



十速科技股份有限公司  
tenx technology inc.

**Advance  
Information**

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# **TP6806 Image Viewer For MAC User Manual**

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**Preliminary**

**tenx technology, inc.**

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# 1. Introduction

## 1-1. Features

ImageViewer is a tool for the digital frame. It contains several functions lets user can use it to add, remove, move up/down, and set the pictures properties to the digital frame. The digital frame contains 2M bytes memory, which can let user save 59 pictures in the digital frame. It also has a 128 \* 128 pixel LCM, so you can see the pictures on the LCM. Here is the main window:

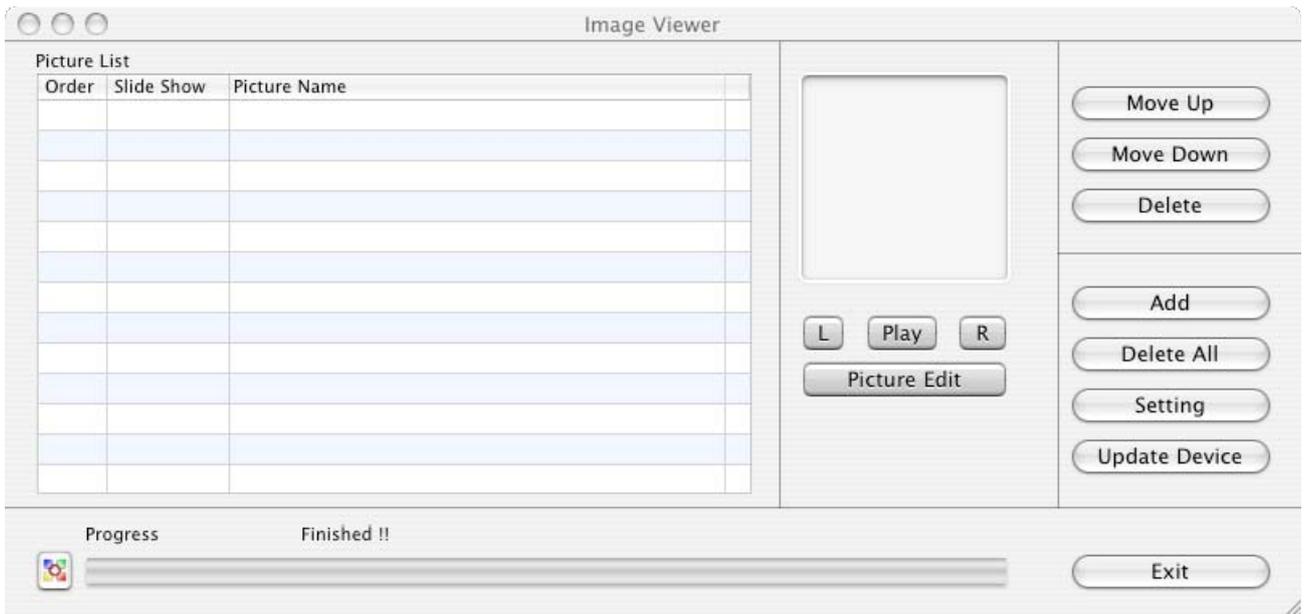


Figure 1-1 Main window

We will introduce more functions in the later of the user manual.

### 1-2. Main Window

The main window consists of four parts. They are picture list, image, setting buttons, and progressing bar. We will introduce the 4 parts later.

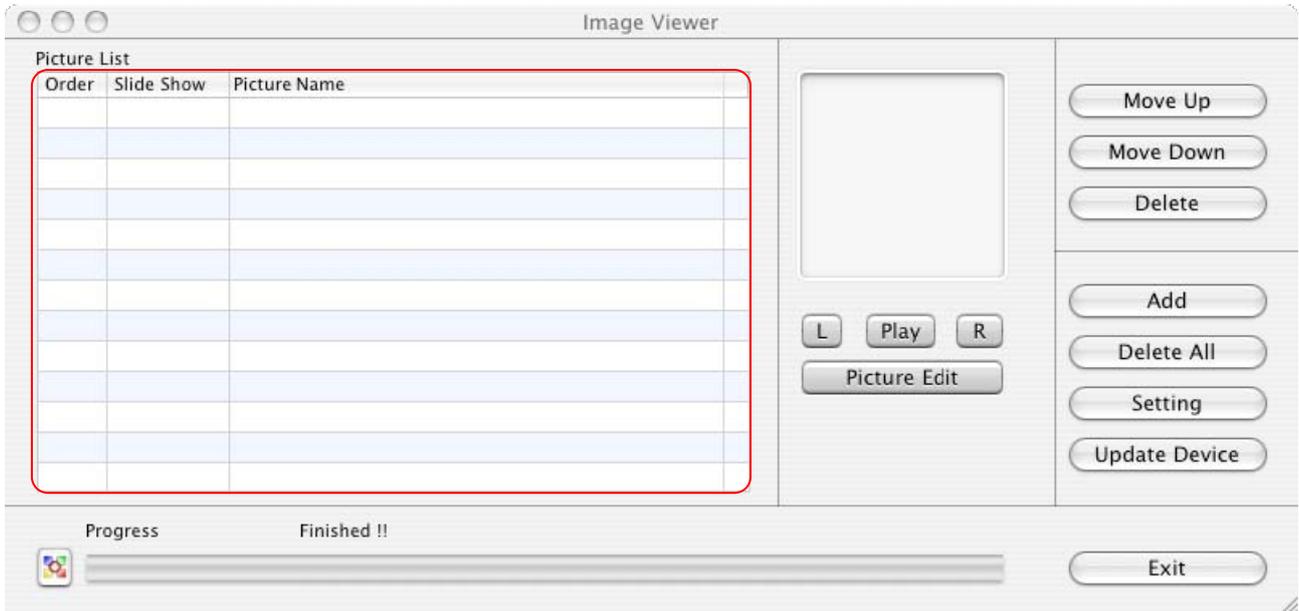


Figure 1-2 Picture list

Picture list lists the pictures of the digital frame. In the figure 1.2, we can see there is no picture in the picture list.

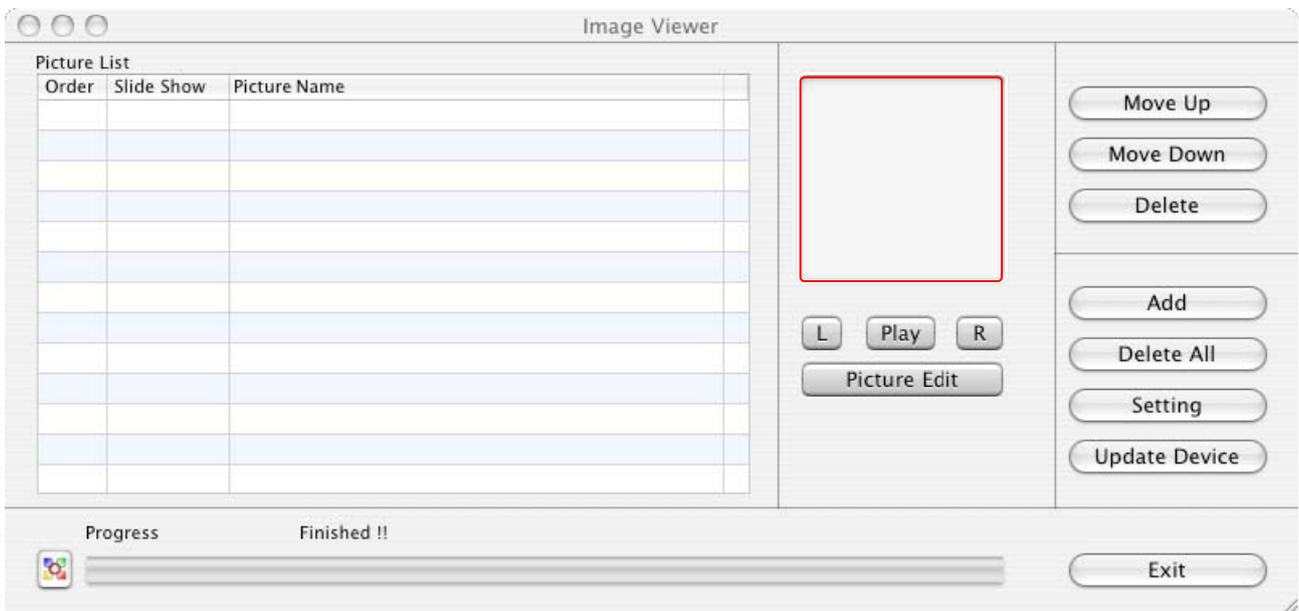


Figure 1-3 Image

Image will show the picture you point to in the picture list. The default picture show on the Image is the last file read from Digital frame device. If you left/right rotate the picture, the Image will also show the result.

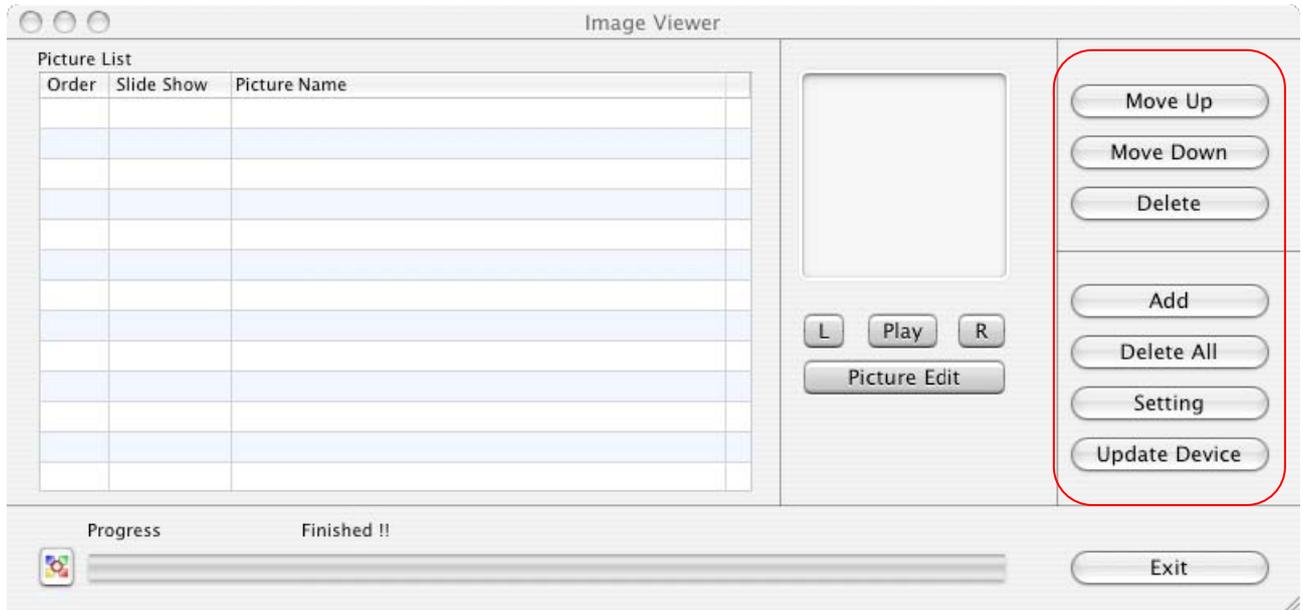


Figure 1-4 Settings

Setting buttons can let user sets advantage functions. They are Add, move up/down, remove, remove all, device setting, left/right rotate, play, edit, update device, and exit. We will introduce there function in chapter 2.

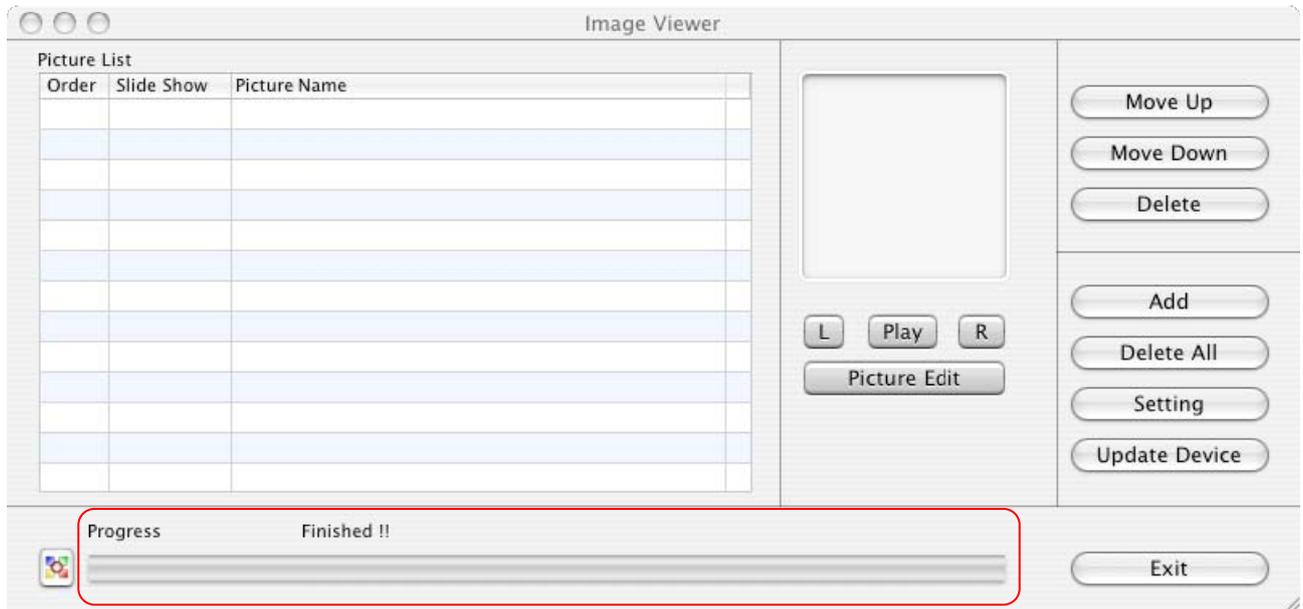


Figure 1-5 Progressing bar

In the Progressing bar, you can see the progress of the processing while you update device, read and play pictures from the device. Also you can see the message above the progressing bar.

