

Brain Products' solution for quick to set up, high-density EEG recordings ... R-Net

- ✓ Ultra-fast application time
- ✓ Comfortable high-density EEG recordings
- ✓ Up to 128 channels according to the 10-20 system
- ✓ Ag/AgCl sensors with exchangeable sponge tips
- ✓ Sizes range from new-born to extra-large adult head sizes
- ✓ R-Net is the perfect match for our new all-in-one lab amplifier, the actiCHamp Plus and is compatible with all Brain Products amplifiers

Here is what Brain Products offers for current EGI Users ...

- ✓ Brain Products and EasyCap make it easy for you to combine electrode caps and amplifiers from third-party manufacturers (for example, EGI)
- ✓ We provide adaptors for the Net Station up to 128 channels
- ✓ All our caps and electrode types including R-Net and even actiCAP slim can be combined with the Net Station amplifiers in order to record high-quality data
- ✓ We provide adaptors for using EGI HydroCel nets in combination with our BrainAmp and actiCHamp Plus amplifier families

What should I expect when combining Brain Products and EGI equipment?

When combining equipment from different manufacturers, there will be a few things to take into consideration for your setup and recordings ...

When using R-Net and EGI amplifiers (Net Amp):

- ✓ The electrode layout and channel assignment cannot be edited in the EGI recording software
- ✓ This results in inconsistencies in the montage due to the different layouts used for the R-Net (10-20 system) and the HydroCel GSN (equidistant)

» How to resolve this:

- ✓ Find a conversion table for closest matching electrodes [here](#)
- ✓ this will help you to perform accurate impedance measurements
- ✓ the correct layout can be imported into your preferred analysis software (e.g. BrainVision Analyzer 2)
- ✓ R-Net location files in .bvef format are delivered with each cap or can be downloaded from our [website](#)



When using actiCAP and EGI amplifiers (Net Amp):

- ✓ With actiCAP slim with snap holders, electrodes can be moved freely to get better layout matching
- ✓ actiCAP can be customized to have an equidistance layout, which is an approximation of the geodesic layout
- ✓ Impedance checks can be done with the additional use of the ControlBox

