

The LX-Viewer Installation Guide



Lx-Viewer <http://lx-viewer.sourceforge.net>

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Introduction

LX-Viewer is a program that will allow you to open, view and print DWG or DXF files, typically used in AutoCAD related technical drafting. You may zoom and pan the drawing as you would in AutoCAD. Files can be saved to DWG or DXF formats from AutoCAD version 2.5 to 2000 plus BMP and PNG formats. Files can be printed or plotted to a Postscript printer or to file. Layer states can be changed (on/off, freeze/thaw, etc) with a full layer dialog. The paperspace/model space toggle is fully implemented, as is the ability to select among various paperspace layouts for AutoCAD2000 drawings.

This guide is to provide you with an installation reference for all currently supported platforms, including Linux and Windows based systems. Locations for all the required packages will be given together with solutions for some commonly encountered errors, which are located in the troubleshooting section.

1.0 Installation on Linux RPM based systems

1.1 Overview

The RPM format is a packaged distribution method. With reference to the Lx-Viewer project, it allows a packaged distribution of the Lx-Viewer program in a compiled form with the likelihood of it working on the majority of systems.

1.2 Prerequisites/dependencies

For installation of the RPM you will require QT 3.0.5 or later. This should have been included in your distribution. On RPM based systems you can query its installation with

```
$> rpm -qa | grep -i qt
```

Which should return the name of the qt package installed on your system.

You will also need to download the lx-viewer RPM package from https://sourceforge.net/project/showfiles.php?group_id=30996

1.3 Installation

To install the Lx-Viewer rpm, simply use (as root)

```
$> rpm -i (packagename).rpm
```

Where (packagename) is the filename of the Lx-Viewer RPM you downloaded

1.4 Execution

Once installed lx-viewer can be started in an xwindows environment with

```
$> viewer
```

command line option can be run without an xwindows environment, type `viewer --help` for further details.

2.0 Installation from source on Linux based system

2.1 Overview

Installation from source allows you to compile for you specific paltform and architecture, allowing you to experiment and change/re-write the code if you wish.

2.2 Prerequisites/dependencies

A compiler and relevent environment for it to function in (eg gcc).

The qt libraries 3.0.5 or better will need to be installed and the paths to the qt libraries available to the environment when the compile is done. Qt libraries are available from

<http://www.trolltech.com/>

You will need to download the OpenDWG viewkit and toolkit from <http://opendwg.org> (this requires free registration.)

You will also need to download the lx-viewer source package from https://sourceforge.net/project/showfiles.php?group_id=30996

2.3 Installation

Unpack the lx-viewer sources with

```
tar -zxf (packagename).tar.gz
```

copy the OpenDWG files to the newly created Lx-Viewer folder

```
cp ad27.h viewer0.99e/viewer/OpenDWG/
```

2.4 Execution

Once installed lx-viewer can be started in an xwindows environment with

```
$> viewer
```

command line option can be run without an xwindows environment, type viewer –help for further details.

3.0 Installation on Windows 2000/XP systems

3.1 Overview

The installation executable has been compiled, contains the needed qt library and has an installation wizard front end.

3.2 Prerequisites/dependencies

You will need to download the lx-viewer windows package from https://sourceforge.net/project/showfiles.php?group_id=30996

There are no other prerequisites.

3.3 Installation

Double click on the installation executable to start the installation wizard. Read the text onscreen and follow the instructions.

3.4 Execution

Run Lx-Viewer by selecting its icon from the start menu.

4.0 Installation from source on Windows based systems

4.1 Overview

4.2 Prerequisites/dependencies

A compiler

The qt libraries 3.0.5 or better will need to be installed and the paths to the qt libraries available to the environment when the compile is done. Qt libraries are available from

<http://www.trolltech.com/>

You will need to download the OpenDWG viewkit and toolkit from <http://opendwg.org> (this requires free registration.)

You will also need to download the lx-viewer source package from https://sourceforge.net/project/showfiles.php?group_id=30996

4.3 Installation

4.4 Execution

5.0 Other Platforms

MacOSX – no progress as yet

Sharp Zaurus – no progress as yet

HP Jornada – no progress yet

6.0 Troubleshooting

6.1 “Qt not found” errors

Make sure the paths to your Qt libraries are set, as detailed in the installing from source section.

6.2 Running errors with Windows 95/98/ME

Currently Lx-Viewer doesn't work on Windows 95/98/ME. It runs but then slows the entire system to a halt. We're working on fixing this, Windows NT/2000/XP systems are apparently unaffected.