

UAC-8 MixEfx

Reference Guide

Introduction

UAC-8 MixEfx is a mixer application designed specifically for the **ZOOM UAC-8**.

Using a computer, you can make settings for the built-in mixer and for the high-quality monitoring effects.

Functions include LO CUT, PHASE reversal and AUTO GAIN, which automatically detects input signal levels.

Other functions are LOOPBACK, which sends the input signal and computer signal back to the computer, and MEMORY, which allows you to save settings with one touch.

Installing and Launching UAC-8 MixEfx

1. Download UAC-8 MixEfx to the computer

Download the application from the ZOOM website (<http://www.zoom.co.jp/downloads>).

HINT

- You can download the latest ZOOM **UAC-8 MixEfx** from the above website.
- Download **UAC-8 MixEfx** for the operating system that you are using.

2. Launch the installer and install UAC-8 MixEfx.

Follow the instructions that appear on screen to install **UAC-8 MixEfx**.

3. Launch UAC-8 MixEfx



When you connect a **UAC-8** to a computer using a USB cable, **UAC-8 MixEfx** will launch automatically.

HINT

- See the **UAC-8** operation manual for instructions about connecting it with a computer.
- If it does not launch automatically, launch **UAC-8 MixEfx** manually from where it is installed on the computer.

Names of Parts/Basic Operations

The screenshot shows the Zoom UAC-8 MixEfx software interface. Red boxes highlight several key sections:

- INPUT DIGITAL:** Eight input channels (INPUT 1-8) with gain, clip, auto, and phase controls.
- COMPUTER:** Sampling rate (44.1, 48, 88.2, 96, 176.4, 192), clock source (ADAT, WORD CLOCK, S/PDIF, INTERNAL), loop back, and DAW 1/2 phase controls.
- UPSAMPLING:** A section with buttons for 1, 2, 3, SAVE, and FACTORY RESET.
- EFFECT:** A rotary knob for effect type (ON, PLATE, REVERB, etc.) and a DAW 1/2 phase control.
- OUTPUT:** MAIN OUT & PHONES 1 mixer with gain and EFX RETURN controls.
- MIXER:** A bottom section with PAN and M/S (Mono/Stereo) controls for each input and output.

 Callout lines point from these sections to the following text:

