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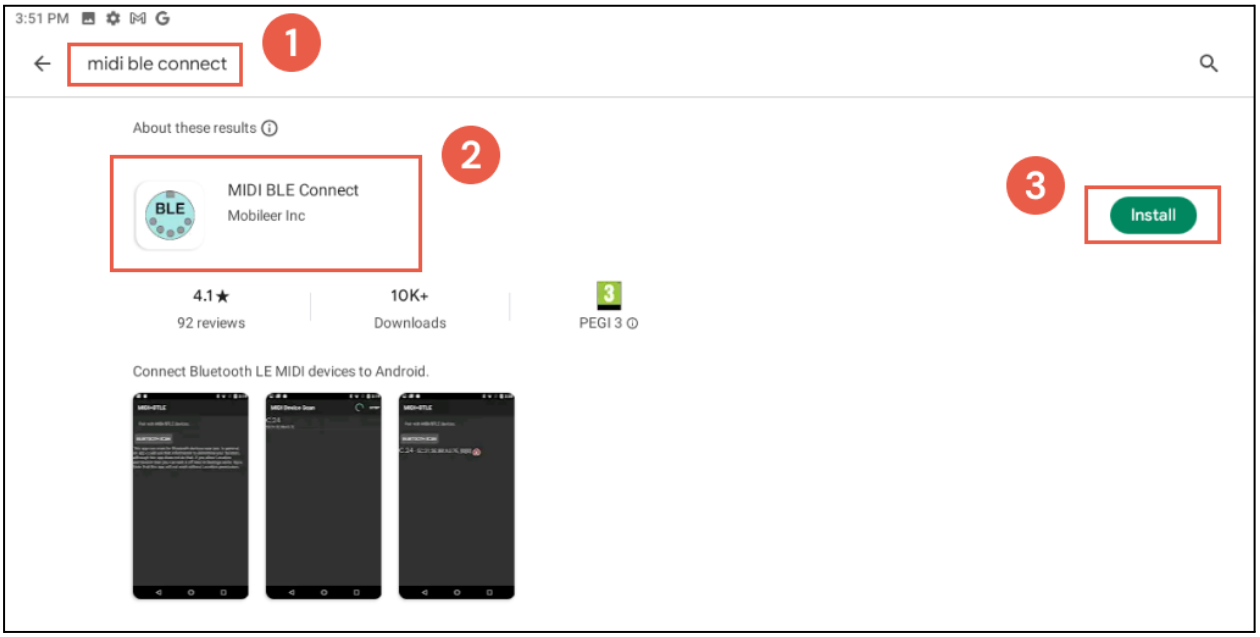
Introduction

Many music apps do not yet natively support MIDI over Bluetooth LE on android devices.
We will cover a simple method to help any MIDI-enabled app receive MIDI over Bluetooth LE using a third-party MIDI BLE tunneling app.

Pairing MIDI-enabled apps that do not support native MIDI over Bluetooth LE.

