

Nucleus²

Quickstart Guide



Thank you for purchasing Nucleus²

Welcome to the Solid State Logic family.

Nucleus² is a complete solution for the professional project studio, with a perfect blend of advanced DAW control, console-grade SuperAnalogue™ circuitry unique to Solid State Logic, and a professional grade Dante audio interface.

Nucleus² will offer you unparalleled analogue performance, ensuring you precisely capture every subtle nuance and detail of sound, as well as a luxury control surface crafted from the same building blocks as our large format analogue consoles.



Follow these steps to get started quickly.

This guide is intended for quick setup of Nucleus² to record and playback audio. For DAW control setup, connecting to a wider network structure, and details of Nucleus² operation, please refer to the Nucleus² User Guide and DAW setup guides on the SSL website: www.solidstatellogic.com/studio/nucleus/documents

1 - Software Download and Install

- Go to www.solidstatellogic.com and register for an SSL account. On the **My Products** page, register your Nucleus² and click on the **Downloads** link.
- Download either the **Mac Support Package** or the **Windows Support package**.
- Run the installers found in the support package, and follow the instructions for installation.

You should now have the Nucleus² Remote application, Dante Controller, Dante Virtual Soundcard, and the iPMiDI application installed on your computer.

2 - Dante Virtual Soundcard License

Dante is the audio over IP protocol used in Nucleus², developed by Audinate. To redeem your DVS license:

- Go to www.audinate.com and register for an account. On the **My Products** page, enter the token code (included in the Nucleus² packaging) in the **Token** box, and click submit. A Dante Virtual Soundcard license will appear on this page under **My Dante Virtual Soundcard Licenses**.
- Open the Dante Virtual Soundcard application and enter this license in the box found under the **Licensing** tab.
- Click **Activate** to activate your license on the computer.

Connect the 4-pin external power supply to the power socket on the rear panel, ensuring the flat edge of the connector is facing downwards. Connect the IEC cable from a power outlet to the external power supply.



Connect microphones and instruments to the preamp inputs.

3 - Network Settings

Before passing audio and connecting DAW control, you need to setup your network connection to Nucleus².

On Mac, go to *System Preferences*, and click on *Network*.

On PC, go to *Settings* and click on *Network & Internet*.



Network



Network & Internet

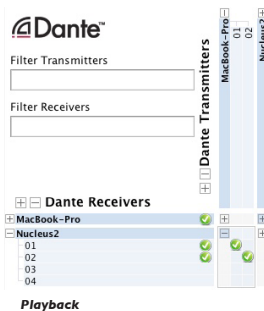
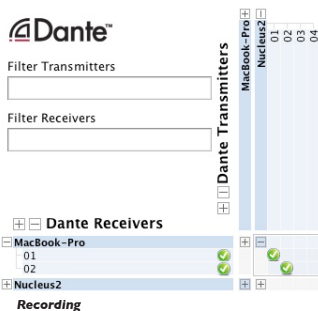
- Turn off Wi-Fi - DAW control and Dante audio on Nucleus2 need wi-fi and airport traffic turned off in order to work correctly.
- Select the Ethernet port / Thunderbolt Ethernet you have connected to Nucleus2, and set the Configure IPv4 to: *Using DHCP*.
- Turn off Wi-Fi - DAW control and Dante audio on Nucleus2 need wi-fi and airport traffic turned off in order to work correctly.
- On PC, click on *Change adapter options*, *Ethernet*, *Properties*, and then *Internet Protocol Version 4 (TCP/IPv4)*. You should make sure that *Obtain an IP address automatically* is enabled.

4 - Recording and Playback

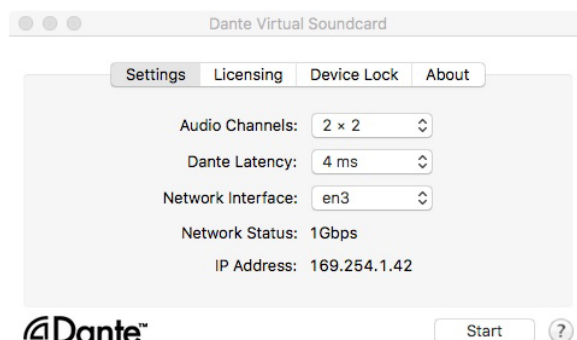
Open Dante Virtual Soundcard, set the Audio Channels to 2 x 2, and click Start. Now open your DAW. Set Dante Virtual Soundcard as the playback / ASIO device.

Recording

- Connect a microphone to *PRE / IN*. Set the input level by turning up the channel 1 mic preamp pot.
- Open Dante Controller. Click on the + between the Nucleus2 Transmitter and computer Receiver, then connect the Nucleus2 01 & 02 mic preamp outputs to the computer 01 & 02 inputs by clicking on the cross-points (as shown below).



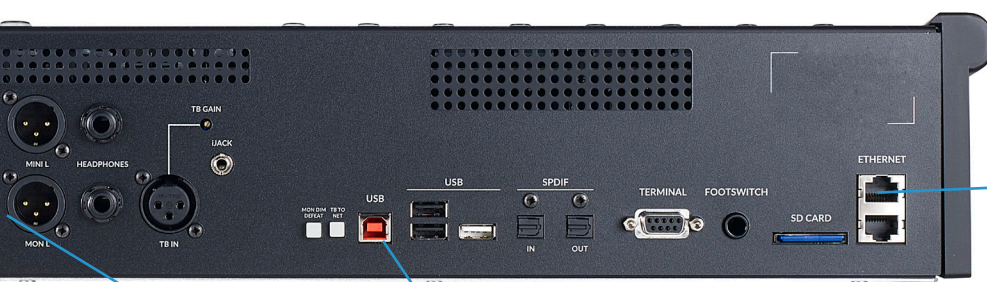
- In your DAW, create a new track, set the input to input 1, and record the audio signal from the microphone.