## 2. Functions

### 2-1. Support functions

ImageViewer supports 11 functions. It can add, move up, move down, delete, delete all, setting, update device, right rotate, left rotate, edit picture and about. You can use these function to adjust your pictures. Now we introduce each function in the following:

### 2-2. Add

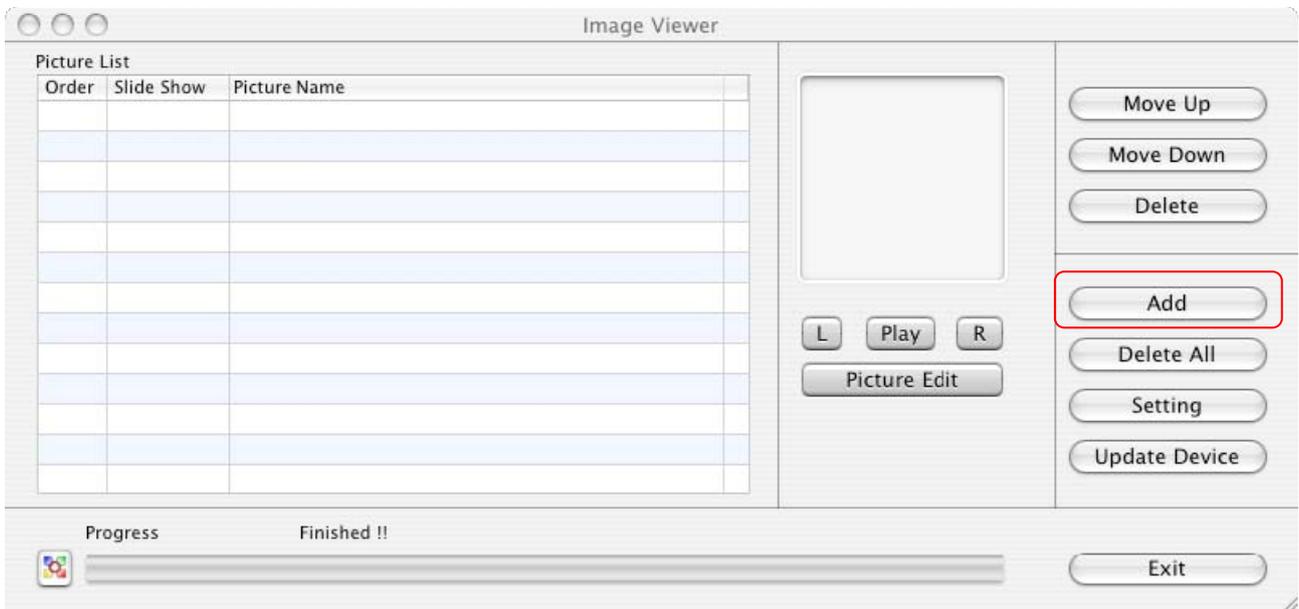


Figure 2-1 Add

When you first time plug in the digital frame, there is no picture in the device. You can use “Add” button to add picture, which indicated in figure 2-1.

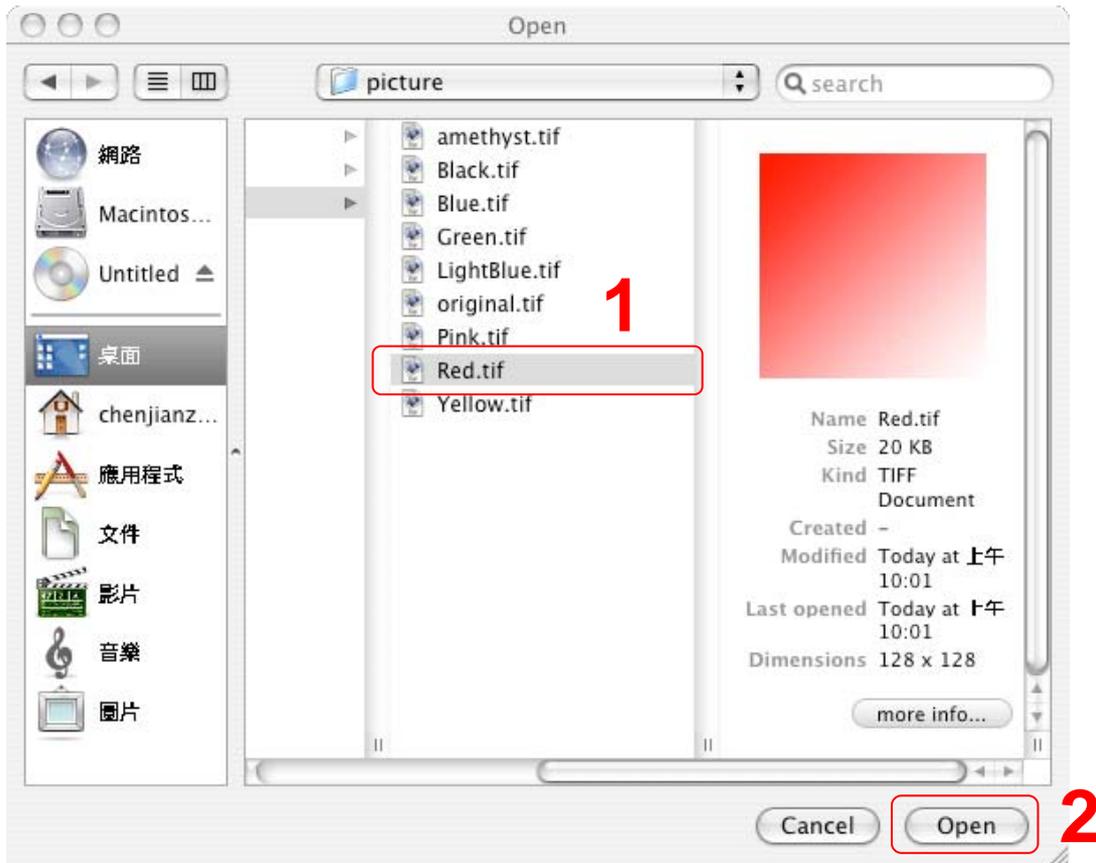


Figure 2-2 Add – open dialog

Once you press the “Add” button, the open dialog appeared, like figure 2-2. You can find out where the pictures located and select it. After selecting it, you can press the open button. The picture will be loaded. You can see the picture you selected will show in the image list. You can point the picture’s name that you added, and the image will show the picture.

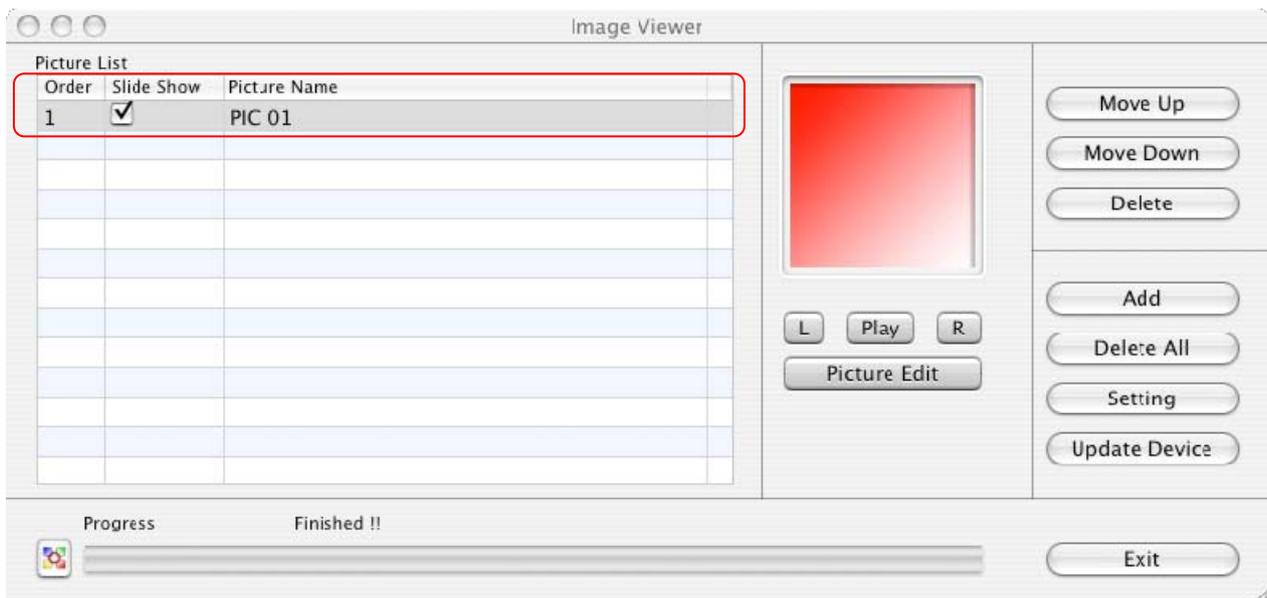


Figure 2-3 Add – add a new picture

You can follow the figure 2-1, figure 2-2 and figure 2-3 steps to add pictures. In figure 2-4 we add 7 pictures in the ImageViewer. The Picture Name is from PIC 01 to PIC 07. Users can not change the Picture Name in ImageViewer.

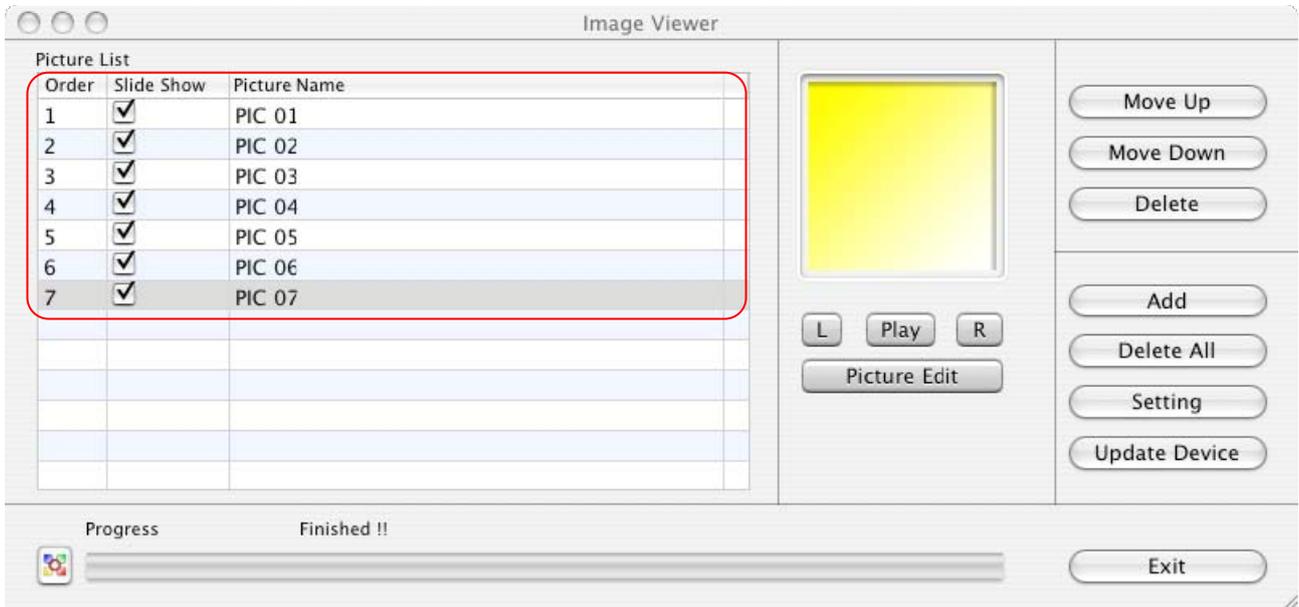


Figure 2-4 Add – add 7 pictures

### 2-3. Move Up

You can rearrange the pictures order. In the figure 2-5, we want move the PIC 07 up one level. We point the PIC07 first. Then press the “Move up” button. The PIC 07 is moved up one level. The new PIC order of the Picture list is PIC 01, 02, 03, 04, 05, 07 and 06, just like the figure 2-6.