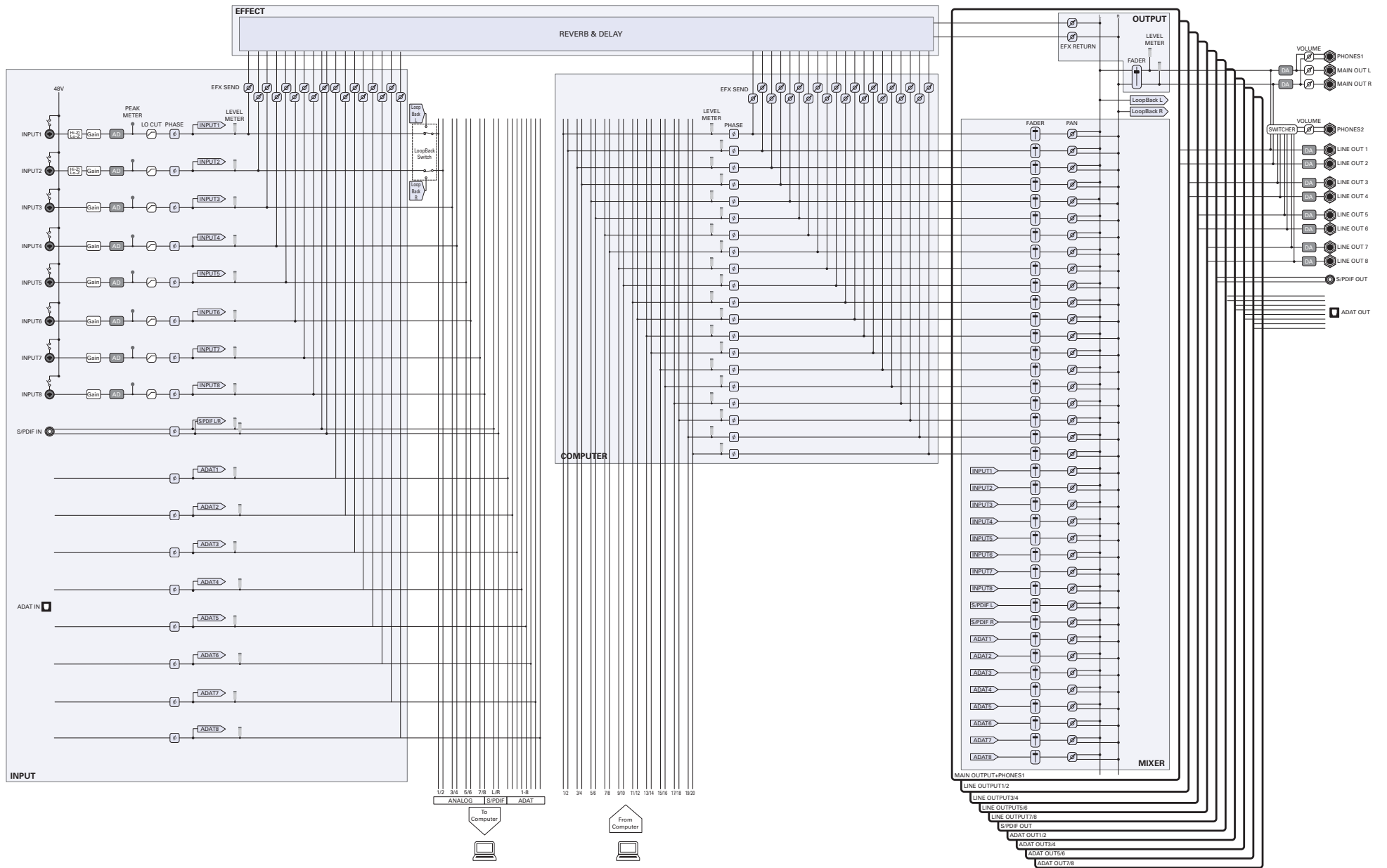
- Setting the inputs P.5:** Points to the INPUT DIGITAL section.
- Setting the built-in mixer for each output jack P.7:** Points to the MIXER section.
- Checking computer settings/ Using the loopback function/ Selecting the clock source P.6:** Points to the COMPUTER section.
- Setting the upsampling function P.10:** Points to the UPSAMPLING section.
- Saving and loading settings P.11:** Points to the UPSAMPLING section.
- Setting the effect P.9:** Points to the EFFECT section.
- Setting output levels P.8:** Points to the OUTPUT section.

Basic operations

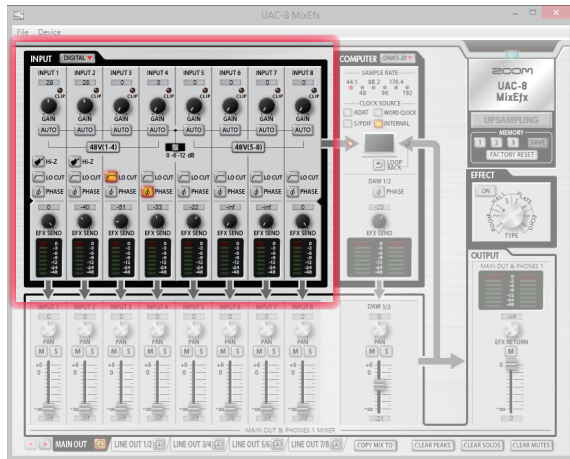
- Click a knob and drag up or down to adjust it.
- Press the shift key while moving a knob to make fine adjustments.
- Click a knob value to allow direct entry of the value.
- Click a button to turn it on/off.
- Follow the procedures below to set the sampling rate.

Open the Control Panel, then "Hardware and Sound" and change it on the ZOOM UAC-8 Control Panel.

UAC-8 Mixer Block Diagram



Setting the Inputs (INPUT)



Showing the digital inputs

Click the DIGITAL button to show the digital inputs. The screen will open to the right and show S/PDIF and ADAT 1 – ADAT 8.



Adjusting the input gain

Turn the GAIN knob to adjust the input gain so that it does not cause the CLIP indicator to light.

NOTE

• If you adjust a UAC-8 GAIN knob, the corresponding UAC-8 MixEfx input gain setting will also change automatically.



Adjusting the gain automatically (INPUT 1–8 only)

To set the optimal gain level automatically, click the AUTO button and input the audio signal.

