LIVEN Ambient Ø Update Guide

The update process of the Ambient Ø requires a **USB-MIDI interface**.

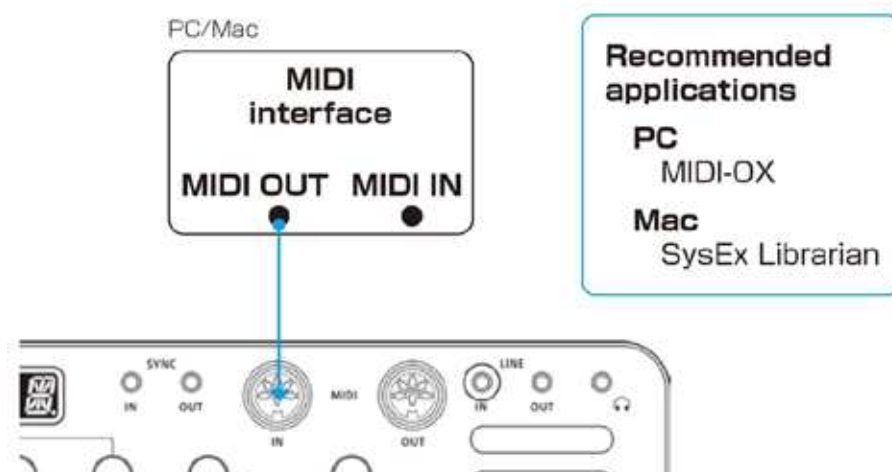*USB-MIDI interfaces that we confirmed to operate properly:*

Roland UM-ONE mk2, Yamaha UX-16, iConnectivity mio

You can use a USB audio interface with MIDI ports or an electronic musical instrument with USB-MIDI functionality (Only devices that support the transfer of MIDI system exclusive messages, such as SmplTrek).

Preparing to update

Follow the instruction manual for your USB-MIDI interface, connect it to your PC/Mac, and configure the USB-MIDI settings.

Then, connect the **MIDI OUT of the USB-MIDI interface** to the **MIDI IN of the Ambient Ø** with a MIDI cable.

You will also need to download and install the following application on your PC/Mac.

[for PC]

Download and install the **MIDI-OX** application from the URL below.
http://www.midiox.com/

[for Mac]

Download and install the **SysEx Librarian** application from the URL below.
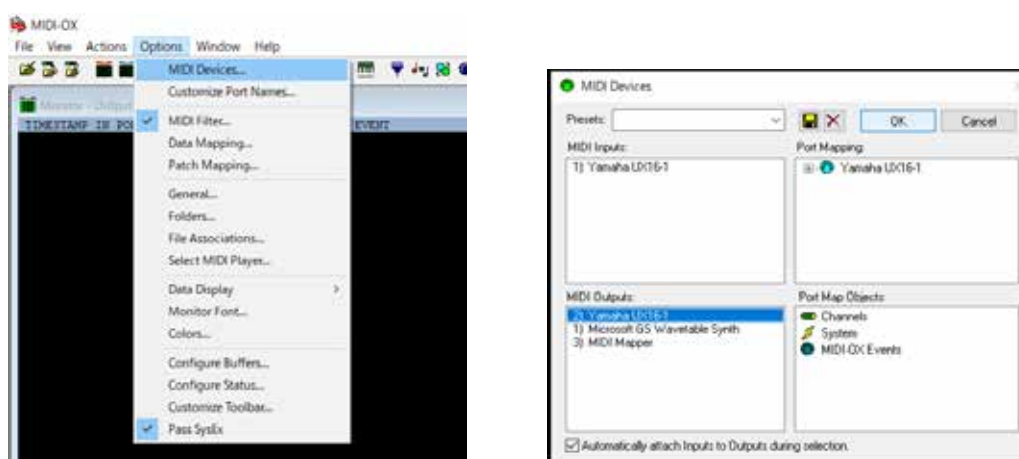https://www.snoize.com/SysExLibrarian/
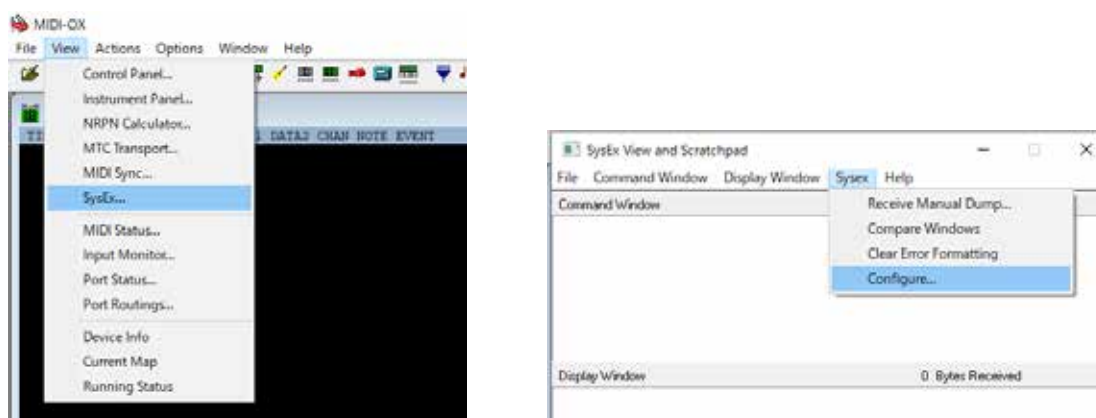
Updating the firmware

