



## NINA v1.2.0

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### Fixes & Improvements:

#### New Features

- New Feature: Added new GLIDE TYPE option “Legato Linear”. If notes are played legato, then glide (portamento) is done, but notes not played legato do not glide.
- New Feature: LFO1 can modulate LFO2 and vice-versa.
- New Feature: Indent added to 0 position of Fine Tune knobs.
- New Feature: in LAYER mode, quickly jump between Layers using the 1,2,3,4 Keys.
- New Feature: KBD MIDI modes: KBD has option to assign it to a specific MIDI channel, or to follow the current (active) layer or follow the channel assigned on Layer 1.
- New Feature: All-notes off function. Hold the KBD Key down for more than 1 second to silence all voices, and stop the arpeggiator and sequencer.

#### Fixes

- Fixed issue: changing layers causes a click sound
- Fixed issue : arpeggiator can play at the wrong speed when enabled while holding notes, in certain situations.
- Fixed issue: LFO 1/2 Select buttons now work while in LOAD/SAVE Preset and LAYER mode.
- Fixed issue: modulation TIME value scaling now goes to 100%.
- Fixed issue: Bank merge free space check now checks correctly that only space for new patches is needed.
- Fixed issue: improved noise floor in Delay and Reverb.
- Fixed issue: SAVE no longer stores the Morph to A or B before saving.
- Fixed issue: SET mod matrix source to PAN destination polarity was inverted.
- Fixed issue: Some front panel switch LEDs not updating correctly with MIDI program change messages in some circumstances.
- Fixed issue: LFO1/2 switching could lock up interaction in certain circumstances.
- Fixed issue: Chorus effect level too low.
- Fixed issue: ARP LED sometimes incorrect when swapping multi-timbral Layer.



## Firmware Release Notes

### Instructions for Firmware Upgrade:

A Firmware Upgrade will not cause you to lose any Presets. However, it is highly recommended that you do a full backup before upgrading.

### NINA Backup procedure:

1. With NINA running normally, insert a USB Flash drive into either USB-A port.
  - The drive must be formatted FAT32.
2. Go to the SYSTEM Menu, choose BACKUP.
3. NINA will display "Running backup script", and then "Backup Script Completed. Eject USB Drive".
  - If NINA displays "Backup Script Failed" then there was a problem such as a full drive, not FAT32 format or some other issue. Try again with a different USB flash drive.
4. Press OK to eject the USB flash drive, and remove from NINA.
5. Copy the files "patches\_backup\_NNNN.zip" and "calibration\_SSSSSS.zip" from the USB Flash drive onto a safe place using a computer. *Note NNNN is a sequence of numbers, and SSSS is the serial number of your NINA.*

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### Firmware Upgrade procedure:

1. Download the file "nina-firmware-1.1.0.swu"
2. Copy the file onto a USB Flash Drive.
  - The drive must be formatted FAT32.
3. Power off NINA.
4. Insert the USB Flash Drive into either of the USB-A ports on the back panel of NINA.
5. Power on NINA.
6. NINA will boot, and shortly after the startup Knob calibration, will display "Updating Software to v1.1.0. Please wait" and a show spinning hourglass icon.
  - This will take a few minutes NINA will display "Update to V1.1.0 Done. Reboot NINA?".
  - Press REBOOT.
7. NINA will reboot. (Note that NINA will delete the firmware file from the drive)
8. Shortly after reboot, NINA will display "Running Calibration. Please wait (long process)".
  - Note: This will take around 8 minutes. Please do not turn off NINA until it is finished.
  - This calibration only needs to run once. If you power off before it is finished it will start again the next time you power on.
9. NINA will display "Calibration Complete. Reboot NINA?".
  - Press REBOOT again.
10. NINA is now ready to use.