

RELAYER FOR ALL

RelayerForAll allows the Lumatone and Exquis keyboards to play two-dimensional microtonal tunings with isomorphic layouts and customisable key colours. RelayerForAll also allows standard piano-style keyboards to play two-dimensional microtonal tunings with non-isomorphic layouts. Custom tunings (e.g., higher-dimensional or irregular tunings) and layouts can also be specified in tables.

RelayerForAll's core features:

- For 2-D tunings, the sizes of the period (e.g., octave) and generator (e.g., perfect fifth) can be specified and smoothly morphed between
- Irregular custom microtonal tunings can be specified in a table listing the microtonal pitches for all keys of your instrument
- Tunings are transmitted via MIDI MPE, which is supported by all major DAWs and a large number of soft synths
- For Lumatone and Exquis: several different isomorphic mappings of the period and generator to the keyboard with associated (and customisable) key colours
- For piano-style instruments: several different non-isomorphic mappings of 2-D tunings to the keyboard
- All settings can be saved in presets, and many useful presets provided
- Individual key velocity calibration for the Lumatone.

New in version 1.0.0:

- Support for the latest Exquis firmware (2.1.0)
- Support for piano-style controllers
- Support for custom tunings.

Demo videos are available at:

- <https://youtu.be/VIKCl0QiI3E>
- <https://youtu.be/XG7sQEsRVTw>

INSTALLATION

On a Mac, the app should be placed in the macOS Applications folder. If outside of this folder, presets may not work correctly.

On Windows, the RelayerForAll folder can be placed anywhere, but the RelayerForAll.exe file must be left inside that folder.

RELAYER FOR LUMATONE

Before using Relayer for Lumatone, load the Lumatone's first factory-default preset or load one of the .ltn files (using the Lumatone Editor) in the Supplementary folder. This ensures the MIDI pitch numbers and channels assigned to the Lumatone's keys correspond to those expected by the app.

Individual Lumatone KEY CALIBRATION (the velocity curve of each key can be adjusted using RelayerForAll):

1. Load the Lumatone's first factory-default preset or load one of the .ltn files (using the Lumatone Editor) in the Supplementary folder.
2. *Open Lumatone.txt in a text editor.
3. Press any Lumatone key and note down its incoming MIDI pitch and channel (these are displayed in the interface of Relayer).
4. Find that pair of MIDI pitch and channel numbers in the first column of Lumatone.txt (e.g., using Cmd-F or Ctrl-F).

5. Change the final number in that row. This value is the exponent applied to the incoming velocity scaled from 0 to 1.

- a value of 1 makes no change to the key's incoming velocity
- values > 1 are useful for Lumatone keys that play too loud
- values < 1 are useful for keys that play too quietly.
- Values between 0.5 and 2 typically work well.

6. Save the revised Lumatone.txt file.

7. Click on the Lumatone button at the top of Relayer to load the adjusted Lumatone.txt file.

8. Test, revise, and repeat with other keys as necessary.

*In macOS, to access the Lumatone.txt file, right-click on the app, select Show Package Contents and use Lumatone.txt in /Contents/Resources. In Windows, the Lumatone.txt file is in the subfolder called "resources".