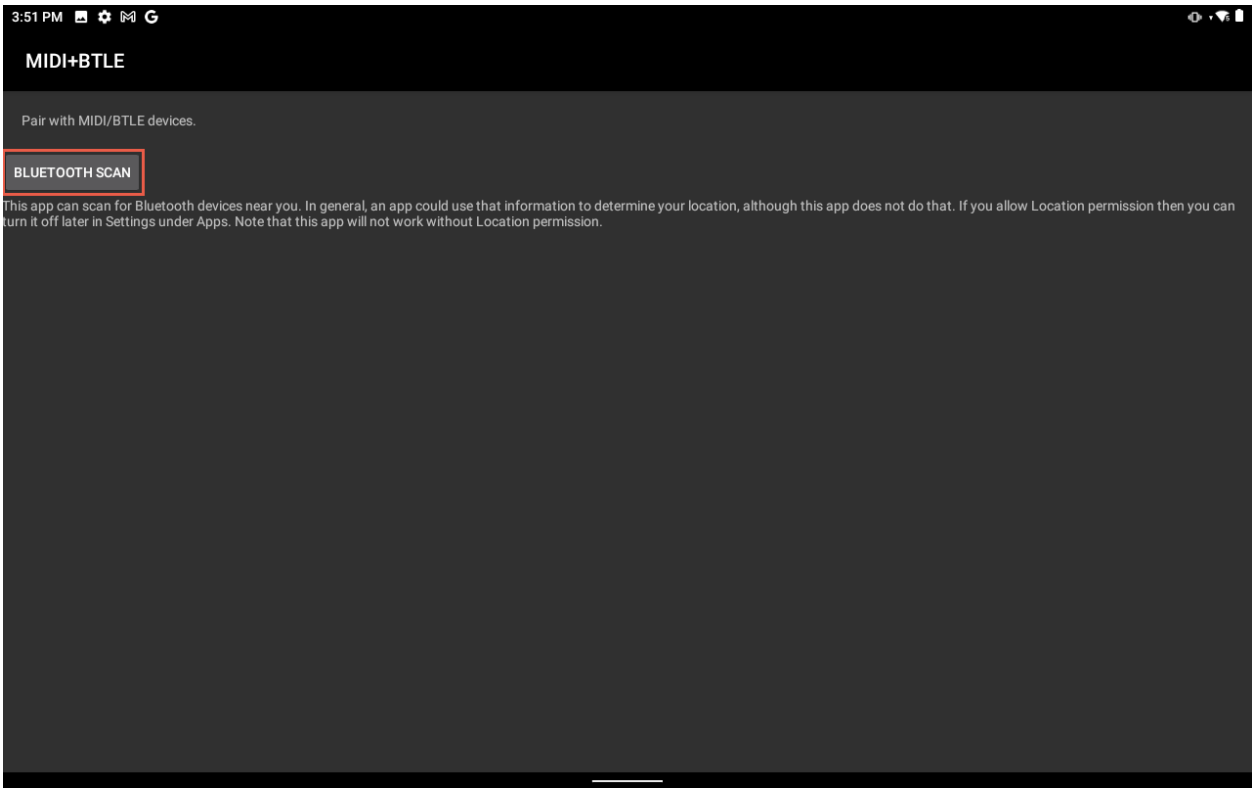
1. Install the **MIDI BLE Connect** app via the Google Play store on your android host device:

   (1) Search for "**MIDI BLE connect**" in the Google Play store.
   (2) Verify it's by *Mobileer Inc*.
   (3) Tap/Click the **Install** button.

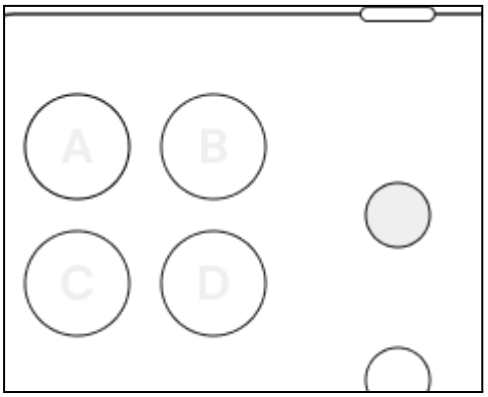


2. Launch **MIDI BLE Connect.**

   Click the **BLUETOOTH SCAN** button.



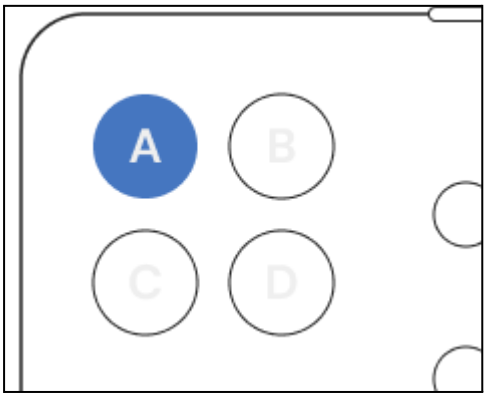
3. Press and hold the **Shifter 1** button on your OffGrid for up to two seconds to wake it up from a DEEP SLEEP or IDLE state.



