



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

## Download and Installation Instructions for EEWDisplay 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 Evaluator 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 to enter your username and password combination to connect to the ShakeAlert server.

*Note: Computer cannot be off or in sleep mode to get alerts.*

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

### Installation Instructions:

#### Step 1. Download software

- Go to <https://www.shakealert.org/>
- Scroll down to Technical Partner Resources and click into EEW Demonstration Software
- Click into Download and Documentation (you will need the generic login code provided you)

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

- Mac Installer 2.8.9 build 20211020 (newer 2023-2024 Mac systems may not be compatible at this time. If you have trouble with installation use the UNIX software instead)
- Linux Installer 2.8.0 build 20211020
- Windows Installer 2.8.0 build 20211020
- UNIX Archive 2.8.0 build 20211020 (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-20211020-osx.installer.dmg>. The output should indicate that the file is valid on disk and satisfies its designated requirement.

**Step 4:** Uninstall previous or pre-release EEWDisplay or UserDisplay versions 4

You must stop and uninstall any earlier version 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.

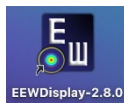
If you are running an earlier version of the formerly called UserDisplay (2.7.0 or earlier) you can uninstall it AFTER you successfully install the new version of EEWDisplay 2.8.0. You may want to do this to copy your old history to the new installation. To do this copy the directory replay\_data/history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

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

<b>Southern California</b>	Margaret Vinci (Caltech)	<a href="mailto:vinci@caltech.edu">vinci@caltech.edu</a>	626-395-3298
<b>Northern California</b>	Tal Edgecomb (UC Berkeley)	<a href="mailto:tale@berkeley.edu">tale@berkeley.edu</a>	
<b>Oregon</b>	Kelly Weisbard Missett (Univ Oregon)	<a href="mailto:kmissett@uoregon.edu">kmissett@uoregon.edu</a>	541-346-4654
<b>Washington</b>	Bill Steele Gabe Lotto (Univ Washington)	<a href="mailto:wsteele@uw.edu">wsteele@uw.edu</a> <a href="mailto:glotto@uw.edu">glotto@uw.edu</a>	206-685-5880
<b>USGS</b>	Robert de Groot	<a href="mailto:rdegroot@usgs.gov">rdegroot@usgs.gov</a>	626-583-7225

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.