



## NINA v1.4

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### New Features: Modulate Morph and Scope/Waveform display

#### Modulate Morph

- MORPH has been added as a destination in the modulation matrix.
- To choose morph as a modulation destination enter the MOD menu and turn the MORPH knob. The DATA knob can then be used to select either EG2 LEVEL or MORPH as the destination.

#### Scope and waveform display

- The scope modes are selected via a soft key on the main menu
  - SCOPE OSC turns on the oscilloscope
  - SCOPE XY turns on XY or goniometer mode
  - SCOPE OFF disables the scope

#### Other new features

- Added an OCTAVE OFFSET option to the LAYER menu. This will offset notes on the chosen Layer by a selectable number of octaves.
- Envelope LEVEL setting is now available in the EG1 and EG2 VCA menus.
- The morph value is now saved and recalled in patches.

Please see the updated NINA User Manual and addendum regarding these new features.

### Bugs Fixed:

- MIDI note timing variance has been improved when automating via MIDI CC.
- Fixed LFO sync rate selection.
- LFO 2 slew was incorrectly scaled and did not match LFO 1.
- LFO rate incorrectly sped up when applying negative modulation.
- Wavetable import file error handling has been improved.
- Improved the oscillator tuning stability with complex modulation.
- Fixed note stealing algorithm with sustain pedal.
- Fixed slowdown issue which sometimes occurred when Nina was left running for a long time..
- Fixed a bug with the Reverb stereo panning.