LFG Quick Start Guide - Mac OS X platform

QUICKSTART GUIDE

1) Fitting the Card

1. Take anti-static precautions.
2. Power off and open up the computer.
3. Please note: The LFG card is keyed so that it can only be fitted into a slot in which it will work. DO NOT modify the LFG card or the motherboard in an attempt to override the keying as this could result in serious damage.
4. PCI and PMC versions: Insert the LFG card into a spare PCI or PMC slot.
5. PC/104-Plus version: See the "LFG Hardware Guide - PC/104-Plus".
6. Close and power on the computer.

2) Installing the Driver & Demo Applications

Mac OS X v10.3 and above

1. Insert the CD and double click the resulting desktop CD icon 'LFGVx_y'.
2. Double click on the finder window icon 'lfgvx_y.dmg'.
3. Double click on the desktop disk image icon 'LFG_x_y'.
4. Double click the package icon 'LFG_x_y.pkg', located in the 'dmg' window.
5. Follow the on-screen instructions.

3) Run the Demo Application to get a Live Picture

1. Click on the 'Applications' icon on the finder window toolbar.
2. Double click on the folder 'Active Silicon', and then 'LFG'.
3. Double click on the 'livewin' application icon.

Keystroke Controls:

L	Live
F	Freeze
P	PAL - Toggles round: *768x576 / 192x144 / 384x288 (default)*
N	NTSC - Toggles round: *640x480 / 160x120 / 320x240*
1	Select Composite Input 1 (default)
2	Select Composite Input 2
3	Select Composite Input 3
4	Select Composite Input 4
S	Select S-Video Input
D	Field Acquisition - Toggles round: *Field 1 / Field 2 / Both not Reinterlaced / Both Reinterlaced (default)*
Z	Image Processing Example - Toggles round: *On / Off (default)*
T	Save image as TIFF (8/24 bit) - out.tif - NB: Image is saved as /Users/Shared/out.tif
J	Save image as JPEG - out.jpg - NB: Image is saved as /Users/Shared/out.jpg
A	Acquisition type - Toggles round: *External Trigger Mode / Normal Free Run (default)*
B	Color Bars (Test image) - Toggles round: *On / Off (default)*
M	Mono
C	Color
Y	Luma Notch Filter - Toggles round: *Off / On (default)*
Q	Quit

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4) Other Example Applications

▪ Livewin Example Application

This is the demo application as described overleaf. Any images saved using the 'T' or 'J' keystrokes are saved to the directory '/Users/Shared/'.

▪ Simple Example Application

This is a very simple example of terminal window video acquisition. The console application opens the LFG hardware, acquires 100 images and then saves the last one as '/Users/Shared/out.tif'.

▪ Record Example Application

This streams 'live' video to the hard disk. The application opens the LFG hardware, and records 200 JPEGs to the directory '/Users/Shared/'.

▪ Note

The full source code to all the example applications is available by purchasing the LFG Software Development Kit (SDK). Please see the website below for details.

5) Uninstalling the Driver & Demo Applications

You will need to know the root/Administrator password to perform a driver uninstall.

1. Open up a terminal window from a 'Finder' window:
   Run '/Applications/Utilities/Terminal'.

2. Type the following commands exactly as shown:
   ```
   sudo rm -rf /Library/Frameworks/cdalib.framework
   sudo rm -rf /Library/Frameworks/lfglib.framework
   sudo rm -rf /Library/Frameworks/tmglib.framework
   sudo rm -rf "/Library/Documentation/Active Silicon"
   sudo rm -rf "/Applications/Active Silicon"
   sudo rm -rf /System/Library/Extensions/cdapci.kext
   exit
   ```

3. Then close the terminal window, shutdown and restart the computer.

SUPPORT

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