■ Setting the automatic gain

1. Select the maximum recording level.



2. Enable the automatic gain setting.



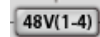
3. Input the audio signal.

4. Complete the setting.



HINT

• If there is no input for about three seconds, the button will blink more rapidly and the setting will complete automatically.



Using phantom power

Click the 48V(1-4) or 48V(5-8) button so that it lights. When the corresponding switch is lit, phantom power is supplied to INPUTS 1–4 or INPUTS 5–8 at the same time.



Using the Hi-Z function (INPUTS 1–2 only)

Click the Hi-Z button so that it lights.



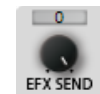
Enabling the lo-cut filter

Click the LO CUT button so that it lights. The cutoff frequency is 80 Hz.



Reversing the polarity

Click the PHASE button so that it lights.



Adjusting the effect level

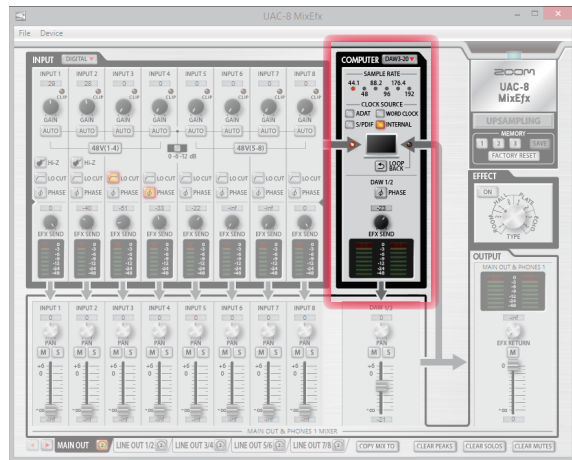
Turn the EFX SEND knob to adjust the effect level. Double-click to set it to –inf. (See “Adjusting the effect” on P.9.)



Checking input levels

Check the level meters to see the input levels. If a level exceeds 0 dB (maximum value), the top of the meter will light red. Click the meter to turn off this indicator.

Checking computer settings/Using the loopback function/Selecting the clock source (COMPUTER)



Sending the mixed signal to the computer

All the **UAC-8** inputs and computer inputs can be mixed and sent back to the computer.

When you want to record the final mixed signal, press the LOOPBACK button so that it lights.

NOTE

- The LOOPBACK function only works for the MAIN OUTPUT mixer.
- This signal is sent to the computer as INPUT1 and INPUT2 .



Reversing the phase

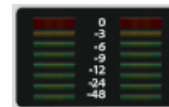
Click the PHASE button so that it lights.



Adjusting the effect level

Turn the EFX SEND knob to adjust the effect level.

Double-click to set it to -inf. (See "Adjusting the effect" on P.9.)



Checking input levels from the computer

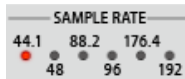
Check the level meters to see the input levels from the computer. If a level exceeds 0 dB (maximum value), the top of the meter will light red.

Click the meter to turn off this indicator.



Expanding the COMPUTER section

To expand the COMPUTER section, click the DAW3-20 button. The screen will open to the right and show DAW3/4 – DAW19/20.



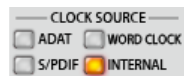
Checking the sampling rate

Check the sampling rate.

The lit indicator shows the sampling rate that the **UAC-8** is using.

NOTE

When the sampling rate shown is 88.2 or 96, ADAT 5–8 cannot be used. When it is 176.4 or 192, ADAT 3–8 cannot be used.



Setting the clock source

Select the clock source to use for synchronizing signals.

Click the INTERNAL, ADAT, S/PDIF or WORD CLOCK button so that it lights.

NOTE

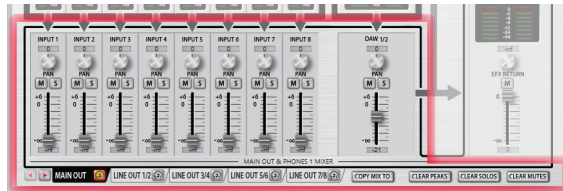
If synchronization with an external digital device is not possible, the CLOCK SOURCE indicator will blink.

In this case, the **UAC-8** will operate using its internal clock.

Using the built-in mixer (MIXER)

The **UAC-8** mixer can be set separately for each output. (See “**UAC-8** Mixer Block Diagram” on page 4.)