OffGrid detail: **Shifter 1** button (marked gray here).

   OffGrid will confirm wake-up through a LED animation playing over the **Performance Matrix** Pads.

4. Immediately after finishing the wake-up routine, OffGrid enters the WAIT-TO-PAIR state signified by **Pad A** blinking blue.

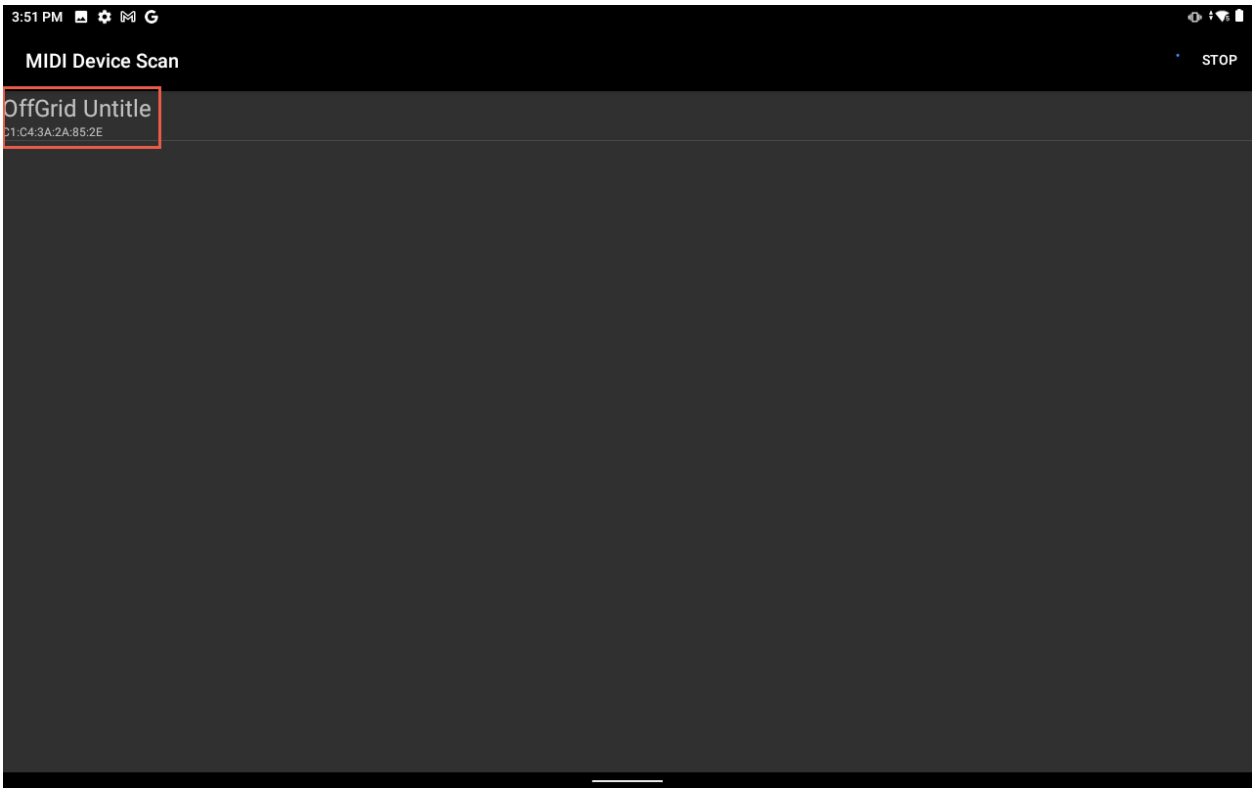


OffGrid detail: **Pad A** blinking blue.

