

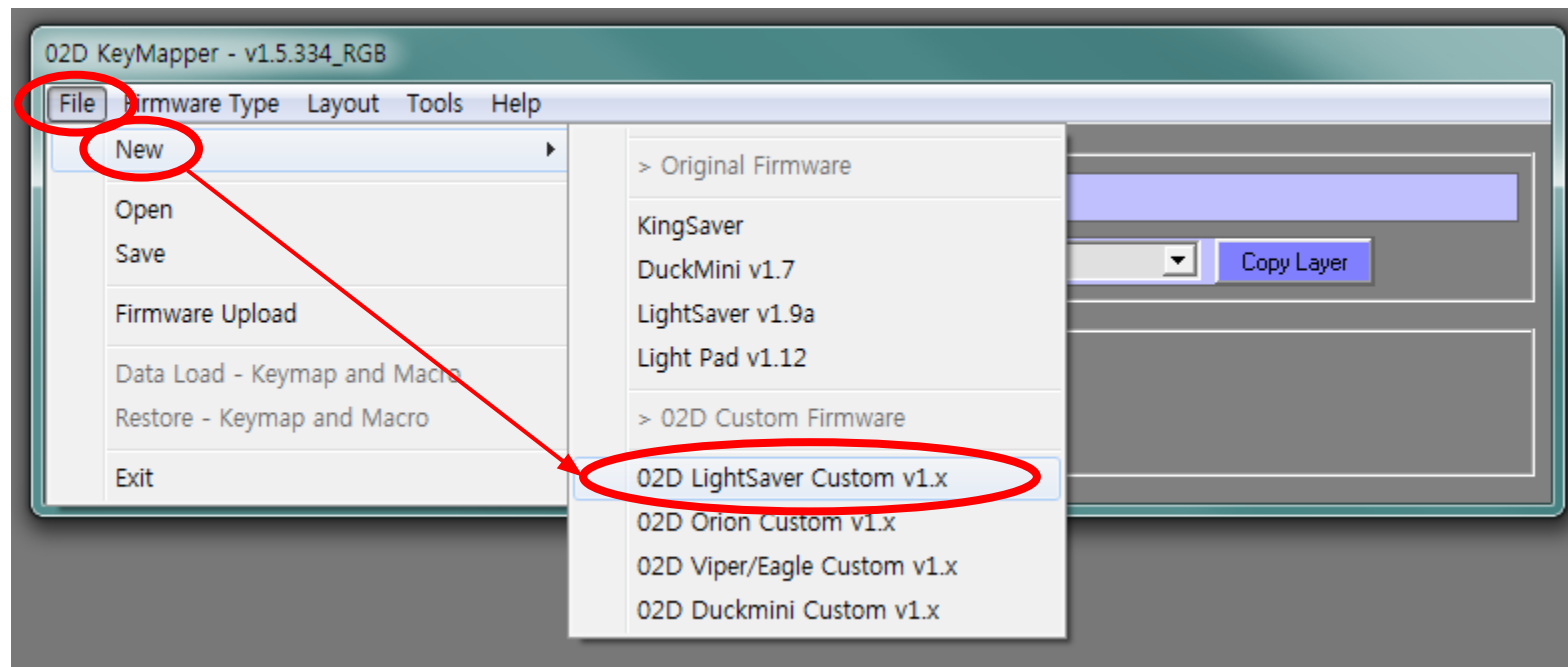
LightSaver V2

Layout Editing and Firmware Updating Tutorial

Special Keys

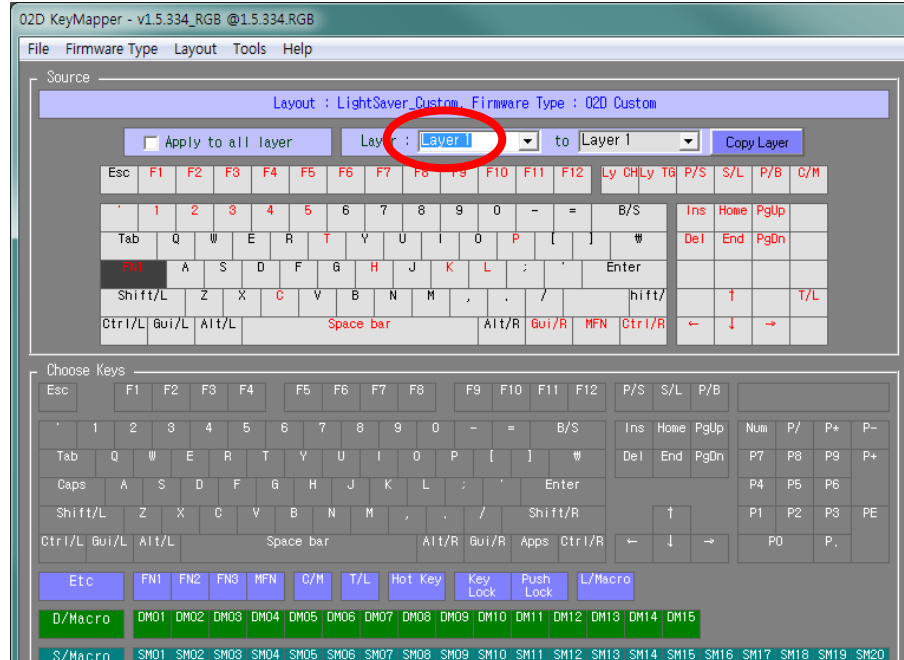
Category	Key Name	Explanation	Remark
Miscellaneous	FN1~FN3	While you are press the FN1, the keyboard layout is temporaly changing to 'Layer FN1'	
LED	LED Ctrl	To Enter LED control mode in/out	
