KEYS

EZKEYS LINE

EZKEYS

SONGWRITING MADE EASY

OPERATION MANUAL

TOONTRACK

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Additional thanks to our hard working distributors, supporting families, and of course, all the Toontrack fans out there!

TABLE OF CONTENTS

1 - INTRODUCTION

2 - INSTALLATION

2.1 System requirements 5
2.2 Installing EZkeys on your PC 5
2.3 Installing EZkeys on your Mac 5
2.4 Authorizing EZkeys online 6
2.5 Authorizing EZkeys offline 7

3 - EZKEYS IN OPERATION

3.1 The Keyboard area 8
3.2 Sound libraries and presets 9
3.3 The MIDI Browser 10
3.4 Song Track overview 12
3.5 Songwriting tools in details 13
3.6 The Chord Selector 14
3.7 Using other Sound Generators 16
3.8 Standalone operation 17

4 - MIDI OUT OVERVIEW

1 - INTRODUCTION

Combining a world-class piano player, songwriting partner, arranger and a meticulously sampled piano, EZkeys marks the next step in creative music software.

EZkeys comes with an extensive, pro-played, MIDI library covering all major styles from pop, rock and gospel to country and jazz. This, combined with EZkeys' revolutionary smart transpose functionality, makes writing songs easier than ever. Drag and drop MIDI phrases, be it from the included library or your own imported material, add color and transpose them on the fly. It is that simple!

Because EZkeys is a virtual instrument that combines fantastic keyboard sound with a simple and easy to use MIDI browser and built-in song track construction facilities, you can be sure you have all the tools you need to create the perfect keyboard part, effortlessly and efficiently!

We hope you enjoy using EZkeys and find it an indispensable songwriting tool. Thank you for your support and purchase!

TOONTRACK

Note that this manual is intended as a comprehensive operational manual for the EZkeys Player and some functionality may not be available in all individual products in the EZkeys line. Furthermore, screenshots featured in this manual are representative of the EZkeys Grand Piano, and it is possible that some visual references used for illustration are not applicable or may differ in positioning in other EZkeys products.

2 - INSTALLATION

2.1 System requirements

- Windows 7 or newer, Pentium 4 or Athlon processor with 2 GB RAM
  (32 and 64-bit versions of Windows are supported as per host application)

- OS X 10.6 or higher, Intel-based Mac with 2 GB RAM
  (32 and 64-bit hosts are supported on the Mac Intel platform)

Audio Unit, VST, AAX or RTAS host application and professional sound card recommended.

2.2 Installing EZkeys on your PC

Run the *EZkeys Installer* included with the DVD or electronic download and follow the instructions. Please make sure to read the additional instructions included in the 'readme' file as it may contain important information not available at the time this manual was assembled.

The installer will attempt to install the EZkeys plug-in, a.k.a 'Ezkeys Player', in the appropriate location for the currently installed host program. You should however verify that this is the case and perform a custom install to change the destination target if this is not adequate for your host program (see your host manual for details).

If this is your first EZkeys product it is also important that you decide where you would like the sound library to be stored. This decision will apply to all EZkeys libraries you may wish to install in the future so please take a moment to decide the most appropriate location for the long term storage of your sounds.

2.3 Installing EZkeys on your Mac

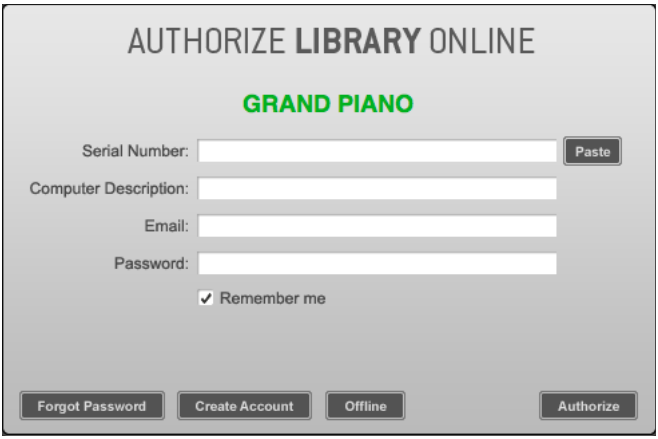
Run the *EZkeys Installer* included with the DVD or electronic download and follow the instructions. Please ensure you are logged in as an administrator before proceeding.

