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.solidstatelogic.com/studio/nucleus/documents

1 - Software Download and Install

- Go to www.solidstatelogic.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.

- 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 1 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.

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.
Troubleshooting and FAQ’s


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.