LED	R Mode	To select specific LED area	
LED	G Set1	To select specific LED area	
LED	B Set2	To select specific LED area	
LED	LED Pad	To select keypad LED area	
LED	LED Side	To select sides LED	
LED	LED UP/DN	To adjust the brightness of the selected areas	

Layout Editing



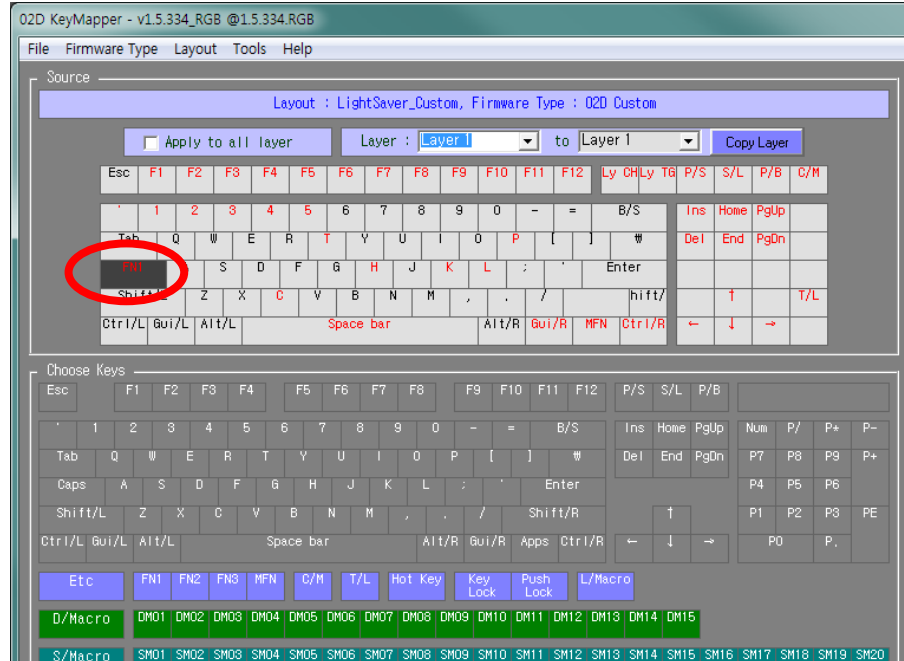
Select '02D LightSaver Custom v1.x' menu