For example, different mixes can be output from the MAIN OUT and the LINE OUT 1/2 outputs.



Changing the output jacks

Click an output tab to select it.
If the window is narrow, click to change the shown tabs.



Assigning an output to the HEADPHONE 2 jack

Click the headphone icon on an output tab to assign that output to the HEADPHONE 2 jack.

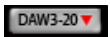
NOTE

The MAIN OUT and LINE OUT 1/2–LINE OUT 7/8 can be assigned.



Working with input from S/PDIF and ADAT

Press the INPUT tab DIGITAL button.
The screen will open to the right and show S/PDIF and ADAT 1 – ADAT 8.



Controlling computer channels number 3 and higher

Press the COMPUTER DAW3-20 button.
The screen will open to the right and show DAW3/4 – DAW19/20.



Adjusting the input signal panning

Turn the PAN knob for an input to adjust the panning of that input signal.
Double-click to set it to 0 (center).
At their center positions, INPUT 1–8 and ADAT 1–8 are reduced –3 dB.



Muting the input signals

Input signals can be muted.
Click the M button so that it lights to mute the input.

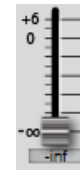


Soloing one input

All inputs other than the selected are muted.
Click the S button so that it lights to solo the channel.

NOTE

If both SOLO and MUTE are enabled at the same time, MUTE takes priority.



Adjusting the input signal levels

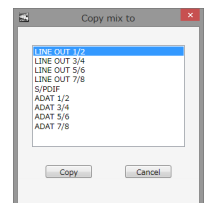
Drag each input fader to adjust its input signal level.
Double-click to set it to 0 dB.



Copying settings from the currently selected output mixer to another output mixer

You can copy the settings from the currently selected output mixer to another output mixer.

1. Click the COPY MIX TO button next to the output tab.
2. Select the output to receive the settings in the dialog shown, and click the “Copy” button.

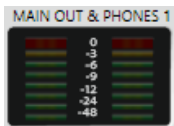
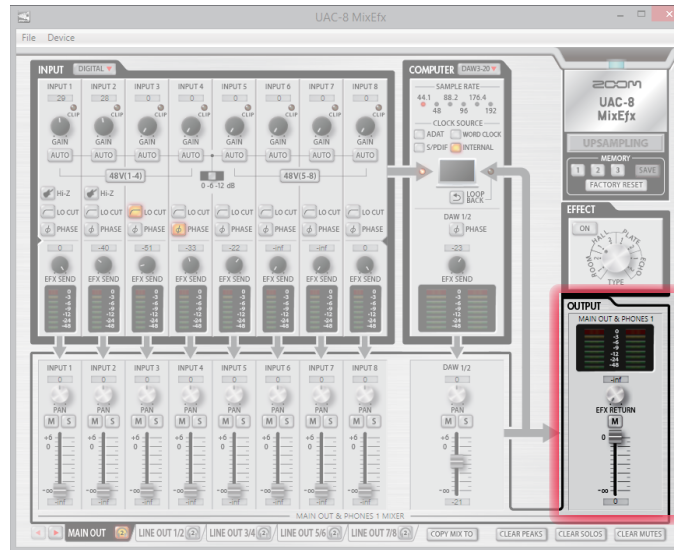


Resetting PEAK, SOLO and MUTE for all channels at once

Click the CLEAR PEAKS, CLEAR SOLOS or CLEAR MUTES button to reset the peak indicators or the solo or mute status for all channels at once.

Setting Output Levels (OUTPUT)

You can set the output level for the channels selected by the OUTPUT tab.



Checking output levels

You can check the OUTPUT/PHONES level with the level meters. If a level exceeds 0 dB (maximum value), the top of the meter will light red.

Click the meter to turn off this indicator.



Adjusting the effect return level

Turn the EFX RETURN knob to adjust the effect return level mixed into the output.

Double-click to set it to -inf.

(See "Adjusting the effect" on P.9.)



Muting the output signal

You can mute the output.

