

Mu Technologies

p r e s e n t s

Mu Voice -Installation Guide-

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Taking you to the edge of vocal processing ...

A. Manual Install

Although there are installers provided for both Mac (section B) and Windows (section C) some people still prefer manual installation. If you prefer using an installer go to sections B or C right away.

A.1 Manual Install on Mac

A plug-in on Mac is a bundle that is stored in specific plug-in folders. All Mu Technologies plug-ins support the three main Mac formats which are Audio Units (AU), Virtual Studio Technology (VST) and Real-Time Audio Suite (RTAS).

VST

VST is the plug-in standard by Steinberg and is used by many hosts such as Cubase, Ableton Live, Sonar and Bias Peak. The plug-in has the extension **“.vst”** and is installed by copying it to

/Library/Audio/Plug-ins/VST

AU

The Audio Unit standard was developed by Apple and is supported by Logic Pro, Mainstage, Digital Performer and many others. The plug-in has the extension **“.component”** and is installed by copying it to

/Library/Audio/Plug-ins/Components

RTAS

RTAS is a proprietary format by Digidesign and is used exclusively in Pro Tools. The plug-in has the extension **“.dpm”** and is installed by copying it to

/Library/Application Support/Digidesign/Plug-Ins/

Application Data

Mu Voice uses two data files called **“W.dat”** and **“Y.dat”**. The default Mac location that the plug-in uses to store this data is

/Library/Application Support/Mu Technologies/Mu Voice/

This is also the location where the installer puts the user manual.

A.2 Manual Install on Windows

A plug-in in Windows is a Dynamically Linked Library (DLL). Contrary to Mac there is no fixed location for plug-ins and each host has its own plug-in folder. All Mu Technologies plug-ins support the two main Windows formats which are Virtual Studio Technology (VST) and Real-time audio suite (RTAS).

VST

VST is the plug-in standard by Steinberg and is used by many hosts such as Cubase, Ableton Live, Sonar and Bias Peak. The plug-in has the standard **“.dll”** extension and is installed by copying it to the plug-in folder of the host which can be for instance

C:\Program Files\Steinberg\Cubase\VstPlugins

RTAS

RTAS is a proprietary format by Digidesign and is used exclusively in Pro Tools. The plug-in requires two files, one with the extension **“.dpm”** and one with the extension **“.dpm.rsr”**. The plug-in is installed by copying both files to the directory

C:\Program Files\Common Files\Digidesign\DAE\Plug-Ins

Application Data

Mu Voice uses two data files called **“W.dat”** and **“Y.dat”**. The default Windows location that the plug-in uses to store this data is

C:\Program Files\Mu Technologies\Mu Voice

This is also the location where the installer puts the user manual.

A.3 Uninstalling

Uninstalling the plug-ins simply means that the Mac bundles or Windows libraries are deleted.

B. The Mac Installer

The Mac Installer puts each plug-in format in the correct directory.

B.1 Before you Start

Make sure that the following tasks are carried out before running the installer:

1. Install a recent version of the Interlok drivers. They are required when using iLok and can be found in the `/driver` directory of your Mu Voice CD or online at

<http://www.paceap.com/download.html>

2. Download “Mac OSX Extensions” or “Mac OS9 Extensions” and install.
Remove all prior installations of Mu Voice. Check the directories

`/Library/Audio/Plug-ins/Components/
/Library/Audio/Plug-ins/VST/
/Library/Application Support/Digidesign/Plug-ins/`

and remove all files with the name “MuVoice...”.

B.2 Running the Installer Step by Step

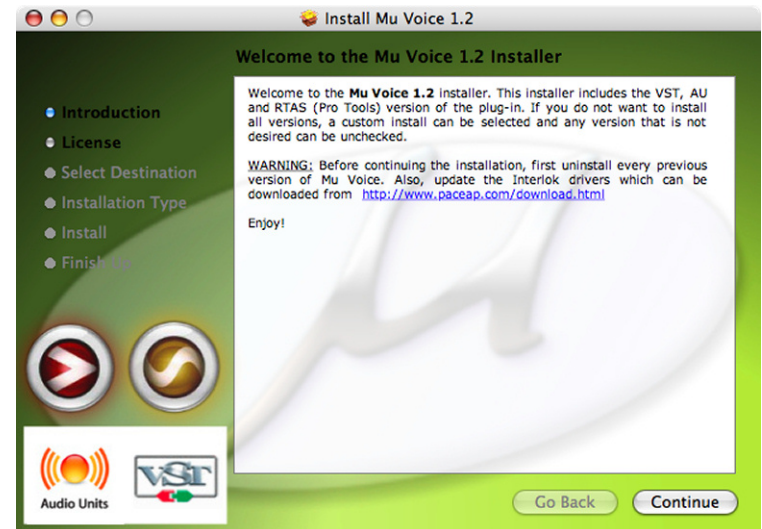
Double click the “.mpkg” installer and follow these instructions:

1. Press the “Continue” button on the Welcome screen [A].
2. Press the “Continue” button on the License screen and agree with the end user license agreement [B].
3. Select a destination drive and press “Continue” [C].
4. If you want to install or upgrade all formats press “Install” / “Upgrade”. If you only want to use a specific format press the “Customize” button [D].
5. Select the formats that you need and press “Install” / “Upgrade” [E].
6. Installation completed [F]!

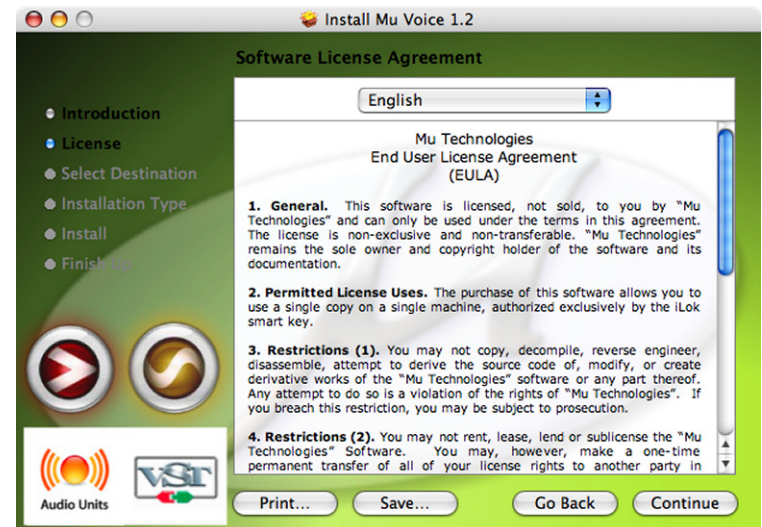
The manual is now installed in the directory

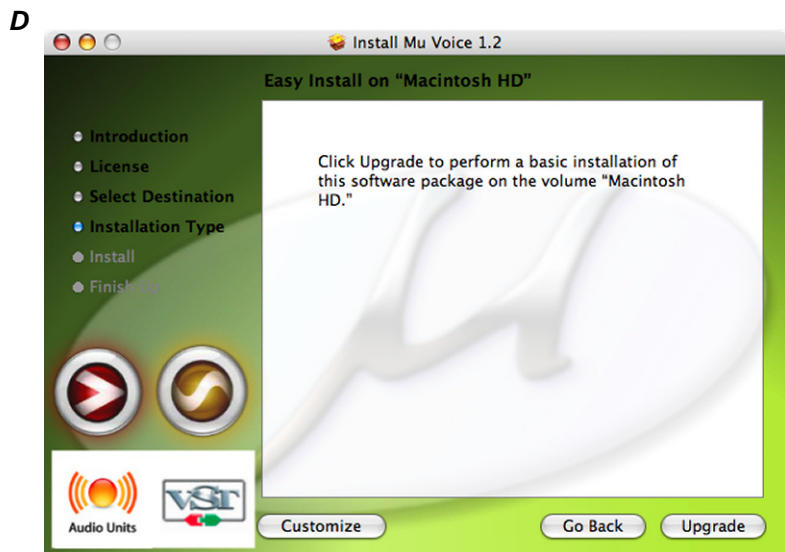
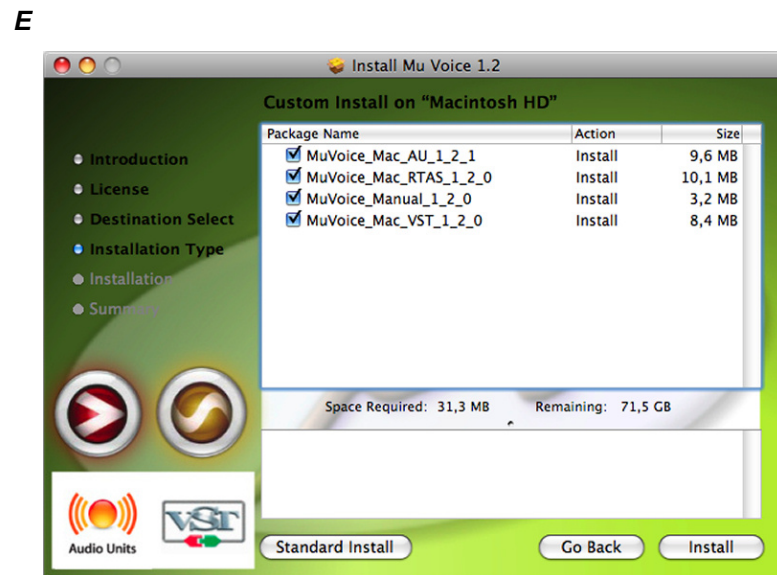
`/Library/Application Support/Mu Technologies/`