The EZkeys plug-in, a.k.a 'EZkeys Player', will be installed in the default location for your operating system and should not be moved, to remain available to all users and programs.

If this is your first EZkeys product it is also important that you decide where you would like the sound library to be stored. This decision will apply to all EZkeys libraries you may wish to install in the future so please take a moment to decide the most appropriate location for the long term storage of your sounds. The library install location can be specified on the custom screen of the installer.

2.4 Authorizing EZkeys online

On first launching EZkeys from within your host application (or the standalone EZkeys application), you will be presented with an authorization screen. If your computer is connected to the Internet, simply follow the instructions presented to you:



1) Type in the serial number found on the DVD packaging or paper/electronic receipt for your purchase. The serial number normally starts with 'EZKx' or 'EKxx', followed by 4 groups of 4 digits.

2) Add a description for your computer. This is only used for your convenience managing your authorization through the Toontrack website so this can be anything you like.

3) Type your Toontrack login and password. If you do not yet have a Toontrack account, click 'Create Account' and follow the instructions.

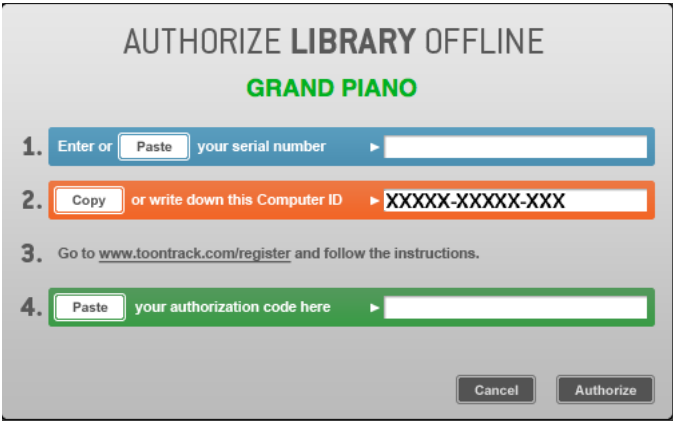
4) Click 'Authorize'.

You should receive a message telling you that your EZkeys product has been authorized successfully. Should the authorization process fail for whatever reason, please review the Authorization FAQ located at http://www.toontrack.com/support_portal.asp

If you are still unable to authorize your Toontrack product, please use the support contact link embedded into the FAQ, making sure to specify your serial number and the Computer ID found on the 'offline' screen (see the directions on opposite page).

2.5 Authorizing EZkeys offline

On first launching EZkeys from within your host application (or the standalone EZkeys application), you will be presented with an authorization screen. If your computer is not connected to the Internet, click the 'Offline' button and follow the instructions presented to you:



1) Type in the serial number found on the DVD packaging or paper/electronic receipt for your purchase. The serial number normally starts with 'EZKx' or 'EKxx', followed by 4 groups of 4 digits.

2) Copy the Computer ID exactly as shown in the interface onto a piece of paper.

3) Using a different computer or a smart phone, go to http://www.toontrack.com/register/ (you will need to create a user account if this is your first Toontrack product) and, after registering your product, type your Computer ID and a short description for your computer for easy identification at a later date (this can be anything you like, for example 'Studio B computer').

4) After generating the Authorization Code at the Toontrack site, as per step-by-step instructions outlined on the website, you will receive a confirmation email containing the authorization code. Type the code in your Toontrack product and click 'Authorize'.

You should receive a message telling you that your EZkeys product has been authorized successfully. Should the authorization process fail for whatever reason, please review the Authorization FAQ located at http://www.toontrack.com/support_portal.asp

If you are still unable to authorize your Toontrack product, please use the support contact link embedded into the FAQ, making sure to specify your serial number and your Computer ID.

3 - EZKEYS IN OPERATION

EZkeys can be used as a standalone instrument or loaded in your host program as a virtual instrument. The exact procedure on how to add EZkeys to your projects will depend on your host, so please refer to your host application operation manual for details.

In both cases, before you start, you should ensure that your system is configured for basic audio and MIDI playback (see 'Standalone operation' later in this manual, or your host application operation manual for details).

