



十速科技股份有限公司
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**Advance
Information**

TP6806 Image Viewer UI Editor for MAC User Manual

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Preliminary

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1. How to change language interface and rearrange the User Interface of ImageViewer?

1.1 modify Language Interface

ImageViewer is a package program for mac operating system. It contains a lot of message in the package. When you click mouse right button on the ImageViewer, the popup menu shows. Like figure 1-1 shows, select "Show Package Contents" item. You will see a folder appear, which likes Figure 1-2 show.

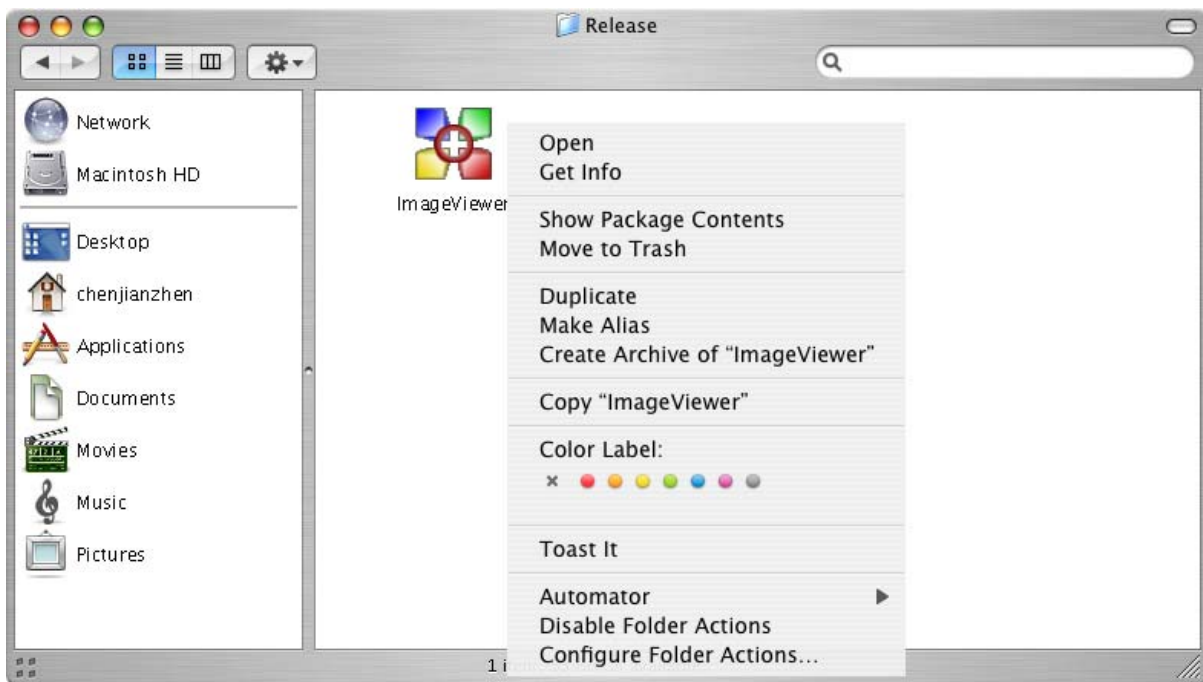


Figure 1-1 Popup menu

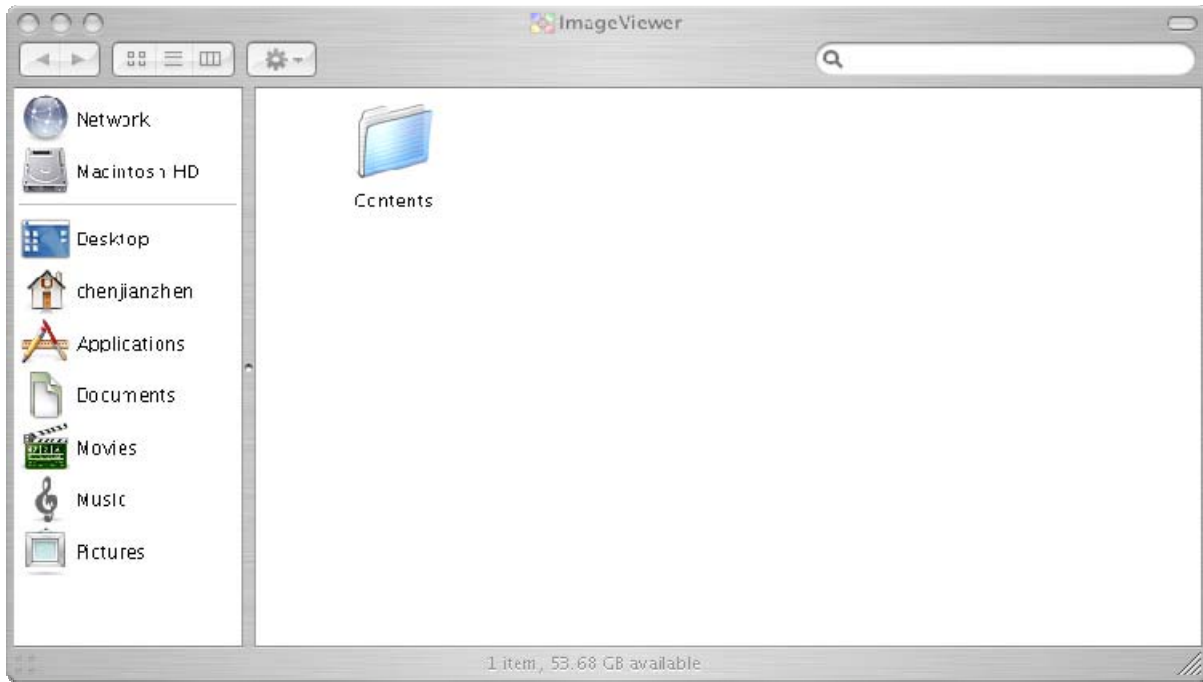


Figure 1-2 Imageviewer folder

After you open the "Contents" folder, you will see there are five items in the folder. They are PkgInfo, MacOS, Resources, Resources Disabled and Info.plist. It just likes Figure 1-3 shows.