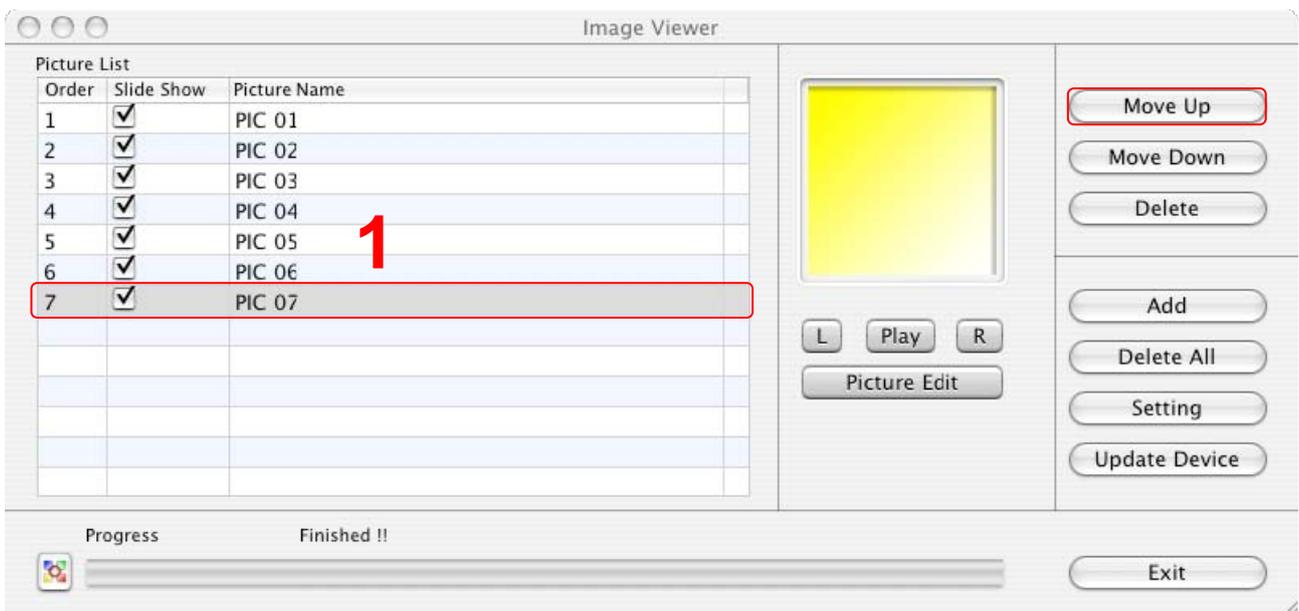


Figure 2-5 Move up – step 1

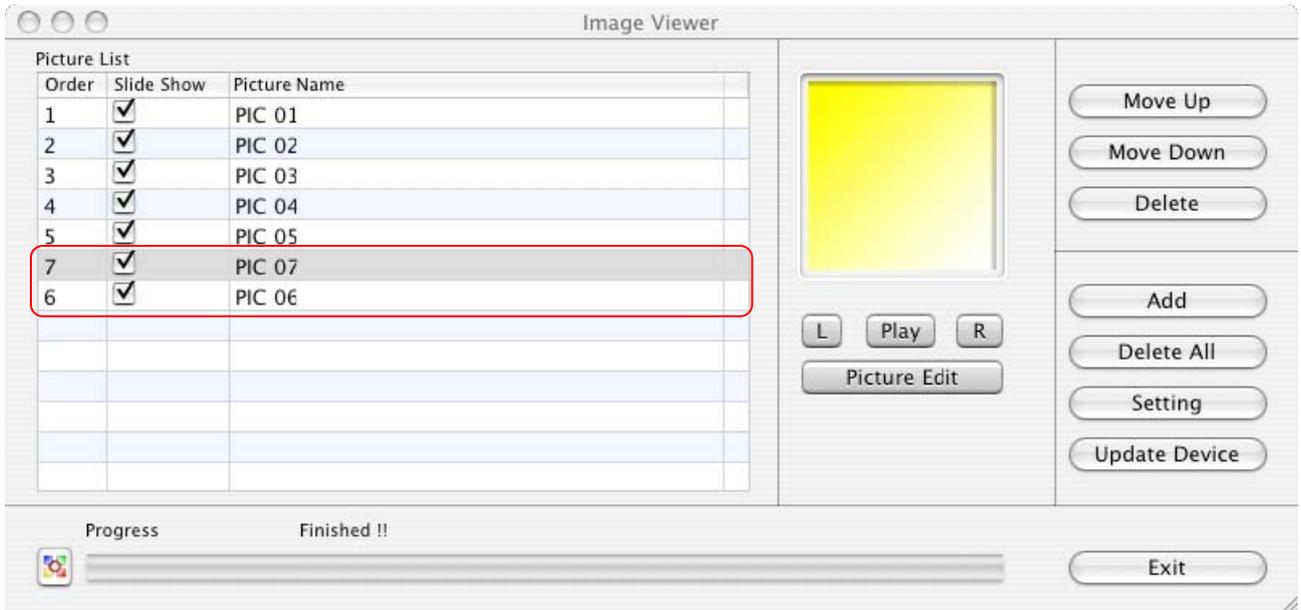


Figure 2-6 Move Up – step 2

## 2-4. Move Down

In figure 2-7, we want to move the PIC05 down one level. First, we point to the PIC 05. Then, press “Move Down” button. You will see the window like figure 2-8. The order becomes PIC 01, 02, 03, 04, 07, 05, 06.

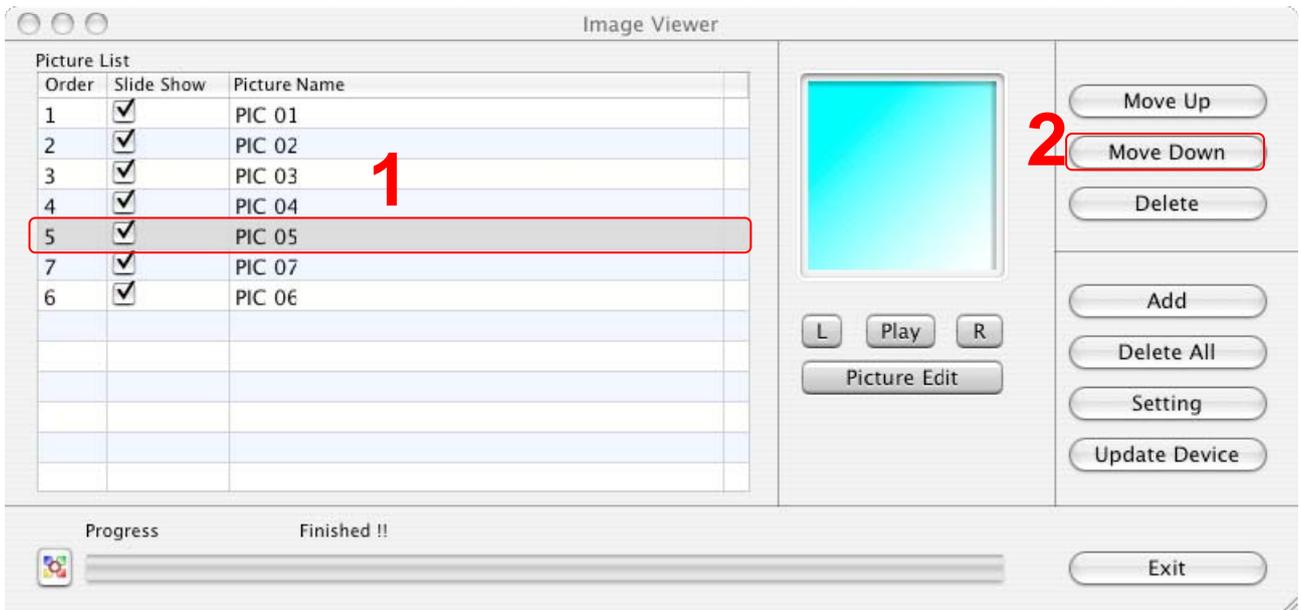


Figure 2-7 Move Down – step 1

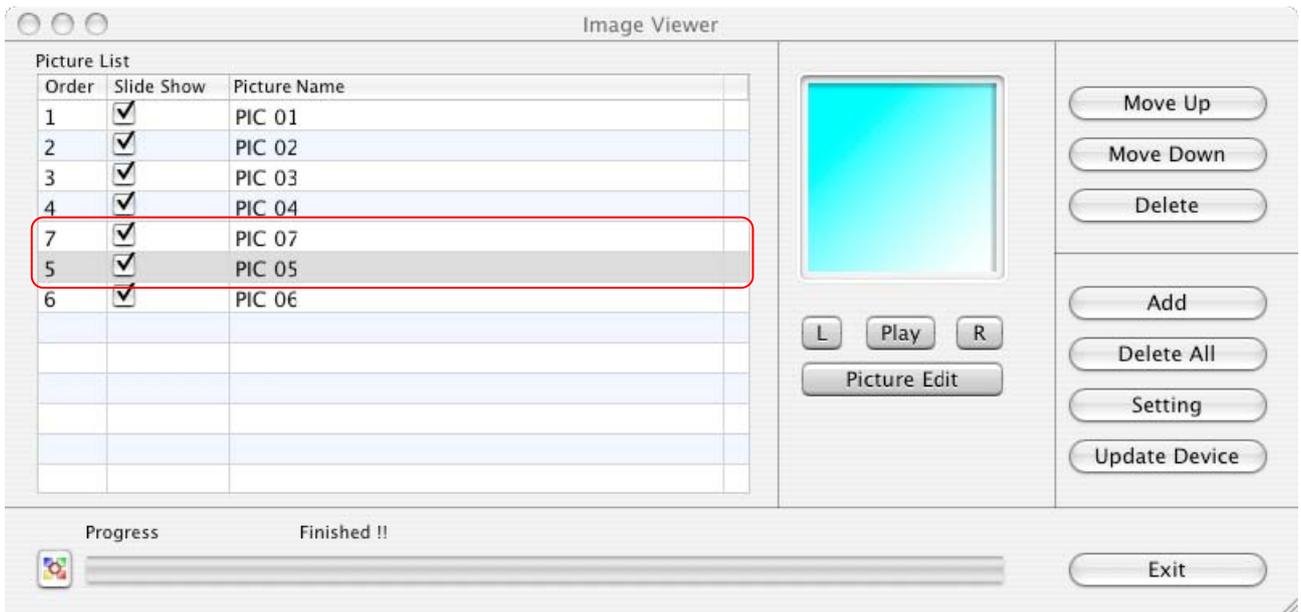


Figure 2-8 Move Down – step 2

### 2-5. Delete

You can also delete the picture you want to delete. First, you have to point the picture name you want to delete. Then, press the “Delete” button. In figure 2-9, when I press the “Delete” button, the PIC 05 is disappeared.

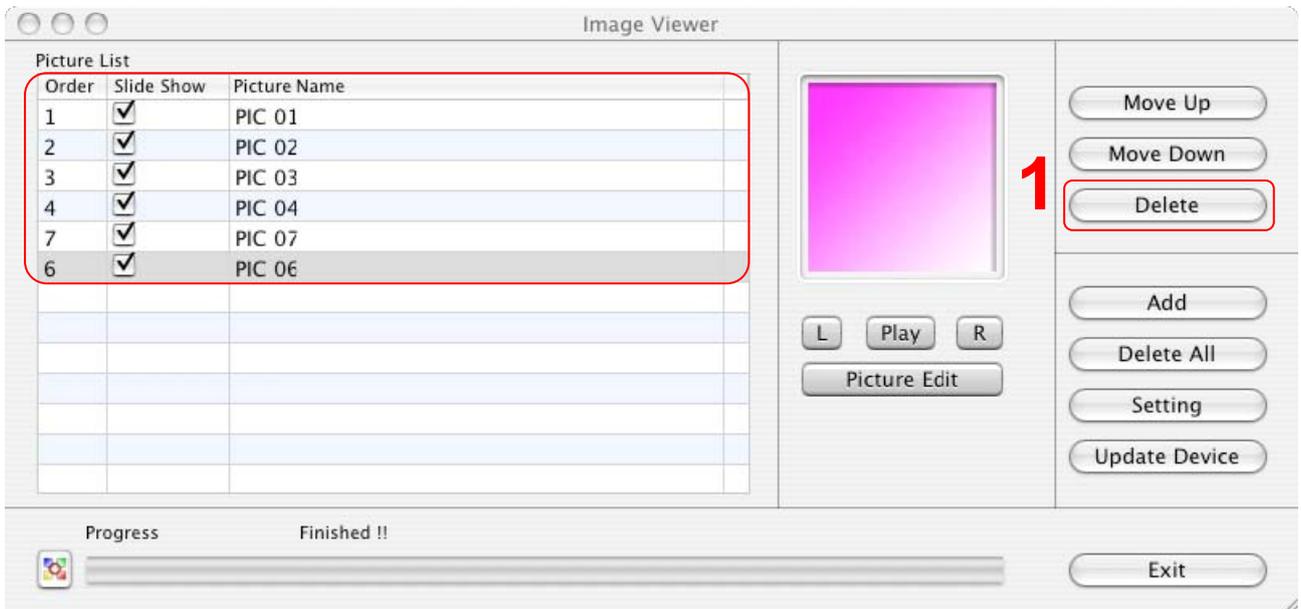


Figure 2-9 Delete

### 2-6. Delete All

You can delete all PIC at the same time; just press the “Delete All” button. Once you press the “Delete All” button, all pictures in the picture list are gone. Be careful, if you don’t want to delete all pictures, don’t press the “Delete All” button.

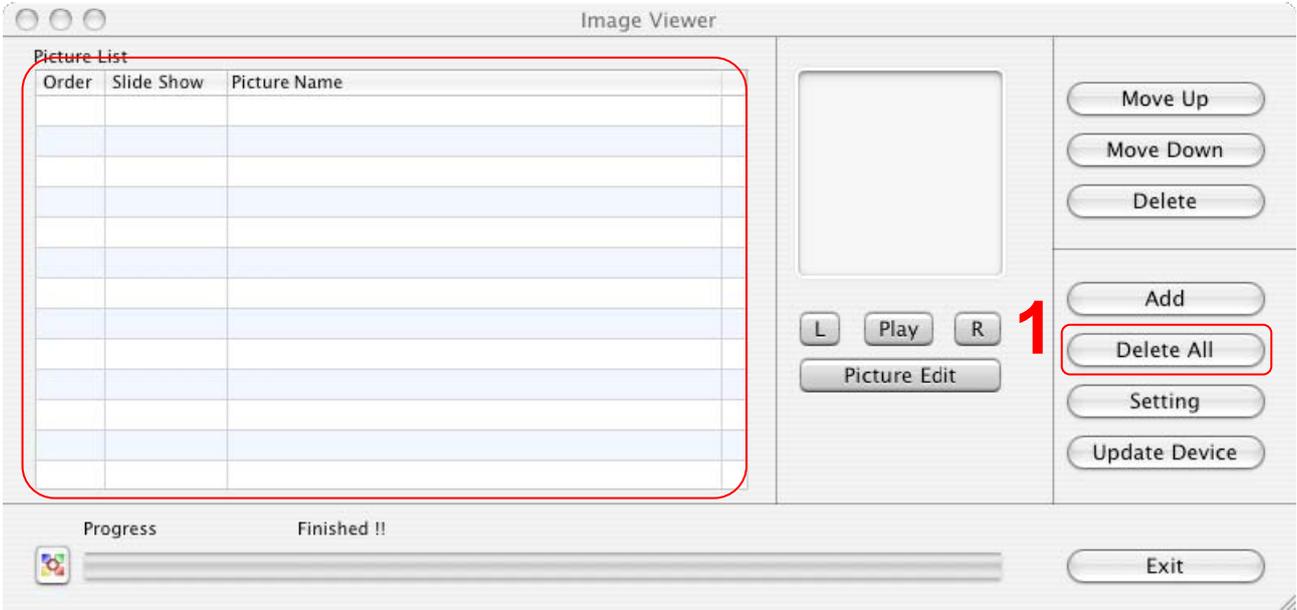


Figure 2-10 Delete All

### 2-7. Setting

You can set the device advanced feature in the setting window. You need to press the “Setting” button, like figure 2-11. The Setting Window appeared, like figure 2-12.