3.1 The Keyboard area

Upon first loading EZkeys in your host or the standalone version, you will be presented with the graphical interface (note: the exact visual representation of the keyboard will vary from one EZkeys product to the next).

At the top of the interface you will see the currently selected sound library loaded into memory. We recommend you wait until the red progress bar has stopped moving before playing the instrument. This should take no more than 10 to 30 seconds.

As you can see, the majority of the interface features a visual representation of the keyboard. Feel free to mouse-click on the keys to hear the sound they produce. Mouse-clicking the lower part of a key will preview the hardest hits, while clicking farther up on a key will trigger softer velocities.

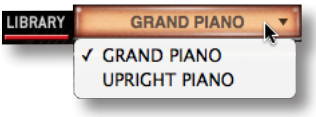
You will also notice that one or more pedals may also be represented. For example, the 'Grand Piano' pictured in the screenshot on the opposite page has three pedals available, from left to right: the una corda or 'Soft pedal', the 'Sostenuto', and the 'Sustain pedal'.

The Sustain pedal is the most frequently used pedal of the three. All notes played after the Sustain Pedal is depressed will ring out and sustain. The Sostenuto pedal on the other hand can be used to sustain some notes while leaving other notes unaffected. The notes that are held down at the time the Sostenuto pedal is depressed will sustain and ring. Finally, the Soft pedal, or una corda, essentially softens the timbre of the piano sound.

Moving on to the settings that affect the instrument's response and tuning, the Dynamic and Tuning 'control panels' on the left and right sides of the piano can be accessed behind the semi-transparent lids. To access the settings they provide, simply click on the lid. The Dynamic settings allow you to adjust the velocity curve of EZkeys to match your MIDI controller sensitivity and your own playing style (note that those settings affect all triggering of the sounds, including internal playback of MIDI). The Tuning settings allow for octave, semitone, and cent adjustments to the tuning of the instrument.

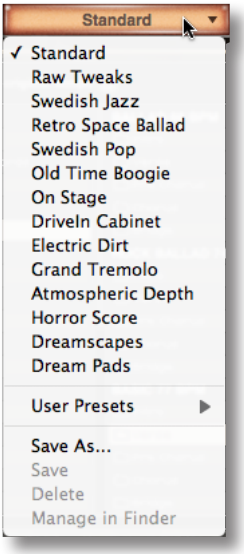
The lower part of the interface features the Song Track additional controls that will be introduced shorty, so do not worry about them for the time being.

3.2 Sound libraries and presets



As already mentioned, at the top of the EZkeys interface, the currently loaded sound library can be identified at a glance.

This feature is not only there as an indicator of the library currently loaded; it also acts as a library selector, allowing you to load any EZkeys library you have installed on your system. Click the library selector to reveal a drop down menu and make the desired selection.



To the right of the sound library selector you will also find the preset selector. This drop-down selector lists the presets available for the currently loaded sound library. Here you will be able to select factory presets, as well as save and recall your own unique presets based on adjustments of the provided set of presets.

Each preset gives you a different take on the sound library and, typically, offers 4 effects controls for you to create your own variations. Ambience, Compression, Detail, Presence, Reverb, and Tone are just some of the possible preset-dependent parameters available. Note that these controls can be automated in your host if desired (refer to your host manual for details).

3.3 The MIDI Browser

Clicking the 'Browser' button located in the Song Track section of EZkeys will reveal the EZkeys MIDI libraries. Here is where you can browse and audition the included MIDI files for drag and drop into the EZkeys Song Track or directly onto a MIDI track in your host application.

Finding a suitable MIDI file couldn't be simpler. Select a genre ('Pop/Rock' for example) and a style ('Straight 4/4'), and you will see the list of Songs and Song Sections available. Selecting a 'Verse' folder will then expand and display the MIDI variations available to audition for that song.

Single-clicking on a variation will reveal a small 'play' button and clicking on that 'play' button will begin playback of that particular MIDI file. A small, red, progress cursor will follow the playback of the file. Clicking the 'play' button again will stop playback.
You may also double-click a variation to play through it once.

From time to time you will come across a MIDI file that you like and want to keep handy. Simply drag the file from the Browser to the lower half of the 'Favorites' section on the left side of the Browser. Alternatively drag it on top of the 'My Favorites' folder.