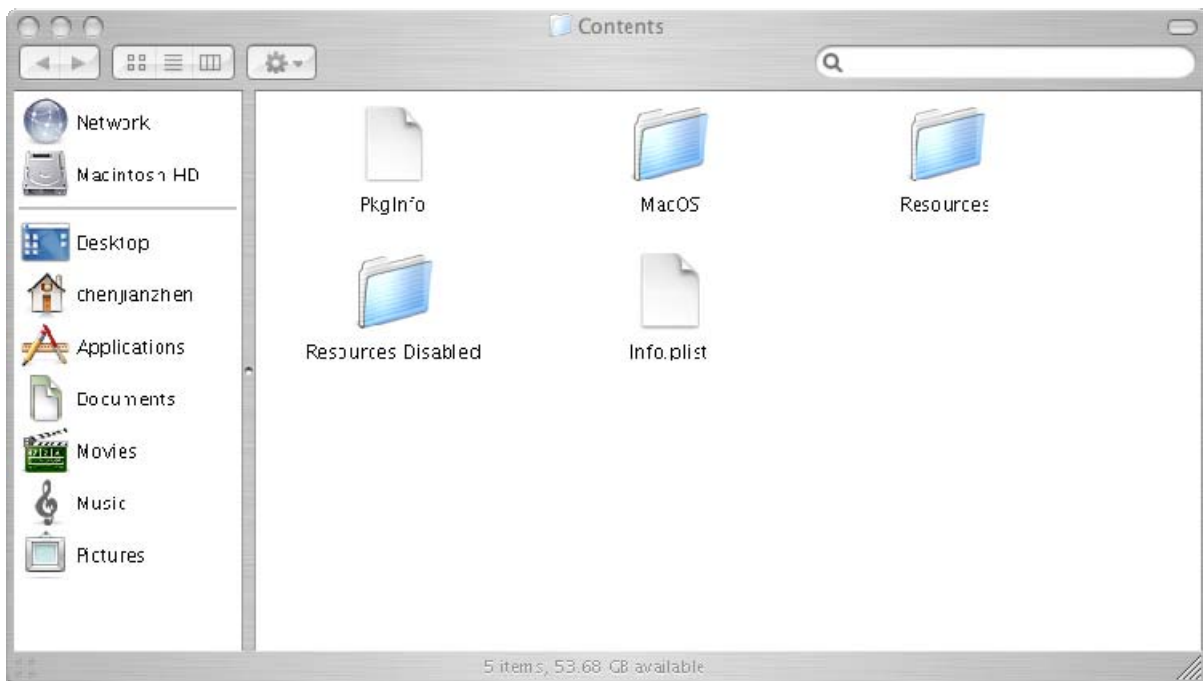


Figure 1-3 Contents of Contents folder

If you open Resources folder, you will find there are three folders and a file. They are service_binary, English.lproj, zh_CN.lproj, and zh_TW.lproj. English.lproj means the English user interface. zh_CN.lproj means the simplified Chinese user interface. zh_TW.lproj means the traditional Chinese user interface. If you want to keep just one language user interface, please remove other two languages user interface folder. You can move other two folders into Resources Disable folder, or move them into trash can. The other way to move other two languages into Resources Disabled folder is click mouse right button; you will see "Get Info". Click it, you will see a window appear, which title is ImageViewer Info, like Figure 1-4 shows.