Layout Editing



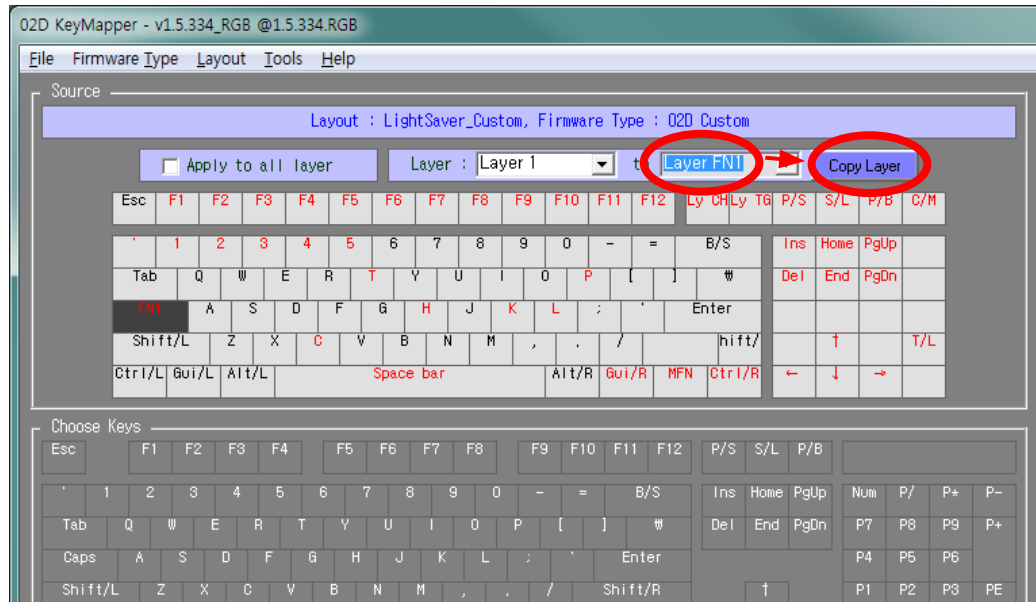
Select 'Layer 1' as the current editing layer(Default)

Layout Editing



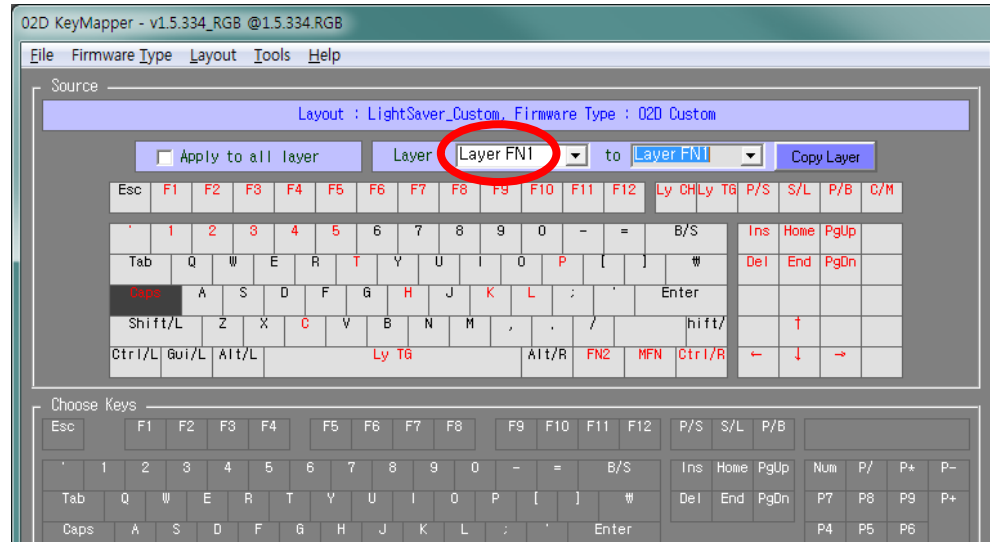
Edit Layer 1 as you like, but you must set FN1 key in Layer 1.
In this example, I set FN1 at Capslock key position.