You can create as many folders as you require to organize your Favorites, by Right PC clicking / Control MAC clicking the 'My Favorites' folder in the top part of the Favorites section and selecting 'Add Folder'.

Once you have more than one folder available, you can drag and drop any favorite from the Favorites file section at the bottom, or directly from the MIDI Browser, on top of any of the existing folders to organize them as you see appropriate.

In effect, the Favorites folder section represents your filing system, while the Favorites file section below reveals what is in each drawer, so to speak.

Of course, once added as a favorite, you can rename, delete, or even reveal the original file in the Browser at a later date, by Right PC clicking / Control MAC clicking it and selecting the appropriate option from the contextual menu.

Coming back to the MIDI Browser navigation, you will notice in the top right side, next to the Favorites section a set of arrow-shaped buttons.

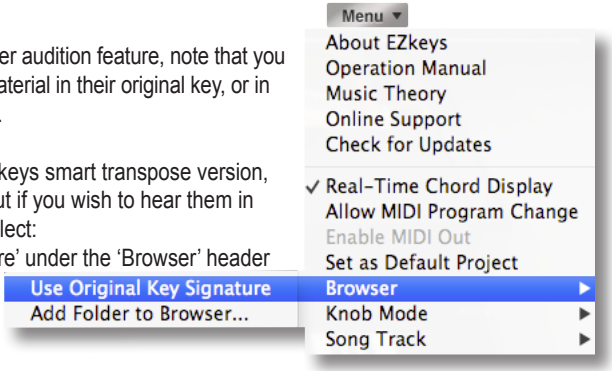
These buttons are for navigating the Browser History. By clicking the 'Back' button you can cycle though your previous selections. And of course, by clicking the 'Forward' button you will cycle forward again, after using the 'Back' button a couple of times.

When it comes to auditioning MIDI files in the Browser, the default is to play them back at the original tempo. If you would like to audition files at your host's current tempo (or the Song Track tempo in standalone mode), un-check the 'Preview in original tempo' box at the top of the Browser: 

To the right of the 'Preview in original tempo' box in the Browser you will also notice the 'Tempo multipliers'. These buttons allow you to audition files in 'half time' (1/2x) or 'double time' (2x). Clicking the '1x' button will reset the MIDI to its the normal tempo: 

Last to round the MIDI Browser audition feature, note that you may elect to hear the MIDI material in their original key, or in the key set in the Song Track.

The default is to hear the EZkeys smart transpose version, aligned to the Song Track, but if you wish to hear them in the original key signature, select:
'Play in Original Key Signature' under the 'Browser' header of the EZkeys Player Menu:



3.4 Song Track overview

At the bottom of EZkeys is the Song Track section. It is here that you can drag and drop files from the Browser and construct your song (at least the keyboard/piano parts). When dragging MIDI files from the Browser to the Song Track, EZkeys will analyze the MIDI and display the appropriate chord name for the newly created Song Block on the track.

Once a Song Block is imported to the track in this manner, left-clicking a chord name will bring up the Chord Selector, based on the circle of fifths. This is a powerful tool that will allow you to change the 'color' of the chord. For example, you can add a major '6th' or '7th' to the chord, invert it, or change the bass note. Any and all possibilities are available but we'll go into more details about this in a later section of this manual.

Editing tools are also offered via the menu on the left side of the Song Track: the Edit tool, the Split tool, and the Chord Notation tool. You may also add a basic chord in the key of the song by using the icon just above the tools.

Once you have adjusted and tweaked your Song Track to your liking, you can add any or all of it to the 'Favorites' section of the MIDI Browser. Select any number of song blocks (or the entire track) and drag them to the 'Favorites' section as described earlier.