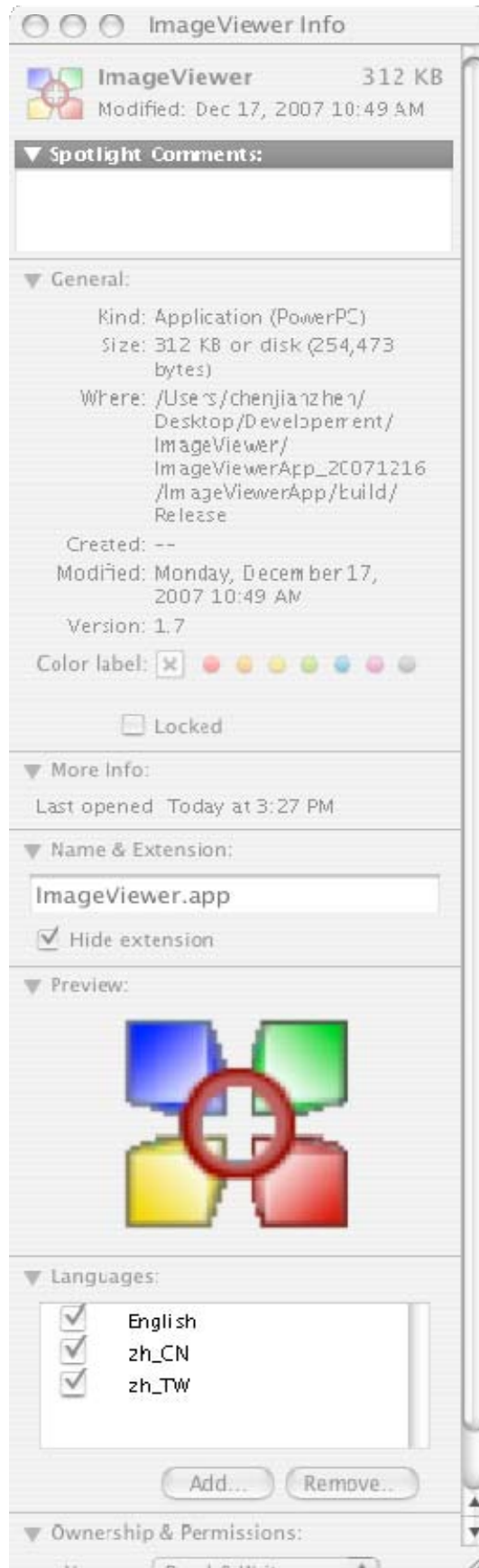


Figure 1-4 Information window of ImageViewer

You can see there are three languages in the Languages field. They are English, zh_CN and zh_TW. Check the language you want to use, and uncheck the language you do not want to use. After closing the info window, you can double click ImageViewer, it will show the language that you want to use. If you check zh_CN, you will see the simplified chinese interface, like Figure 1-5 shows. Figure 1-6 shows traditional chinese interface when you check zh_TW. Figure 1-7 shows English interface.



Figure 1-5 simplified chinese interface



Figure 1-6 traditional chinese interface



Figure 1-7 English interface

The differences between delete other language interfaces and move other language interface to resource disable folder are the package size of the program, and languages choices of the program. The size of delete other languages is smaller than move other language interface to resource disable folder. The language interface for move other languages to resource disable folder is much variety than delete other language interfaces.

1.2 modify User Interface

User can modify ImageViewer User Interface by Interface Builder if they have. The Interface Builder is installed with Xcode developing tool. You can find Xcode in the Mac OS X Install Disk 1. After installing Interface Builder, you can modify ImageViewer directly. We assume you have already installed the Interface Builder. You can modify specify language. Just open the corresponding folder. For example, we try to modify English interface, then we open English.lproj folder. Like Figure 1-8, you can see there are file items in the folder. They are ImageViewer.icns, imageView16.icns, MainMenu.nib, InfoPlist.strings and Localizable.strings. You can double click MainMenu.nib, the Interface Builder will be run.



Figure 1-8 items in the English.lproj folder

After Interface Builder run, you can see there are three windows, a menu, and class window show. The windows' caption is Picture Editing, Panel and ImageViewer. We will focus on how to rearrange ImageViewer.

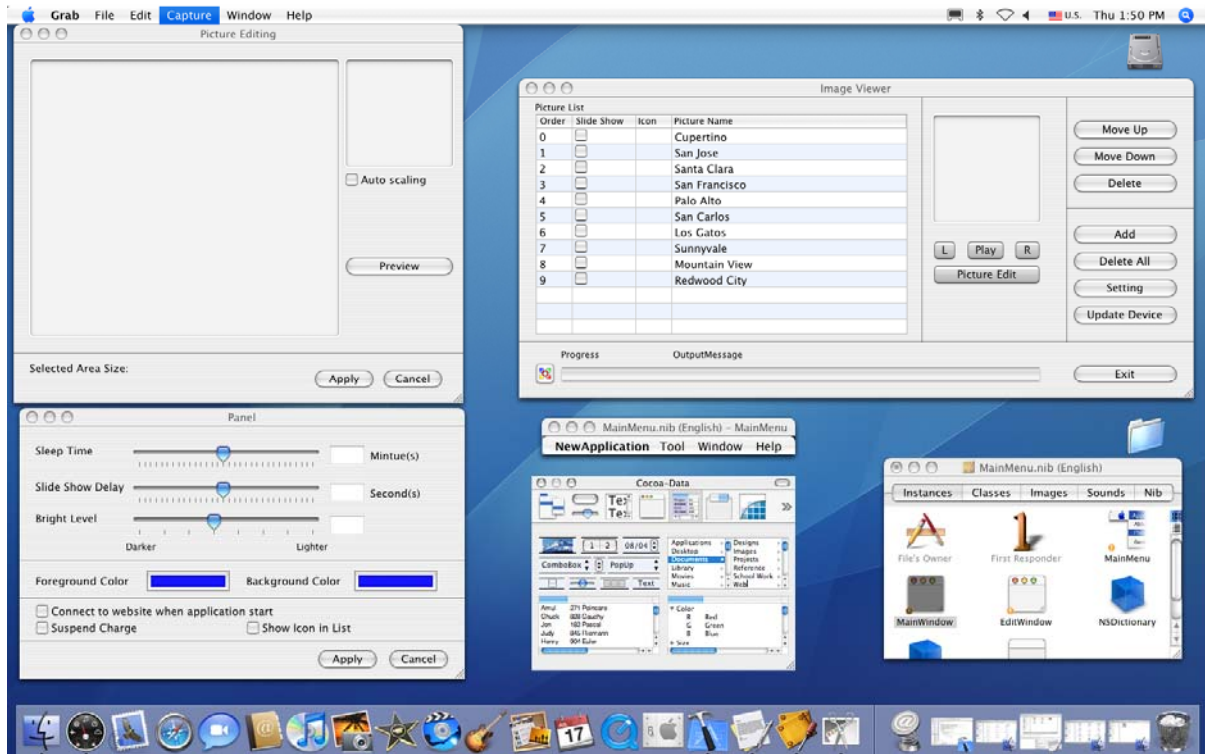


Figure 1-9 Interface Builder

You can see Figure 1-10 is an other layout of ImageViewer. All items on the panel are that you can move. After you finished rearrange, don't forget to save the result. Figure 1-11 to Figure 1-15 are some example layouts screen shot at run time.