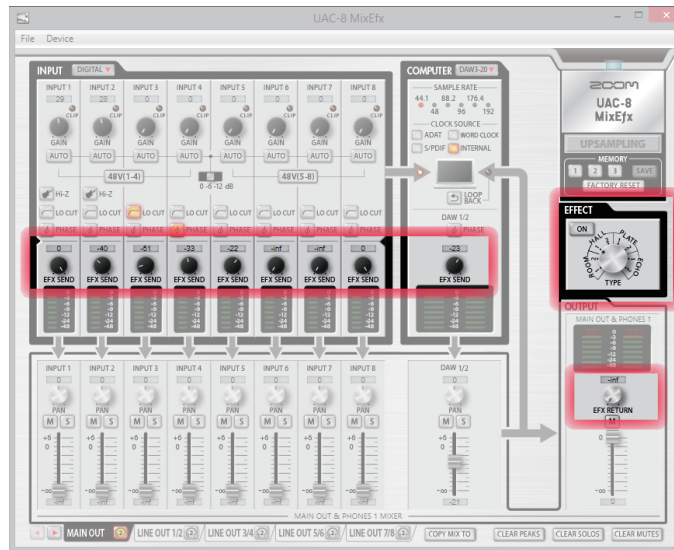
Click the M button so that it lights to mute the output.



Adjusting the output volume

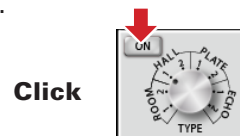
Drag the fader to adjust the volume.

Using the Effect (EFFECT)



■ Adjusting the effect

1. Turn the effect on.



2. Select the effect.



3. Adjust the EFX SEND of each input.



4. Adjust the EFX RETURN of each output.



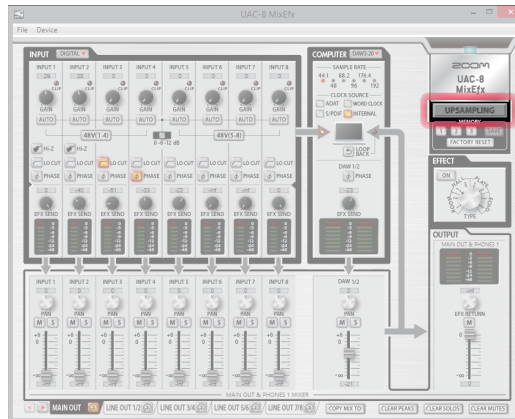
■ Effect types

ROOM1	This reverb simulates the reverberations of an echo chamber in a recording studio.
ROOM2	This reverb simulates the reverberations of a concert in a club.
HALL1	This reverb simulates a concert hall with bright reverberations.
HALL2	This reverb simulates a concert hall with muted reverberations.
PLATE1	This simulates a plate reverb with short reflections.
PLATE2	This simulates a plate reverb with long reflections.
ECHO1	This short delay can be used in many situations.
ECHO2	This simulates a tape echo.

NOTE

- The effect and upsampling functions cannot be used at the same time. Turning one on will turn the other off.
- If the upsampling function is on, a confirmation message will appear when the effect is turned on. Click the "Turn the effect ON" button.

Using the Upsampling Function (UPSAMPLING)



Activating the upsampling function

When the original sampling rate is 44.1 kHz or 48 kHz, internal processing can allow operation at 176.4 kHz or 192 kHz.

1. Click the UPSAMPLING button.



This activates the upsampling function.



NOTE

- The upsampling function only works for 44.1/48 kHz.
- The effect and upsampling functions cannot be used at the same time. Turning one on will turn the other off.
- If the effect function is on, a confirmation message will appear when upsampling is turned on. Click the "Turn upsampling ON" button.

Deactivating the upsampling function

1. Click the UPSAMPLING button.



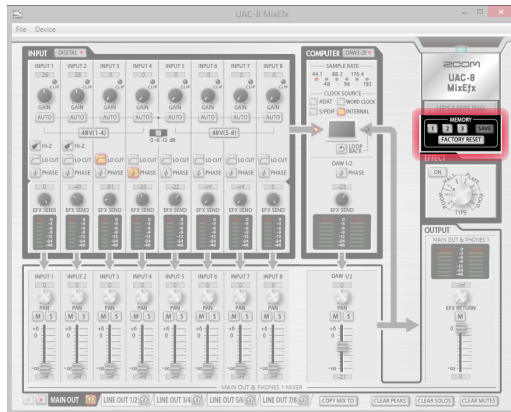
This deactivates the upsampling function.



NOTE

If the effect function is turned on, the upsampling function will be deactivated.

