetooth pairing guide for Nano Cortex](#)
- [Using the Cortex Cloud app with Nano Cortex](#)
- [How to create a Neural Capture on Nano Cortex](#)
- [Creating and managing presets on Nano Cortex](#)

- [Using Nano Cortex as an audio interface](#)
- [Reamping on Nano Cortex](#)
- [Updating your Nano Cortex](#)
- [Using MIDI on Nano Cortex](#)
- [Nano Cortex DAW templates](#)