



ShakeAlert® Joint Committee for Communication, Education, Outreach and Technical Engagement
California – Oregon – Washington
Technical Engagement Program

Download and Installation Instructions for EEW Display V2.8.0

The EEWDisplay software (formerly known as the ShakeAlert® UserDisplay software) is only available for limited distribution to ShakeAlert partners evaluating how data from the ShakeAlert system can be used for the development and implementation of products, programs, services, and other applications that contribute to reducing earthquake risk.

All end-users of the EEWDisplay software must have a current ShakeAlert Evaluation License Agreement (ELA) on file with the USGS. All users from a given institution must be listed in Appendix A of the ELA. More information about the terms and conditions for use of the EEWDisplay software and the ShakeAlert system data is found in the current ELA available on ShakeAlert.org

EEWDisplay users are prohibited from taking critical actions or making important decisions based on ShakeAlert system data as visualized through outputs shown on EEWDisplay. EEWDisplay is for demonstration use only and should not be used for life-safety applications. *The USGS maintains the right to refuse or revoke access to the ShakeAlert servers at any time without notice.*

Upon initial authorization to access EEWDisplay, you were issued a personal and/or institutional username and password combination (aka ShakeAlert Credentials) to connect to the ShakeAlert server. After successful download of the EEWDisplay software you will be prompted enter your username and password combination to connect to the ShakeAlert server.

Never share your personal/institutional username and password with others.

Installation Instructions: Step 1. Download software

- Go to <http://www.ShakeAlert.org>
- Within the home page for ShakeAlert.org, access ShakeAlert Utilities at the bottom right-hand side of the page.
- The Utilities page is protected with a **generic website** password which, for security purposes, will be sent to you under separate cover and is provided to download the EEWDisplay software, the operations manual, and a link to submit bug reports. Remember, the personal/institutional ShakeAlert Credentials sent to you are used to connect to the ShakeAlert server.

- Access the Download and Installation tab.
- It is recommended that you read the README file in the download directory for further information on system requirements, installation and relevant updates before you download the software.

Step 2. Select the installation appropriate to your operating system for download and unzip

- Windows: EEWDisplay-X.X.X_yyyymmdd-WINDOWS-.installer.zip
- Mac OS: EEWDisplay-X.X.X_yyyymmdd-OSX.installer.zip
- Linux: EEWDisplay-X.X.X_yyyymmdd-LINUX.installer.zip
- UNIX: EEWDisplay-X.X.X_yyyymmdd-UNIX.tgz (On UNIX, after extracting the files from the tgz archive, to run, use the runUNIX.sh script)

Step 3. Both Windows and Mac OS require any program downloaded from the Internet to be digitally signed before it will allow the program to be run. (Linux and Unix files are not digitally signed at this time.)

- Windows: Right mouse on .exe file, select properties then select digital signatures. Verify that the installer is signed by California Institute of Technology with a valid date by looking at the details at one or more of the certificates.
- Mac OS: With OSX 10.15 Catalina and newer, Gatekeeper will automatically check the digital signature and tell you that the program has been scanned by Apple for malicious content. For earlier versions of Mac OS you can manually validate the signature by using the following command in a terminal window:

```
codesign--verify--verbose <path to EEWDisplay-X.X.X.YYYYMMDD-osx.installer.dmg>
```

Step 4. Uninstall previous or pre-release EEWDisplay or UserDisplay versions 4

You must stop and uninstall any earlier version of 2.8.0 such as a beta or pre-release with the same version number. Failure to stop and install without properly uninstalling first may cause the program to lock up and/or cause the installation to fail. You may need to restart your computer if you do not stop the software before uninstalling.

If you are running an earlier version of the formerly called UserDisplay (2.7.0 or earlier) you can uninstall it AFTER you successfully install the new version of EEWDisplay 2.8.0. You may want to do this to copy your old history to the new installation. To do this copy the directory replay_data/history to your new installation.

To uninstall older versions of EEWDisplay or UserDisplay, use the uninstaller in the program installation directory, or use one of the following options:

- Mac OS: drag the EEWDisplay or UserDisplay folder to the trash

- Windows: use the Control Panel uninstall option (Start menu>Control Panel> Programs and Features>right-click on a program and select uninstall).
- Linux/Unix: delete the EEWDisplay folder

Step 5. Install Program

If you are having difficulties with the installation, please ensure the person performing the installation has administrative privileges on the computer in order to complete the install and that the end-user has both read and write permission for the folder where the installed application is running.



Step 6. Run EEWDisplay

Once the software is fully installed, you should find a shortcut for the EEWDisplay on your desktop. Do not forget to turn on your computer's volume so you can hear the alert tone and voice announcements when a ShakeAlert-powered alert is delivered by EEWDisplay.

Double-click on the icon and manually enter your **personal/institutional** username and password to connect EEWDisplay to the ShakeAlert servers. If you need to see your password in clear text during or after you enter it on the dialog, check the "Show Password" box. If you check the "Autologin" box under Settings, you will not need to enter your credentials again unless you install a new version. Please note that you should only check the "Autologin" box once you have verified that your ShakeAlert Credentials are correct, by seeing the connection status change to green after your first log in.

Remember to set your location by one of three options: 1) Settings - enter your latitude/longitude to set your location; 2) Settings - if your location is near or at the California Institute of Technology, University of California Berkeley, University of Oregon, or University of Washington, there is a preset location drop down menu you can use located next to the latitude/longitude boxes; 3) click into your location on the map, right click and hit set home location. Also, in "Settings" set your map center and your magnitude and intensity thresholds for receiving alerts. For further information on setting alert thresholds, or other parameters, please see section Menus > Top Menu Bar > Edit > Settings.

On Windows or Mac OS you can set the EEWDisplay to be restarted automatically when your computer is restarted. On Windows, the installer will set the auto restart option by default (to disable use Windows Task Manager > Settings > Startup). On Mac OS, put the EEWDisplay application program in the list of "Login items" for your User (System

preferences > Users and Groups > Login Items).

After you have installed version 2.8.0 you can copy any history files from a previous version to keep them available for replay. See README file for instructions:

<https://www.shakealert.org/eew-research/caltech/shakealert-user-display/shakealert-utilities/shakealert-utilities-2/documentationuser-guides/>

If you experience technical difficulties with the EEWDisplay or have any comments, please contact the appropriate ShakeAlert Regional Coordinator:

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Additional information regarding the ShakeAlert Earthquake Early Warning System can be found at <https://www.ShakeAlert.org>.

Recent earthquake information can be found at: <http://www.scsn.org> (Southern California), <http://www.pnsn.org> (PNW), <http://earthquakes.berkeley.edu/seismo.real.time.map.html> (Northern California), or the USGS Earthquake Hazards Program: <http://earthquake.usgs.gov>.

The EEWDisplay is a platform-independent Java application. The program has been successfully tested on Windows 7, 8, and 10; Windows Vista; Windows XP; Linux; and Mac OSX. The program requires Java version 1.8 or higher. Please follow the instructions of the installation manager. You must grant the EEWDisplay access through your firewall to be able to receive alert messages from the ShakeAlert system.

Note: Within the ShakeAlert Utilities webpage, the Bug Report/Enhancement Request Submission tab allows you to provide EEWDisplay feedback to the EEWDisplay development team.