Layout Editing



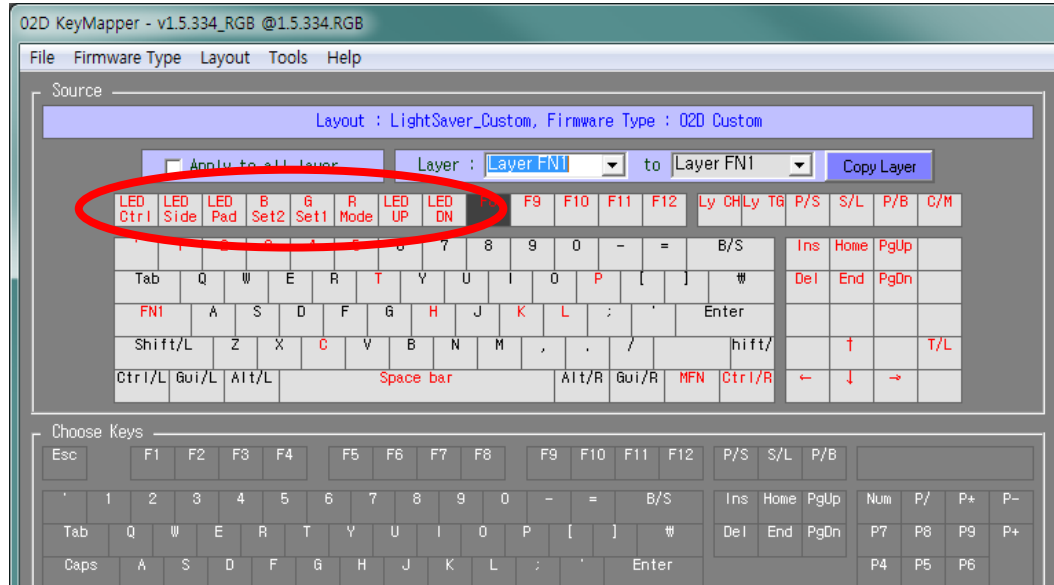
Once you finish editing Layer 1, click 'Layer FN1' and click 'Copy Layer'

Layout Editing



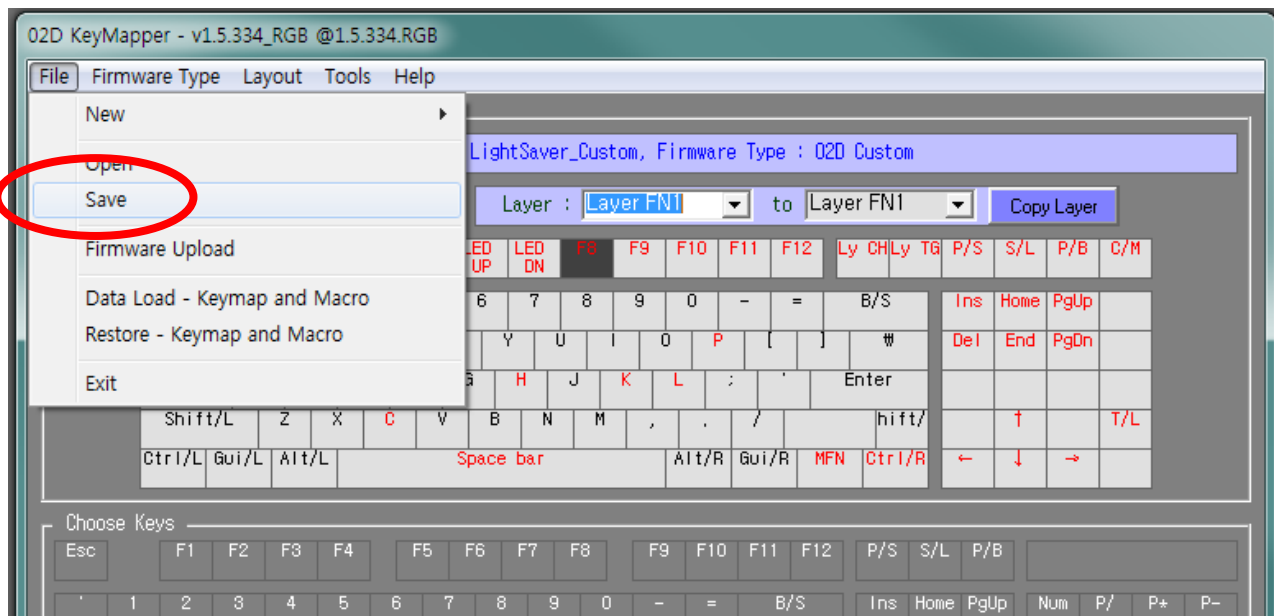
Select 'Layer FN1' as the current editing layer

Layout Editing



Assign LED keys to any position you want.
In this example, I assigned them to ESC~F7

Layout Editing



Save layouts.

Firmware Updating(Install FLIP)

Please visit the following website.

<http://www.atmel.com/tools/flip.aspx>

Download second option(the biggest one) and install it.

