

# LA.tools

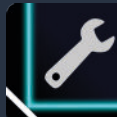
## SOFTWARE SUITE

LaserAnimation  
**SOLLINGER**

# LA.tools

### LA.toolbox

The established LA.toolbox software has been updated with the launch of LA.tools. LA.toolbox is an intuitive monitoring and management program allowing remote control and adjustment of settings of all LaserAnimation Sollinger PHAENON laser projectors as well as RTI PIKO and RTI NANO units (from 2023). AVB interfaces can also be controlled via this software. LA.toolbox communicates via Ethernet / LAN network with the respective laser system and/or accessories such as AVB interfaces or our LaserAnimation Laser Disable Button. This allows for easy control and monitoring of small as well as larger installations.



### LA.recorder

LA.recorder is a software to record incoming AVB streams and save these streams in the uncompressed audio file format AIFF (Audio Interchange File Format). Recording of external ILDA signals are also possible (requires ILDA2AVB interface). These files can be uploaded via the File Manager of LA.toolbox to all LaserAnimation Sollinger PHAENON projectors as well as RTI PIKOs and RTI NANOs (from 2023) and to all AVB2ILDA interfaces. The files can also be played back via LA.player software.



### LA.player

With the LA.player software it is possible to playback existing AIFF files resp. shows and output them as AVB streams. These playback files (.aiff files) can be generated with our LA.recorder or by other software exports (for example Touchdesigner). Each stream can be redirected via LA.toolbox or via third party software (e.g. Hive) to all LaserAnimation Sollinger PHAENON projectors as well as RTI PIKOs and RTI NANOs (from 2023) and to all AVB2ILDA interfaces.



LA.tools is a software suite developed by LaserAnimation Sollinger that provides additional laser control options.

It is a set of six tools, each one for different facets of work process. In addition to the well-established and updated LA.toolbox, the software programs LA.recorder, LA.player, LA.preview, LA.timecode, and LA.dsp2aiff are parts of LA.tools.

### LA.preview

LA.preview is a tool for laser visualization from LA.player, LA.recorder, and other software.



### LA.timecode

LA.timecode displays Net timecode data as well as timecodes which are sent by LA.recorder or LA.player. LaserAnimation Sollinger offers a special converter „LTC2NTC Timecode Converter“ which can convert an analog SMPTE timecode to a net-based timecode „NTC“.



### LA.dsp2aiff

LA.dsp2aiff is a useful program for converting Lasergraph DSP .PIC/.ANI and ILDA files to AIFF format.



### System requirements

All LA.tools utilities are available for PC or Mac:

- **Windows 10 or newer**
- Processor: 1 gigahertz (GHz) or faster processor or SoC – 64-bit
- RAM: 2 GB for 64-bit
- Hard disk space: 20 GB for 64-bit OS
- Graphics card: DirectX 9 or later with WDDM 1.0 driver
- **macOS 13 (Ventura) or newer**
- An AVB-capable ethernet interface (e.g. USB2AVB interface, for LA.player or LA.recorder)
- For Mac users, we recommend the Sonettech AVB adapter.



### ILDA2AVB

This device converts analog ILDA signals to the digital AVB protocol. It can be used with any laser show controller that has an ILDA output.

Sample rate: 48 / 96 / 192 kHz | x/y signal + 6 color channels | Resolution 24bit on all channels  
Power supply via PoE+ Class 3 (5W AVG)



### AVB2ILDA

This device converts digital AVB protocol data into analog ILDA signals. It can be used with any laser projector that supports the ILDA standard.

Sample rate: 48 / 96 / 192 kHz | x/y signal + 6 color channels | Resolution 24bit on all channels  
Power supply via PoE+ Class 3 (5W AVG)



### USB2AVB

This device enables the connection of a computer via USB to an AVB data network.

256 channels: 128 in / 128 out | 16 input & 16 output streams



## LA.TOOLS AND THEIR INTERACTIONS WITH AVB HARDWARE

