

Connecting a Computer to the 01X via mLAN

mLAN Applications for YAMAHA enables audio and MIDI signals to be transferred between a computer and mLAN devices via mLAN cables.

This software enables you to connect the i88X, mLAN16E, or 01X to a computer via mLAN.

This section explains how to use mLAN Auto Connector to connect the 01X to a computer.

In mLAN Auto Connector, you can easily connect an mLAN device by setting up the wordclock and specifying the number of audio I/O channels.

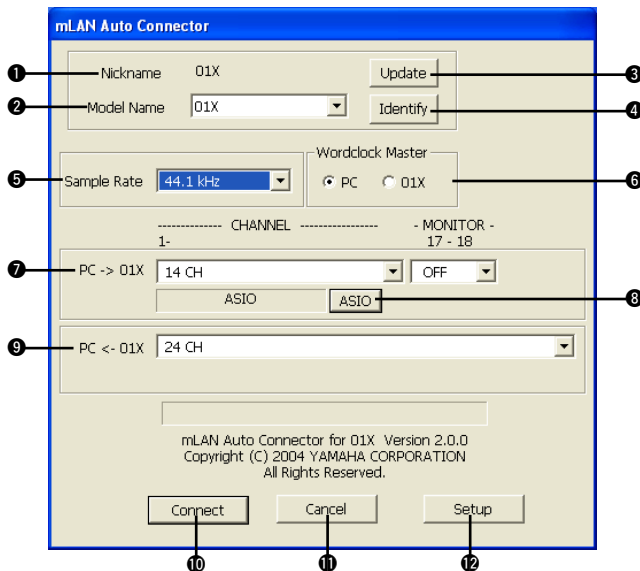
To connect multiple mLAN devices to a computer, use mLAN Graphic Patchbay. For more information on mLAN Graphic Patchbay, refer to the mLAN Graphic Patchbay Online Manual.

For other information (installation instructions, etc.), refer to the “TOOLS for i88X/mLAN16E, Plug-in Effect Installation Guide.”



- Noise may be generated when you connect an mLAN device in mLAN Auto Connector. Before you make connections in mLAN Auto Connector, lower the volume level of the connected device.
- If you use mLAN Auto Connector after you make connections in mLAN Graphic Patchbay, the connections made in mLAN Graphic Patchbay will be cancelled.
- You can also use mLAN Graphic Patchbay to connect a computer to a single mLAN device.
- mLAN Auto Connector windows may appear different when certain mLAN devices are connected.

For Windows Users



① Nickname

This field indicates the nickname of the connected 01X. To change the nickname, refer to “Node Information” in the mLAN Graphic Patchbay Online Manual.

② Model Name

This parameter enables you to select an mLAN device to which you wish to make an mLAN connection in a multiple mLAN device network.

③ [Update] button

Clicking this button updates the information on the mLAN devices connected to the mLAN network. Use this button when you add an mLAN device to the network while mLAN Auto Connector is running.

④ [Identify] button

Clicking this button causes the 01X ACTIVE indicator to flash for a few seconds.

⑤ Sample Rate

This parameter enables you to specify the sampling frequency (wordclock frequency).

⑥ Wordclock Master radio buttons

These buttons enable you to specify the computer or 01X as the wordclock master.

⑦ PC→01X

This parameter enables you to specify the number of channels of audio data input into the 01X from the computer's audio output (mLAN driver's audio output).

By selecting “2ch” for “MONITOR 17-18,” you can use the output to the 01X stereo monitor input. If the sampling frequency is set to 44.1 kHz or 48 kHz, ASIO channels 17 and 18 (mL17-18) are connected to the 01X stereo monitor input. If the sampling frequency is set to 88.2 kHz or 96 kHz, ASIO channels 9 and 10 (mL9-10) are connected to the 01X stereo monitor input.

⑧ [ASIO/WDM] button

Select the ASIO or WDM driver as appropriate for your environment.



- WDM will use the last two of the selected ASIO channels. If the sampling frequency is set to 44.1kHz or 48kHz, the WDM channel signals are input to 01X input channels 23 and 24 (mL15-16). If the sampling frequency is set to 88.2kHz or 96kHz, the WDM channel signals are input to 01X input channels 15 and 16 (mL7-8).

⑨ PC←01X

This parameter enables you to specify the number of channels of audio data input into the computer from the 01X.

⑩ [Connect] button

Click this button to connect the 01X to the computer via mLAN.

