YAMAHA
DME-N Network Driver
Installation Guide for M7CL

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M7CL Editor requires DME-N Network Driver Version 1.0.1 or higher. In case you have an older version installed on your system, please make sure to first un-install it and then install the version delivered with M7CL installation package.
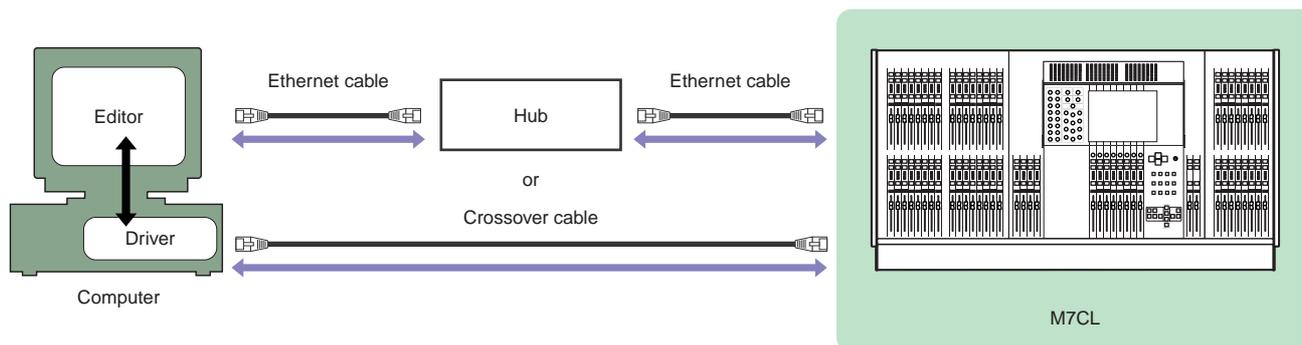
DME-N Network Driver

To operate your Yamaha hardware from your computer via Ethernet, you'll need to install the DME-N Network Driver software.
DME-N Network Driver is software that transfers MIDI data back and forth between your computer and the hardware via Ethernet cable.

Connection of computer and the M7CL

Connect the computer to the M7CL by using an Ethernet cable via a hub. When you connect the computer to the M7CL directly, use a crossover cable.

Minimum System Requirements

DME-N Network Driver applies to the system requirements of M7CL Editor. Refer to the M7CL Editor Installation Guide for details.

Installation

1 Extract the data from the downloaded compressed file and open the "DME_Networkdrv_v***" folder. "***" represents the version number.

2 Double-click on "Setup.exe."
When the setup has been initialized, a "Welcome" window appears.

3 Click [Next]. The YAMAHA DME-N Network Driver will be installed.
When installation is complete, a message appears indicating that setup has been completed.

4 In order for the newly installed YAMAHA DME-N Network Driver to take effect, select "Yes, I want to restart my computer now," and click [OK].
The computer will restart.
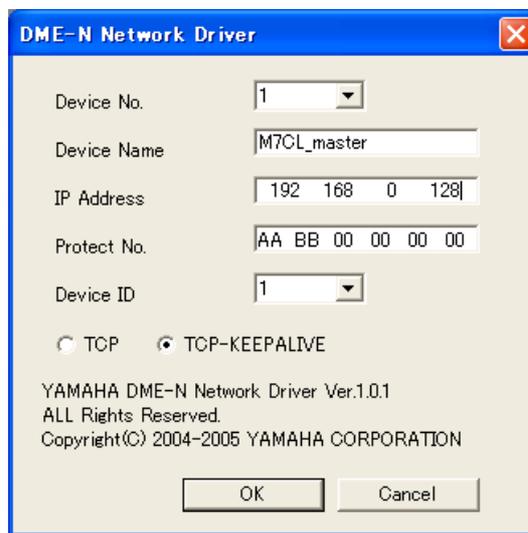
The YAMAHA DME-N Network Driver has been installed.

