Yamaha mLAN Driver/mLAN Tools V1.2.0 for Mac OS X

Main Fixes and Enhancements

V1.1.4 to V1.2.0

- Now supports external clock capability so that an external mLAN device connected to the computer can be used as the wordclock master. Use the mLAN Auto Connector or mLAN Graphic Patchbay to set up the mLAN device as the wordclock master.

Version History

V1.1.2 to V1.1.4

- The software is now compatible with the n8, n12 and mLAN16E2 (with which the MOTIF XS8 is equipped).
- Fixed a problem in which the driver might freeze when establishing the mLAN connection on a Mac Pro 8 core machine.
- The software is now compatible with the expansion FireWire interface. When you establish the mLAN connection via the expansion FireWire interface installed to the computer, make sure to refer to the Limitations listed at the end of this file.
- Solved some minor problems.

V1.1.1 to V1.1.2

- Support for Mac OS X 10.5 Leopard has been added.
- Reduced CPU load.
- Solved some minor problems.

V1.0.6 to V1.1.1

- In addition to the conventional applications, the CoreAudio/MIDI driver for mLAN now will be installed via this installer in this new updated version.
- Improved the Driver's latency problem.
- Reduced CPU load.
- Deleted the File menu of mLAN Auto Connector. (Please use mLAN Graphic Patchbay when connecting two or more mLAN devices.)
- Solved some limitations in mLAN Graphic Patchbay.
- The amount of mLAN16E of transmission channels now can be changed.
- Solved some minor problems.

V1.0.5 to V1.0.6

- Now supports Macintosh computers using Intel processors.
- Solved the problem that some audio port names shown in Digital Performer 4 do not match those shown in the Audio MIDI setup when using Digital Performer 4 or higher (Mark of the Unicorn).
- Solved some minor problems.

V1.0.4 to V1.0.5

- mLAN Graphic Patchbay now supports the S90ES (equipped with the mLAN16E).
- Solved some minor problems.

V1.0.3 to V1.0.4

- Now includes mLAN Graphic Patchbay V1.0.0.
- The mLAN Graphic Patchbay now supports simultaneous usage of multiple MY16-mLAN cards.

V1.0.2Public Beta to V1.0.3

- Currently supports the MY16-mLAN.
- Currently the previous status (stored automatically) can be recalled next time automatically or manually.
- Currently adds the new function that enables you to save the connection status and setup data to a file then load them from the saved file.
- The mLAN Auto Connector can now handle two or more mLAN devices simultaneously.
- Currently adds the new Device Identify function.
- Currently adds the new Factory Set function.
- Solved the problem that MIDI data error or incorrect MIDI data flow (which should be transferred through another port) might happen depending on the amount of the MIDI ports and bulk data size.
- Solved the problem that you have to set the MIDI connection in the Audio MIDI Setup every time Mac OS is started. (This problem was found in versions of Mac OS X 10.3.5 or later.)
- Solved the problem that you have to set the MIDI connection every time you open the Audio MIDI Setup window.
- Solved the problem that you have to delete the previous device icon and the setup file of Mac OS X manually in the Audio MIDI setup window when using multiple mLAN devices in order.
- You can now set the amount of the output channels for each device. (On the mLAN16E, however, the amount of the output channels is fixed to 16.
- Solved some minor problems.

V1.0.1a to V1.0.2 Public Beta

- Currently supports the i88X and mLAN16E.
- Solved some minor problems.

Known Issues

The following problems have been recognized on this version of mLAN Driver/mLAN Tools.

1. Problems changing sampling rate or clock master when Logic 8 is running

Changing the sampling rate or clock master while Logic 8 is running will disable the mLAN network. Be sure to quit Logic 8 first, then, change the sampling rate or clock master.

2. Problems when using Logic series with a sampling rate of 44.1 kHz

On the current version of mLAN Driver/mLAN Tools, glitches and gaps in the sound may occur because of missing wordclock for a few seconds when starting a song or performing fast forward/backward repeatedly. When such a situation occurs, enter the blank data of approximately four seconds to the top of the song or try starting the record operation approximately four seconds before the intended record point.

3. Macintosh models which have restrictions on their ability to receive multiple audio/MIDI streams and connect multiple mLAN devices.

Yamaha has confirmed that the following models (listed below) can receive only four isochronous data streams via their internal FireWire ports. Among those streams, one stream will be used for FireWireIP by the Mac OS X, meaning that up to three streams are available for data stream of the mLAN devices. Each of these three streams can be used for audio signals or MIDI data sent from an mLAN device regardless of the amount of audio channels or MIDI ports. When handling both audio and MIDI using one of the following Macintosh models, you can connect up to one mLAN device, which consumes two streams for audio and MIDI. When handling only audio using one of the following Macintosh models, you can connect up to three mLAN devices, each of which consumes one stream for audio.

- Mac Pro Xeon quad core/3GHz x 2(8 core)
- Mac Pro Xeon dual core/2.66GHz x 2(4 core)
- MacBook Pro Core 2 Duo/2.4GHz
- MacBook Pro Core 2 Duo/2.33GHz
- MacBook Pro Core 2 Duo/2.2GHz

4. When the port names are changed in Cubase by the number of ports

When changing the setup as described below in mLAN Auto Connector/mLAN Graphic Patchbay, the input of the VST connection may be set to "Missing: mLAN Network" when opening the Cubase file saved before changing the setup.
- When changing the amount of the audio inputs (from the mLAN device to the computer) from 2 to 3:
- When changing the amount of the audio inputs (from the mLAN device to the computer) from 3 to 2:

If such a case occurs, make the same setting again in the VST connection window.

5. Problems occuring when using Cubase series Version 4.1

When Cubase series Version 4.1 is open and the following operations are performed, audio transfer via the mLAN Driver is disabled. To enable audio transfer via the mLAN Driver again, restart Cubase.
- Changing the Sample Rate in mLAN Connection Manager
- Changing the Sample Rate in mLAN Auto Connector
- Changing the Channel number in mLAN Auto Connector
- Changing the Disconnect/Connect setting in mLAN Auto Connector
- Changing the Sample Rate in mLAN Graphic Patchbay
- Changing the Channel number in mLAN Graphic Patchbay
- Changing the Connection setup in mLAN Graphic Patchbay

6. When establishing the mLAN connection using the expansion FireWire interface installed to the computer

When connecting the mLAN device to the expansion FireWire interface installed to the computer, follow the instructions below.

1) Quit the computer.
2) Connect the mLAN device to the expansion FireWire interface (installed to the computer) via the FireWire (IEEE1394) cable.
3) Turn on the mLAN device.
4) Start the computer.
5) Establish the mLAN connection by using the dedicated application software.