# Using the Event EZbus with Cool Edit Pro 2.1

The Cool Edit Pro 2.1 update adds support for the Event EZbus Computer Audio Interface /Software Control Surface/Stand-Alone Digital Mixer. Please note that you must have downloaded and installed the latest 2.1 (or later) update, since this device was not supported in Cool Edit Pro version 2.0. To see which version of Cool Edit Pro you are currently running, open your Cool Edit Pro and go to Help-About Cool Edit Pro. In the window that opens you should see the version number. If you have version 2.0, then it is necessary that you go to the download page of the Syntrillium web site and download the latest update and install it following the instructions provided. http://www.syntrillium.com/cep/

Please also note that the EZbus surface controller features require Windows Me, 2000 or XP. The EZbus can be installed under Windows 98 and it will function as an audio device, but Event does not support the EZbus surface controller features under Windows 98.

## SETUP

There is no additional software required for Cool Edit Pro 2.1 to access the EZbus once the unit is properly installed in Windows, using the software provided with your EZbus unit. The EZbus will install as a USB stereo sound card device in Windows, therefore, Cool Edit Pro 2.1 will be able to access it just like any other typical stereo sound card. To set up Cool Edit Pro 2.1 to use the EZbus as your main audio device, please follow these steps:

- -Go to Options > Device Order dialog.

- -Go to the Playback Devices tab and move the "EZbus" device to the right "Multitrack Preference Order" column and to the top of the list.

- Click on the "Use in EV" button to make this stereo output your Edit View playback device as well if desired.

- Go to the Recording Device tab and do the same with the "EZbus" device if you want this to be your 'default' record device for Multitrack and Edit View.

For Cool Edit Pro to be able to record and play at 24 or 32 bit operations with the EZbus, it is necessary to make the following setting:

- Go to Cool Edit Pro's Options > Device Properties-Wave Out tab window

- Under the "Send 32 bit audio as:" section, select "3 Byte Packed PCM"
  *If you have the EZbus installed under Windows ME, 2000, or XP and you are using the Event WDM driver, then you will want to also check the "Try as WDM" box. If you are using Windows 98 then you do not want to check this "Try as WDM" box. Please refer to the following screenshot for an example of these Cool Edit Pro settings on a Windows XP system:*
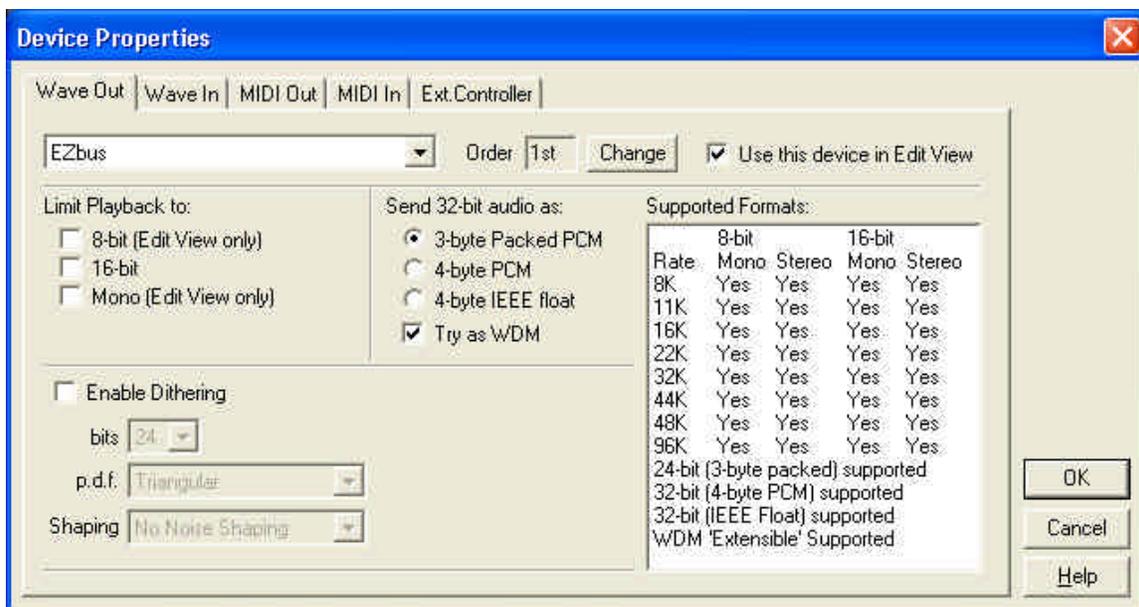


- Go to Cool Edit Pro's Options > Device Properties > Wave In tab window

- Under the "Get 32 bit audio using:" section, select "3 Byte Packed PCM"

