NAME

leoconfig – initialize the Leo (ZX and TZX) Graphics Accelerator and download microcode

SYNOPSIS

/usr/sbin/leoconfig [**–c**] [**–h**] [**–i**] [**–v**] [**–d** *device_filename*] [**–f** *filename*]
[**–g** *gamma_value*] [**–I** *microcode_directory*] [**–l** *leofloat_enable*]
[[**–degamma8 on** | **off**] | [**–DEGAMMA8 on** | **off**]] [**–m** *monitor_type*]
/usr/sbin/leoconfig –G *gamma_value* [**–v**]
/usr/sbin/leoconfig –M *monitor_type* [**–v**]

AVAILABILITY

SUNWleow

DESCRIPTION

The **leoconfig** command initializes the Leo (both ZX and TZX) Graphics Accelerator and downloads microcode from the host. **leoconfig** is normally run as a part of the **/etc/init.d/leoconfig** script to download the Leo microcode file and to complete Leo initialization. The standard version of the file **/etc/init.d/leoconfig** runs **leoconfig** with the following command line options:

/usr/sbin/leoconfig ${MONTYPE} –d $devpath/$inst –I /usr/lib

If another configuration is desired, edit the leoconfig script in the **/etc/init.d/leoconfig** file.

It is inadvisable to run the **leoconfig** command while the configured device is being used; unpredictable results may occur. To run **leoconfig**, first bring the window system down.

Only **root** can run this command.

File names may be either relative or absolute path names. Relative path names are prepended with the path specified by **–I**, or the default path **/usr/lib**.

OPTIONS

The following options are supported:

–c Checks that the microcode has loaded correctly.

–d *device_filename*
Specifies the Leo special file. The default is **/dev/fbs/leo0**.

–degamma8 on | **off**
Specifies automatic inverse gamma correction of 8-bit indexed color maps. This allows color maps with built-in gamma correction to work properly on Leo. The default is **on**.

–DEGAMMA8 on | **off**
Like the **–degamma8** option but only specifies automatic inverse gamma correction; does not otherwise initialize Leo or download microcode.

–f *filename* Specifies the microcode file. The default is **leo.ucode**.

–g *gamma_value*
Specifies the gamma correction value. The default is **2.22**.

–G *gamma_value*
Loads the gamma correction table only; does not initialize Leo or download microcode. Any other option besides **–v** will cause an invalid option message

to be displayed.

–h Display help menu of valid command arguments.

–i Initialize the Leo system.

–I *microcode_directory*
Specifies the directory containing the microcode files. The default is **/usr/lib**.

–l *leofloat_enable*
Specifies the LeoFloat enable mask in decimal form (one bit per float). The default for model ZX is **15**. The default for model TZX is **255**.

–m *monitor_type*
Specifies the monitor type, where *monitor_type* must be one of the following:

1280_76	1280 × 1024 @ 76 Hz, non-interlaced.
1280_67	1280 × 1024 @ 67 Hz, non-interlaced.
1152_76	1152 × 900 @ 76 Hz, non-interlaced.
1152_66	1152 × 900 @ 66 Hz, non-interlaced.
1024_76	1024 × 768 @ 76 Hz, non-interlaced.
1024_60	1024 × 768 @ 60 Hz, non-interlaced.
stereo_108	960 × 680 @ 108 Hz, non-interlaced, stereo.
stereo_114	960 × 680 @ 112 Hz, non-interlaced, stereo.
pal	770 × 575 @ 50 Hz, interlaced (PAL).
ntsc	640 × 480 @ 60 Hz, interlaced (NTSC).

–M *monitor_type*
Specifies the monitor type only; does not initialize the Leo or download microcode. Any other option besides **–v** will cause an invalid option message to be displayed. The *monitor_type* value is the same as for the **–m** option.

–v Verbose. Display detailed progress reports.

EXAMPLES

The following example switches the monitor type to the maximum resolution of 1280 × 1024 at 76 Hz:

example% /usr/sbin/leoconfig –M 1280_76 –v

EXIT STATUS

0 success

1 an error has occurred

FILES

/dev/fbs/leo0	device special file
leo.ucode	Leo microcode file
/usr/lib	directory that normally contains microcode file
/etc/init.d/leoconfig	local Leo initialization script

SEE ALSO

mmap(2), **fbio**(7I), **leo**(7D)