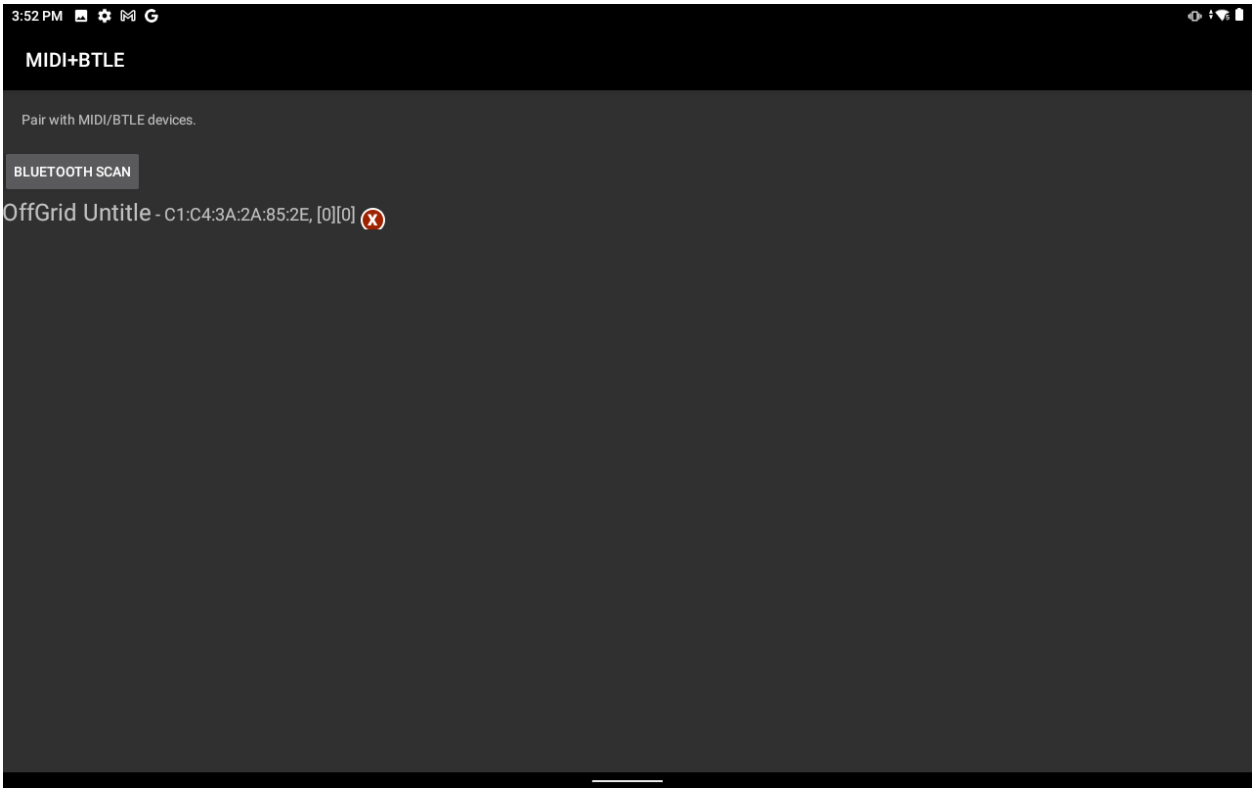
OffGrid will now be discoverable as a *Bluetooth LE* MIDI device in the WAIT-TO-PAIR state.

5. At this point, **MIDI BLE Connect** should have discovered your OffGrid device, including its unique MAC Address. A default, not customized OffGrid will be discoverable as *"OffGrid Untitle"*.

   Tap the device's name to pair it.