A



B





C. The Windows Installer

The Mu Voice Installer allows you to install and manage several instances of the plug-in. Many users have different hosts in which plug-ins are used.

1. **First Installation:** When running for the installer the first time, the plug-in (both VST and RTAS) is installed in the default folder of a number of common hosts like Pro Tools, Cubase, Sonar, FL Studio, ...
2. **Custom Installations:** When the setup is run again, additional VST and RTAS versions can be installed to a custom folder.

C.1 Before you Start

Make sure that the following tasks are carried out before running the installer

1. Install a recent version of the Interlok drivers. They are required when using iLok and can be found in the */driver* directory of your Mu Voice CD or online at

<http://www.paceap.com/download.html>

Download "Windows 32 bit drivers" or "Windows 64 bit drivers", and install.

2. Remove all prior installations of Mu Voice. If previous versions of Mu Voice are installed on your system, uninstall these first (see section C.4). If there were manual installations of the plug-in remove the Mu Voice DLLs before running the installer.

C.2 Running a First Installation Step by Step

Double click the executable and follow these instructions:

1. Press the "Next" button on the Welcome screen [A].
2. Agree with the End User License Agreement and press "Next" [B].
3. Select a destination folder for the manual and press "Next" [C].
4. Select a Custom Setup and press "Next" [D].
5. A list is given of all hosts for which the default plug-in folder is detected. For each host that is selected the plug-in will be installed. Exclude the "Custom VST" and "Custom Pro Tools" option and press "Next" to complete the installation [E].