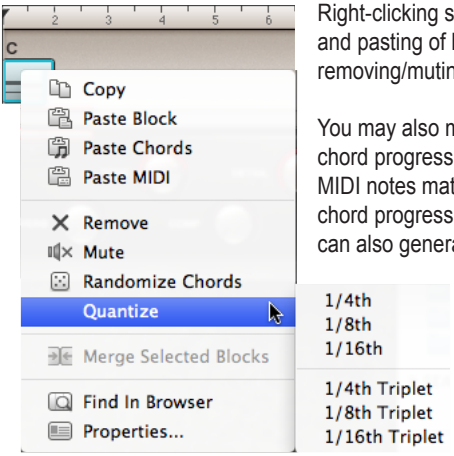
Below the Song Track timeline section are the Transport Controls. The basic 'Play' and 'Stop' as well as 'Loop' are available. Enabling 'Loop' will display a red loop area in the Song Track timeline. Drag the beginning and ending loop points in the timeline to delimit the looping area. Not that you may also right click the timeline to set the overall track length.

Below the Transport Controls is a section for adjusting the Key signature of the Song Track (key note and Major or Minor quality) as well as set the time signature and tempo. When using EZkeys in a host workstation rather than standalone mode, you can 'Follow Host' (active by default) for tempo and Song Track Play/Stop sync control. In standalone mode you also toggle the Metronome on and off (you will find more info about the metronome and other standalone operations later on in this manual).

Rounding off the Song Track section is the EZkeys volume Control. This controls the overall volume of the EZkeys output to the host workstation or the computer soundcard in standalone mode.

3.5 Songwriting tools in details

EZkeys songwriting capabilities are incredibly powerful, and while most of the features are intuitive and self-explanatory, there a number of workflow shortcuts and editing possibilities that you may want to know about before you start writing your next track. This will not only speed up the process but improve the end result!



Right-clicking song blocks will bring up a menu for copying and pasting of blocks, merging selected blocks, or removing/muting them in the Song Track.

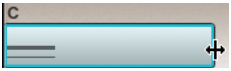
You may also modify the content of blocks by applying the chord progression copied from another block, or paste the MIDI notes material copied from elsewhere onto a different chord progression. If you feel in need of inspiration you can also generate a random chord progression to work of.

There are also rhythmical editing possibilities in the form of quantize options that may come in handy.

You may also at times find it convenient to expose the original parts in the Browser.

The 'Properties' panel is very useful for transposing parts, adjusting the octave, as well as the velocity to refine the performance. It is also possible to assign labels to the blocks, to help visualize the song structure.

As mentioned earlier it is also possible to create single chords in the song track, rather than dragging MIDI from the Browser or Favorites. By clicking the  button above the tool section, you can insert a song block at the location of the playhead. You may then extend it by dragging its right boundary:



This is a convenient alternative as you can then 'lock' the song block section and use it as a placeholder, and preview various options in context.

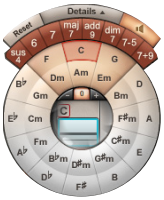
To do so, select the block and click 'Use Browser MIDI' above the Song Track. Any variation you select in the MIDI Browser from then on with take the place of that block, allowing you to find the best transition from one song section to the next.

Once you have found a MIDI variation that you would like to use for that section, simply click the 'Replace' button and the block will be populated by the MIDI phrasing last previewed.

3.6 The Chord Selector

If you have been educated in music theory, you will no doubt know that the circle of fifths is a pillar of modern music theory. It is designed to summarize the relationship between the 12 tones of the chromatic scale, the key signatures that derive from them, and the correspondence between major and minor chords.

The circle of fifths serves primarily as an aid for composing, transposing and harmonizing, and that is just how we use it in EZkeys. Thanks to the power of software however, our Chord Selector, based on the circle of fifths, provides smart transpose chord modifications and simplifies the process of applying chord types, as explained below.



The default song key in a new EZkeys project is C major. This key center is depicted at 12 o'clock in the Chord Selector and shows the parallel keys of C major and A minor with no sharps or flats. Moving clockwise to one o'clock, G major or E minor with one sharp, starts the journey of keys with sharps in them. Moving counter-clockwise to eleven o'clock, F major or D minor with one flat, starts the journey of keys with flats in them.

Without going into all of the theory behind the circle of fifths and the Chord Selector, it's important to note that the distance between each new step in the circle is the interval of a perfect fifth. Moving clockwise from 12 o'clock results in intervals of ascending fifths, and moving counter-clockwise from 12 o'clock results in intervals of descending fifths. This leads to a subset of six 'related' chords for Songs in the key chosen for the Song Track.