6. After a short connection, your OffGrid will pair with your android host device.



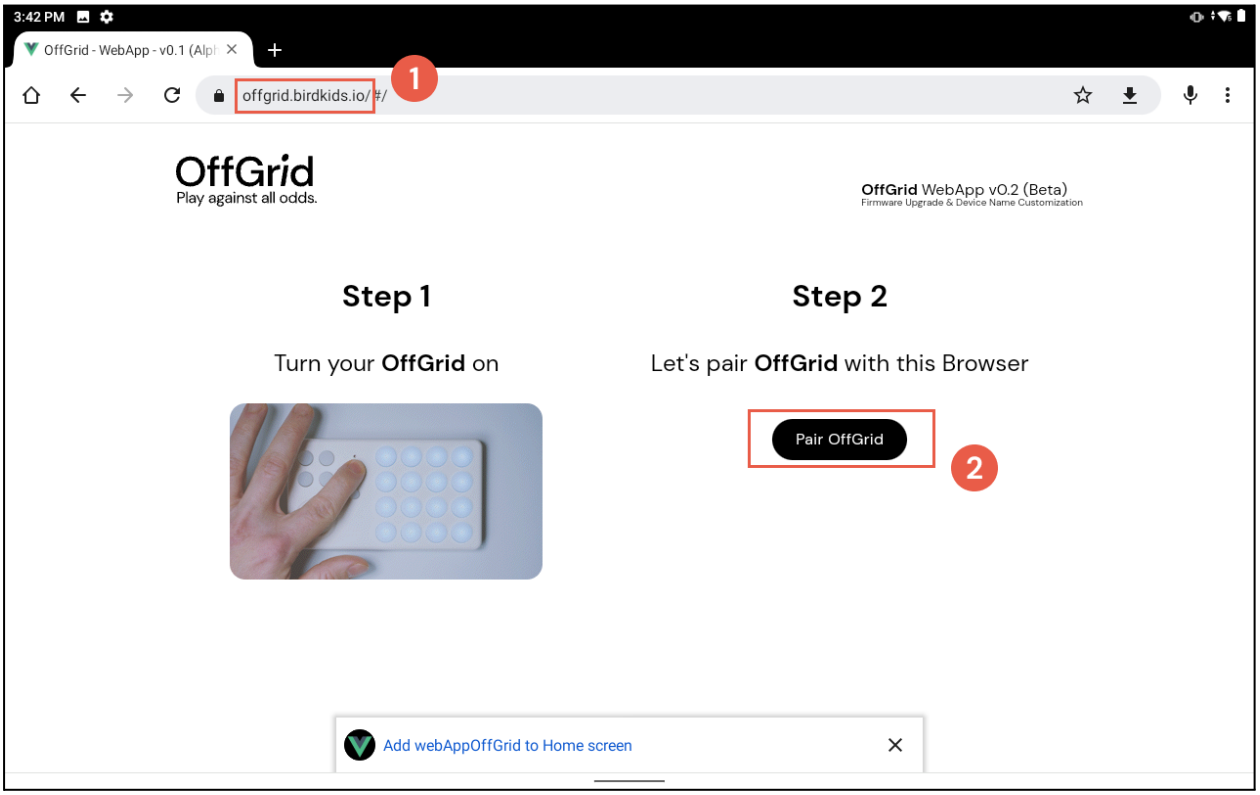
7. You can now navigate to your MIDI-enabled music app of choice.
   Make sure MIDI BLE Connect stays active in the background to ensure MIDI is tunneled over Bluetooth LE.

Checking Firmware status on android host devices via Bluetooth LE.

