

LX Sim

Version 1.23



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1 Important Notices

The LXNAV system is designed for VFR use only as an aid to prudent navigation. All information is presented for reference only. Terrain, airports and airspace data are provided only as an aid to situation awareness.

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2 Introduction

2.1 What is LX Sim

LX Sim is a fully functional simulation tool for Windows operating system that allows you to experience the LX8000, LX8080, LX9000, LX9050 and LX 9070 on your personal computer. Within the manual following the symbols are shown.



Yellow triangle is shown for part of manual which should be read very carefully.



Bulb icon is shown when useful hint is given for reader.

2.2 System requirements

LX Sim is written for Windows operating system. Minimum requirements are simple:

- Pentium processor
- Windows XP or higher
- .NET Framework 2.0
- 20 MB of free disk space

2.3 Installing and uninstalling

Download installation program from our webpage www.lxnav.com then run it and follow on-screen instructions to complete the installation.

To uninstall a program, navigate to uninstall icon in LX Sim group and run it. You can also open Control panel, select Add or Remove programs, find LX Sim line and press Remove button.

2.4 Starting LX Sim

After successful installation a program group named LX Sim is created and an icon is placed on your desktop. Double click the icon to run.

2.5 Get in contact with us

In case you have difficulties understanding or running LX Sim or you discovered a bug, please send us an email to info@lxnav.com or call us +386 592 33 400.

Visit our webpage regularly for free updates and new help files.

3 Getting started

3.1 LX Sim window

Once a program is started the main window will display with the interface of LX9000 instrument. Instrument has full functionality and is controlled by clicking buttons and rotating knobs with you mouse as you would on the real one it. You can also rotate knobs by hovering over them with mouse cursor and scrolling up or down. Alternatively, you can use keyboard shortcuts described in the next chapter. In the top section of the window you will find menu bar.



All controls and functions of the instrument are described in the LX80xx&LX90xx manual that can be found on www.lxnav.com.