These are not necessarily the only chords you can use when writing a song based on a given key center, but they do represent those most commonly associated with the chosen tonal center. This is why the Chord Selector emphasizes these six chords in the shade of red that you can see in the picture presented above.

To repeat ourselves, in the default configuration of a song key of C major, the Chord Selector will feature the C maj chord at the apex, as in the picture shown above. It is important to note, however, that the Chord Selector will always present the key of the song at the apex of the circle. It is therefore important that you select the appropriate key for your composition on the Song Track before editing chords to maximize the usefulness of the Chord Selector.

If you feel uncertain about some of music theory discussed in this section, we recommend that you take a few minutes to read the 'Music Theory Basics' document included with this product. To access it, select the 'Music Theory' link from the Menu found in the top right part of the EZkeys interface. When you come back you should feel better equipped to understand the discussion that follows.

At this point, we recommend that you grab a Basic Chord such as:
(Single Chords) > Sustained Chords > Variation 1 from the MIDI Browser and drag it to the Song Track at this time, to help visualize the discussion.

Left-click the chord name to bring up the Chord Selector, featuring C maj at the top. From here you can change the chord from ‘C’ to any other chord you’d like, keeping in mind that the related chords are directly adjacent to it. Change the chord to ‘Am’ (A minor). Go ahead, you should hear the new chord played back to you instantly. OK, set it back to ‘C’ to continue with this walkthrough.

Above the Chord Circle, you will notice a surrounding panel of buttons displaying an array of chord types (sus4, 6, 7, maj7, add9, etc - most are called chord extensions, although that terminology does not apply to all of them).

These buttons allow you to adjust the selected chord and add ‘color’ to it, by applying note additions or replacements. Click on the ‘7’ to hear your ‘C’ chord play back as a ‘C7’ chord. Click some of the other buttons to hear other chord types.

Adjustments to the chord type on the note level can be performed by accessing the ‘Details’ panel at the very top of the Chord Selector. The ‘Details’ panel shows all note extensions available for any chord, including bass note for creating slash chords and inversion for alternative note layering.

Note how the currently selected chord voices are highlighted. You even have the options of flattening or sharpening the 5th, by click-holding the ‘5’ until the ‘5th’ selection menu pops up to adjust the ‘5th’ note up or down a half step. The ‘9’ and ‘11’ can be adjusted in a similar fashion.

Getting back to our ‘C’ chord example, you will see that the ‘3’ and ‘5’ chord voices are highlighted initially, when no type has been applied. This shows that the ‘C’ chord currently plays back with the 3rd and the 5th voices of the chord (in addition to the ‘C’ root note). Click on the ‘3’ to deselect it and you will then hear the ‘C’ chord played without the 3rd, i.e a power chord. Click it again to reactivate the 3rd.

Lastly, as already stated, with the help of the chord type ‘Details’ panel, you can alter the bass note for the chord, by click-holding the bass note button (in this instance the ‘C’ button, marking the root note of the unaltered chord). Additionally, changing the inversion alters the chord voicing, offering interesting tonal alternatives.

In conclusion, all these options allow for total flexibility in chord voicing. You may feel that your simple ‘C’ chord is a bit too simple for your arrangement and, with a few clicks in the Chord Selector ‘Details’ panel, you can change your ‘C’ chord to a ‘Cmaj9’ chord effortlessly. If you find, at any time, that you’ve gone overboard on your selections, click the ‘Reset’ button to return the chord to its original voicing.

3.7 Using other Sound Generators

EZkeys include a MIDI Out function whereby it is possible to route the MIDI signal to your Digital Audio Workstation (DAW) in order to trigger the sounds from another virtual instrument, a sample based piano for example (or any type of sound generator fo that matter).

Using this function you can use EZkeys' powerful writing tools and try diffefent sound palettes on your arrangement, on-the-fly, without the need to drag the MIDI blocks to your host after each tweak.

To direct the MIDI information out of EZkeys, simply select the 'Enable MIDI Out' entry in the Menu in the top right hand side corner of the User Interface 

Once that is done, you will need to route the signal to Your Favorite Sound Generator, or YFSG for short. Please review the 'MIDI Out Overview' section of this manual for additional information.

Note that the 'MIDI Out' function is only available in select hosts and is not available in Standalone operation and as a result the 'Enable MIDI Out' entry pictured above will be greyed out in those scenarios.

