

TAC-2 MixEfx

Reference guide

Introduction

TAC-2 MixEfx is a mix application designed specifically for the **ZOOM TAC-2**, **TAC-2R**. 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 LOOP-BACK, which sends the input signal and computer signal back to the computer, and MEMORY, which allows you to save settings with one touch.

Depending on whether a **TAC-2** or **TAC-2R** is connected, the **TAC-2 MixEfx** screen display and some of its functions will differ.

Installing and launching TAC-2 MixEfx

1. Download TAC-2 MixEfx to the computer

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

HINT

- You can download the latest ZOOM **TAC-2 MixEfx** from the above website.
- The supported operating systems are as follows.
Mac OS X 10.8.5 (or later)

2. Install TAC-2 MixEfx on the computer

Click the "ZOOM TAC-2 MixEfx.pkg" icon and follow the instructions to install **TAC-2 MixEfx**.

3. Launch TAC-2 MixEfx



When you connect a **TAC-2** or **TAC-2R** to a computer using a Thunderbolt™ cable, **TAC-2 MixEfx** will launch automatically.

HINT

- See the **TAC-2** or **TAC-2R** operation manual for instructions about connecting it with a computer.
- If it does not launch automatically, open **TAC-2 MixEfx** from the Applications folder on the computer.

Overview of sections/Basic operations

Checking computer settings/Using the loopback function P.6

Saving and loading settings P.8

Setting the effect P.8

Setting the input preamp P.4

Using the built-in mixer P.6

Setting the output level P.7

The screenshot shows the TAC-2 MixEfx interface with several sections highlighted by red boxes and lines pointing to descriptive text. The sections include:

- INPUT PREAMP:** Controls for INPUT 1 (INSTRUMENT) and INPUT 2, including gain, clip, auto, lo cut, phase, and phantom.
- COMPUTER:** Controls for sample rate (44.1, 88.2, 176.4, 48, 96, 192) and a loopback function.
- EFFECT:** Controls for an effect (ON/OFF), type (ROOM, HALL, PLATE), and mix levels for INPUT 1, INPUT 2, and COMPUTER.
- MIXER:** Controls for pan and level for INPUT 1, INPUT 2, and COMPUTER.
- OUTPUT:** Controls for output level and mute for L-OUTPUT-R and L-PHONES-R.
- MEMORY:** Controls for saving and loading settings (1, 2, 3, SAVE, FACTORY RESET).

● TAC-2R differences

When a TAC-2R is connected, the TAC-2 MixEfx screen display and some of its functions will change.

Setting the input preamp P.5

Setting the output level P.7

This screenshot shows the TAC-2 MixEfx interface with two sections highlighted by red boxes and lines pointing to descriptive text:

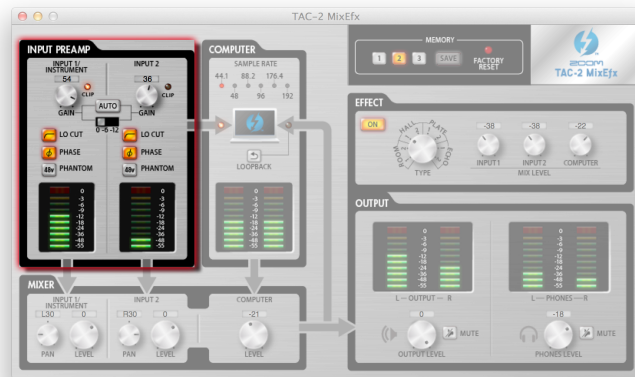
- INPUT PREAMP:** Controls for INPUT 1 and INPUT 2, including gain, clip, auto, lo cut, phase, and phantom.
- OUTPUT:** Controls for output level and mute for L-OUTPUT-R and L-PHONES-R.

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.
- To change the sampling rate, open the Utilities folder in the Applications folder and double-click the Audio MIDI Setup application. Select "TAC-2" or "TAC-2R" in the application and set the sampling rate.

