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Elo Touchscreen Linux Driver - APR (USB)

Intel i686 (32 bit) or AMD64/Intel (64 bit)

List Of New Features & Changes

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Version 2.2.0  
October 07, 2010  
Elo TouchSystems

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Summary of new features & changes in driver v2.2.0:

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1. Support for APR Interactive Digital Signage (IDS) products. This includes support for USB stick based external characterization data file(AprCF.bin). See the readme.txt file for more details.
  2. Support for APR touchscreens based on the new APR 7002 controller.
  3. Support for faster download of inbuilt characterization data file from the APR touchscreens using the APR 7002 controller.
  4. Support for newer version of characterization data file and file integrity checks.
  5. Support to recover from Flash communication errors and retry touchscreen initialization process.
  6. Addition of new commandline option(--linearinputgain) in the driver, to change the linear input gain index.
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Previous Versions:

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Version 2.1.0  
January 14, 2010  
Elo TouchSystems

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Summary of new features & changes in driver v2.1.0:

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1. Support for 64 bit AMD/Intel x86\_64 platform added. Visit the Linux downloads section at [www.elotouch.com](http://www.elotouch.com) to download the 64 bit AMD/Intel x86\_64 platform driver package or the standard 32 bit Intel i686 (x86) platform driver package.
2. It has been tested on recent Linux distributions including Fedora, OpenSuse, Ubuntu, Debian, Gentoo, Slackware, Mandriva, Suse Linux Enterprise, Redhat Enterprise Linux for Intel i686 platform and AMD64 (x86\_64) platform.
3. Support for Motif version 4.0 [libXm.so.4].

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Version 2.0.0  
October 20, 2009  
Elo TouchSystems  
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Summary of new features & changes in driver v2.0.0:  
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1. Supports latest 32 bit(i686) Linux kernels(kernel 2.6.25 and newer). It has been tested on SLES 11 and Ubuntu 9.04 Linux distributions.
2. Elo APR touchscreen driver components now require the new libusb-1.0 library support (older libusb-0.1 library will not work). Most newer Linux distributions have started shipping this library(update to the popular libusb-0.1 library) as a part of their standard release. Customers can also download and compile the libusb-1.0 library from source available at libusb website. This driver will NOT work with the older libusb-0.1 library.
3. Supports only one video and one APR touchscreen configuration. Plug and play option requires UDEV support in the Linux distribution. The driver requires Xorg Xwindows to provide touch input to the Xserver.
4. Provides support for different APR modes tailored to suit various applications [Point of Sale / General / Signature / Gaming] through driver commandline options. See the readme.txt for various commandline options available for the Elo APR driver(eloapr).
5. Provides support to optimize the APR driver modes further using custom parameters. If the standard APR modes are not suitable, please contact Elo tech support for help with custom APR parameters.
6. Provides touchscreen support for various video rotation modes [0, 90, 180 and 270 degree angles] using driver commandline option.
7. Provides beep on touch feature by default, but can be disabled using driver commandline option.
8. Provides option to bypass the X authentication procedure to support Xorg Xservers that do not require authentication (Embedded systems) using driver commandline.
9. Provides graphical window to display progress of touchscreen characterization data download.
10. Provides graphical and commandline based control panel utilities.

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Known Issues in driver v2.0.0 :  
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1. In certain Linux distributions, when the Properties tab in the graphic control panel or the diagnostics option (option 7) in the commandline control panel is selected, a touch input may be needed to display the device information.

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