
EGI Support Report



Jul 8, 2016

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There is a slightly different tone to this Support Report as we are entering a very busy period of new releases. In this edition, we will summarize everything that is newly available to you this month, and then we will have three follow up editions that will provide you with the technical details surrounding the launches of the new Net Station 5.3, GeoSource 3.0 Research and GTEN 100 Research products.

Preparing for the upgrade to Net Station 5.3 software

As you may have seen, Net Station 5.3 software has been released. Our focus right now is on establishing the upgrade procedure that you will follow, whether you are a Net Station 5.x user receiving a free upgrade or a 4.x (or lower) customer purchasing an upgrade. Mark the date in the calendar, as the Support Team will be ready to help you upgrade from July 11th, 2016!

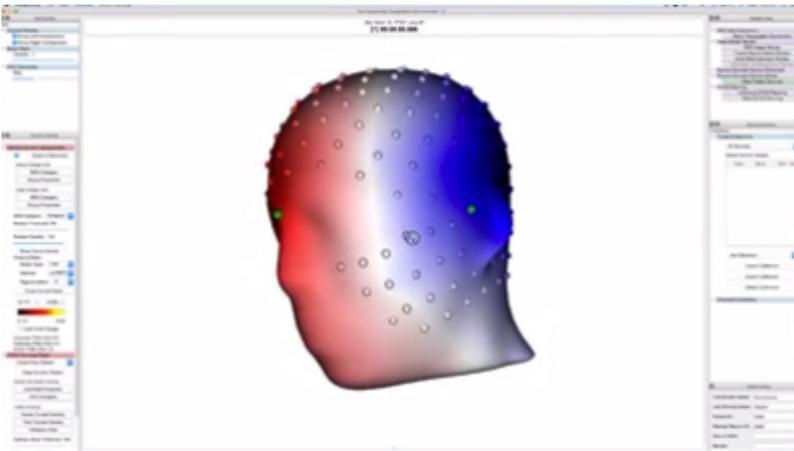
In the meantime, let's take a look at the specifications of Net Station 5.3 so that you can prepare for your upgrade in advance:

- **Operating System Compatibility:** Net Station 5.3 is only compatible with Mac OS X 10.11.5 (El Capitan).
- **Computer specifications:** We recommend 16 GB RAM for optimum performance and 6.5 GB of disk space for the installed application.
- **NA 400 compatibility:** Net Station 5.3 requires firmware version 1.6.18.
- **NA 300 compatibility:** Net Station 5.3 requires firmware version 11.

If you would like to check whether your computer can support Mac OS X 10.11.5, or you want to check the RAM on your machine, send us a copy of your System Profile and we'll let you know.

Some of you may be waiting on Net Station 5.2.1 in order to receive bug fixes to problems you discovered during the use of earlier versions of Net Station. We want to reassure you that you have not been forgotten, rather everything that was going to be released separately as 5.2.1 has now been folded into Net Station 5.3.

In next week's Support Report, we will provide you with a full overview of what new features and improvements Net Station 5.3 will be bringing you. In the meantime, we want to give you a sneak preview of the feature we are most excited about — the new Reciprocity Visualization Environment (RVE).



The RVE will allow you to take your review capabilities into a new dimension by providing you with the ability to view 3D Topo Maps. Using realistic 3D head models, the RVE will be fully synchronized with the Views you are already used to in Net Station Review.

The addition of the RVE to the Net Station software suite also provides us with the hub for our other two major releases: the GeoSource 3.0 Research source imaging packages and the GTEN 100 Research neuromodulation system.

Considering GeoSource 3.0 Research source imaging

GeoSource 3.0 Research will allow you to take your source estimation workflow to a whole new level with high-resolution FDM head models that include 7 different tissue types. To provide you with full flexibility, we have three levels of software available:

- **GeoSource 3.0 Research Basic:** this version includes 6 atlas head models, ranging from infants through to adults, to allow you to easily explore the source estimation associated with your recorded scalp potentials and take advantage of the RVE to visualize your results.
- **GeoSource 3.0 Research Intermediate:** this version adds the ability to build a conformal Finite Difference Method (FDM) head model, where you use an individual sensor location file to warp one of our 6 atlas head models to your participant's head geometry. You will be able to achieve more realistic head models for your research when you don't have the ability to gain structural MRI scans for your participants.
- **GeoSource 3.0 Research Advanced:** this version adds the ability to build an individual FDM head model, with dipoles oriented to the cortical surface, using an individual's structural MRI.

In a couple of weeks, our Support Report will describe the different levels of GeoSource 3.0 Research in more detail, and describe the additional hardware required.

Introducing the GTEN 100 Research Neuromodulation System

Not only are we introducing two new versions of software, we are also introducing a new amplifier to the EGI family. In three weeks time, we will describe the new Geodesic Transcranial Electrical Neuromodulation (GTEN) 100 System. This system will provide you with the capability for transcranial direct current stimulation (tDCS), transcranial alternating current stimulation (tACS), and transcranial pulsed current stimulation (tPCS).

Summer School 2016 registration is open!

Summer School this year will use Net Station 5.3 and GeoSource 3.0 Research for all hands-on components. With so many new features to utilize, School will provide you with a great opportunity to learn how to implement your workflow in these new releases. [Register today!](#)

Current versions of software and firmware from EGI

- Mac OS 10.10.5: Net Station 5.2.0.2 and GPS 3.0
- Net Amps 300 Firmware 0/11
- Net Amps 400 Firmware 1.6.17 (note that both 1.6.15 and 1.6.17 can be used with 5.2.0.2, but if you have the Amp Server Pro SDK 2.1 you need to be on 1.6.17.)
- Windows XP SP 3: E-Prime 2.0.8.90, E-Prime Extensions for Net Station (EENS) 2.0.1.10
- Windows 7: E-Prime 2.0.10.356, EENS 2.0.2.26

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