

1 Connect and Detect: Plug in the keyboard via USB. Open a terminal and run `lsusb` to verify Ubuntu detects it.

2 Install Necessary Software: Install standard Linux audio tools for MIDI routing and sound generation:

bash



```
sudo apt updatesudo apt install qjackctl qsynth fluidsynth
```

3 Configure Audio & MIDI:

- Open **QJackCtl**. Click "Setup," and on the "Settings" tab, ensure the driver is set to ALSA.
- Open **Qsynth** (a FluidSynth GUI). Go to Setup, set the MIDI Driver to `alsa_seq` and Audio Driver to `jack`.
- Load a SoundFont in Qsynth (usually in `/usr/share/sounds/sf2/`) to produce sound.

4 Connect in QJackCtl:

- In QJackCtl, click the "Connect" button.
- Under the "ALSA" tab, you should see your E-Keys device on the left and Qsynth on the right.
- Select both and click "Connect" to create a patch cable between them.

Troubleshooting

- **No Sound:** Check if the system audio is muted in the mixer. Ensure `fluidsynth` is running and has a soundfont loaded.
- **Latency:** If experiencing delay, use a low-latency kernel (`linux-lowlatency`) or adjust JACK settings to smaller frames/period (e.g., 256 or 512).
- **Alternative Software:** For a more comprehensive studio setup, use Ardour^[1] or LMMS^[2] for recording and sequencing.

^[1] <https://ardour.org/>

^[2] <https://lmms.io>