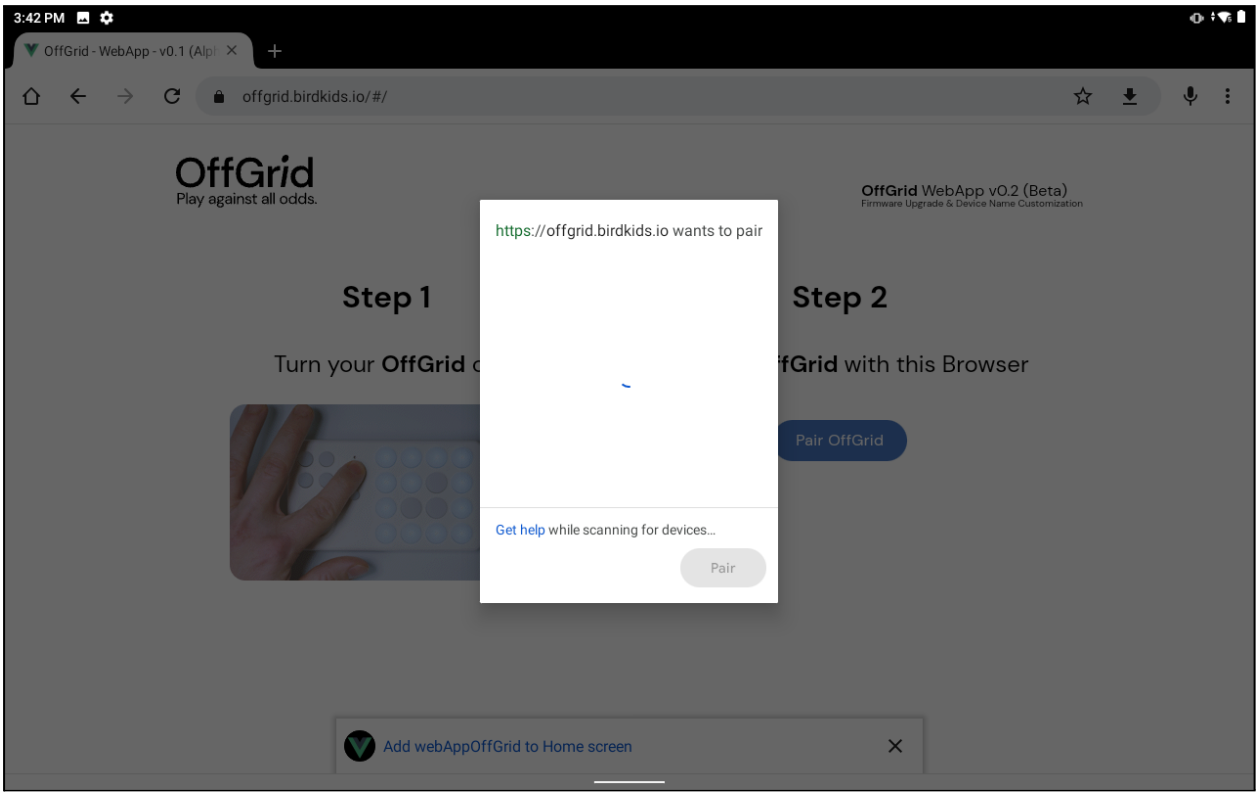
1. Open **Chrome** on your android device.
   If Chrome is not installed, install it via the Google Play store.

2. In a new **Chrome** Tab:

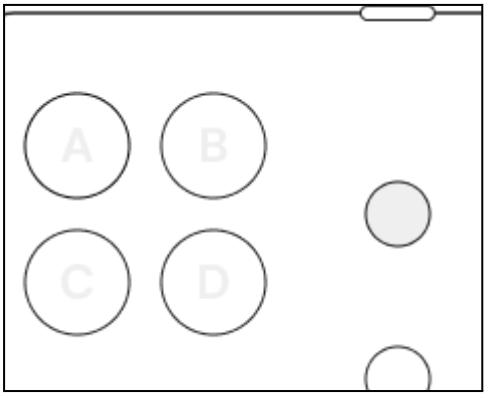
   (1) Navigate to https://offgrid.birdkids.io.
   (2) Tap/Click the **Pair OffGrid** button.



3. A Bluetooth device scan overlay will appear scanning for nearby Bluetooth devices.



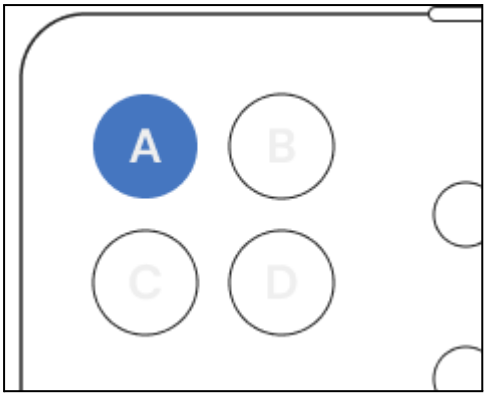
4. Press and hold the **Shifter 1** button on your OffGrid for up to two seconds to wake it up from a DEEP SLEEP or IDLE state.