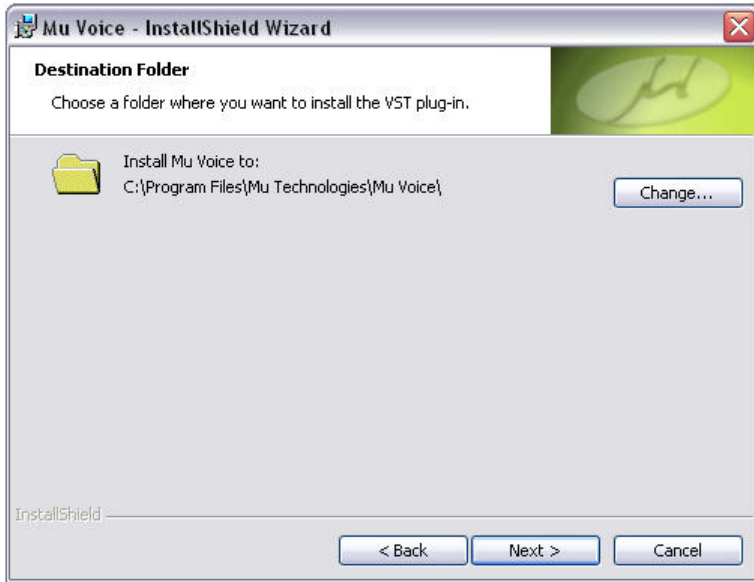
A



B



C



E



D



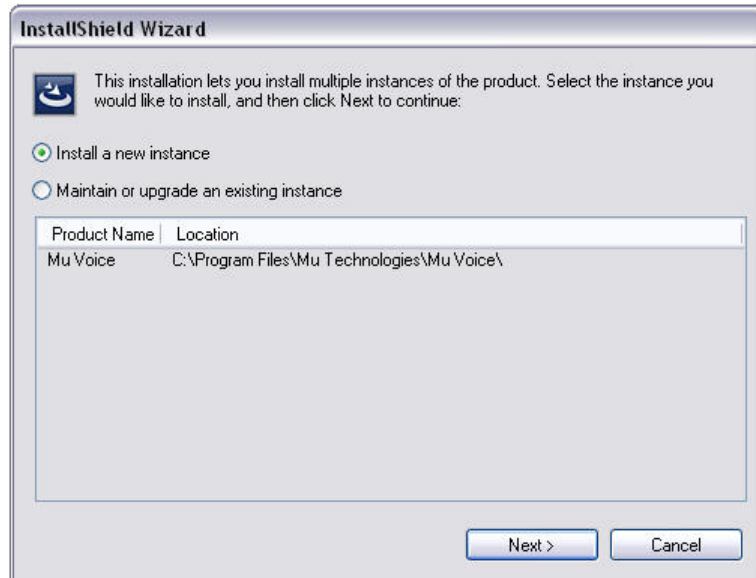
C.3 Adding a Custom Installation

When the installer is run a second time, additional instances can be added. These instances are named “Custom Install 1”, “Custom Install 2”, ... The installer allows up to 5 custom installations. Select the option “Install a new instance”, and press “Next” [F].

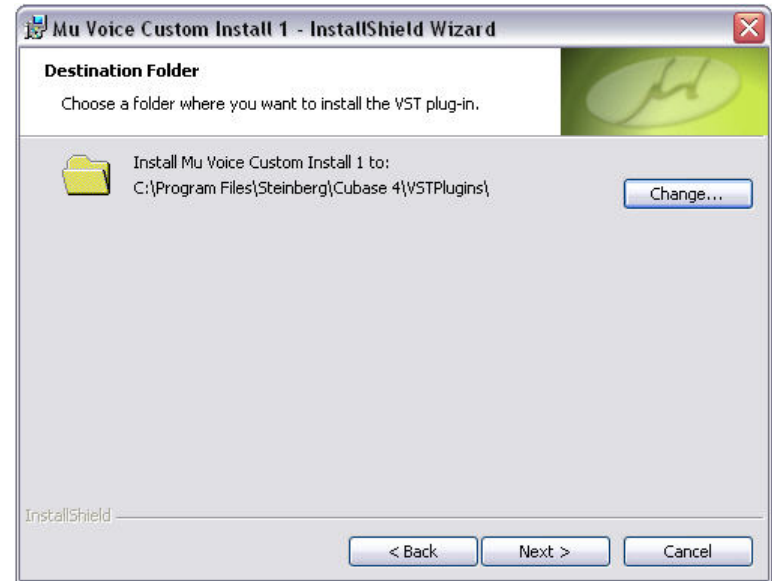
In this example, an additional VST plug-in is installed for Cubase 4. Therefore, the appropriate VST folder is selected [G].

To install a VST version, enable the “Custom VST” option and disable the “Custom Pro Tools” and “Manual” options. The installation is completed by pressing “Next” [H].