***If you installed it before, you don't need to install it again.**

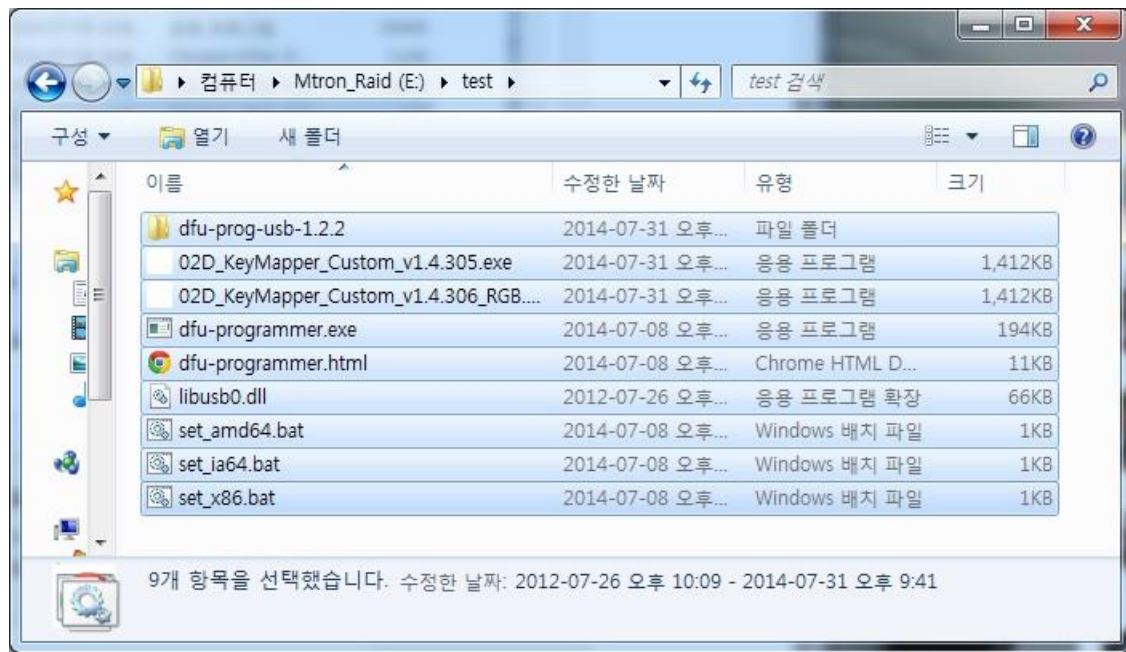
Firmware Updating(Install DFU-Programmer)

Please visit the following website.

<http://sourceforge.net/projects/dfu-programmer/files/dfu-programmer/0.7.0/>

Download dfu-programmer-win-0.7.0.zip and unzip it in the O2D keymapper folder .

Firmware Updating(Install DFU-Programmer)



After you unzip DFU-Programmer, the folder should be similar to the picture.

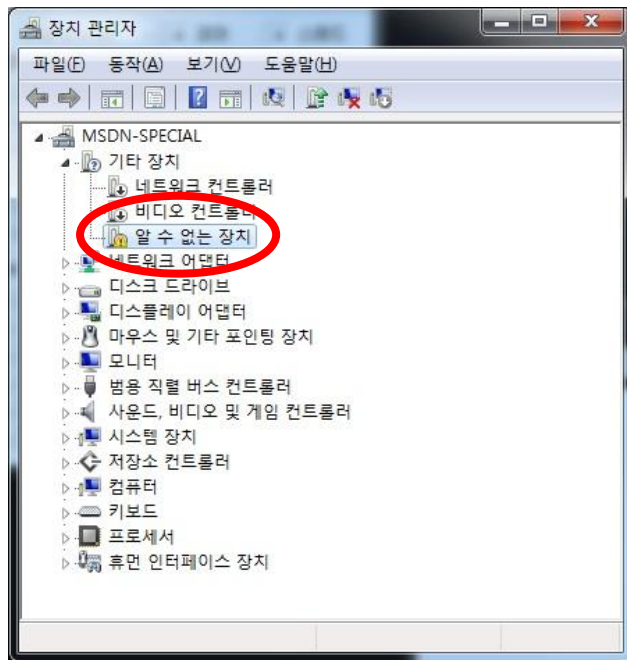
Firmware Updating(Install Driver)