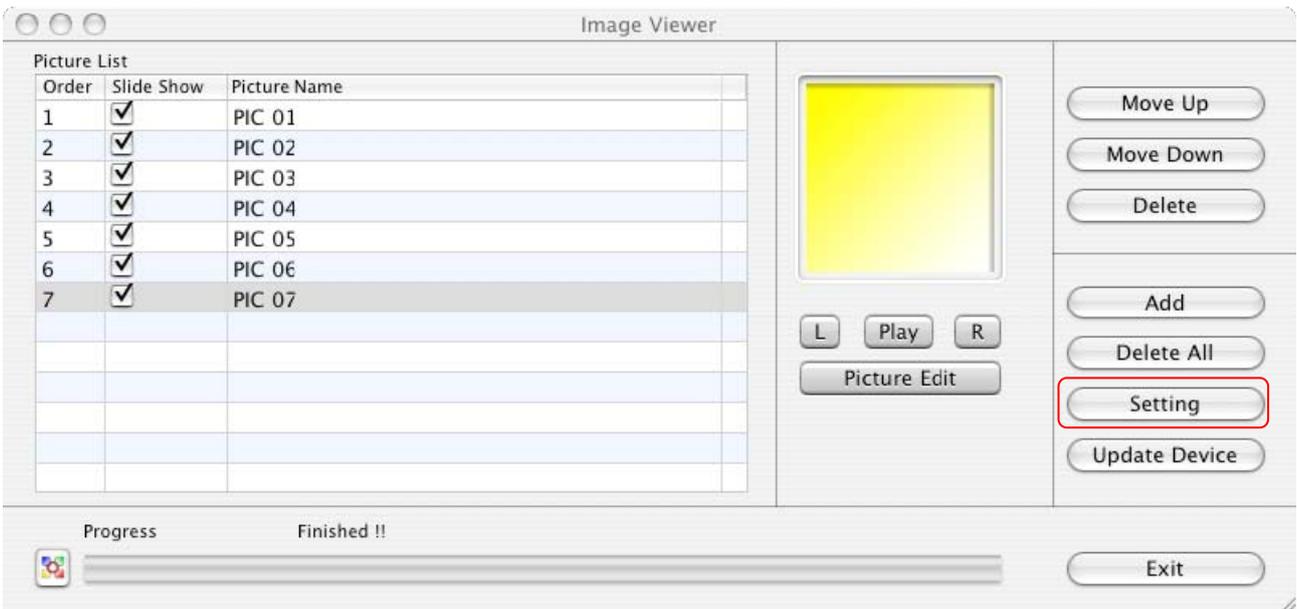


Figure 2-11 Setting

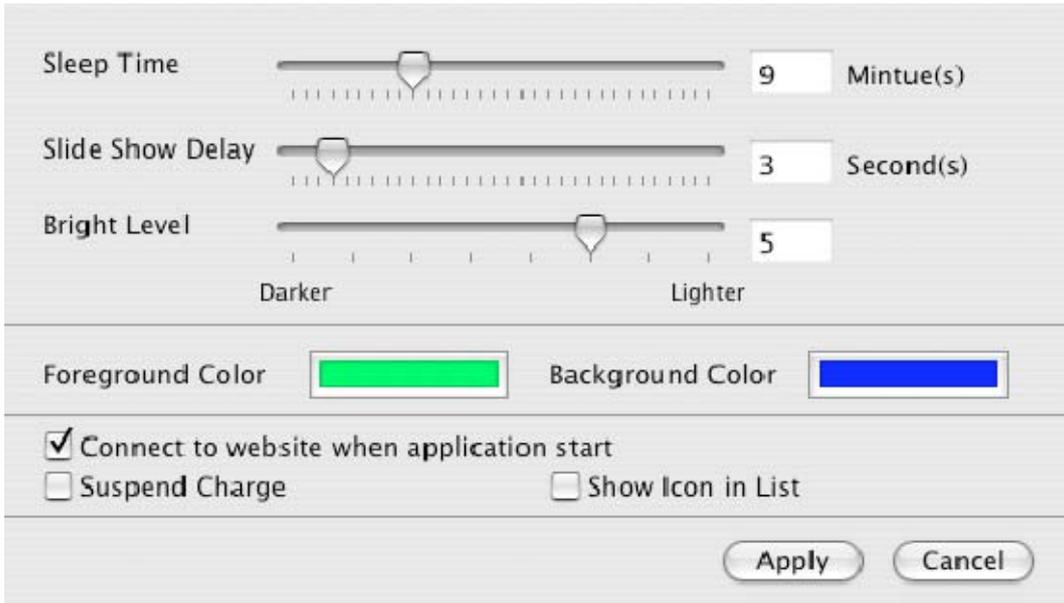


Figure 2-12 Setting – setting window

In the setting window, you can see Sleep Time, Slide Show Delay and Bright Level in the top of the setting window. In the middle of setting window, you can see the Foreground Color and Background Color. The check box “connect to website when application start” is located in the bottom of the setting window. After you set functions, you can press “Apply” button to apply the setting.

### 2-7-1. Sleep time

You can set the digital frame device sleep time in the sleep time function. The range is from 0 to 31 minutes. The digital frame will fall into the sleep mode when time’s up. If you set the sleep time to 0 that means you don’t want to enable this function.

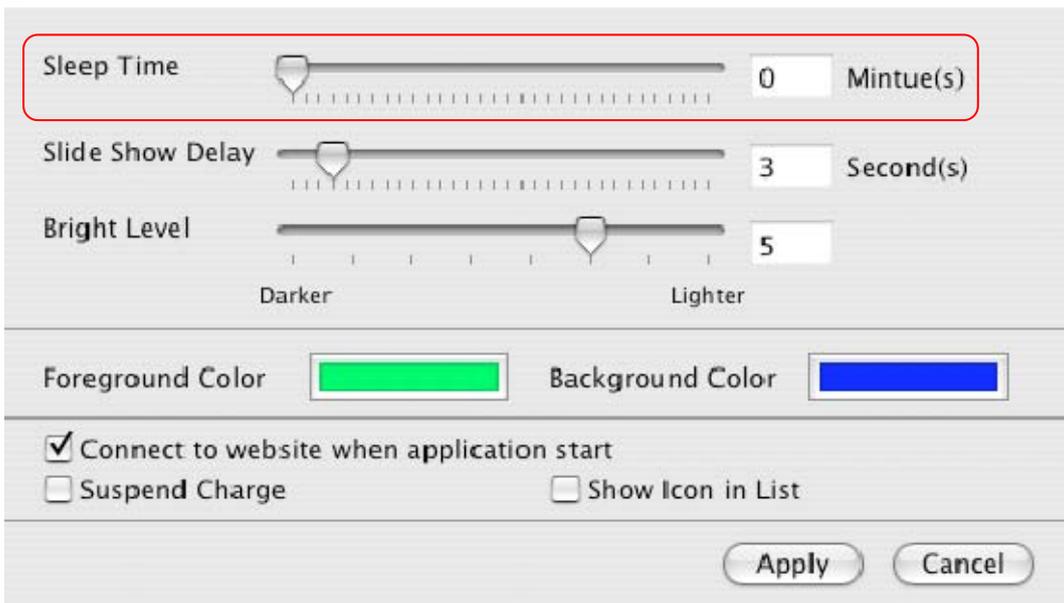


Figure 2-13 Setting – set Sleep Time to 0

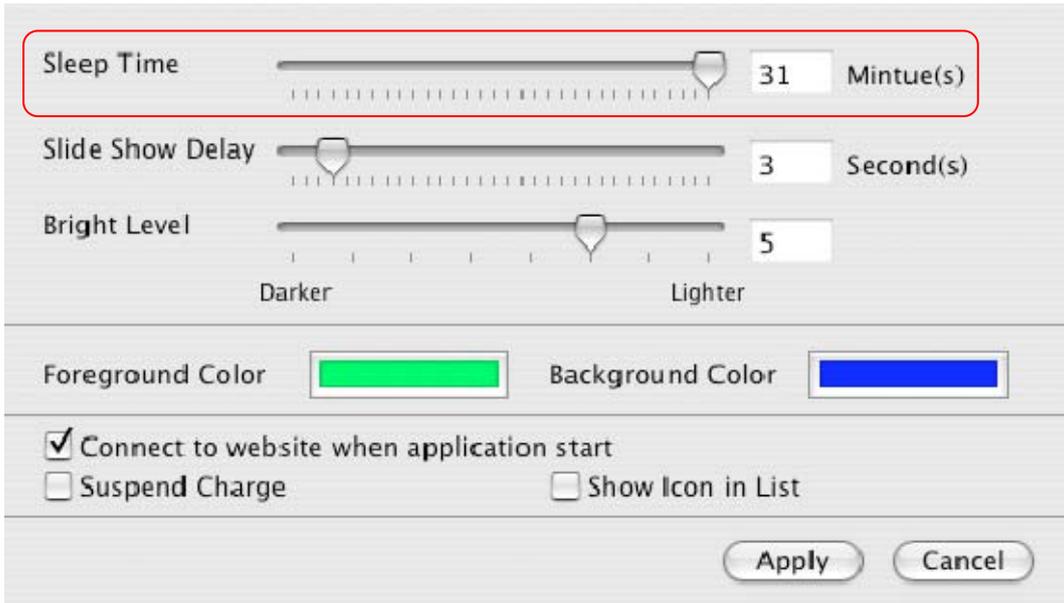


Figure 2-14 Setting – set Sleep Time to 31

### 2-7-2. Slide show time

You also can set the digital frame device Slide Show time in the slide show delay function. The range for the Slide Show Delay is from 0 to 31. The digital frame will change the pictures when time's up, if there are more than one picture in the digital frame. If you set Slide Show Delay to 0 second that means you do not want to enable this function.

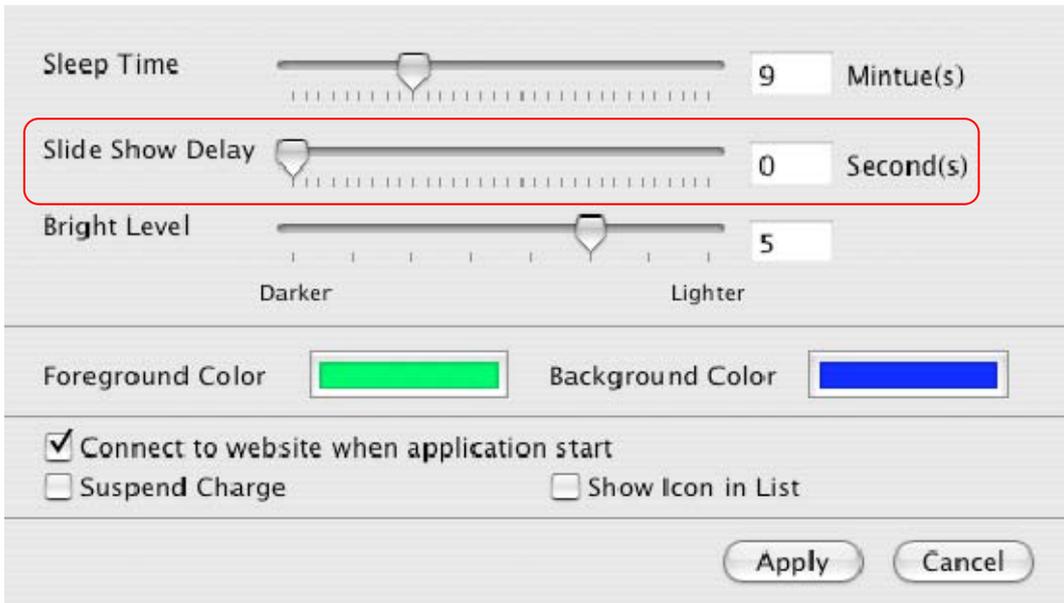


Figure 2-15 Setting – set Slide Show Delay to 0

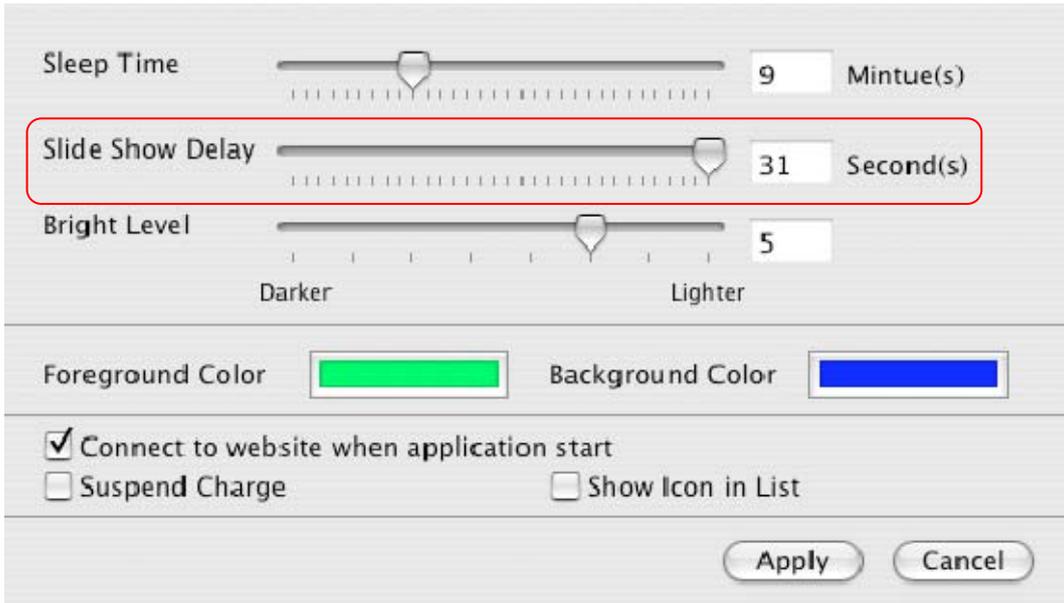


Figure 2-16 Setting – set Slide Show Delay to 31

### 2-7-3. Brightness level

The third setting is Bright Level. You can set the digital frame’s bright level. It is from 0 to 7. Smaller number means the bright level is darker. Bigger number means the bright level is lighter.