  *If you have the EZbus installed under Windows Me, 2000 or XP and you are using the Event WDM driver, then you will want to also check the "Try as WDM" box. If you are using Windows 98 then you do not want to check this "Try as WDM" box. Please refer to the following screenshot for an example of these Cool Edit Pro settings on a Windows XP system:*
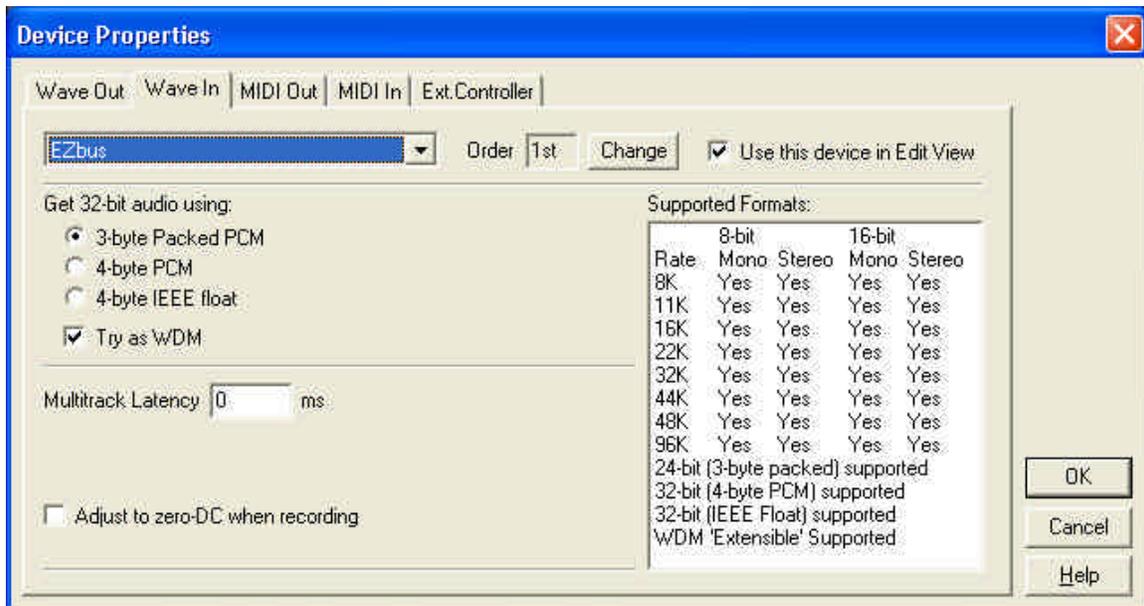
- Click "OK" to close this window and retain your settings changes.

You might also need to look in Cool Edit Pro's Options > Device Preferences window and check in the "Ext. Controllers" tab window to be sure the "EZbus" is selected as the current active External Controller Device. Typically, Cool Edit Pro will set it up here automatically if the EZbus unit is powered on before launching Cool Edit Pro.

*The EZbus is a fully functional digital mixer, as well as an audio interface and control surface. As such, it has many options for signal routing and monitoring. Please refer to your EZbus Owner's Manual to learn about the routing configuration necessary for recording and monitoring audio via USB.*

## EZbus as a Cool Edit Pro 2.1 Surface Controller

The following is a list of Event EZbus controller functions that are specific to Cool Edit Pro 2.1. Before proceeding, please be sure to first become familiar with the basic operation of the EZbus unit by reading your EZbus Owner's Manual.

Once you have launched Cool Edit Pro and have the EZbus properly selected as the External Controller device, put the EZbus into 'Virtual" mode to have it act as a control surface rather than a mixer unit. Do this by pressing the AUDIO/VIRTUAL button so that the indicator light is off. You should now see the unit's LCD display show two rows of characters and level meters. Please refer to the following illustration for what these characters correspond to in Cool Edit Pro:
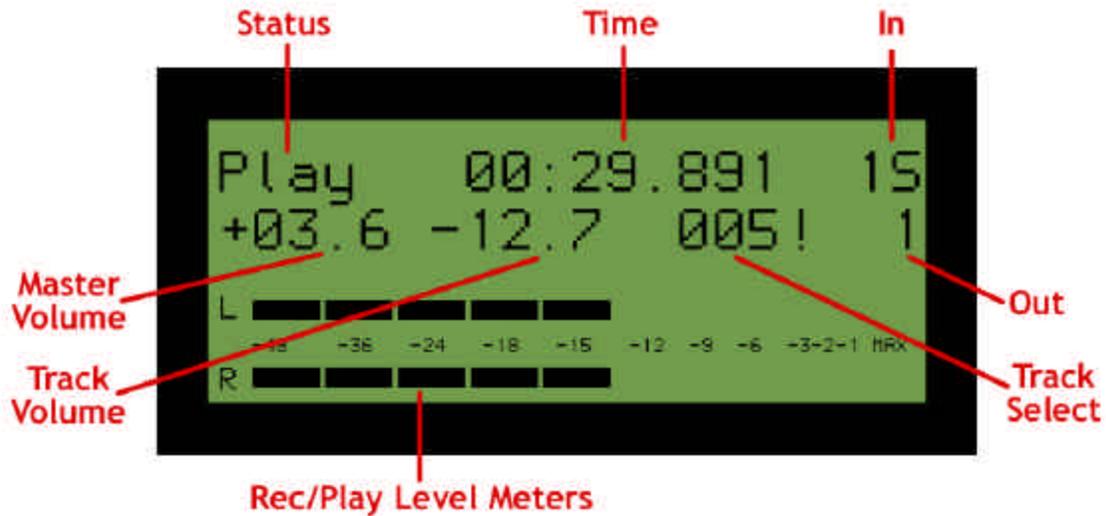
**STATUS** – The current transport status of Cool Edit Pro (playing, stopped, recording, etc.)