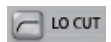
Setting the input preamp (INPUT PREAMP)

Using a TAC-2



Adjusting the input gain

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



Enabling the lo-cut filter

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



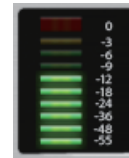
Reversing the polarity

Click the PHASE button so that it lights.



Using phantom power

Click the PHANTOM button so that it lights.



Checking input levels

Check the level meters to see the input levels of INPUT 1 and INPUT 2.

If an input exceeds 0 dB (maximum value), the top of the meter will light red. Click the top of the meter to turn off this indicator.

Adjusting the gain automatically

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

Setting the gain automatically

1. Select the maximum recording level.

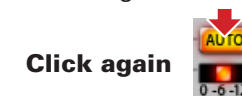


2. Enable the automatic gain setting.



3. Input the audio signal.

4. Complete the setting.



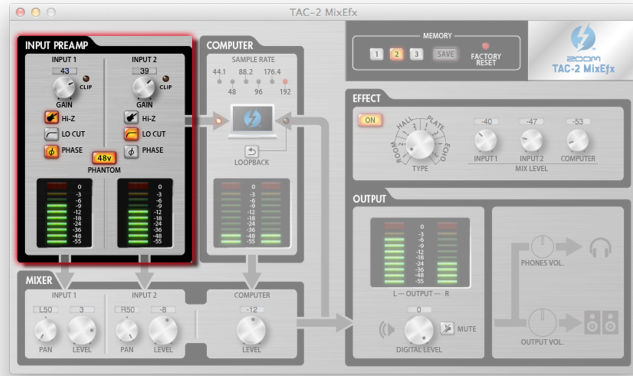
HINT

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

NOTE

- Automatic gain can only be set when a **TAC-2** is connected.
- When a **TAC-2R** is connected, no AUTO button will be shown.

● Using a TAC-2R



Adjusting the input gain

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

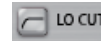
NOTE

- If you adjust the **TAC-2R** GAIN knob, the **TAC-2 MixEfx** input gain setting will also change automatically.



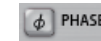
Using the Hi-Z function

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.



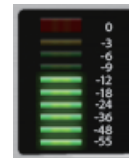
Reversing the polarity

Click the PHASE button so that it lights.



Using phantom power

Click the PHANTOM button so that it lights.
Phantom power will be supplied to both INPUT 1 and INPUT 2 simultaneously.



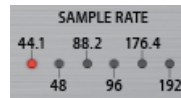
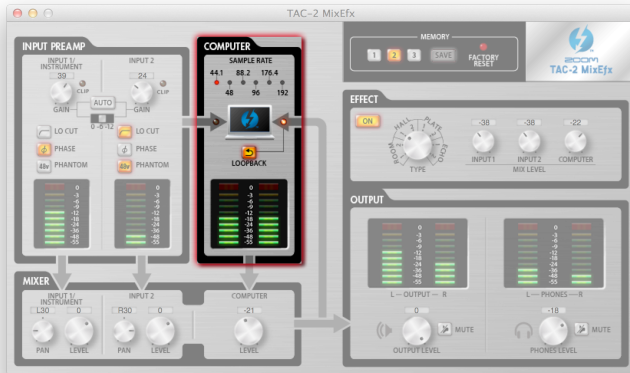
Checking input levels

Check the level meters to see the input levels of INPUT 1 and INPUT 2.

If an input exceeds 0 dB (maximum value), the top of the meter will light red. Click the top of the meter to turn off this indicator.

Checking computer settings/Using the loopback function (COMPUTER)

● Same for both TAC-2 and TAC-2R



Checking the sampling rate

Checking the sampling rate.

The lit indicator shows the sampling rate that the TAC-2 or TAC-2R is using.



Sending the mixed signal to the computer

The signals input through INPUT 1 and INPUT 2 and from the computer 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.