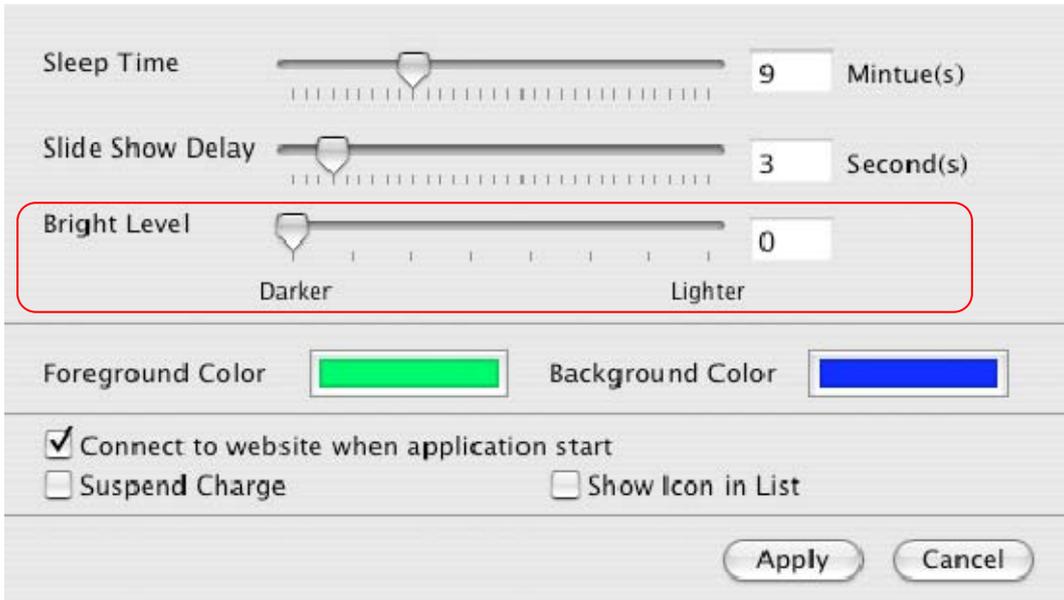


Figure 2-17 Setting – set Bright Level to 0

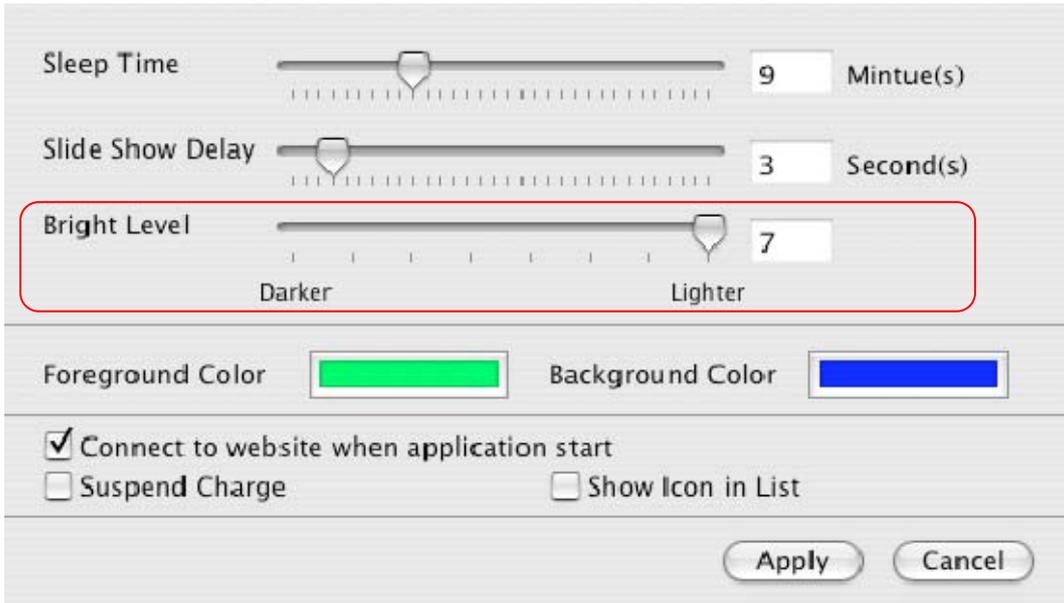


Figure 2-18 Setting – set Bright Level to 7

### 2-7-4. Foreground color

ImageViewer also let user to set foreground color and background color. Once you press the color area like figure 2-19 shows, the color window shows. Select the color you want to change, like figure 2-21. After you select color, click the close button, the Color window disappear. The result shows in figure 2-22.

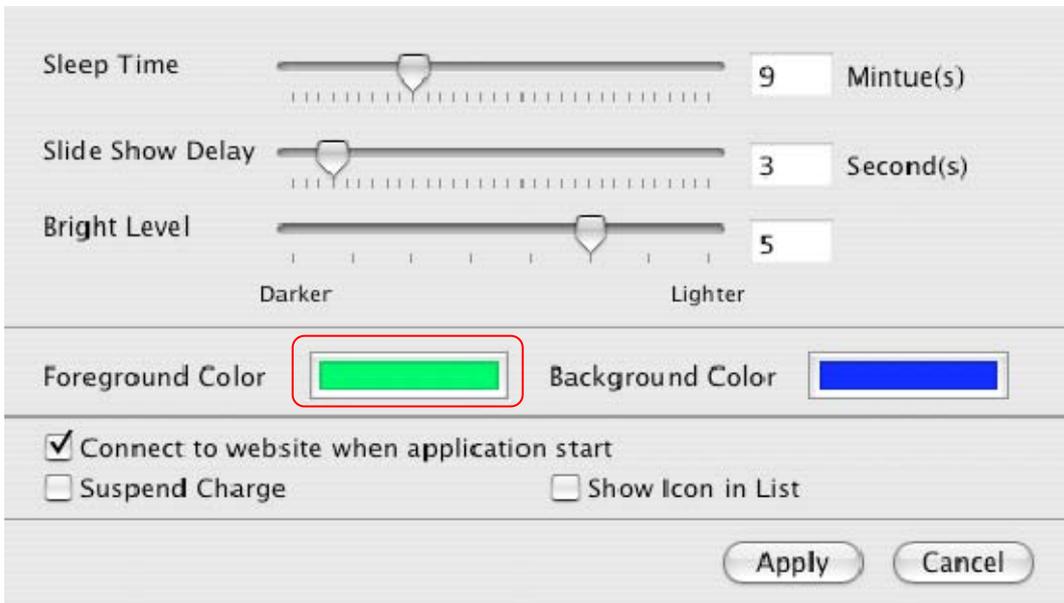


Figure 2-19 Setting – Foreground Color step 1

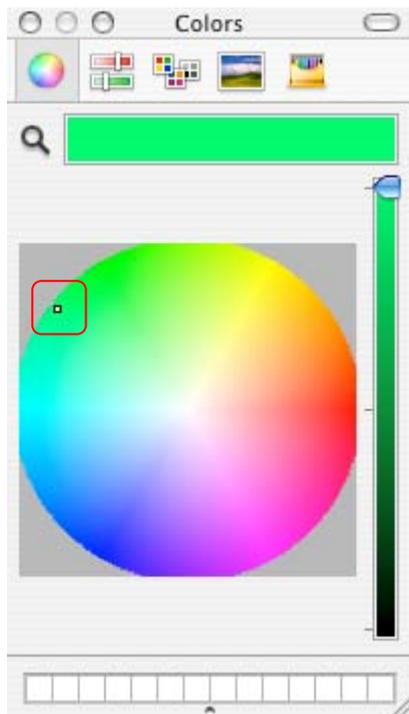


Figure 2-20 Setting – Foreground color step 2

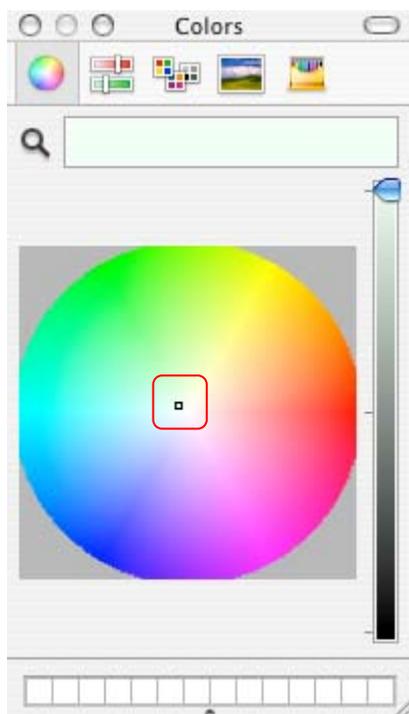


Figure 2-21 Setting – Foreground color step 3

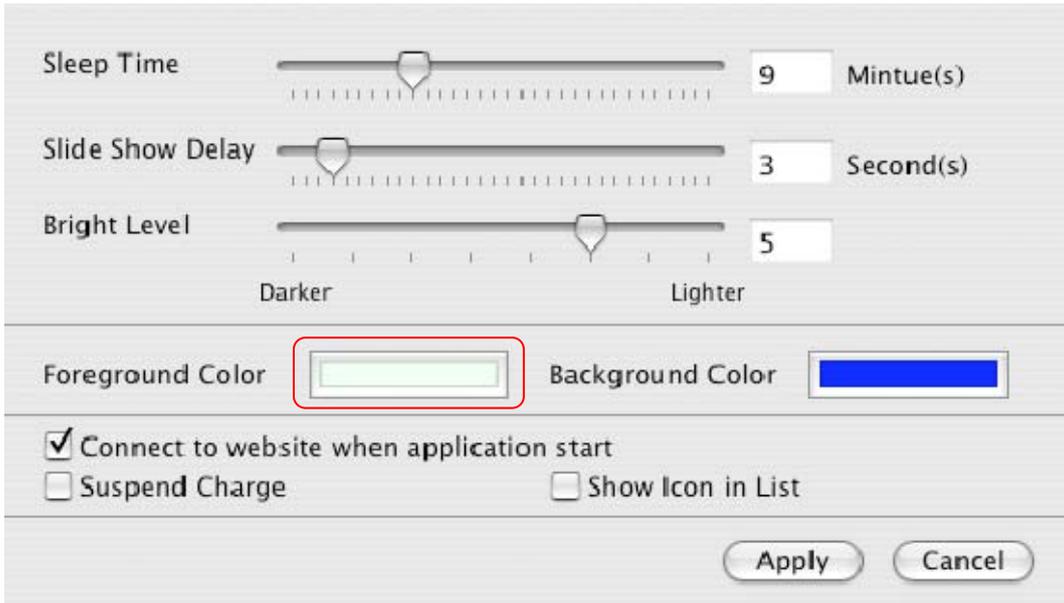


Figure 2-22 Setting – Foreground color step 4

### 2-7-5. Background color

If you want to change background color, press the background color like figure 2-23 shows. The color window will show like figure 2-24. After you select a color you want, close the color window. Background color area changes the color you selected.

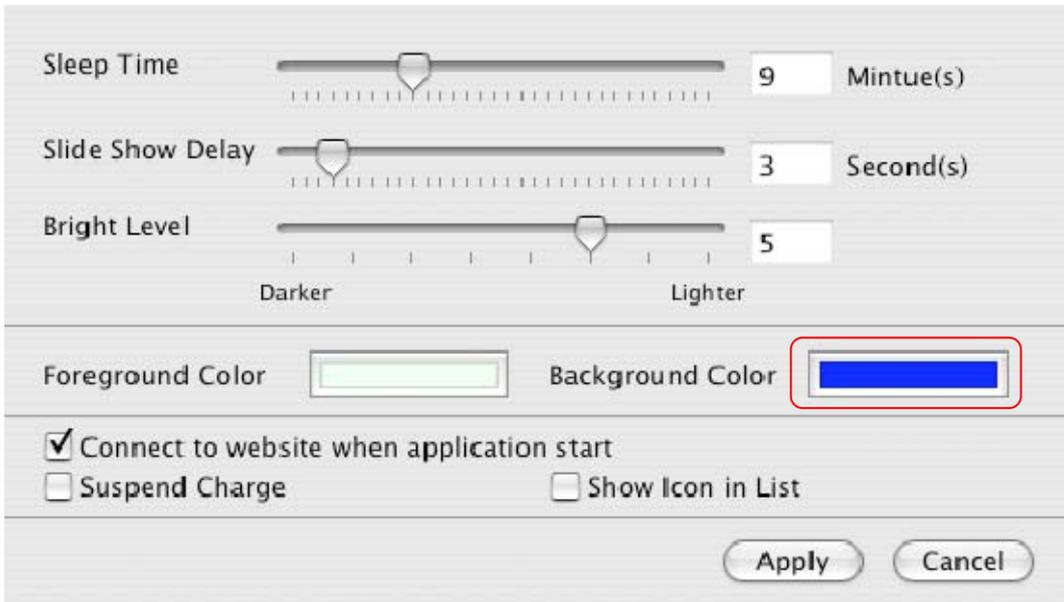


Figure 2-23 Setting – Background color step 1

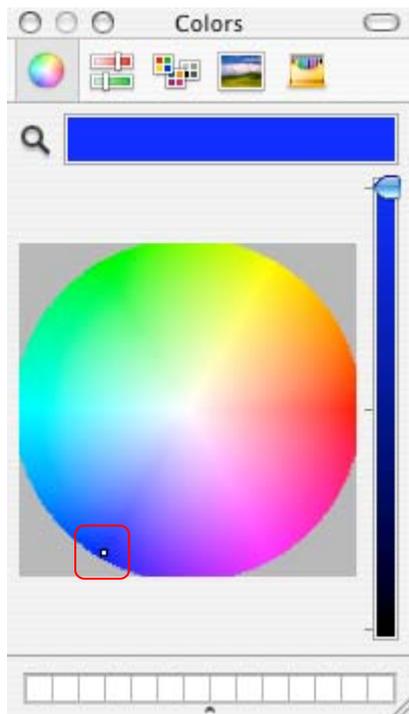


Figure 2-24 Setting – Background color step 2

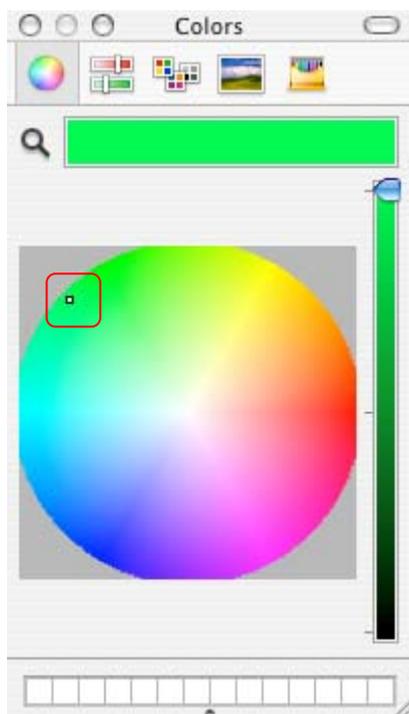


Figure 2-25 Setting – Background color step 3

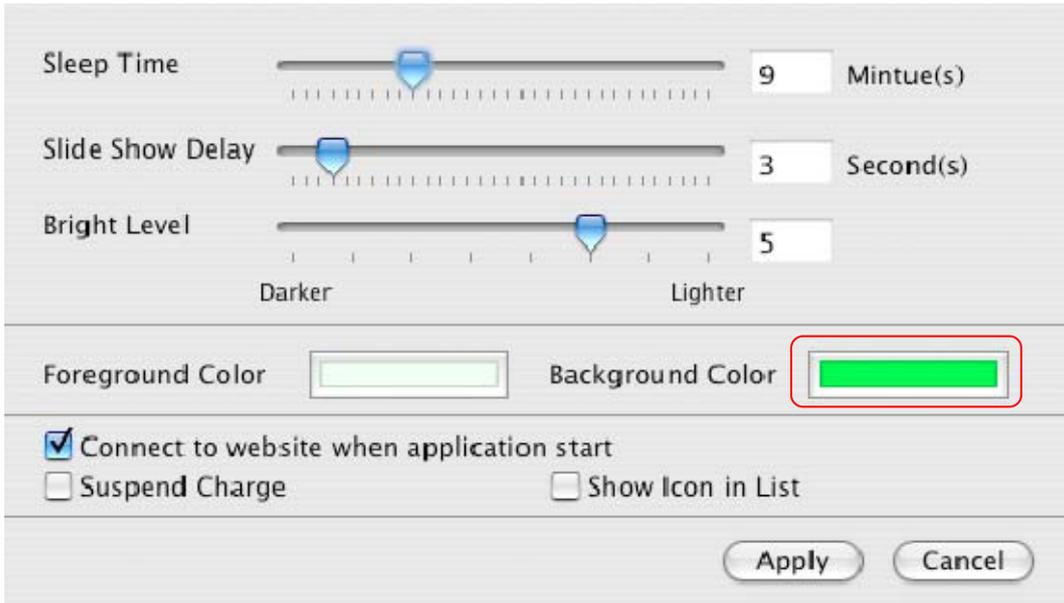


Figure 2-26 Setting – Background color step 4

### 2-7-6. Connect to website when application start

You can also set connect to website when the ImageViewer starts. You can check or uncheck the selection. Click the “Connect to website when application start” check box to check (select) or uncheck (unselect) the function.