Figure 1-10 rearrange ImageViewer window (design time)

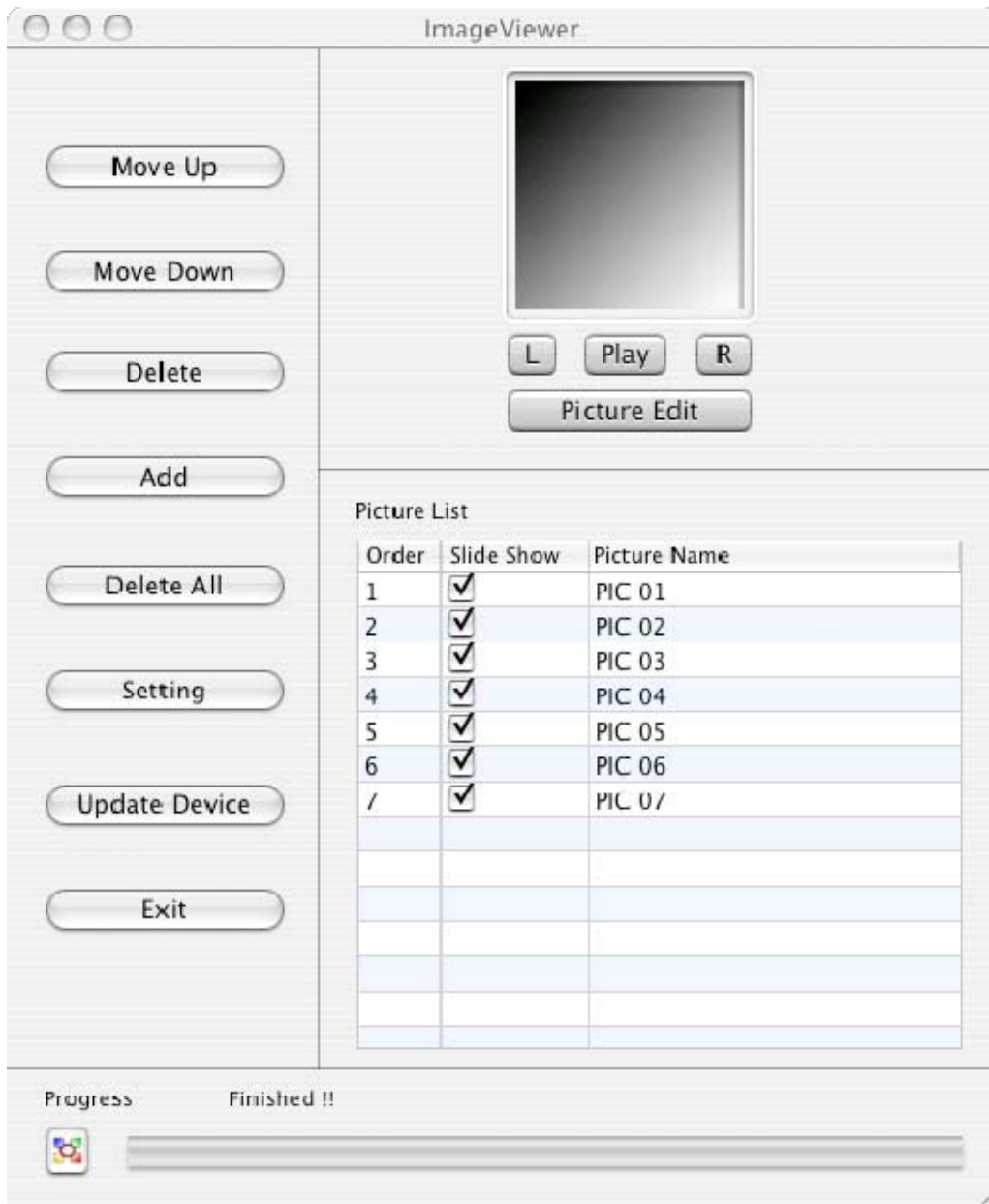


Figure 1-11 rearrange ImageViewer window (run time)