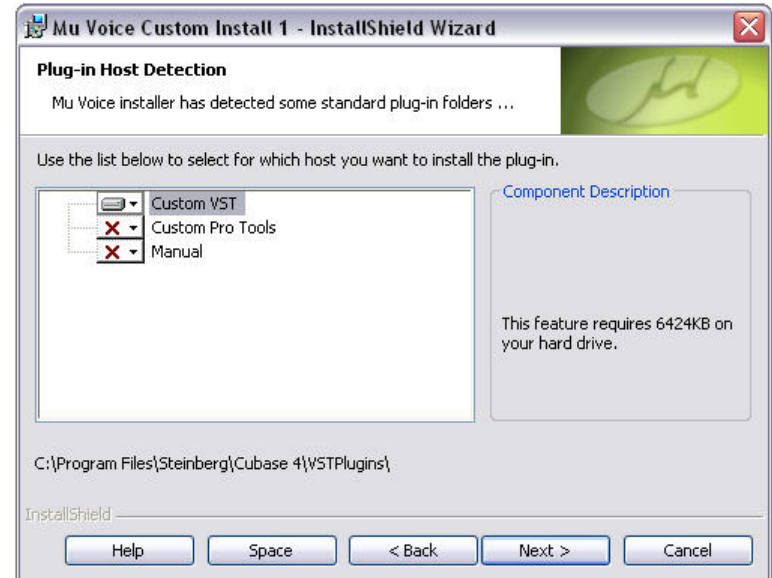
F



G



H



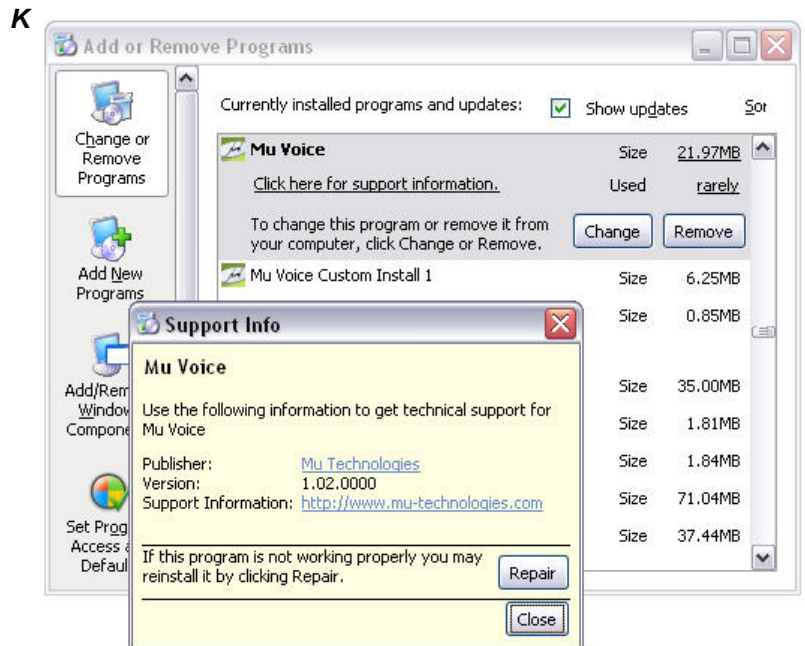
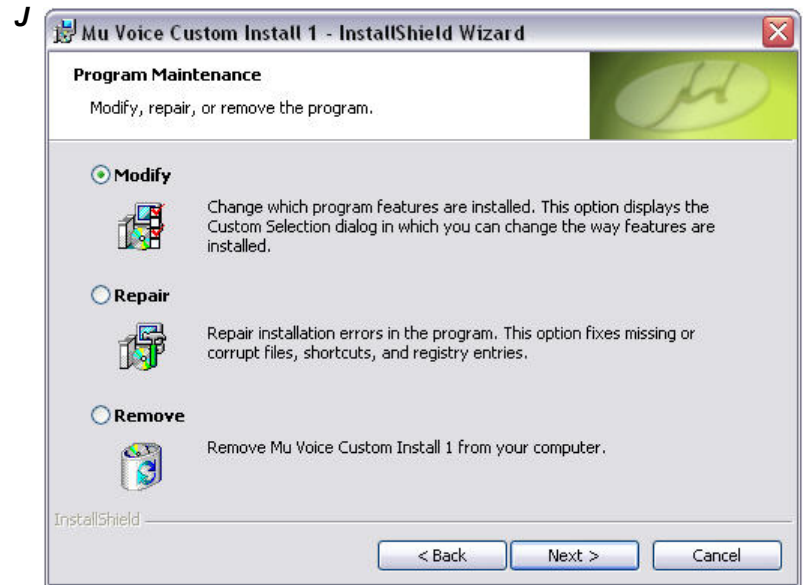
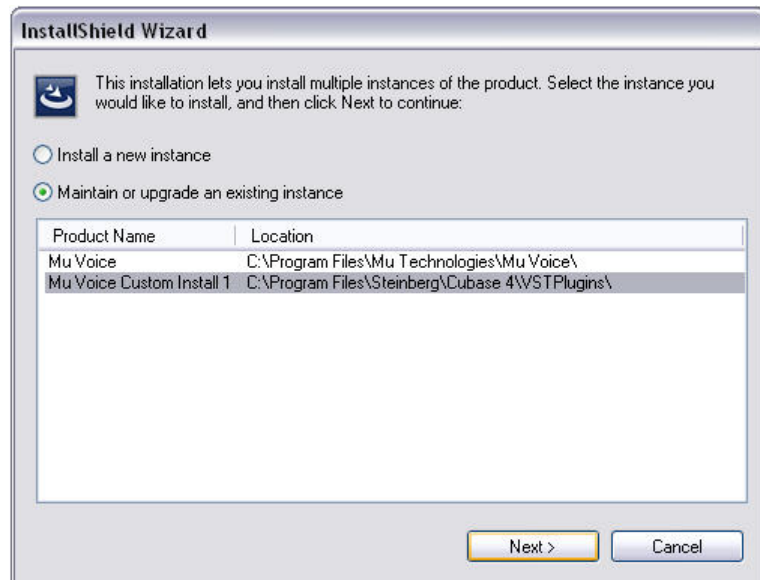
C.4 Modifying or Removing an Instance

An instance is modified or removed by running the installer again. Select the option “Maintain or upgrade an existing instance” and select an instance from the list [I]. Press “Next” to continue.