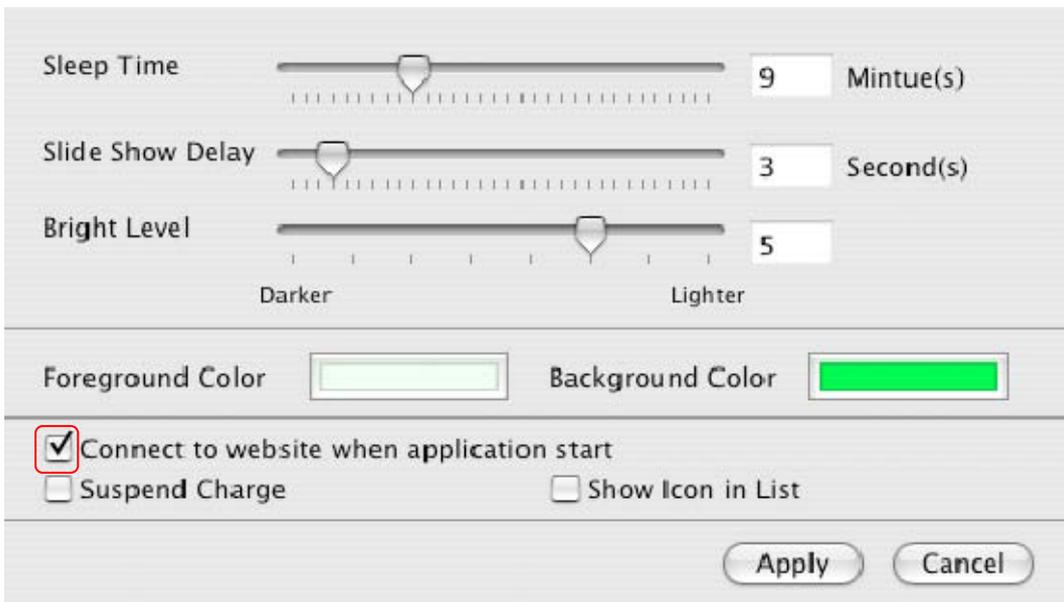


Figure 2-27 Setting – check Connect to website when application start

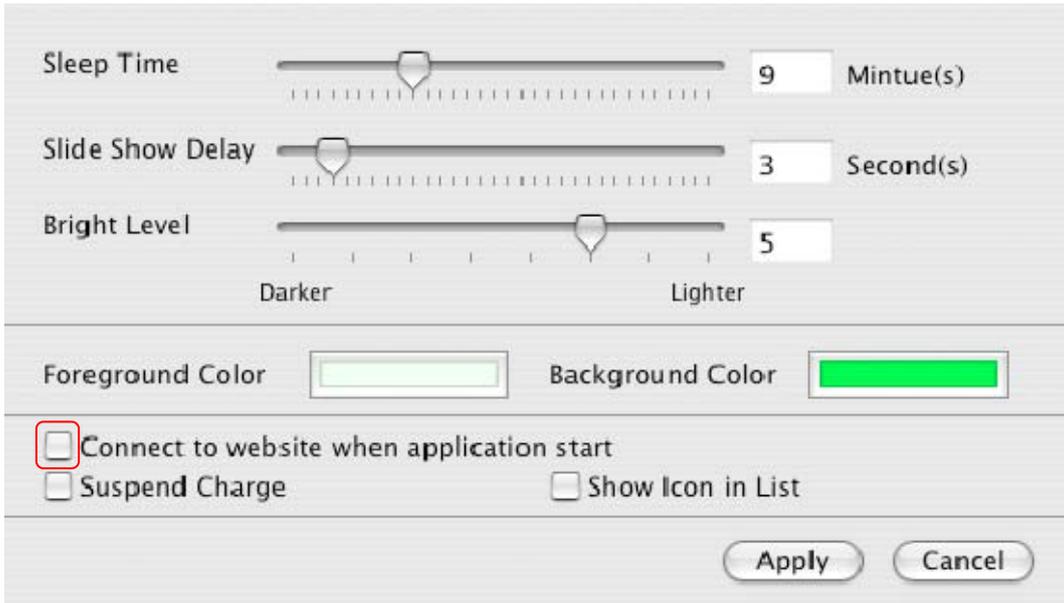


Figure 2-28 Setting – uncheck connect to website when application start

### 2-7-7. Suspend Charge

If you check the Suspend Charge check box, the device will charge the battery while the computer you plugged the device is into suspend mode. Otherwise, it will not charge the battery while the computer is into suspend mode.

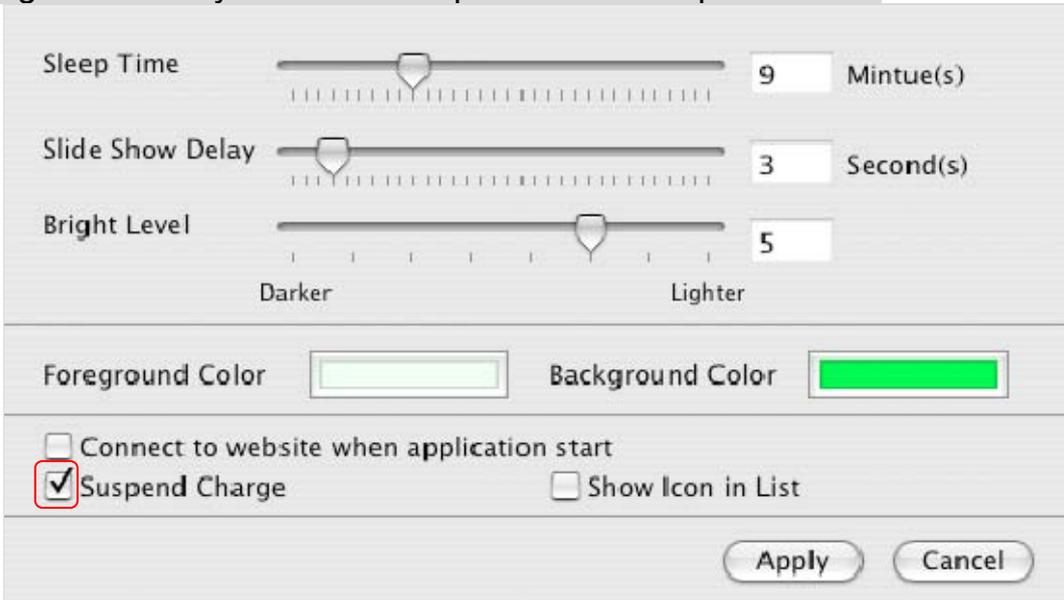


Figure 2-29 Setting – Check Suspend Charge

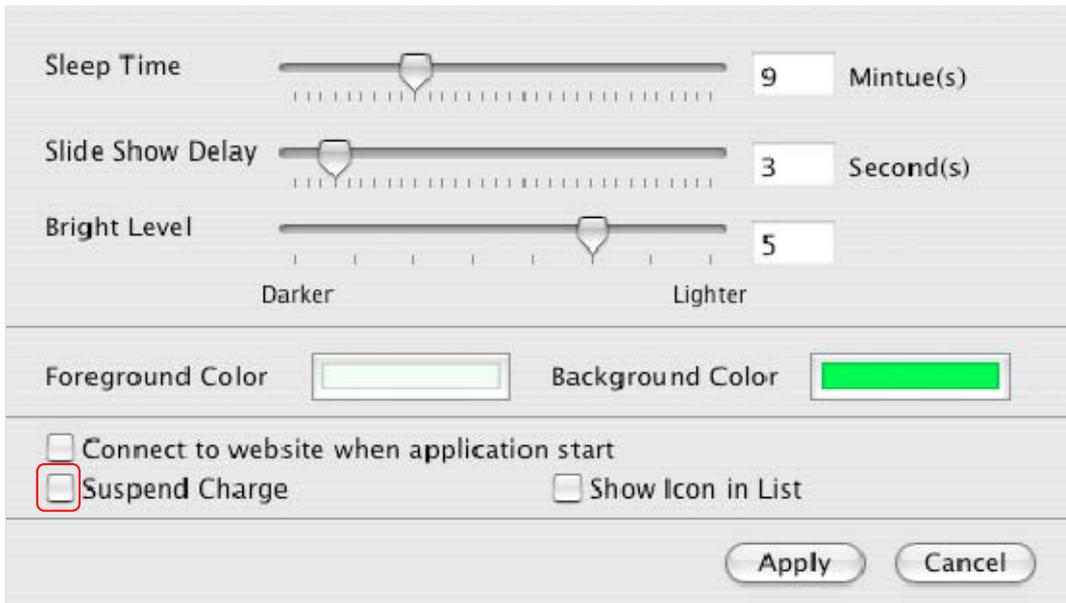


Figure 2-30 Setting – Uncheck Suspend Charge

### 2-7-8. Show Icon in List

You can check “Show Icon in List” check box to enable the main screen to show the icon. Like Figure 2-32 shows, there is a Icon field show in the Picture List.

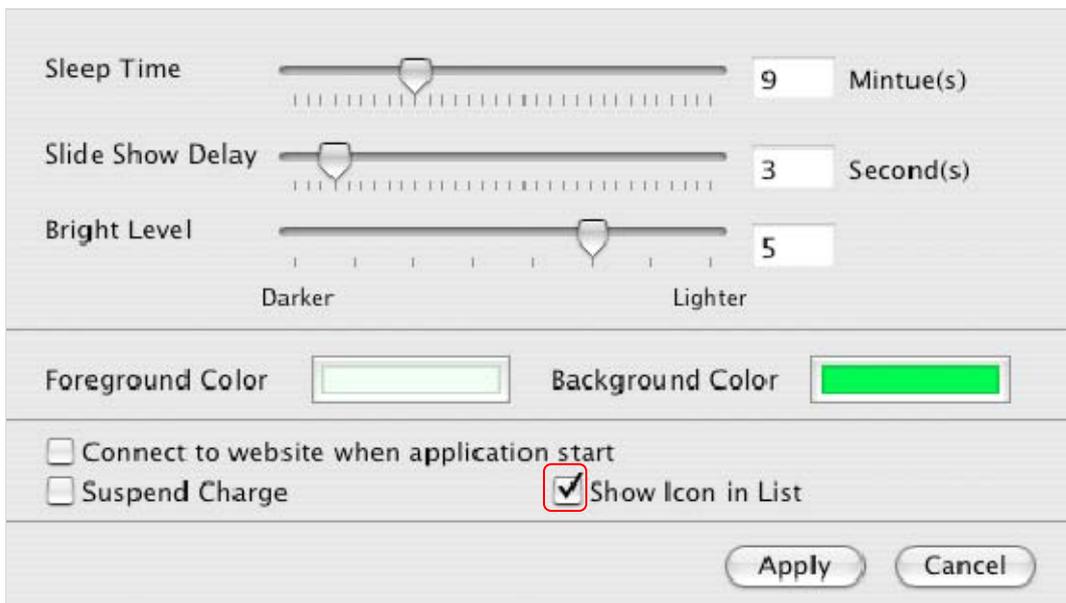


Figure 2-31 Setting – check show Icon in List

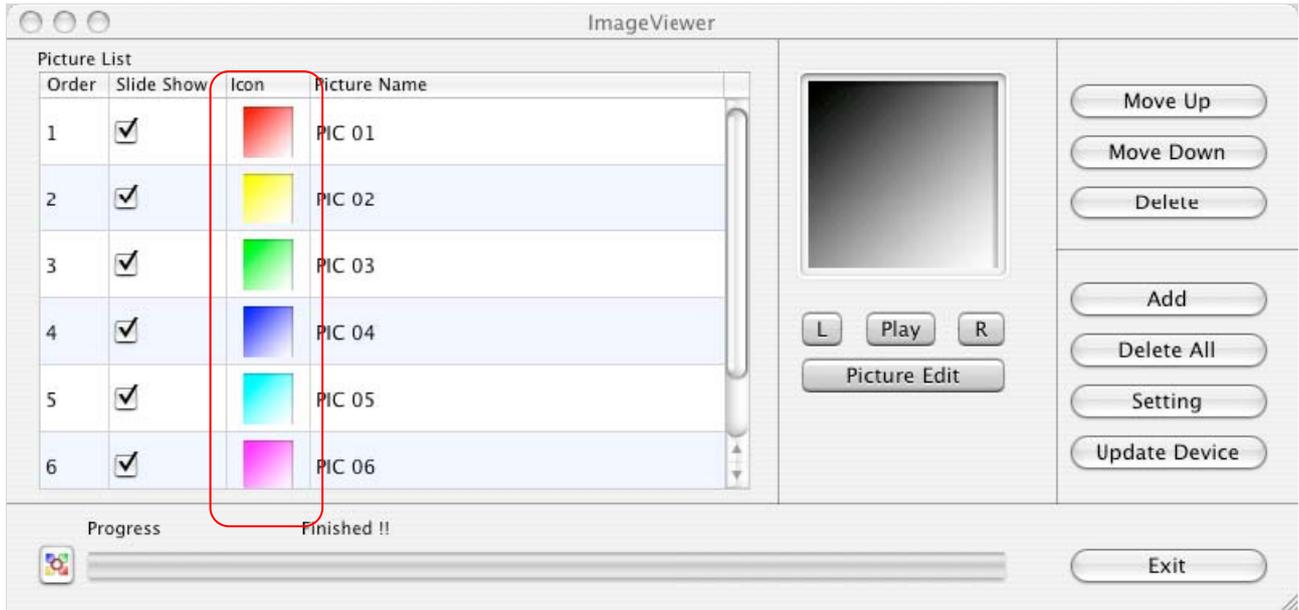


Figure 2-32 Main Screen when show Icon in List checked

### 2-8. Update Device

After you do any action to the ImageViewer, you have to press the “Update Device” button. If you do not press the “Update Device” button, any change will be lost after you press the “Exit” button.