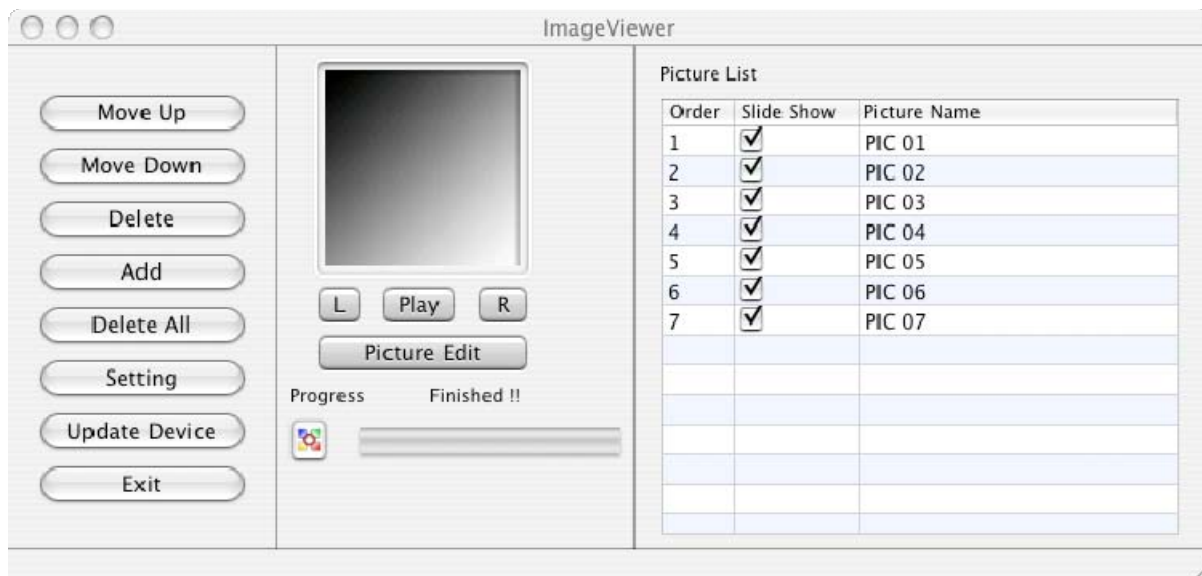


Figure 1-12 other ImageViewer window layout 1

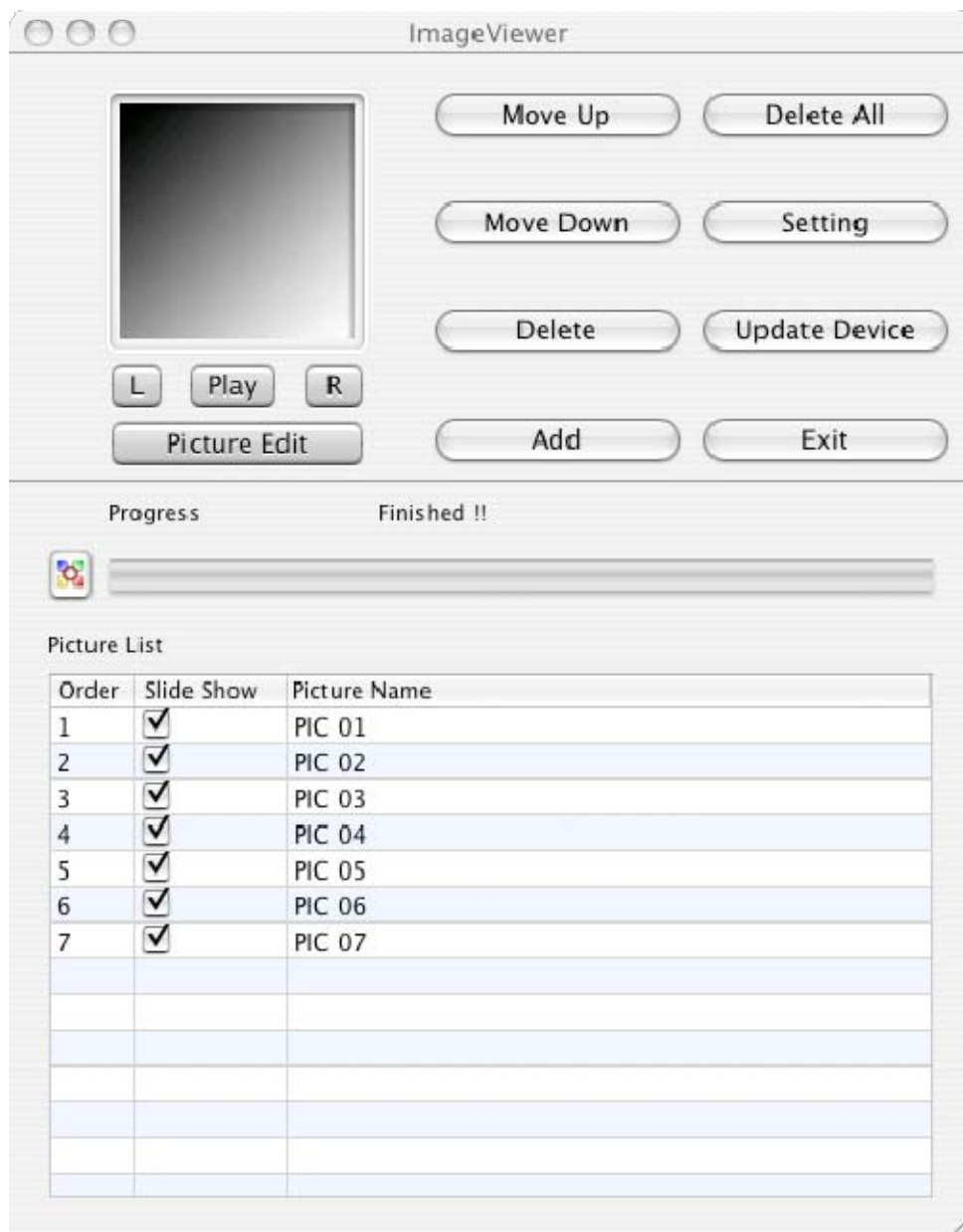


Figure 1-13 other ImageViewer window layout 2

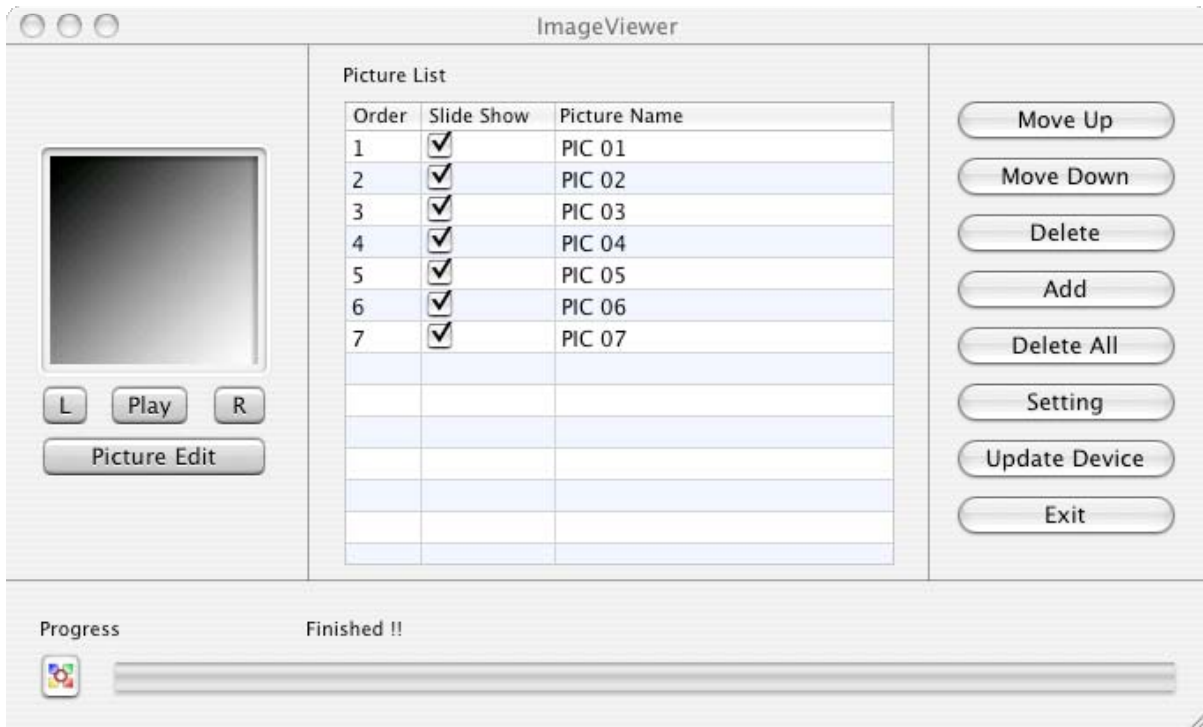


Figure 1-14 other ImageViewer window layout 3

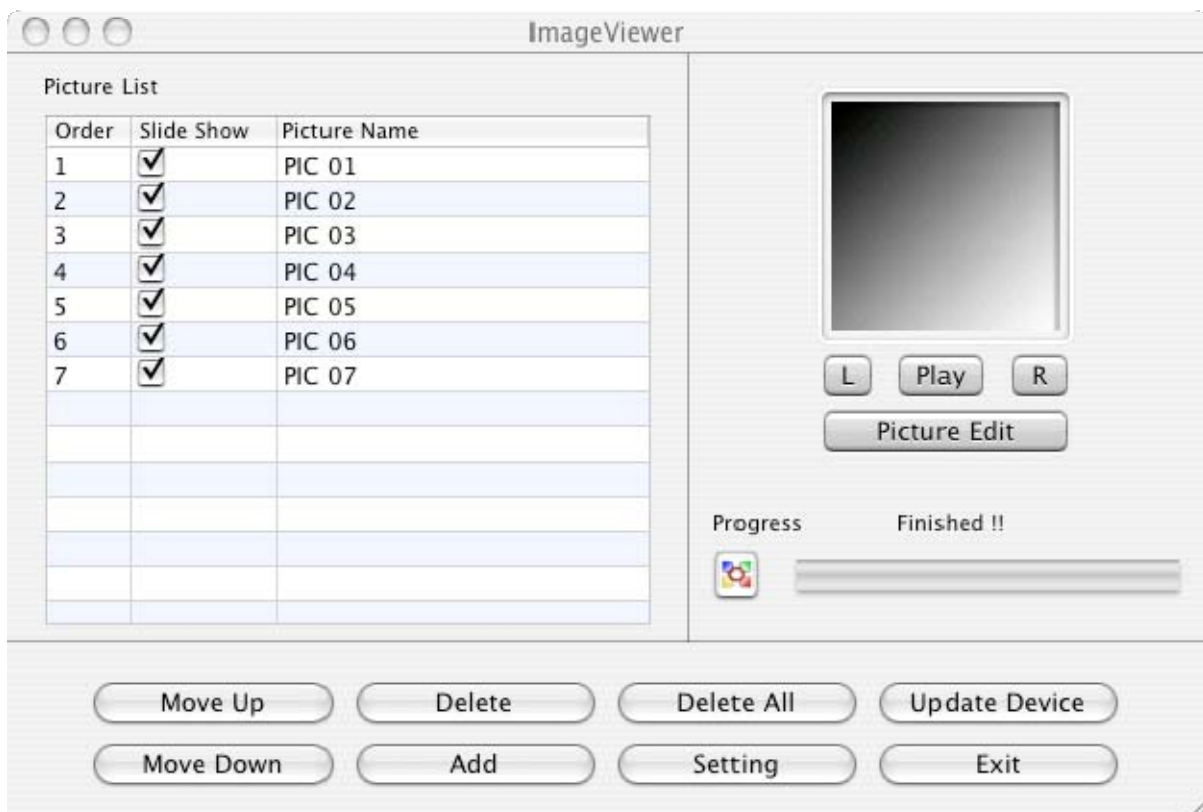


Figure 1-15 other ImageViewer window layout 4

Actually, MainMenu.nib is also a package for the mac operating system. It contains interface information of ImageViewer. After you click mouse right button, the popup menu shows. Like Figure 1-16 shows, you can find "Show Package Contents" in the popup menu, and select it.