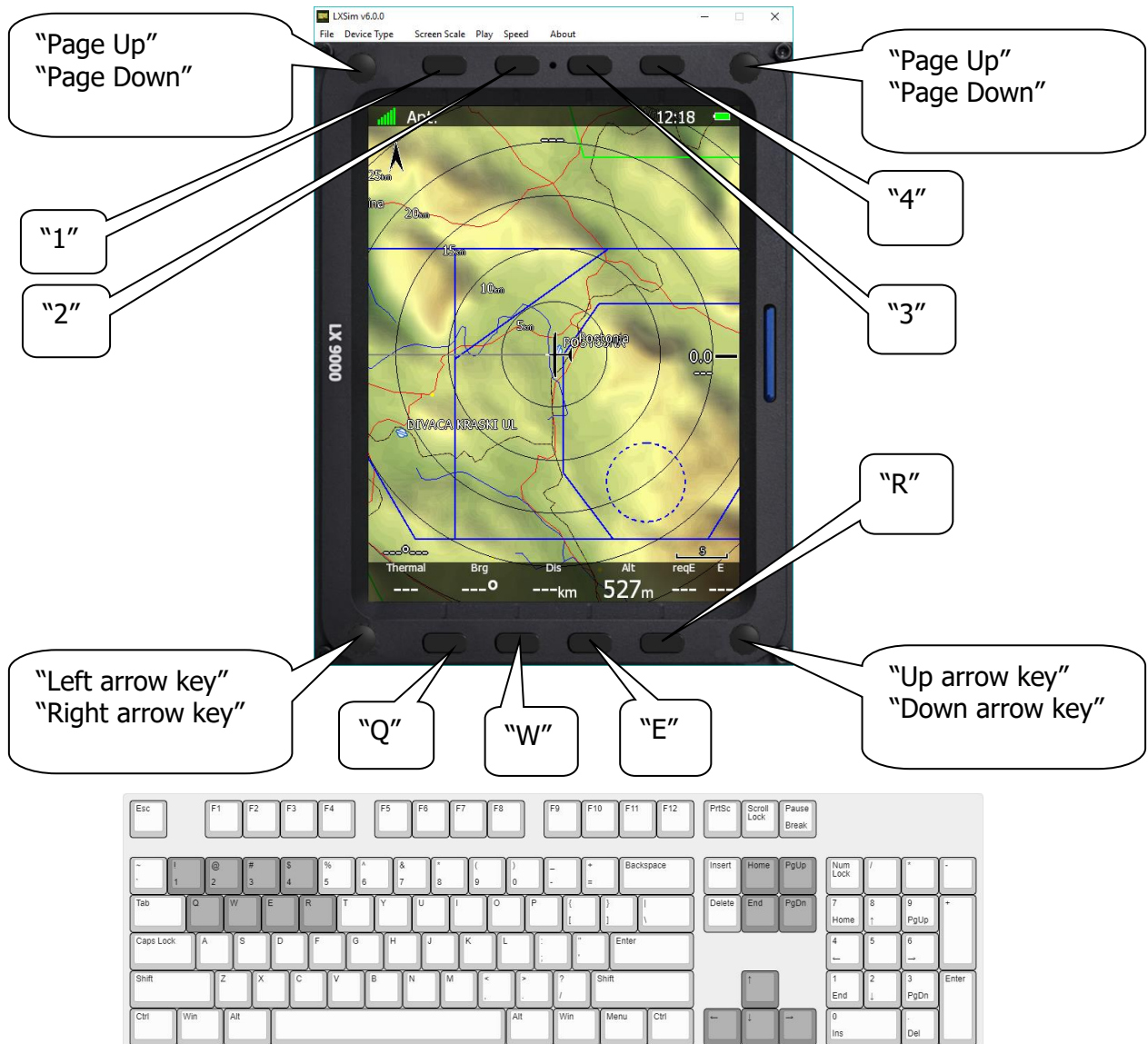
3.2 Keyboard shortcuts

As mentioned above you can also control instrument wit keyboard shortcuts as shown in picture bellow.

3.2.1 LX8000 and LX8080



3.2.2 LX900, LX9050 and LX9070



3.3 Main menu

3.3.1 File

By clicking Open you can load an .igc file of your previous flight. Program will restart and simulate that flight. Here you can also exit program by clicking Exit. You may also exit program pressing Alt+F4 key combination.



LX Sim comes preloaded with ALPS map. To simulate flight outside this area you must manually install additional maps as described in chapter 4.

3.3.2 Device type

Here you can switch type of device program will simulate. You can choose between LX8000, LX8080, LX 9000, LX 9050 and 9070. For the last three you can also pick between horizontal or vertical orientation.

3.3.3 Screen scale

In this menu you can change the scale of your screen. Select preferred options on a scale from 10-100%. It is set to 100% by default. Use this function in case your monitor is too small to fit full scale of the screen.

3.3.4 Play

Start simulation. Instrument will simulate a flight. In case you have opened the .igc file as described above, this will be the simulated flight. Once clicked, it will change to "Pause". Click it again, to un-pause the simulation.

3.3.5 Speed

Here you can change the speed of the simulation. Default value is 10x, but it can be decreased to 1x (real time) or increased all the way up to 200x.

3.3.6 About

About dialog displays information about current version of LX Sim program.

3.4 SD Card

SD Card function is used to transfer files on and from the LX Sim just the way you would do that on the instrument.

Click on SD Card (marked red bellow) to open file browser. Then select folder to import and export files to. You then can transfer files by going to Setup>Files and transfer.



With LX Sim you can also try out new custom styles that you can create manually on the instrument or simply use our LX Styler customization tool available on www.lxnav.com.

4 LX Sim Maps

LX Sim comes with a preloaded map of ALPS (some parts) to keep a LXSIM application reasonably small. If you load your flight from anywhere else in the world you will notice that there is no map displayed (black background). Missing maps can be installed additionally as described below.

4.1 Installation via SeeYou

Maps consist from 2 files:

- Earth.cit
- Elev.cit

4.1.1 EARTH.cit

- Run SeeYou and then File->Mobile Wizard or press Ctrl+F9
- Tick only Terrain (select high details) and Roads, Rails, Lakes and Towns. Leave everything else unticked.
- Press Next and enter under Files base name "earth".
- Under destination select Copy to My Computer and press Browse button.
- Search for folder where you LXSim is installed. Usually it will be c:\Program Files(x86)\LXNAV\LXSim.
- Select data subfolder c:\Program Files (x86)\LXNAV\LXSim\data\ (In this folder there should already be a file earth.cit)
- Press Next again
- Select region you would like to see
- Press Next again.

4.1.2 ELEV.cit

- Run Mobile Wizard again
- Tick only Terrain elevations. Leave everything else unticked.
- Press Next and enter under Files base name "elev".
- Under destination select Copy to My Computer and press Browse button.
- Search for folder where you LXSim is installed. Usually it will be c:\Program Files(x86)\LXNAV\LXSim.
- Select data subfolder c:\Program Files (x86)\LXNAV\LXSim\data\ (In this folder there should already be a file earth.cit)
- Press Next again
- Select region you would like to see
- Press Next again.



SeeYou is a flight planning and flight analysing software which can be bought from the Naviter company (<http://www.naviter.com/>)

4.2 Download EARTH and ELEV.cit from the web

If you don't have SeeYou software you can alternatively download both files also from LXNAV website <https://gliding.lxnav.com/lxdownloads/maps/> and install them as described in the next chapter.

4.2.1 Installation procedure:

- Search for folder where you LXSim is installed. Usually it will be c:\Program Files (x86)\LXNAV\LXSim.
- Select data subfolder c:\Program Files (x86)\LXNAV\LXSim\data\ (copy here both files: earth.cit and elev.cit)

5 Revision History

January 2018	Initial release of this manual
February 2018	Added chapter 2, 3, updated chapter 1.
April 2018	Updated chapter 4
May 2018	Updated chapter 4



The Pilot's Choice

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