To modify the installation, select “Modify” and click “Next” [J].

To remove a prior installation, select “Remove” and press “Next” [J].

An alternative to modify an installation is to select “Add or Remove Programs” from the Windows Control Panel. Select “Mu Voice” or one of the custom installations from the list and click the “Change” or “Remove” button [K].



D. Troubleshooting

Nothing is more annoying than having paid for a plug-in that does not appear in your host after installation. We give an overview of the most common problems and their solutions.

D.1 Do you have recent iLok drivers installed?

First you need to make sure that your computer can communicate with the iLok USB dongle. The driver can be downloaded from the website of PACE anti piracy, which is the manufacturer of the iLoks at:

www.paceap.com/download.html



Problems can also occur when the drivers are out of date. In this case you typically get a message like “**Updated TPkd driver required.**”.

D.2 Is the license on your iLok?

When you have purchased a Mu Voice box with an iLok included, you can be sure that the license is already on the iLok. If you have purchased a version that comes with a serial number you need to

1. Create an account at iLok.com or use your existing account.
2. Register the serial number and the iLok.com user ID at www.mu-technologies.com/authorize/ after which a license will be deposited on your iLok.com account.
3. Log into your iLok.com account and do “Synchronize” to transfer the license from the server to the USB dongle.

D.3 Has the host disabled the plug-in?

Many hosts have a system for managing plug-ins and they do not like it when a plug-in fails to open. This might occur when there is no valid license or when the iLok USB dongle is not inserted. Some hosts mark it as “invalid” or “unloadable” and exclude it from the menus for inserting plug-ins. **Therefore it might look like there is an installation problem but this is not the case!**

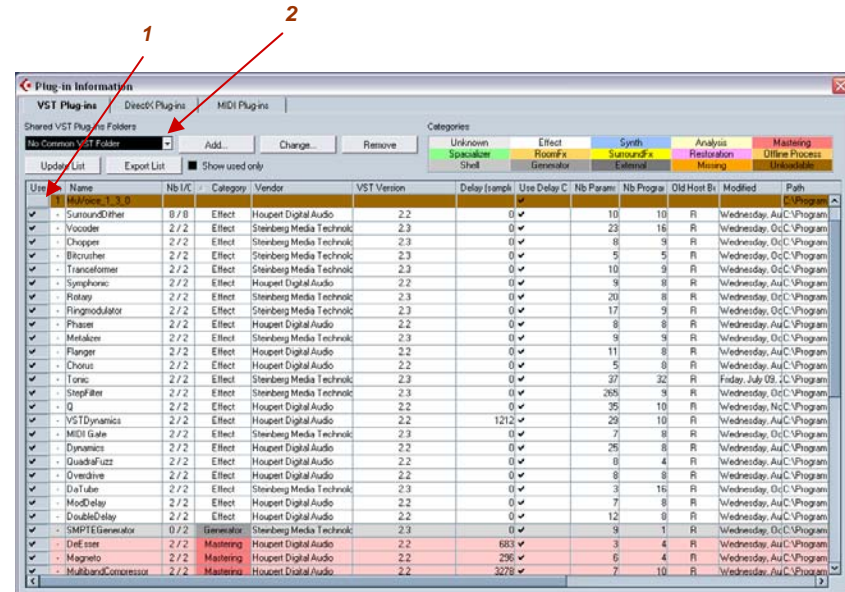
Pro Tools (RTAS), Digital Performer (AU) and Ableton Live (VST) always list all plug-ins but Cubase (VST), Sonar (VST) and Logic Pro (AU), exclude plug-ins that fail. The problem is that when you insert the iLok, this is not detected right away and sometimes the plug-in stays excluded when rebooting the host or even your computer. Forcing the host to reload the plug requires specific action which we will explain for some of the common hosts.

Cubase Plug-in Information (Cubase 3)

When you select **Devices->Plug-In Information** from the program menu, you get an overview of all plug-ins on your system (see Figure L). When you start Cubase without a licensed iLok, the plug-in appears as “Unloadable”. This is shown on the first line in the brown color.

To force Cubase to reload the plug-in you need to click on the “Use” checkbox which is the first column in the table (Figure L-1). When checked, the plug appears in the plug-in list that is given when selecting an insert. When selected, Cubase will attempt to reload the plug-in. If it succeeds the plug-in is no longer marked as “Unloadable”.