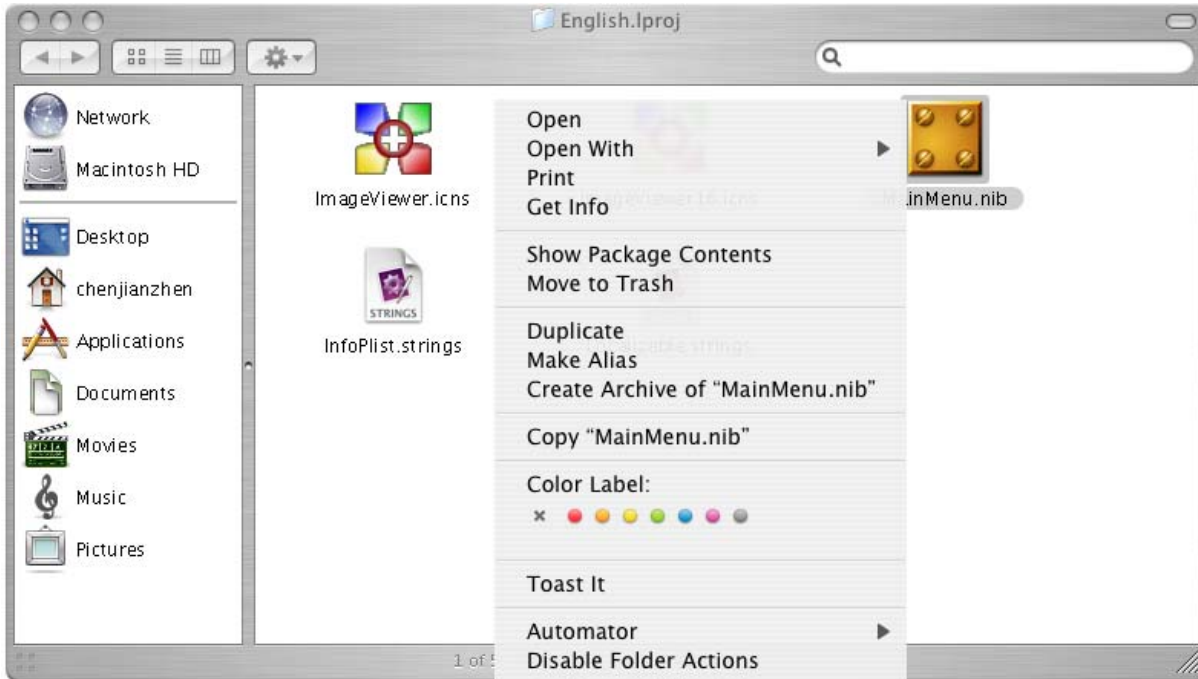


Figure 1-16 interface package

After you select "Show Package Contents", the folder shows. Like Figure 1-17 shows, there are three nib files in the folder. They are classes.nib, info.nib and keyedobjects.nib. After you rearrange the user interface, you can delete classes.nib and info.nib. Delete these two files will let you can not rearrange the user interface via Interface Builder.