Saving and Loading Settings (MEMORY)



■ Saving settings

1. Start saving the settings.



2. Select a blinking button to save the settings.



■ Loading settings

1. Load saved settings.



FACTORY RESET

Resetting interface settings

To restore a **UAC-8** to its factory default settings, click the **FACTORY RESET** button. On the confirmation screen, click "Reset".

Settings saved in **UAC-8 MixEfx** will not be reset.

Saving and Loading Setting Files (SAVE/LOAD)

■ Saving settings

1. Select "Save" from the "File" menu.

NOTE

After saving settings as a file, select "Save as" to save settings with a different file name.

2. Set the file name and saving location, and save the file.

■ Loading settings

1. Select "Open..." from the "File" menu.
2. Select the settings file and click "Open".

The settings will be loaded.

NOTE

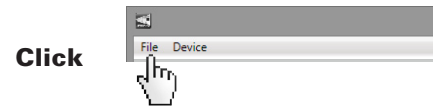
Settings saved in the memories will not be changed when a settings file is loaded.

Using the Power Management Function

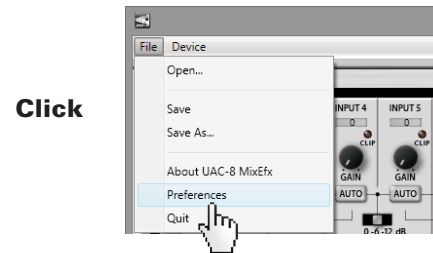
The power will automatically turn off 10 hours after the **UAC-8** is put in standalone mode. You can use **UAC-8 MixEfx** to turn this function ON/OFF.

■ Disabling the power management function

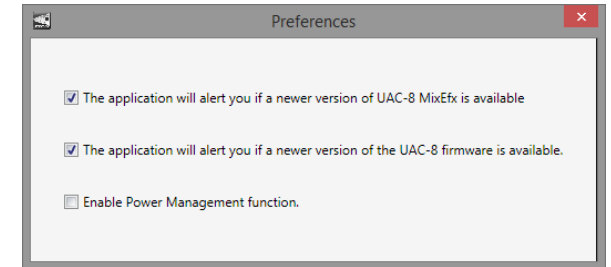
1. Click “File” in the **UAC-8 MixEfx** tool bar.



2. Select “Preferences”.



3. Remove the check next to “Enable Power Management function”.



HINT

- The power management function is enabled when a check appears next to this item.

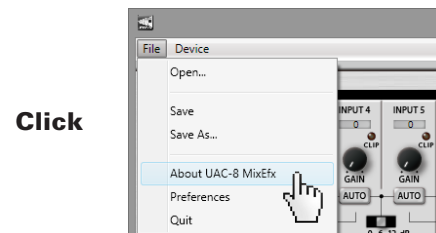
Managing Software and Firmware Versions

■ Viewing version information

1. Click "File" in the **UAC-8 MixEfx** tool bar.



2. Select "About UAC-8 MixEfx".



3. Check the version information.



HINT

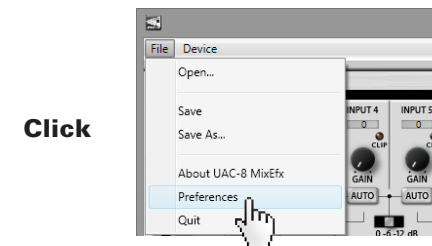
- "Version" is the **UAC-8 MixEfx** mixer application version and "Device Version" is the **UAC-8** version of the hardware.

■ Setting version update alerts

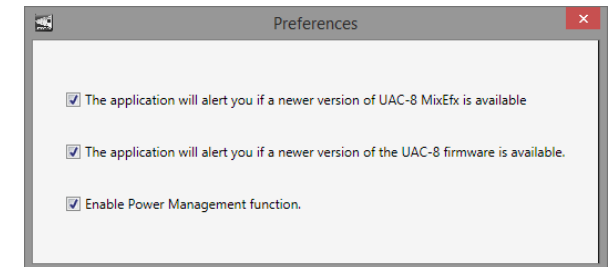
1. Click "File" in the **UAC-8 MixEfx** tool bar.



2. Select "Preferences".



3. Enable the version update alerts.



HINT

- The alerts are enabled when checked.

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Z21-2359-01