OffGrid detail: **Shifter 1** button (marked gray here).

OffGrid will confirm wake-up through a LED animation playing over the **Performance Matrix** Pads.

5. Immediately after finishing the wake-up routine, OffGrid enters the WAIT-TO-PAIR state signified by **Pad A** blinking blue.

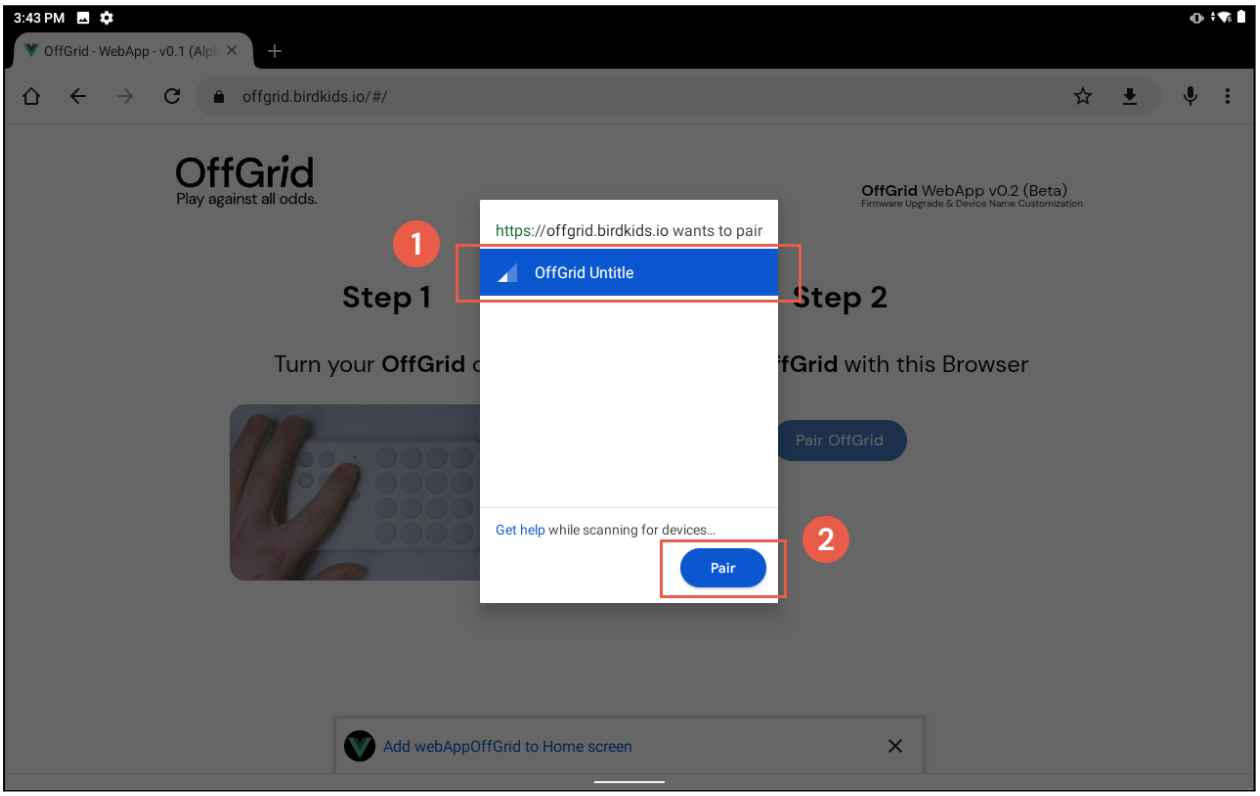


OffGrid detail: **Pad A** blinking blue.