⑪ [Cancel] button

Click this button to cancel the settings and close mLAN Auto Connector.

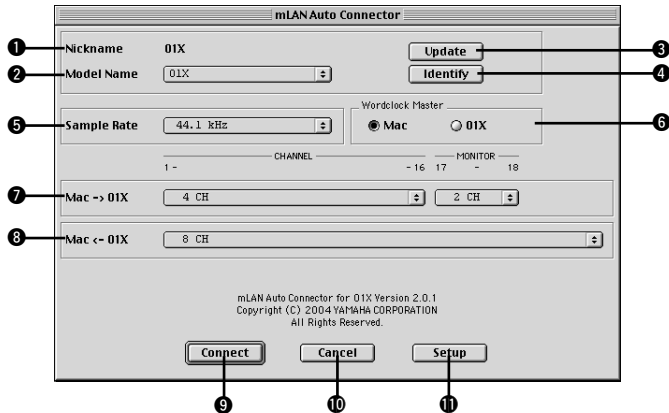
⑫ [Setup] button

Click This button to open the 01X Control Panel window, which enables you to set the wordclock transition speed.



- To listen to the sound input to the 01X monitor section, use the [MONITOR A/B] button (refer to the 01X owner's manual).
- If you change the Sample Rate to 96kHz when LAYER of the 01X is set to 17-24 (mLAN), LAYER 1-8 will be called up and channel 1 will automatically be selected.

For Macintosh Users



1 NickName

This field indicates the nickname of the connected 01X. To change the nickname, refer to “Node Information” in the mLAN Graphic Patchbay Online Manual.

2 Model Name

This parameter enables you to select an mLAN device to which you wish to make an mLAN connection in a multiple mLAN device network.

3 [Update] button

Clicking this button updates the information on the mLAN devices connected to the mLAN network. Use this button when you add an mLAN device to the network while mLAN Auto Connector is running.

4 [Identify] button

Clicking this button causes the 01X ACTIVE indicator to flash for a few seconds.

5 Sample Rate

This parameter enables you to specify the sampling frequency (wordclock frequency).

6 Wordclock Master

These buttons enable you to specify the computer or 01X as the wordclock master.

7 Mac→01X

This parameter enables you to specify the number of channels of audio data input into the 01X from the computer’s audio output (mLAN driver’s audio output).

By selecting “2ch” for “MONITOR 17-18,” you can use the output to the 01X stereo monitor input. If the sampling frequency is set to 44.1 kHz or 48 kHz, ASIO channels 17 and 18 (mL17-18) are connected to the 01X stereo monitor input. If the sampling frequency is set to 88.2 kHz or 96 kHz, ASIO channels 9 and 10 (mL9-10) are connected to the 01X stereo monitor input.

8 Mac←01X

This parameter enables you to specify the number of channels of audio data input into the computer from the 01X.

9 [Connect] button

Click this button to connect the 01X to the computer via mLAN.

10 [Cancel] button

Click this button to cancel the settings and close mLAN Auto Connector.

⑪ [Setup] button

Click This button to open the 01X Control Panel window, which enables you to set the wordclock transition speed.



- To listen to the sound input to the 01X monitor section, use the [MONITOR A/B] button (refer to the 01X owner's manual).
- If you change the Sample Rate to 96kHz when LAYER of the 01X is set to 17-24(mLAN), LAYER 1-8 will be called up and channel 1 will automatically be selected.

For Macintosh Users Using Auto Connector for 01X

If you used the Auto Connector for 01X on Macintosh, please delete the below files installed by the 01X installation program.

- mLAN Tools / Auto Connector for 01X
- mLAN Tools / EnabCtrl.Lib

If you made the alias of Auto Connector for 01X, please delete the alias.



- The install location of mLAN Tools varies depending on the setting in installation procedure.

Precautions When Changing the Wordclock Master or Slave Setting

Noise may be generated when you change the wordclock master or slave setting in the mLAN Auto Connector or mLAN Graphic Patchbay.

Before you change the wordclock setting, lower the volume of the connected device.

For Users of Software That Requires the WDM Audio Driver

For SONAR Users

- The software update spares you from having to change the settings as described in the “Cautions when switching the audio driver to WDM or WDM + ASIO.” Refer to “About software that uses WDM for the audio driver (SQ01 V2, SONAR, etc.) / Important Notice for SONAR Users” on the 01X supplemental sheet.
- The ASIO driver update enables you to use the ASIO driver in SONAR.