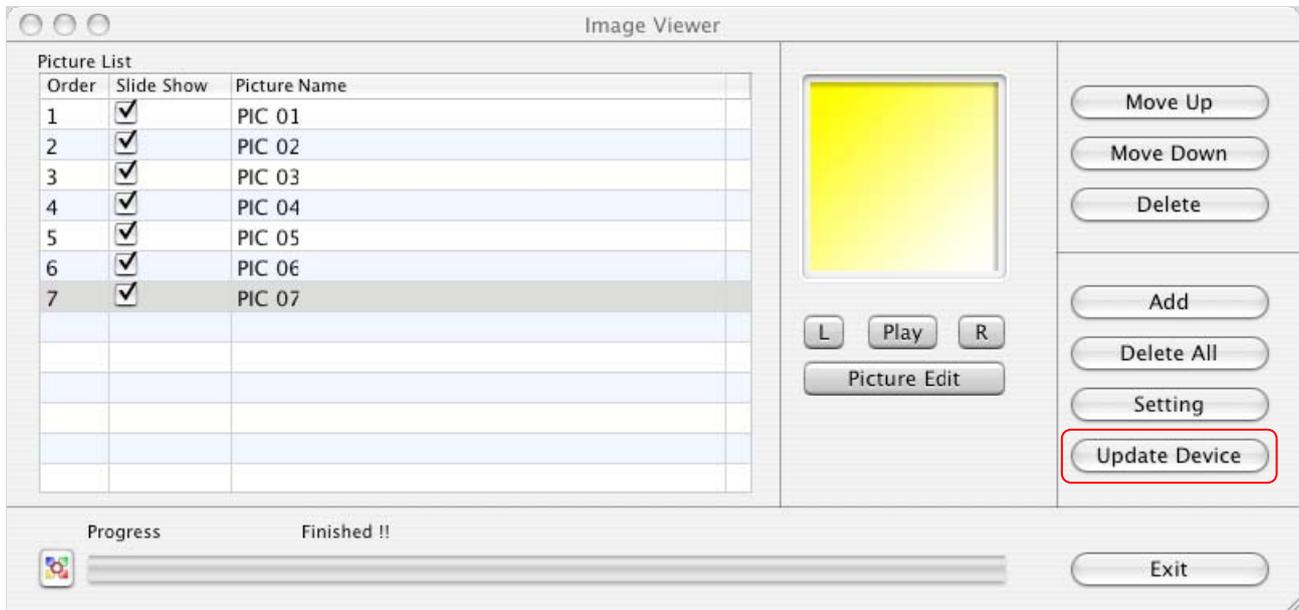


Figure 2-33 Update Device

## 2-9. “R”ight / “L”eft rotate

You can right or left rotate the picture you point. You can press the “R” button or “L” button to rotate the picture. You can see if you press the “R” button, the picture will right rotated, like figure 2-30 shows. You also can press the “L” button to left rotate the picture like 2-31 shows.

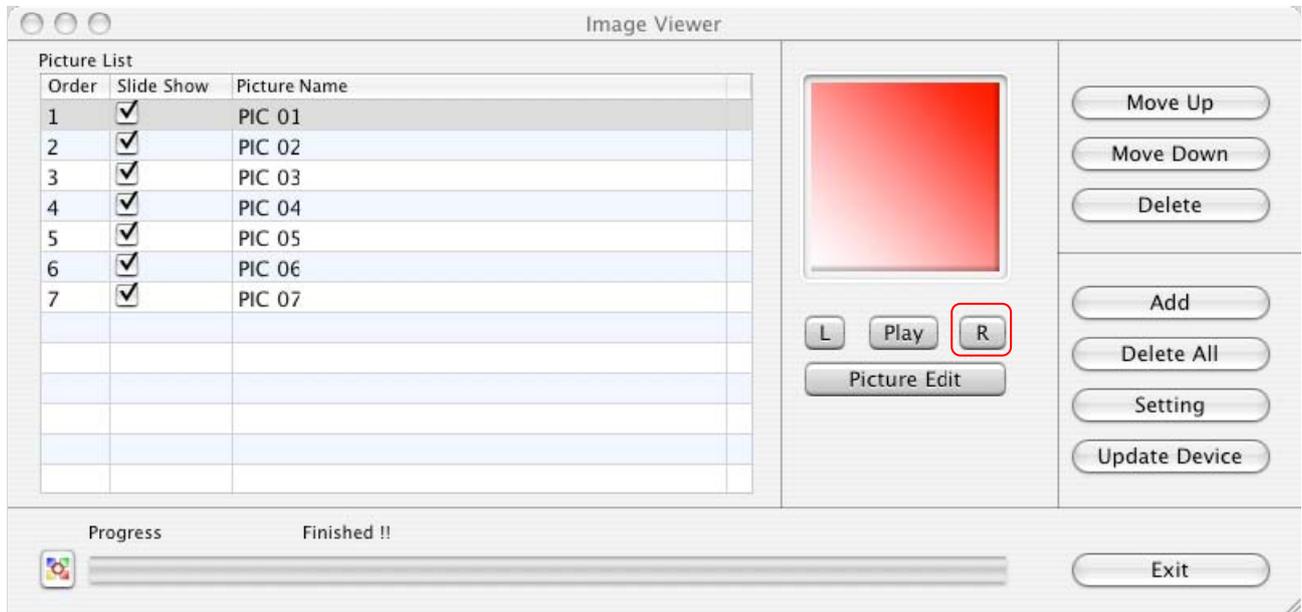


Figure 2-34 Right rotate

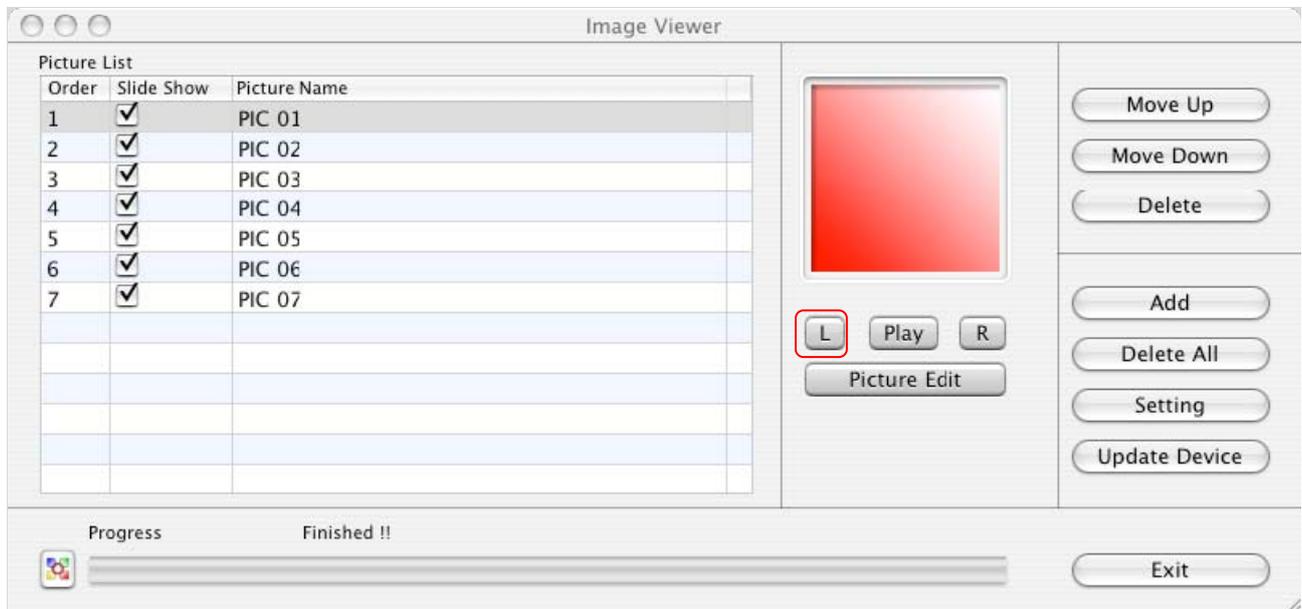


Figure 2-35 Left rotate

## 2-10. Play

You can press the “play” button let the pictures like a slide show. You will see the image changes and the message line changes while the slide show is running. Once you press the “play” button, the play button will change to stop. If you want to stop the slide show just press “stop” button, which like figure 2-33.

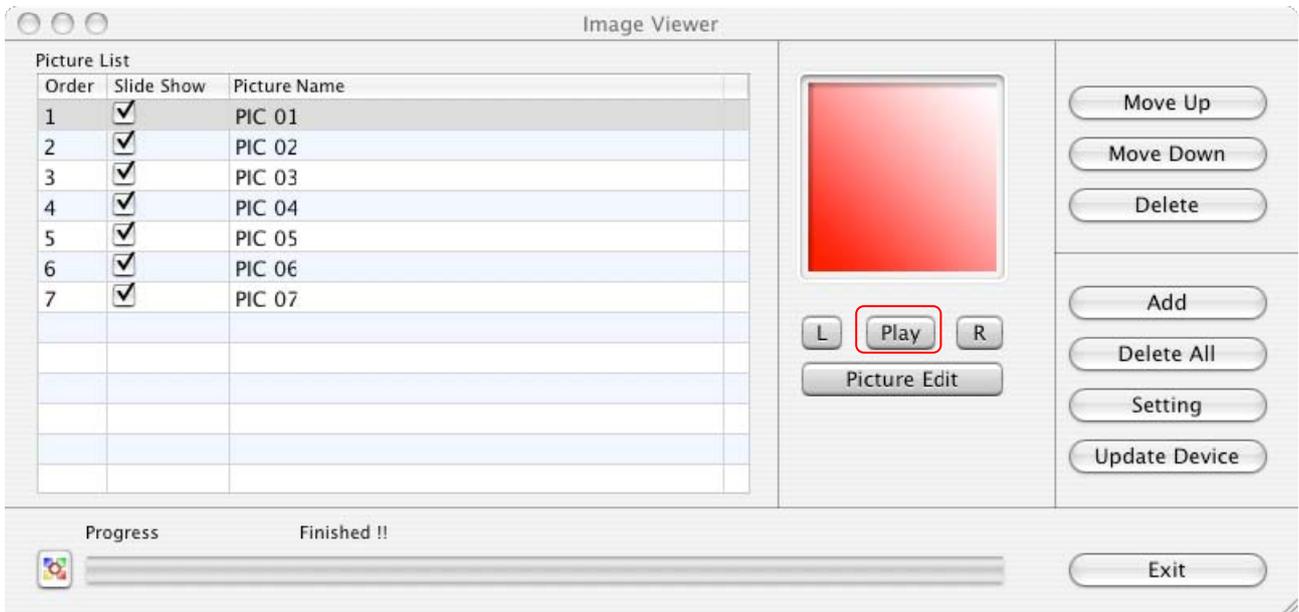


Figure 2-36 Play – Play slide show

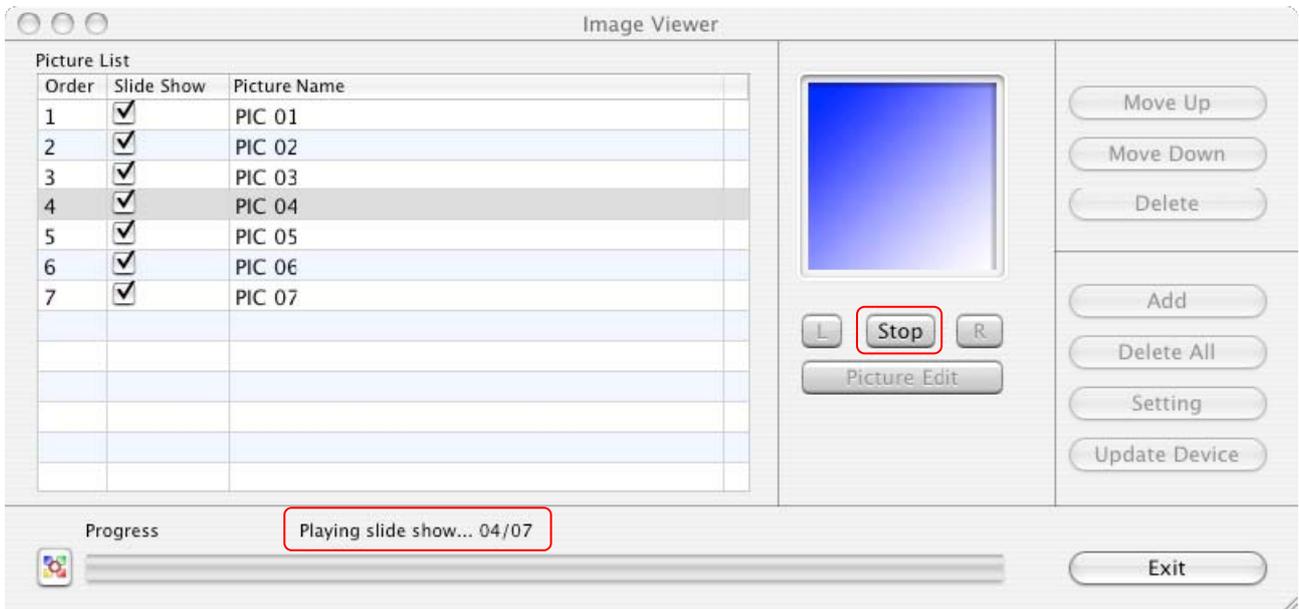


Figure 2-37 Play – stop the slide show

## 2-11. Picture Edit

Picture Edit only works when you add a new picture. Otherwise it would not work. If the picture is large than 128\*128 pixel, you can cut some part that you need. Contrariwise, if your picture is less than 128\*128 pixel, you can scale the picture to full screen. Once you press the “Picture Edit” button new window appears, like figure 2-34.