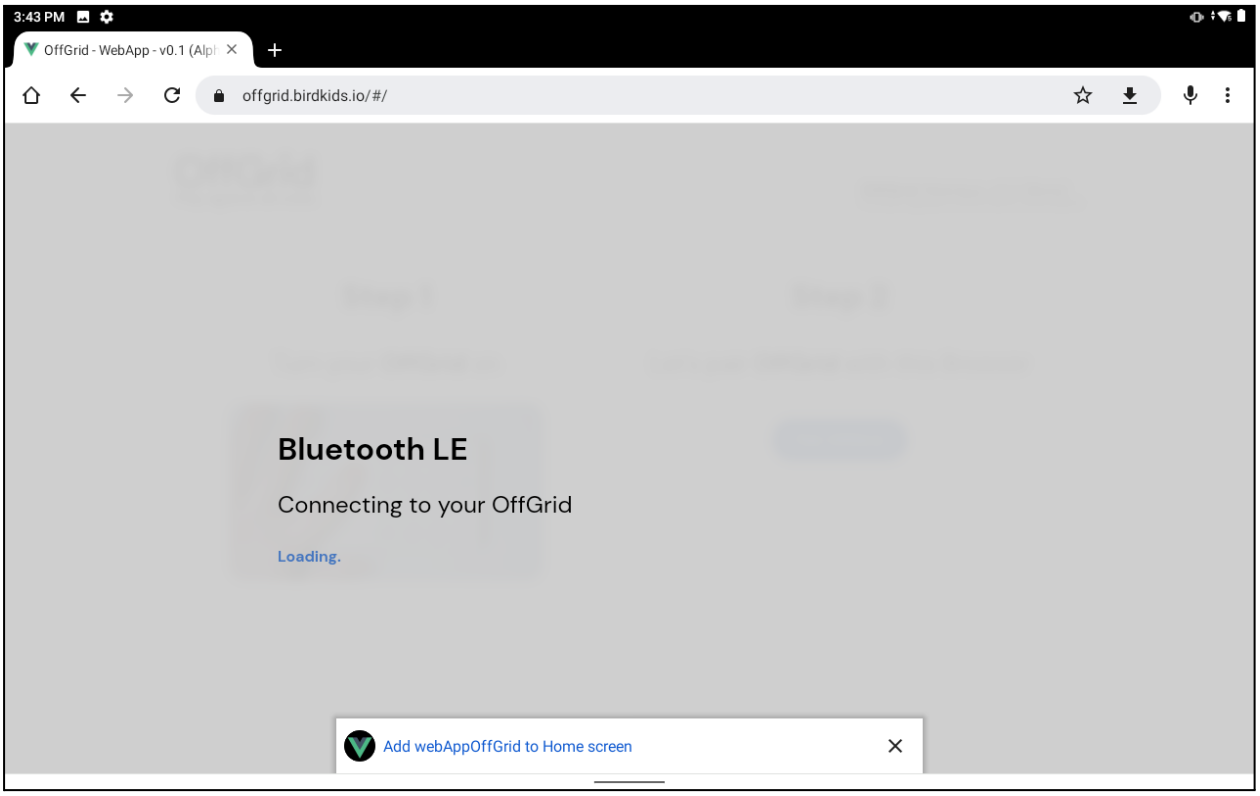
OffGrid will now be discoverable as a *Bluetooth LE* MIDI device in the WAIT-TO-PAIR state.

6. At this point, **Chrome** should have discovered your OffGrid device in the Bluetooth device scan overlay. A default, not customized OffGrid will be discoverable as *"OffGrid Untitle"*.

(1) Select the device in the list.
(2) Tap/Click the **Pair** button.



7. The OffGrid WebApp will now connect to your OffGrid device.



8. After successfully pairing, your OffGrid's current Firmware Revision will be detected automatically.
An **Upgrade Firmware** button will be served *if* a newer Firmware Revision is available.
You can also rename your OffGrid by tapping/clicking the **Rename Device** button and following the prompt.