Start

Playback

- Open Dante Controller. Click on the + between the computer Transmitter and Nucleus2 Receiver, then connect the computer 01 & 02 outputs to the Nucleus2 01 & 02 monitor source inputs by clicking on the cross-points (as shown left).
- In your DAW, set the output of the audio tracks to outputs 1&2, turn up the central black monitor pot and hear playback through the Nucleus2 monitor & headphone outputs.

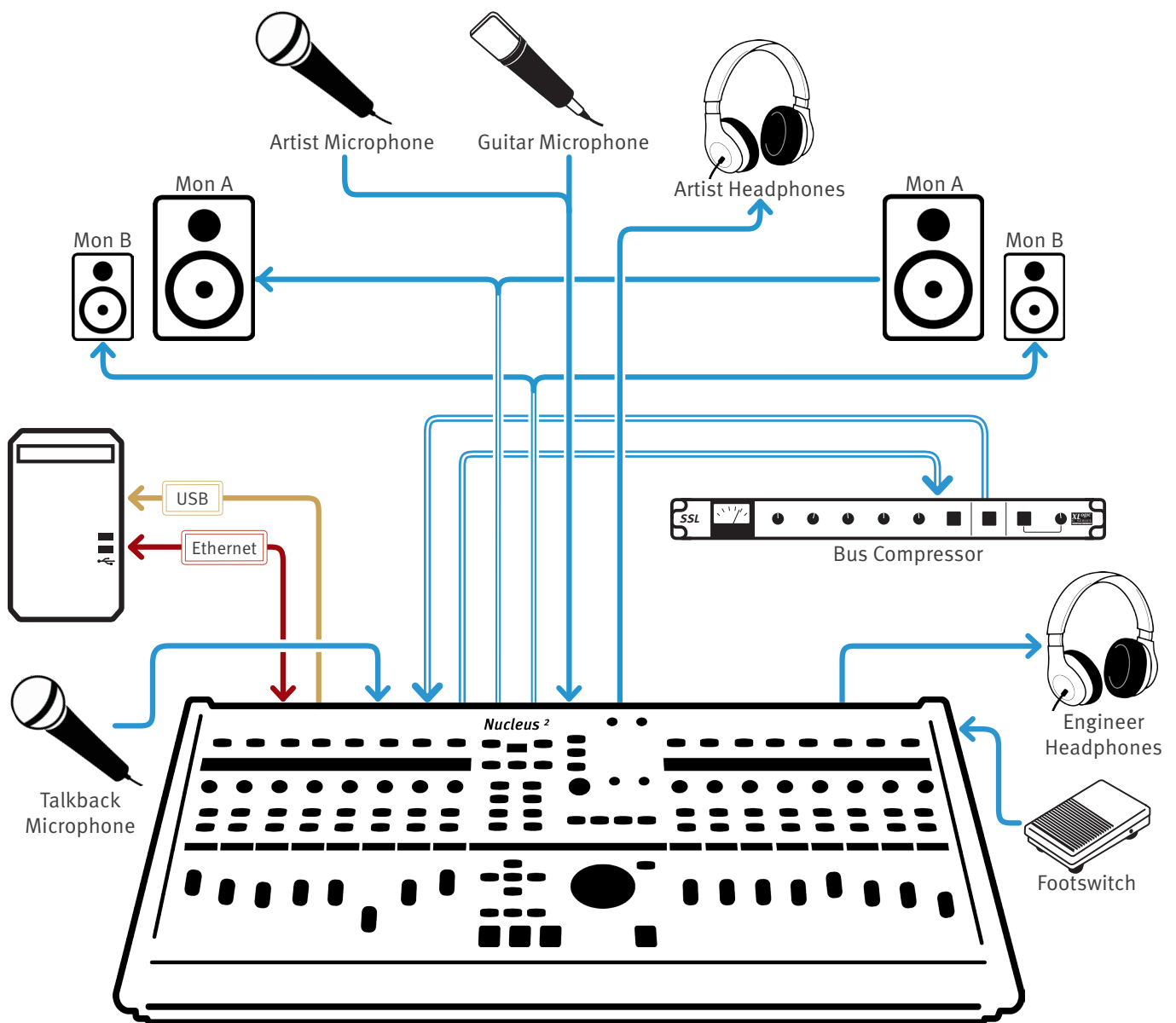


Connect speakers to monitor outputs and mini monitor outputs

Connect the USB port to your computer for programmed keyboard shortcuts and USB hub.

Connect one Ethernet port to your computer for DAW control and Dante audio interface.

Connection Diagram



Troubleshooting and FAQ's

Frequently Asked Questions can be found on the Solid State Logic Website at: <http://www.solidstatellogic.com/support/>

Can't find what you need?

Ask a Question

If you require technical support for your Nucleus² or other SSL Studio Products, click on the Ask a Question link on the support page to open a support ticket, and an SSL Product Support engineer will be in contact.