L



Cubase Plug-in Information (Cubase 4 and later)

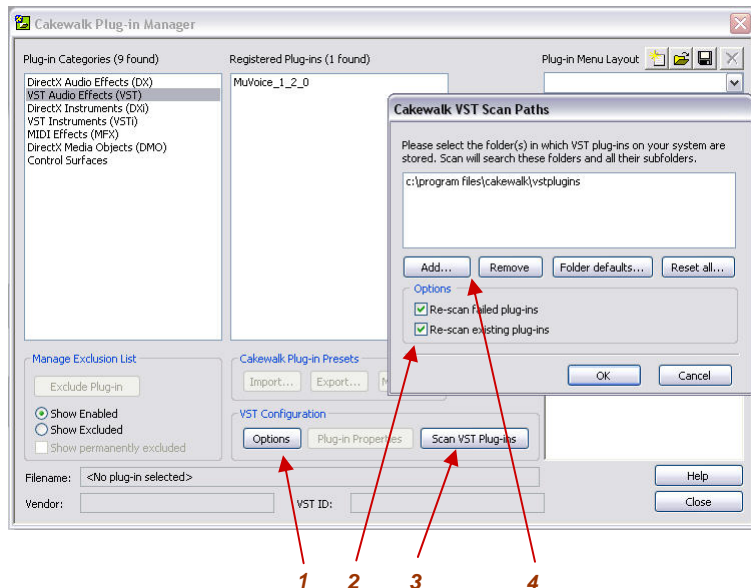
In Cubase 4 and later versions, the Plug-in Information window is updated. When the authorization of a plug-in fails it is excluded from the list. When clicking the refresh button, Cubase will make another attempt to load the plug-in in the VST directory.

Sonar Plug-in Manager

In Sonar, plug-ins are managed by the **Plug-In Manager** which can be found under **Tools** in the program menu. If loading the plug-in without the iLok fails, it cannot be selected to be inserted on a track. When inserting the iLok the plug-ins must be re-scanned (see Figure M). This is carried out by:

1. Clicking the “Options”-button.
2. Clicking both checkboxes and confirm with “OK”.
3. Press the “Scan VST Plug-ins”-button.

M

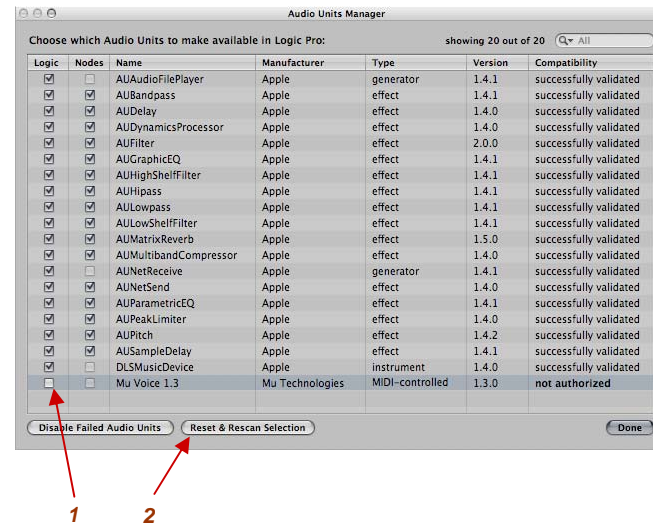


Logic Pro Audio Units Manager

The **Audio Units Manager** is opened from the **Preferences** menu and lists all available AU's. The first column with the header “Logic” indicates if a plug-in will appear in the AU selection menu. Plug-ins that fail are unchecked. When clicking the checkbox (1), the plug-in will be reloaded. The plug-in can also be rescanned by selecting it in the list and pressing the “Reset & Rescan Selection”-button.

Rescanning a plug-in with an inserted iLok can yield an “unable to update properties”-error. If this occurs, you should quit Logic, restart it with a licensed iLok inserted and try again.

N



D.4 Is the plug-in in the plug-in folder?

One of the main differences between Mac and Windows is that on Mac plug-ins are stored in predefined locations. Windows hosts typically have a plug-in folder that is often configurable. Both the plug-in manager in Sonar (Figure M-4) and the plug-in information display in Cubase (Figure L-2) allow adding and removing plug-in folders.

D.5 Do you have the latest version?

Release after release bugs are fixed and features are extended. To get the latest version, you can use the update page at

www.mu-technologies.com/update

Users that have registered their serial number are added to the user database that allows them to use the update page automatically.