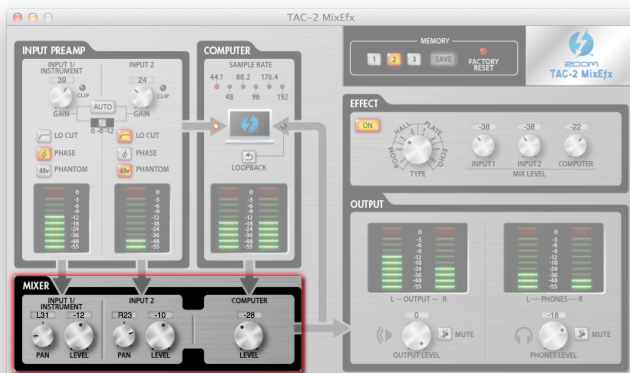
Checking input levels from the computer

Check the level meters to see the input levels from the computer.

If an input exceeds 0 dB (maximum value), the top of the meter will light red. Click the top of the meter to turn off this indicator.

Using the built-in mixer (MIXER)

● Same for both TAC-2 and TAC-2R



Adjusting the input signal panning

Turn the INPUT 1 PAN and INPUT 2 PAN knobs to adjust the panning of the input signals.

Double-click to set it to 0 (center).

In the center position, the reduction is -3 dB.



Adjusting the input signal levels

Turn the INPUT 1 LEVEL and INPUT 2 LEVEL knobs to adjust the levels of the input signals.

Double-click to set it to 0 dB.



Adjusting signal levels input from the computer

Turn the COMPUTER LEVEL knob to adjust the computer input levels.

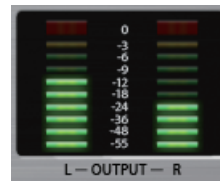
Double-click to set it to 0 dB.

NOTE

- If the TAC-2R DIRECT MONITOR switch position is changed, the TAC-2 MixEfx pan and input level settings will also change automatically.

Setting the output level (OUTPUT)

Using a TAC-2



Adjusting the OUTPUT/PHONES volume levels

Turn the OUTPUT LEVEL and PHONES LEVEL knobs to adjust their volumes independently.

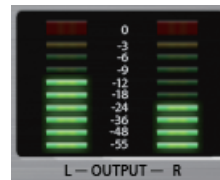
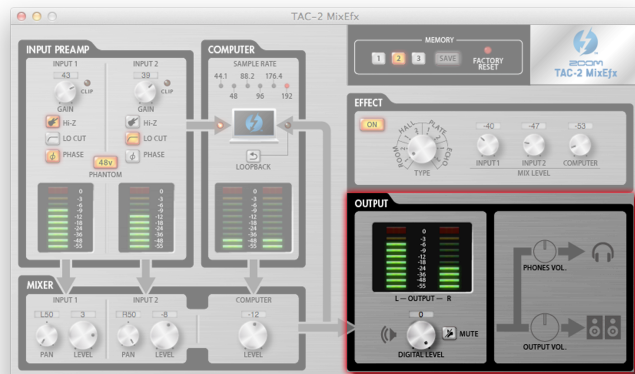
Muting the OUTPUT/PHONES outputs

The OUTPUT/PHONES outputs can be muted. Click the MUTE button so that it lights to mute the output.

Checking output levels

You can check the OUTPUT/PHONES level with the level meters. If an output exceeds 0 dB (maximum value), the top of the meter will light red. Click the top of the meter to turn off this indicator.

Using a TAC-2R



Adjusting the DIGITAL LEVEL

Turn the DIGITAL LEVEL knob to adjust it.

Muting the DIGITAL LEVEL output

You can mute the DIGITAL LEVEL output. Click the MUTE button so that it lights to mute the output.