### 2-11-1. Auto Scaling

You can cut the part you need, or you can expand to full screen. After you figure out which part you want in the picture, you can press the “Preview” button to see the effect in the preview image. You can cut the same width and height, this will let preview image shows the picture in same ratio, which like figure 2-34. Auto scaling option helps you to expand the picture. If you do not check the “Auto scaling” option, the preview image will fit the larger width or height. You will see the background color in the rest part, like figure 2-35. If you check Auto scaling, you will see the picture is expanded to the preview image, like figure 2-36.

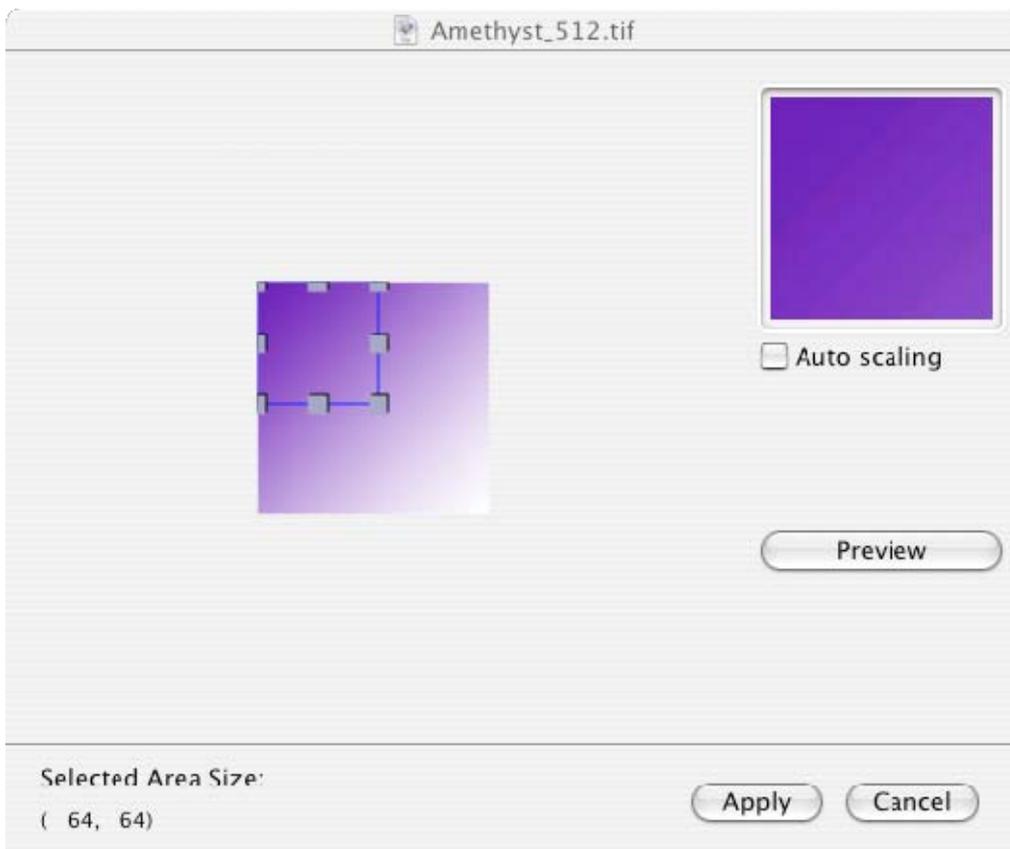


Figure 2-38 Picture Edit – same width and height

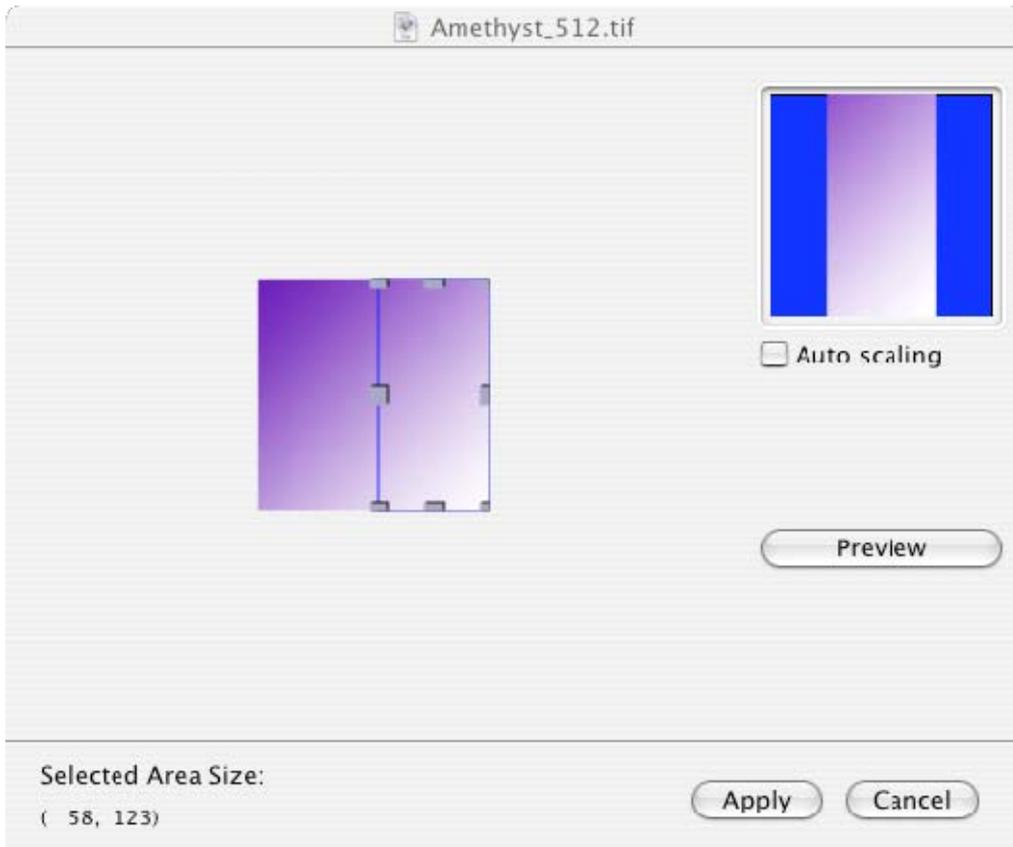


Figure 2-39 Picture Edit – different width and height (without auto scaling)

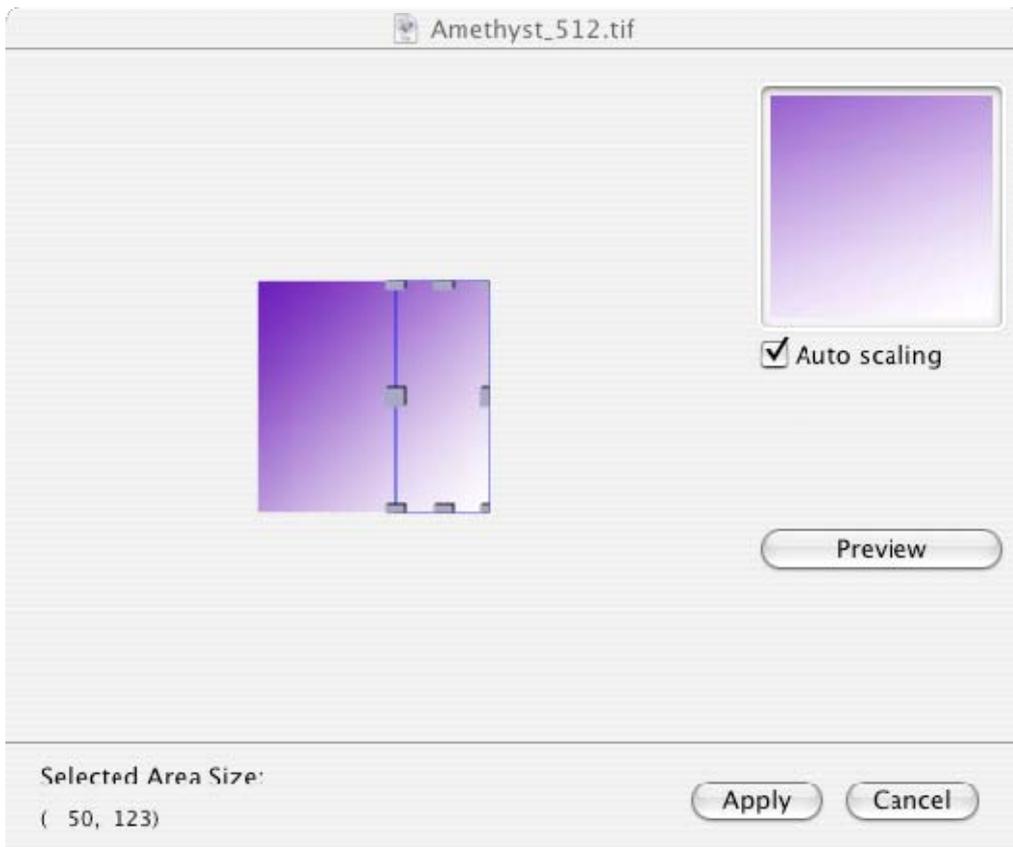


Figure 2-40 Picture Edit – different width and height (with auto scaling)

## 2-12. About

If you press the ImageViewer icon left bottom side, like figure 2-37, the about window will appear. The about window is like figure 2-38. you can press the close button to close the window.

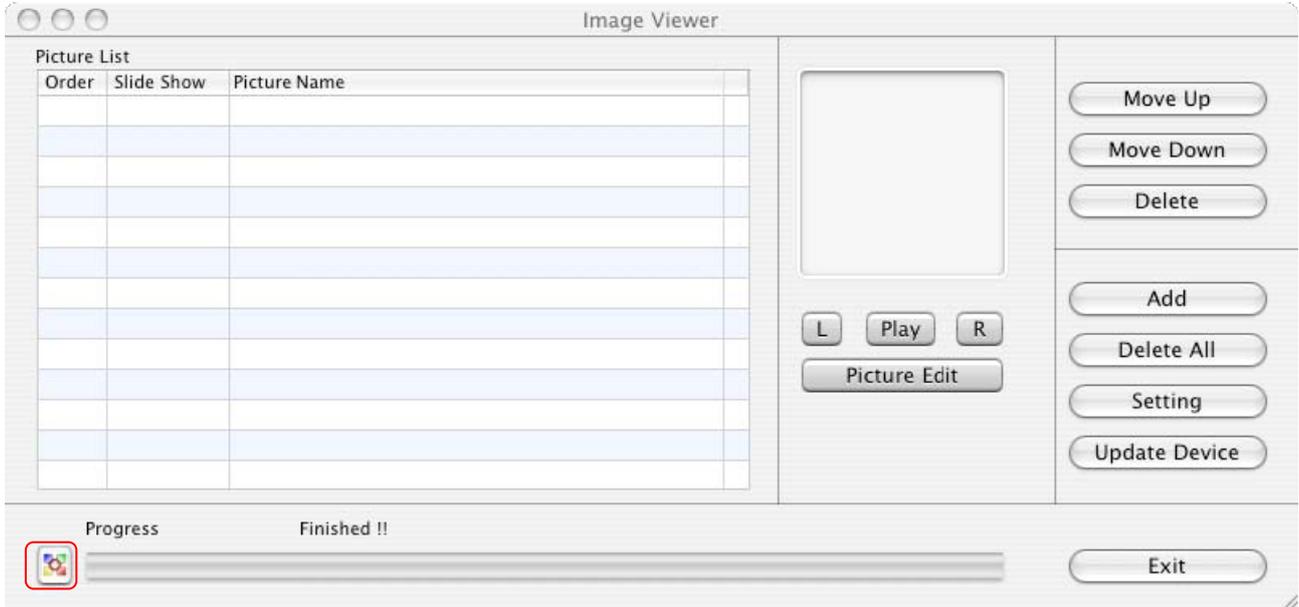


Figure 2-41 About window



Figure 2-42 About window

### 2-13. Exit

When you want to exit the program, you can press the “Exit” button, like figure 2-39. There is a message box appeared, you can see it in the figure 2-40. We suggest that you press “yes” button if you really want to exit the program. That’s a safe way to remove the device.

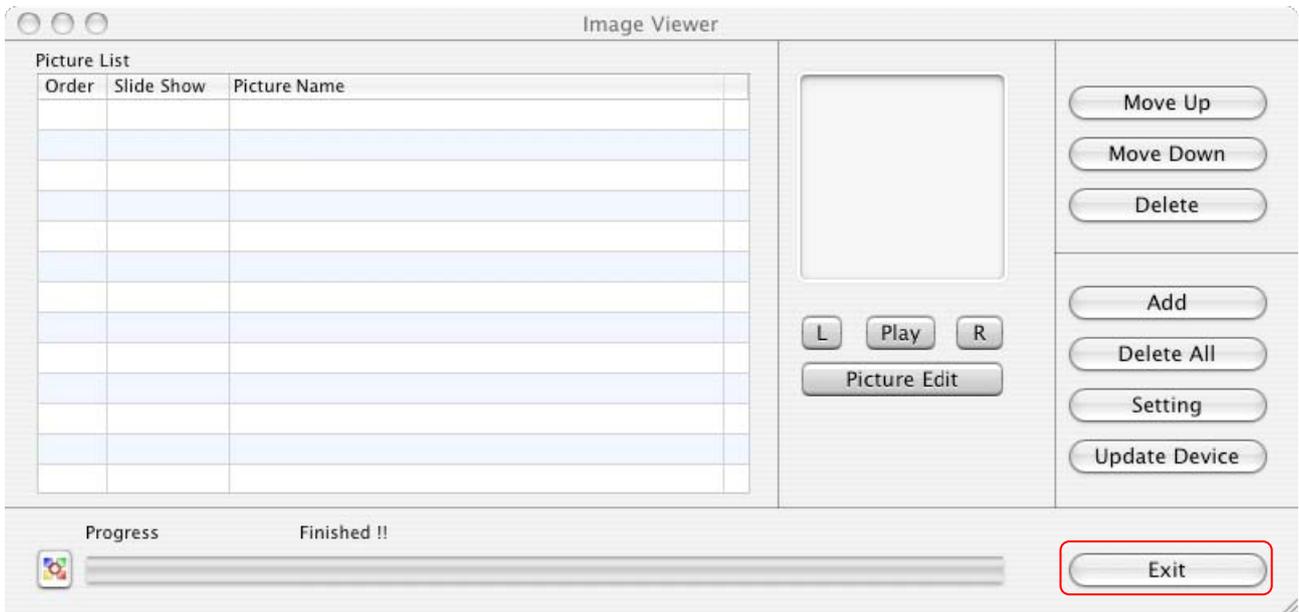


Figure 2-43 Exit



Figure 2-44 Exit window