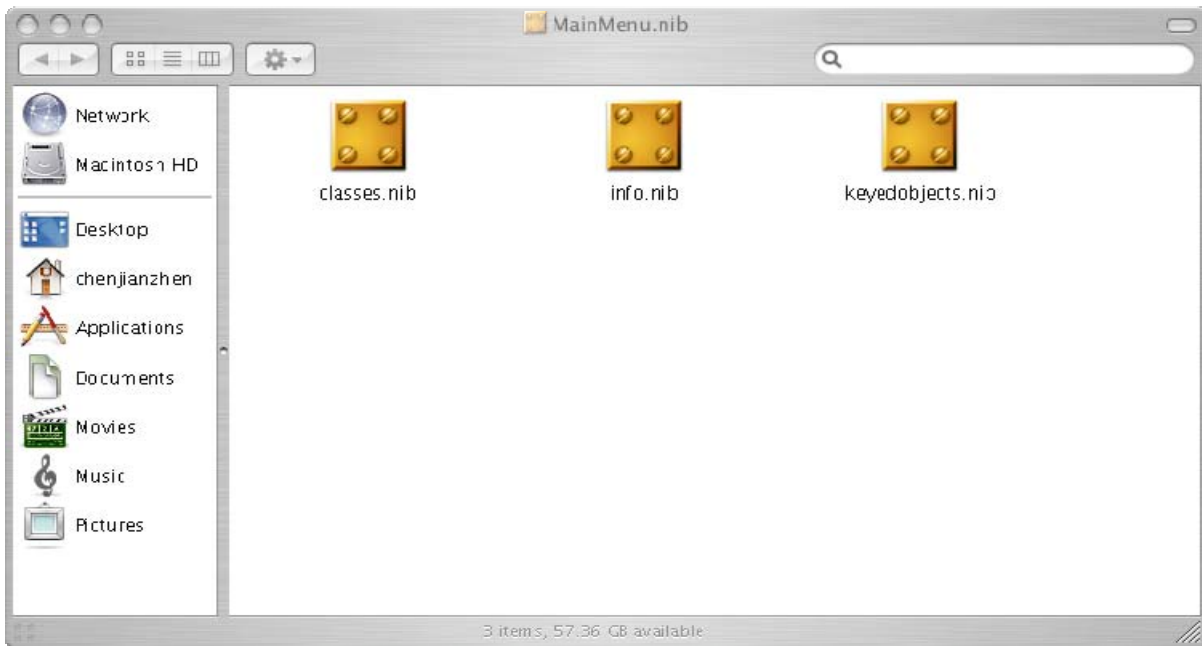


Figure 1-17 contents of MainMenu.nib

2. How to change ImageViewer match Product ID and Vendor ID?

Mac Operating system use info.plist file to catch correspond device and services. Device information is stored in the info.plist. You can double click to run Property List Editor, like Figure 2-2 shows.



Figure 2-1 Contents of ImageViewer

In Figure 2-2, you can see the property list. There are 17 properties in the list. They are CFBundleDevelopmentRegion,CFBundleExecutable,CFBundleIconFile,CFBundleIdentifier,CFBundleInfoDictionaryVersion,CFBundleName,CFBundlePackageType,CFBundleShortVersionString,CFBundleSignature,CFBundleVersion,DeviceProductId,DeviceVendorId, NSMainNibFile, NSPrincipalClass, ServiceBinary, ServiceDescription and ServiceName.

CFBundleIdentifier, DeviceProductId, DeviceVendorId, ServiceBinary, ServiceDescription and ServiceName must be different when you give different customers. You can modify the value directly via double click the value.

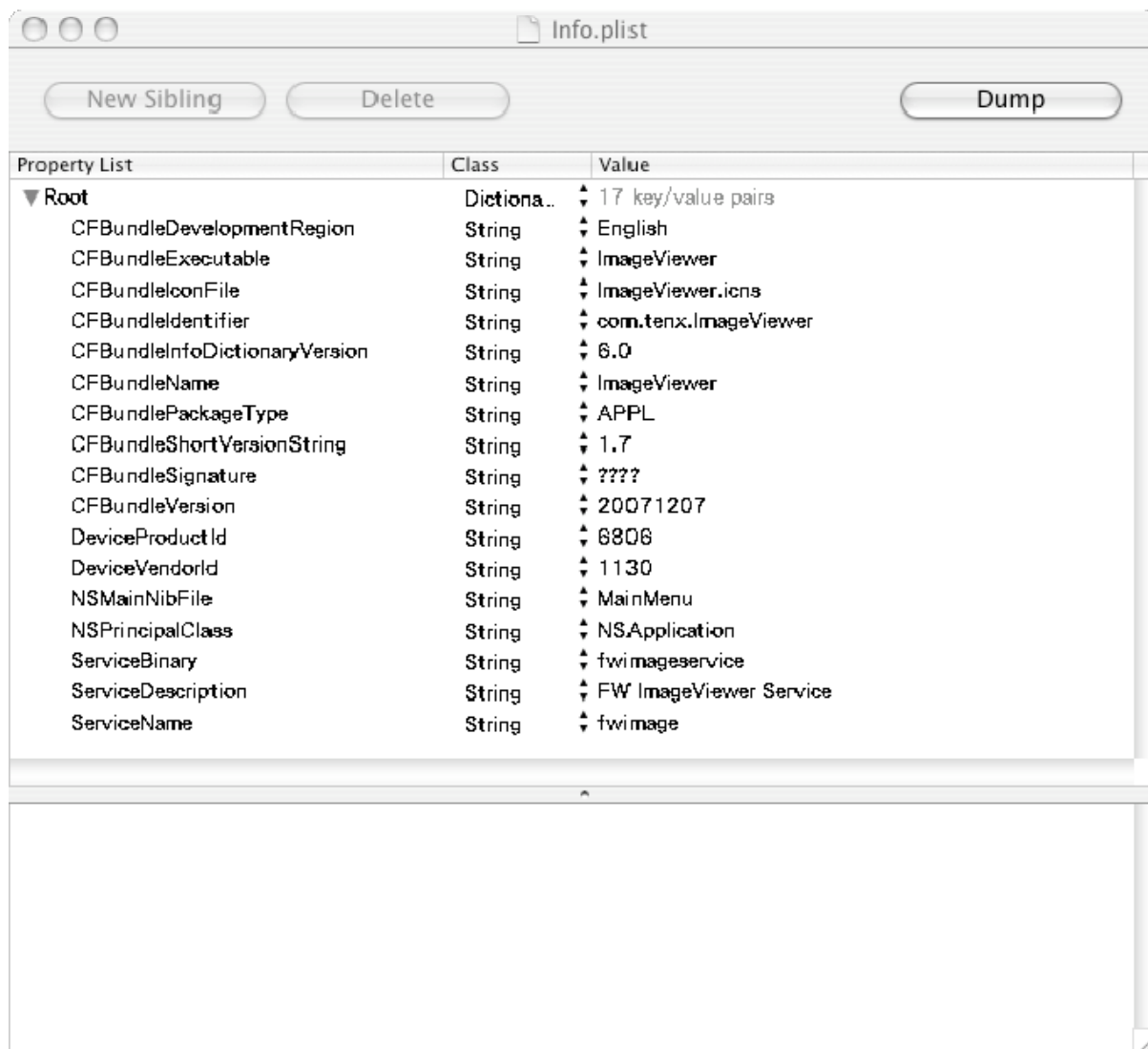


Figure 2-2 Property List Editor