3.8 Standalone operation

In addition to using EZkeys in your host workstation, it is also possible, and in some cases preferable, to use EZkeys in standalone mode. If you want to just sit down at your keyboard and start playing without the desire to record your performance, firing up the EZkeys standalone application is a straightforward and non-intrusive solution. Using EZkeys Standalone you can also build simple song ideas using the Song Track, then export them to your desktop (or add them to the Favorites) by drag and drop.

At the time of installation, EZkeys will have installed the standalone version and provide a desktop shortcut (on Mac, you will find EZkeys Standalone among your Applications, as is standard for the platform, feel free to add it to the dock if you wish!). Double-click the EZkeys application to launch EZkeys in standalone mode.

Before you can trigger the sounds from your MIDI controller, you will need to adjust the MIDI input and Audio playback devices via the application's Audio/MIDI Setup Menu.

Click Settings > Audio/MIDI Setup to access the Audio and MIDI setup menu. Note that only ASIO(PC) and Core Audio(Mac) interfaces will guarantee optimum performances for low latency real-time triggering.

Select your preferred sound card by selecting it in the Device Type drop-down menu. Select the proper Device driver from the menu below. On PC, you will also have access to your ASIO Control Panel to select the Buffer size. On Mac, or, if you are not using an ASIO device, you can select the Buffer size in the drop-down menu below the Device selection menu.

The Out Channels section of the Audio Device menu in Settings > Audio/MIDI Setup will list all available physical OUTs published by the Audio device and allow them to be selected. Select the appropriate Output channels for audio playback.

Under the MIDI Device menu you will see a list of all MIDI devices currently connected to your system. The list will include USB MIDI and 5-Pin DIN plug MIDI devices accessed through MIDI interfaces connected to your computer. Select the MIDI device you wish to use now.

Once you've made your Audio Sound Card, Output Channels, and MIDI Device selections, click the 'Apply' button.

Next, EZkeys Standalone also provides for access to the built-in Metronome that you may want to make use of. It can be accessed via the Settings > Metronome Settings menu. In this menu you can toggle the Metronome on and off (CTRL-T) and control the volume of the Metronome as well as choose the 'click' sounds it triggers from this menu. There are a variety of 'click' sounds to choose from…woodblock, cowbell, tambourine, stick clicks, etc.

4 MIDI Out Overview

A- Setting up Ableton Live

EZkeys MIDI Out function requires Ableton Live version 6 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

- Open the Live Plug-in Device Browser
- Drag EZkeys to a MIDI track or the Device Drop area

2) Setting up:

- Create a MIDI track with YFSG instantiated on
- Set its 'MIDI from' Input type to the MIDI track where you have dropped EZkeys
- Set the Input channel to 'EZkeys'
- Record-arm the MIDI track with YFSG
- In EZkeys, press Play

B- Setting up Apple GarageBand

EZkeys MIDI Out function requires GarageBand version 4 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

• Insert EZkeys as an 'Instrument Generator' on a track

2) Setting up:

• Create a Software Instrument Track with YFSG instantiated on
• In EZkeys, press Play
• Record-arm the Instrument Track YFSG is inserted on by clicking on it

C- Setting up Apple Logic

EZkeys MIDI Out function requires Logic version 7 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

• Insert EZkeys on an Audio Instrument track

2) Setting up:

• Insert YFSG on an Audio Instrument track

At this point you will be able to drive YFSG with EZkeys but you will also trigger any MIDI instrument that you happen to record-arm. You therefore need to perform the following for additional flexibility:

• Open the Logic Environment
• Copy paste YFSG Instrument track to the 'Click and Ports' layer
• Still in the 'Click and Ports' layer, create a 'Channel Splitter' object
• Connect the EZkeys entry of the 'Physical Input' to the Channel Splitter
• Connect Ch1 of the 'Channel Splitter' to the Instrument track with YFSG on
(the other channels can be used for additional sound sources you wish to drive)
• In EZkeys, press Play

D- Setting up Cakewalk Sonar

EZkeys MIDI Out function requires Sonar version 8 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

- Open the Synth Rack and insert EZkeys as a VST
- Make sure you select the 'First Synth Output' option
- Still in the Property box enable MIDI Output

2) Setting up:

- Insert YFSG, complete with Audio Outputs and Source MIDI track
- Set the Input of the MIDI track assigned to YFSG to EZkeys
- Ensure that Input Echo Monitoring is enabled as appropriate
- In EZkeys, press Play

E- Setting up Cockos Reaper

EZkeys MIDI Out function requires Reaper version 3 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Configuring Reaper:

• Go to Reaper's Options > Preferences > Audio > Playback tab and make sure that 'Run FX when stopped' is enabled.