Entering DFU Mode

1. Unplug USB cable from LightSaver V2
2. Hold DFU key(Right key just above Backspace key) and Plug USB cable to LightSaver V2
3. Release DFU key

***If you installed it before, you don't need to install it again.**

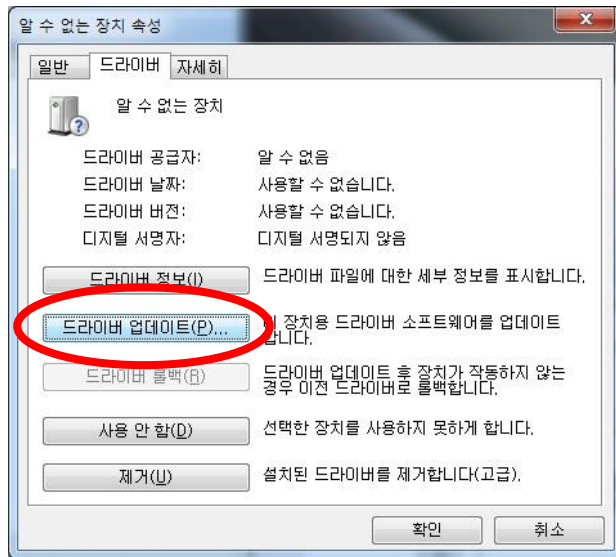
Firmware Updating(Install Driver)



Launch 'Device Manager'.
right click the unknown device and select property

***If you installed it before, you don't need to install it again.**

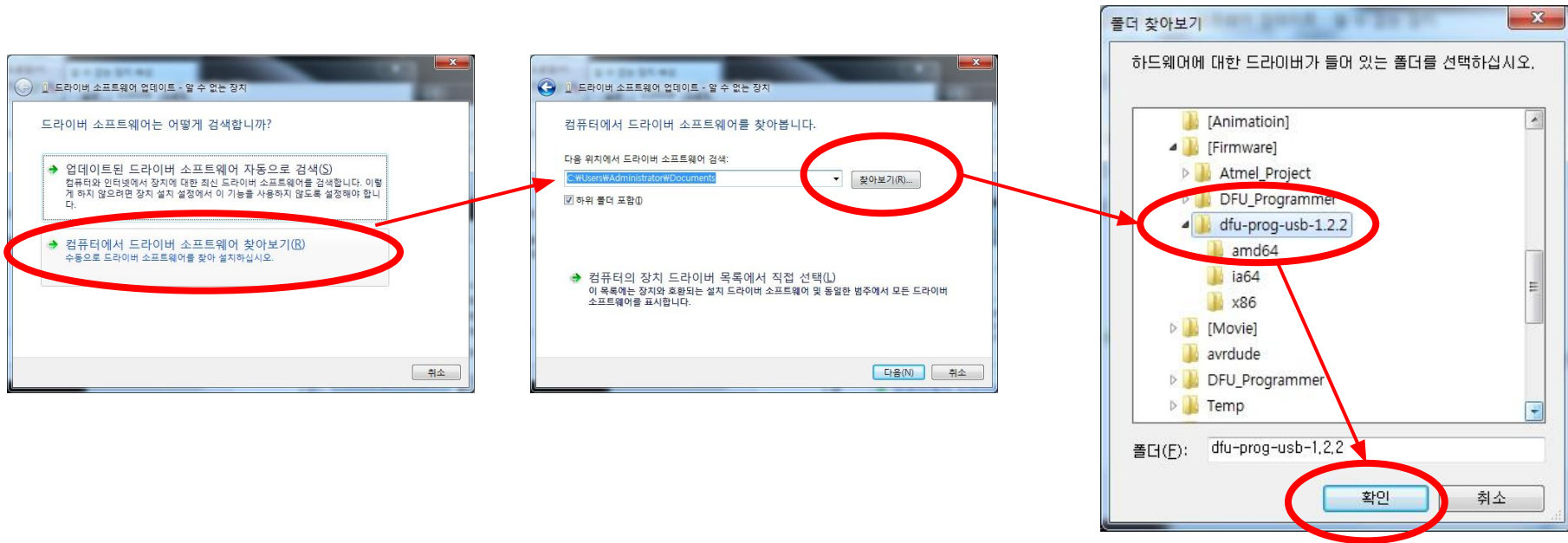
Firmware Updating(Install Driver)



