**T-Stick Performance Setup for Granulation**

**Requirements**

**Hardware**

* T-Stick Sopranino, 5th Generation
* Laptop
* Router (optional but recommended for a dedicated network)

**Software**

* Supercollider 3.13.0 or higher: <https://supercollider.github.io/>
* [SC3 plugins](https://supercollider.github.io/sc3-plugins/) (ensure installation before starting)

**Files**

* *TStick-Granulator-Gen5.scd*: Main SuperCollider patch.
* **Audio files**: Ensure the file *CymbalDrumsBass.wav* is in a folder named ***audio***. If not, modify the value of the global variable *~audio* in the patch to the correct path.

**Preparatory steps**

* Follow the [connection guide](https://idmil.github.io/tstick-docs/designs/tstick-5gw/connection-guide/) to update T-Stick to connect to the same WiFi network as your laptop
  + Either create a Wireless access point (hotspot) or use a dedicated router (it is not recommended to rely on a public WiFi network)
* The patch requires a basic knowledge of Supercollider. In file TStick-Granulator-Gen5.scd:
  + Select output device. If you’re using an external soundcard select the corresponding ASIO driver (On Windows, WASAPI is recommended)
  + If the chosen device is not found, SC will boot using system’s default device
  + The list of drivers / device available can be found by running the following line of code:



* Assign the name of T-Stick to global variable *~tStick* and value of the port to which the T-Stick will send data to global variable *~recvPort*

Une image contenant texte, Police, capture d’écran

Description générée automatiquement

**Performance Setup**

1. **Initialize Hardware**

* If using a router, power it on and allow time for initialization.
* Connect your soundcard to the laptop (if applicable).

1. **Prepare Laptop**

* Set the laptop’s power and sleep settings to "Never" to avoid losing WiFi connection.
* Connect the laptop to the local network (hotspot or router).

1. **Power On T-Stick**

* Turn on the T-Stick and ensure it connects to the network.

1. **Start SuperCollider**

* Launch SuperCollider, open *TStick-Granulator-Gen5.scd* and choose the appropriate audio driver, port and T-Stick name.
* Evaluate main code.

1. **Tune FSR (Force-Sensitive Resistors) and Shake Inputs**

* Calibrate the sensitivity settings in the patch based on your performance needs.
* Start and navigate calibration by single-clicking button.