**TIME** – Cool Edit Pro's current playback cursor position

**IN** – The record device input for the currently selected Cool Edit Pro track, and **S**, **L** or **R** to indicate stereo, left or right channel*

**MASTER** – the current Master Volume fader setting *

**TRACK VOLUME** – the currently selected track's volume setting *

**TRACK SELECT** – the currently selected track. If a "**!**" symbol is displayed this indicates that this track already has a waveblock present *

**OUT** – The playback device output for the currently selected track *

   *These indicators are utilized only for Cool Edit Pro's Multitrack View*

**TRANSPORT CONTROLS**
REW, F FWD, STOP, PLAY, RECORD - There are dedicated buttons for each of these on the unit's transport section. In addition, if you double-tap the << REW button it will place the cursor and view at the start of the session, file (in Edit View) or to next Cue to the left. Likewise, double-tapping the >> FF button places the cursor and view to the end of the session, file (in Edit View) or next right Cue. A PAUSE function is available if you press the PLAY > button once again during playback. To resume playback, press the PLAY > button once again. The Transport controls will function for Cool Edit Pro's Multitrack and Edit View.

**MASTER FADER**
The EZbus's Master Fader slider (the far right fader) is a dedicated slider that accesses Cool Edit Pro's Master Volume mixer slider. In Cool Edit Pro, go to View > Show Mixer Window to launch the Cool Edit Pro mixer to see this in action.

**CHANNEL FADERS**
The EZbus's eight Channel Faders will access both the Cool Edit Pro Mixer Window Track Faders as well as the Track Volume value in the Track Controls area of Cool Edit Pro. The EZbus's eight Channel Faders are governed by the NEXT and PREVIOUS switches. These two switches allow you to toggle the set of eight Faders to control tracks 1-8,
9-16, 17-24…etc., all the way up to track 128.

**MUTE/SOLO SWITCHES AND LED'S**
Mute or Solo any track by first pressing the desired track's SELECT button and then pressing the MUTE or SOLO button.

**RECORD ARMING**
To toggle any track between "arm" and "disarm" for recording, hold down the Master channel's SELECT button and press the desired channel's SELECT button. You can arm as many tracks as needed at any one time by repeating this for any desired track.

**PANNING**
To access any track's Pan control in the Cool Edit Pro Multitrack, click and hold the EZbus SELECT button for the desired Cool Edit Pro track, then rotate the EZbus VALUE wheel left or right to Pan the track output left or right respectively.

**VALUE WHEEL**
The VALUE wheel shuttles the cursor left or right in time across the Session Display. Since Cool Edit Pro starts playback from the cursor position, this is a handy way to move your playback start position easily. The VALUE Wheel functions in Multitrack and Edit View.

Additionally, in the Cool Edit Pro Multitrack you can access any track's Pan control using this VALUE wheel as well (see PANNING above).

**A few relevant notes regarding the Cool Edit Pro with the EZbus unit ...**

It is not advisable to have additional USB devices in the same USB chain as the EZbus. USB audio requires significant bandwidth, and having other USB devices active in the same chain can compromise the available bandwidth.

It is not advisable to 'hot-swap' (plug or unplug the USB cable) or power the EZbus on/off while you have a Cool Edit Pro session running. It is also the best practice to have the EZbus powered on before you launch Cool Edit Pro.

Cool Edit Pro 2.1 is capable of recording from the EZbus's USB and Optical outputs into individual mono or stereo tracks. To use the Optical outputs, you must also have an optical audio interface installed in your PC. Event offers the EZ8 24-bit/26kHZ Optical Audio Interface specifically for this application.

Earlier versions of Cool Edit (Pro 1.x, 2.0 and 2000) are able to utilize the EZbus as a USB sound card device and digital mixer, *but control surface functions are not supported in these earlier versions.* Cool Edit Pro 2.1 (or later) is required to access the EZbus Surface Controller features.

Syntrillium offers an SDK (Software Developer's Kit) free for download, which can be used to configure the EZbus for very detailed, custom control of Cool Edit Pro 2.1. http://www.syntrillium.com/cep/

For more information on the EZbus and technical support issues pertaining to its use, please contact Event Electronics directly at:

http://www.event1.com

Event Customer Service Phone – (805) 566-7777, ext. 5

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