Checking output levels

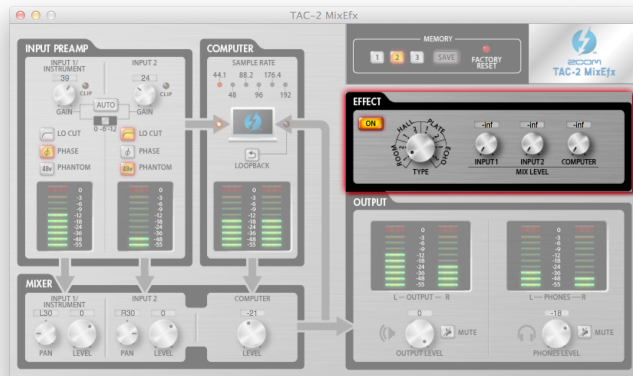
You can check the output level with the level meters. If an output exceeds 0 dB (maximum value), the top of the meter will light red. Click the top of the meter to turn off this indicator.

NOTE

• TAC-2 MixEfx cannot be used to adjust the OUTPUT and PHONES levels. Use the TAC-2R OUTPUT and PHONES knobs to adjust these levels.

Setting the effect (EFFECT)

● Same for both TAC-2 and TAC-2R



■ Adjusting effect settings

1. Turn the effect on.

Click



2. Select the effect.

Turn



3. Adjust the effect MIX LEVEL.

Turn

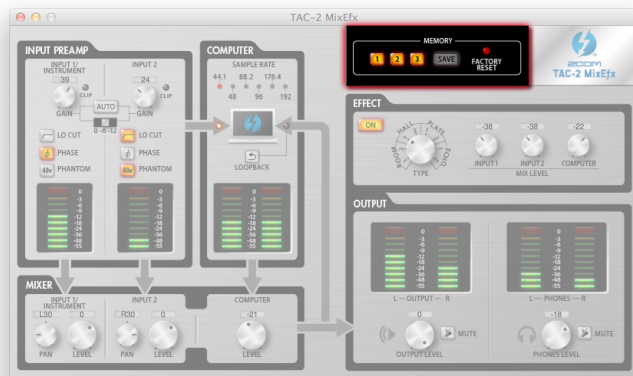


■ Effect types

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.

Saving and loading settings (MEMORY)

● Same for both TAC-2 and TAC-2R



■ Saving settings

1. Start saving settings.

Click



2. Select a blinking button and save the settings.

Click



■ Loading settings

1. Load saved settings.

Click



Resetting interface settings

To restore a TAC-2 or TAC-2R to its factory default settings, click the FACTORY RESET button. Settings saved in TAC-2 MixEfx will be retained.

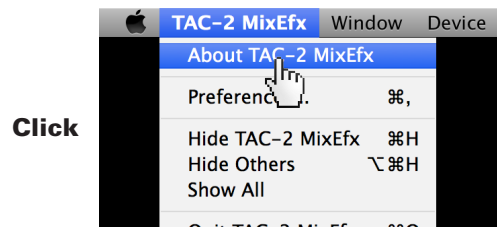
Managing software and firmware versions

■ Viewing version information

1. Select **TAC-2 MixEfx** in the menu bar.



2. Select "About TAC-2 MixEfx".



3. Check the version information.



HINT

- "Version" is the **TAC-2 MixEfx** mixer application version and "Device Version" is the version of the **TAC-2** or **TAC-2R** hardware.

■ Setting version update alerts

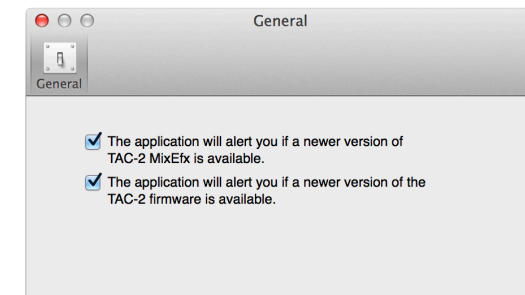
1. Select **TAC-2 MixEfx** in the menu bar.



2. Select "Preferences...".



3. Enable the version update alerts.



HINT

- The alerts are enabled when checked.

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