[for PC]

1 Press and hold the **shift** button + the POWER switch to turn on the
Ambient Ø.
The Ambient Ø starts and **UPDT** appears on the display.

2 Double-click the **MIDI-OX** application to launch it.

3 From the **Options** menu, select **MIDI Devices...** and select the USB-
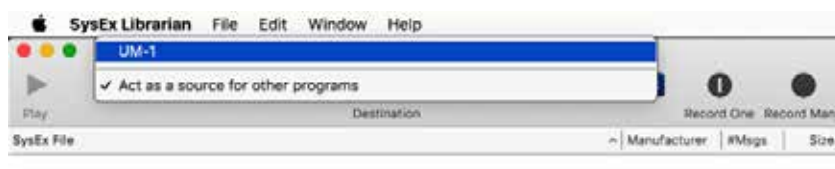MIDI interface connected to your PC.

4 From the **View** menu, select **SysEx...** and select **Configure...** from the
Sysex menu in the newly opened window.

5 Set the **Configure** settings as follows.

6 From the **File** menu, select **Send Sysex File...** and select the firmware

file **LIVEN_AMBIENT_SYSTEM_1_x_xx.syx** then click **OK**.

Data transmission begins.

RCV appears on the Ambient Ø display and the step LEDs indicate the progress of data transmission (transmission is complete when all are lit).

7 After the transmission is complete, press the **OK** button on the

Ambient Ø to execute the update.
The step LED lights up to indicate progress.

When the update is successful, **OK** is displayed (if there is an error, the error code on P. 5 is displayed).

8 Restart the Ambient Ø.

Updating the firmware

[for Mac]

1 Press and hold the **shift** button + the POWER switch to turn on the
Ambient Ø.
The Ambient Ø starts and **UPDT** appears on the display.

2 Double-click the Firmware file **LIVEN_AMBIENT_SYSTEM_1_x_xx.syx**.
The **SysEx Librarian** application starts up.

3 Click **Act as a source for other programs**, then select the USB-MIDI
interface connected to your Mac.

4 Click **Play▶**.

Data transmission begins.

RCV appears on the Ambient Ø display and the step LEDs indicate the
progress of data transmission (transmission is complete when all are lit).

5 After the transmission is complete, press the **OK** button on the
Ambient Ø to execute the update.
The step LED lights up to indicate progress.

When the update is successful, **OK** is displayed (if there is an error, the
error code on P. 5 is displayed).

6 Restart the Ambient Ø.

Troubleshooting

Error codes
＜System related＞
ER.10 : System error
ER.11: Low battery
＜Data Receiving related＞
ER.20 : Data receiving error
ER.21 : Invalid data
ER.22 : No need to update (Boot)
＜Update related＞
ER.30 : Update failed

After updating, the system status can be checked with the following button LEDs.
(Green for normal, red for abnormal)
PTN button: Preset, 1/3 button: Main, 2/4 button: Boot

If the firmware update fails, adjust the buffer size and transmission speed, and transmit the syx file again.

[for PC]
In the Configure menu, double the Num and Size values for **Low Level Output Buffers** and try transmitting it again.
If it does not work, double the Delay Between Buffers and Delay After F7 values in the **Output Timing** section.

[for Mac]
In the Preferences, try lowering the **Transmit Speed** tab.
If it does not work, try reducing the speed further.