Uninstalling

1 Select [Start] → [Settings] → [Control Panel] → [Add/Remove Programs].
The Add/Remove Programs window appears.

2 Click [Change/Remove] for the YAMAHA DME-N Network Driver.
Follow the onscreen instructions to uninstall the driver.

> **NOTE** The button names or menus may differ depending on the computer OS.

Setup

1 Select [Start] → [Settings] → [Control Panel] → [DME-N Network Driver].
The DME-N Network Driver window appears.

2 Set up the driver in the DME-N Network Driver window.

> **NOTE** When using the DME-N Network Driver, make sure that the computer and network devices (e.g., routers, hubs) are properly connected and set up.
> When you connect the computer to the M7CL directly, use a crossover cable.

[Device No.]
This parameter is used to distinguish separate devices that communicate with the DME-N Network Driver. The DME-N Network Driver can communicate with up to 256 devices. The manner of communication can be set up independently for each device. Select the number and the settings of the device corresponding to the number will be shown. The range is 1 – 126.

[Device Name]
Determines the name of the device (e.g.,M7CL).

[IP Address]
Determines the IP address of the device for communication with the DME-N Network Driver.
If you are using a computer to communicate with the M7CL, enter the MAC address in the Network popup window, called up from the SETUP screen of the M7CL.

[ProtectNo.]
Determines the MAC address.
If you are using a computer to communicate with the M7CL, confirm the MAC address in the Network popup window, called up from the SETUP screen of the M7CL.

> **NOTE** For proper communication, it is necessary to make the appropriate "IP Address" and "Protect No." settings.

[Device ID]

Determines the Ethernet port of the device for communication with the DME-N Network Driver. When communicating with the M7CL, set the value to "1".

[TCP/TCP-KEEPALIVE]

Sets the communication system between the computer and the network device. The TCP setting and the TCP-KEEPALIVE setting have different advantages. The advantage to using TCP is that the communication load of the network device is lighter. The advantage of TCP-KEEPALIVE is greater speed.

> **TCP**
>
> Enables communication under the TCP protocol and alternately opens/closes the communication port for each packet transfer.
>
> **TCP-KEEPALIVE**
>
> Enables communication under the TCP protocol and keeps the communication port open continuously during packet transfer.

3   Click [OK] and close the DME-N Network Driver window.

The settings made in the window are entered.

NOTE   To close the window without entering the settings, click [Cancel].

Troubleshooting (FAQ)

When controlling the M7CL from your computer via Ethernet, the M7CL does not operate correctly.

- Is the Ethernet cable connected correctly?

- Is the DME-N Network Driver set up appropriately?
  Refer to .

- Did you enter an appropriate IP address of the M7CL?
  Set the IP address of the M7CL at the Network popup window which is recalled from the SETUP screen of the M7CL.
  If you are connecting the M7CL to your computer in a one-to-one connection, we recommend that you make the following initial settings.

IP address:	192.168.0.128
Gateway address:	192.168.0.1
Subnet mask:	255.255.255.0

However, it must not conflict with the IP address of any other device on the network.
For details on settings when connecting to a LAN, refer to the M7CL Editor installation guide.

- Is the computer network setup appropriately?
  Select [Start] → [Settings] → [Control Panel] → [Network Connections] → [Local Area Connection], and confirm the network setup.
  If you are connecting the M7CL to your computer in a one-to-one connection, we recommend that you make the following settings.

IP address:	192.168.0.3
Subnet mask:	255.255.255.0
Default gateway:	192.168.0.1

However, it must not conflict with the IP address of any other device on the network.
For details on settings when connecting to a LAN, refer to the M7CL Editor installation guide.

- Are the settings of the M7CL and peripheral network devices (including hubs) appropriate?
  Refer to the relevant owner's manuals for the M7CL and peripheral network devices (including hubs) for details.

- Have you selected an appropriate ports in the M7CL Editor or Studio Manager?
  Select the M7CL as the input/output port settings of M7CL Editor and Studio Manager.

- Are you using the latest DME-N Network Driver?
  The latest driver can be downloaded from the Yamaha website http://www.yamahaproaudio.com/