2) Inserting the plug-in:

• Open the Reaper's FX Browser (click on Track FX icon).
• Click on VSTi tab and drag EZkeys to the track FX icon.

3) Setting up:

• Drag YFSG to the same track FX icon (it should always be after EZkeys in the FX chain)
• In EZkeys, press Play

F- Setting up Digidesign ProTools

EZkeys MIDI Out function requires Pro Tools version 8 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in Pro Tools and that you have a copy of YFSG (Your Favourite Sound Generator) configured for Audio and MIDI playback.

1) Inserting the plug-in:

• Insert EZkeys on a Mono Instrument Track

2) Setting up:

• Create an Instrument Track with YFSG instantiated on
• Enable the 'Instruments' section view (lower left corner of the mixer window)
• At the top of the Pro Tools mixer, access the MIDI I/O for the Instrument Tracks
• Set the MIDI Input of your YFSG Instrument Track to 'EZkeys'
• Record-arm the Instrument Track YFSG is inserted on
• In EZkeys, press Play

G- Setting up Image-Line Fruity Loops

EZkeys MIDI Out function requires Fruity Loops version 8 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

• Go to 'CHANNELS', 'Add one…' and select EZkeys in the list

2) Setting up:

• Go to 'CHANNELS', 'Add one…' and select YFSG in the list
• Make sure the 'Show MIDI input port' is selected in the plugin window menu
• Set the port number in the upper right corner of the YFSG plugin window to e.g. '10'
• In the EZkeys plugin window, make sure the 'Show MIDI output port' is selected and set the output port to the same port number as YFSG
• In EZkeys, press Play

H- Setting up Mackie Traktion

EZkeys MIDI Out function requires Traktion version 3 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

• insert EZkeys as a filter on a new track

2) Setting up:

• Insert YFSG as a new filter on a separate track
• Select the EZkeys track and change its properties so the destination output is the track where you inserted YFSG
• In EZkeys, press Play

I- Setting up Magix Samplitude

EZkeys MIDI Out function requires Samplitude version 9 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

• Add EZkeys as a 'Multi-Channel' VSTi capble of sending MIDI
• In the plug-in window, select the 'MIDI Out' option from the Plug-in menu

2) Setting up:

• Add YFSG as a VSTi to the project
• Add a MIDI track to the project
• In the MIDI options for the track, choose 'VST MIDI Out - recording'
• In EZkeys, press Play

J- Setting up MOTU Digital Performer

EZkeys MIDI Out function requires Digital Performer version 6 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

• Add an Instrument track with EZkeys instantiated on to the Project

2) Setting up:

• Add an Instrument track with YFSG instantiated on to the project
• Add a MIDI track to the project
• Set the Output of the MIDI track to YFSG
• Record-arm the MIDI track with YFSG
• In EZkeys, press Play

K- Setting up Sony Acid

EZkeys MIDI Out function requires Sony Acid 7 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

- In the Acid Mixer choose 'Insert Soft Synth'
- Choose EZkeys in the list

2) Setting up:

- Insert YFSG in the project as described above
- Create a MIDI track and set the Output to YFSG
- Set the Input of this MIDI track to EZkeys
- In EZkeys, press Play

L- Setting up Steinberg Cubase/Nuendo

EZkeys MIDI Out function requires Cubase 4 or later.

Before you start, you should make sure that you are familiar with how to operate Virtual Instruments in your host and that you have a copy of YFSG configured for Audio and MIDI playback.

1) Inserting the plug-in:

• Open Devices > VST Instruments and insert EZkeys

2) Setting up:

• Insert YFSG in the project as described above
• Create a MIDI track and set the Output to YFSG
• Set the Input of this MIDI track to EZkeys
• In EZkeys, press Play