Select Update Driver and install the driver file

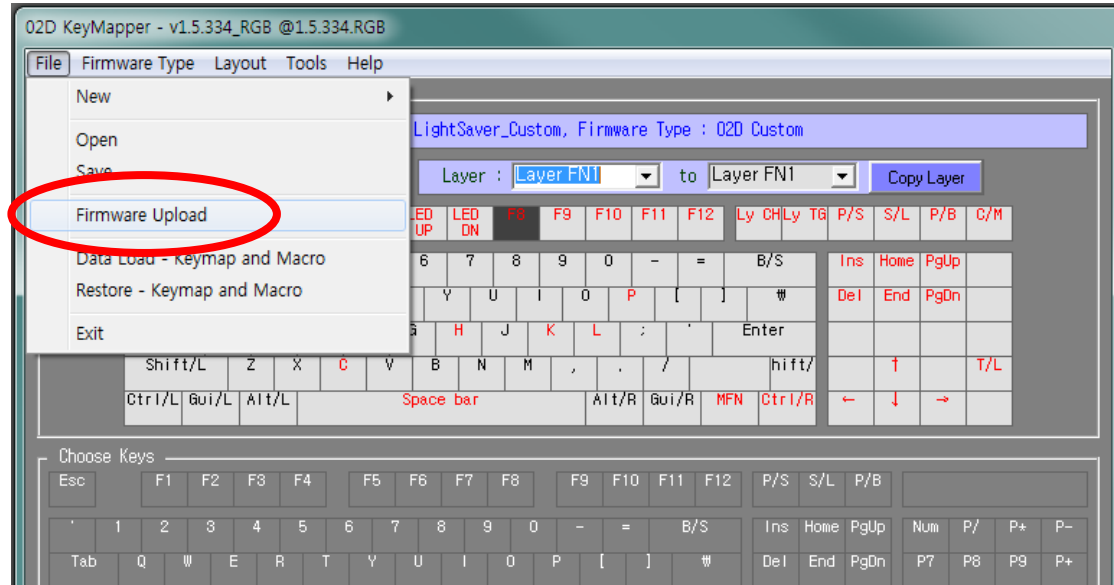
***If you installed it before, you don't need to install it again.**

Firmware Updating(Install Driver)

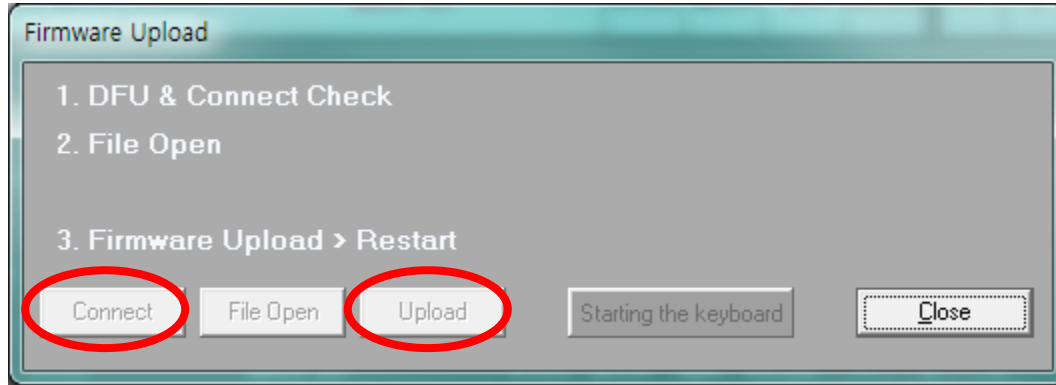


***If you installed it before, you don't need to install it again.**

Firmware Updating



Firmware Updating



Unplug USB cable from LightSaver V2

Hold DFU key(Right key just above Backspace key) and Plug USB cable to LightSaver V2

Release DFU key

Click Connect button on the program

Click Upload button on the program

Adjust Side LED Brightness

1. Press 'LED Ctrl'(In this example, press FN1 and ESC)
2. Select 'LED Side'(In this example, press FN1 and F1)
3. Hold 'LED UP/DN'(In this example, press FN1 and F7/F8) until you like the brightness