Users that have purchased a box with an iLok included should first register at

www.mu-technologies.com/register

E. Get Started

When purchasing a new plug-in you want to give it a try as soon as possible. A quick way to see Mu Voice in action is to check out the audio demo. All files needed are found in the **demo/** directory on your CD or in the **demo1/** directory of your installation directory which is at

/Library/Application Support/Mu Technologies/
or
C:/Program Files/Mu Technologies/

To run the demo, do the following:

1. Create 2 audio channels in your host.
2. Import **toodiff_vocals.mp3** to the first channel with the start at 0:00.
3. Import **toodiff_music.mp3** to the second with the start at 0:00.
4. Load the plug-in as an insert on the first channel.
5. Open the plug-in editor.
6. Press the “Open”-button and select **tooDiff.xml**.
7. Hit “Play” and see Mu Voice at work in full automation.

You can find each step in Figure O.

F. Get Educated

The user manual is a great way to learn more about Mu Voice. But having someone showing it to you is even better. You can download video tutorials at

<http://www.mu-technologies.com/download/>

-Tutorial 1, Tuner and FX (06:14): This tutorial explains how the tuner and the controls on the channel strips are used. During the last few minutes, we just play the audio and demonstrate everything in real-time.

Tutorial 2, Chord, Preset, Scheme (05:21): This tutorial shows how to select chords, create presets, and combine both in the chord scheme. The chord scheme is sequenced by the host in read mode and is fully automated when going to read mode.

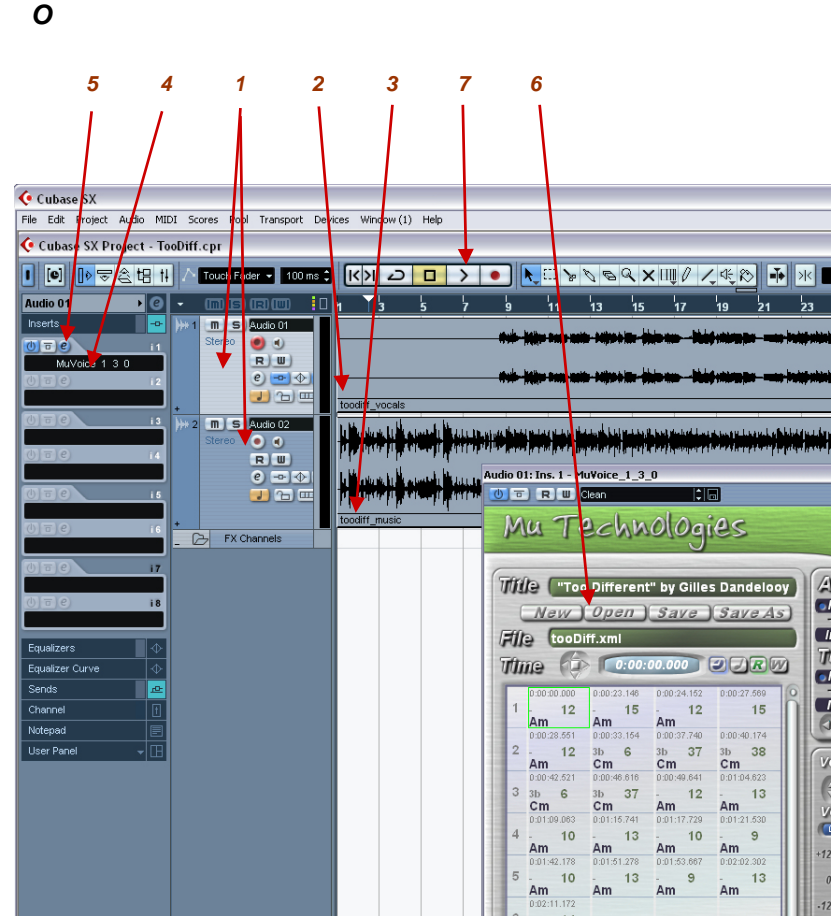
-Tutorial 3, MIDI Controls (05:21): MIDI controls can be convenient for studio use but to perform live they are a must. The tutorial shows how to select chords and presets from your keyboard.

-Tutorial 4, Setup in Ableton Live (02:02): Having a plug with low latency is great but, in order to take advantage of it, you need to optimize your host configuration. This tutorial shows how to set the preferences of Ableton Live,

-Live Demo 1 (00:49): First public live performance at Music Messe.

-Live Demo 2 (02:38): Performing in Ableton Live.

-Live Demo 3 (01:00): Bloopers! Still fun when it goes wrong.



Thank you for choosing Mu!