

TriggerBox | Brain Products GmbH > Solutions

TriggerBox Plus	Technical specifications
Power supply	4.5 VDC to 5.5 VDC; 300 mA Power supply via USB port of computer; Power supply via USB port of computer; computer must comply with either IEC 60601-1, EN 60601-1, IEC 62368-1, EN 62368-1, or equivalent safety standards.
Pulse stretcher	Switch position 5 ms: Stretching of relevant trigger pulse to 5 ms $\pm$ 1 ms. Switch position OFF: No stretching of relevant trigger pulse.
USB port	USB 2.0, type B configured as a serial port delay <1 ms jitter <1 ms LSL marker generation: <1ms Reading inputs via USB: <1ms
Input signal	0 VDC to 5 VDC
Supported input signal logic	TTL (0-5 VDC), CMOS, low voltage TTL (0-3.3 VDC)
Output signal	0 VDC to 5 VDC, depending on the input signal
Dimensions (W x D x H)	200 mm x 160 mm x 40 mm
Weight (approx.)	580 g
Level conditions	-The levels of open BNC and PC inputs are by default high. - If connected to an LPT port of a computer, the level of the trigger lines on the PC input is determined by the computer.
TriggerBox Extension	
Dimensions	192 mm x 160 mm x 35 mm
Weight	450 g
System requirements for the TriggerBox Software	
Operating system	Windows® 11 or later, 64 bit with Microsoft Visual C++ runtime
Software requirements	.NET4
USB port	USB 2.0 or higher
Miscellaneous	
Suitable for use in MR scanner room	No
Medical device	No
CE marking	Brain Products GmbH confirms the compatibility of this product according to the Directive 2014/53/EU (RED) of the European Parliament and the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment. Brain Products GmbH confirms the RoHS compliance of this product according to Directive 2011/65/EU of the European Parliament and the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast published in the Official Journal of the European Union on 1 July 2011) as well as all its amendments up to and including the Commission delegated directive (EU) 2015/863 of 31 March 2015 (published in the Official Journal of the European Union on 4 June

2015).