

New Products

Scanner volume trigger interfaces and the new Opto-TTL converter

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The presence of volume triggers considerably facilitates analysis of MR data. Volume triggers are generally provided by the scanner hardware in the form of electrical or optical pulses. In the case of an electrical pulse (TTL), the BrainAmp trigger cable (TRIG26 Trigger Cable LPT/BNC - 3m) can be connected directly to the volume trigger output of the scanner provided that the duration of the pulse is sufficient. If the duration of the pulse is not sufficient, you require a different trigger cable (TRIG26 Trigger-Stretcher Cable LPT/BNC - 3m), that extends the signal. These solutions have been part of our offering for some time now and have up to now always been able to be used successfully.

However, if an optical pulse is supplied, rather than an electrical one, the signal must undergo opto-electrical conversion before it can be passed to our USB2 adapter (BUA 64 or 128). For cases such as this, we have been unable to offer our own solution.

But very soon, we will be able to offer you our Opto-TTL Converter. This convenient unit allows you to connect the optical volume trigger output from your scanner to the trigger input of our USB2 adapter and, if you wish, also to the parallel port of stimulation systems. The Opto-TTL Converter also has a second BNC output that you can use to pass the volume trigger to additional devices (e.g. other stimulation devices). ●