

PortaSync

Wireless event synchronization

A common challenge in research is the synchronization of data from multiple instruments. Often, they cannot be synced directly, but since most can produce or receive a trigger signal, the PortaSync is the perfect solution to the issue of synchronization!

The PortaSync is a wireless device compatible with all Artinis NIRS devices. It can generate two signal levels, e.g. representing two types of events, that can be recorded in the NIRS data file. These two signals can simultaneously be sent to any other device. In addition, the PortaSync also has an analogue input port for receiving external triggers.



Easily connects with any Artinis instrument using Bluetooth.



Can receive and send triggers.



Synchronizes data for different types of instrumentation.

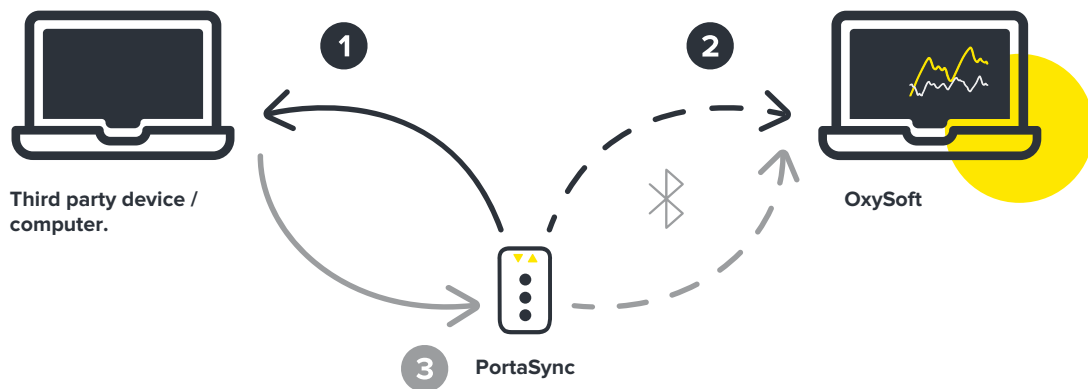
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How it works



1 The PortaSync has two output buttons to generate an analog signal, which can be sent to any device with an analog port.

2 The signals generated by button presses are also sent to OxySoft via Bluetooth. Pressing the high & low signal button at the same time will start Bluetooth advertising.

3 The PortaSync can also receive an analog trigger signal, which it is sent to OxySoft via Bluetooth.



Technical specifications

TECHNOLOGY	Accessory for Near Infrared Spectroscopy
BUTTON SIGNAL AMPLITUDES	2.5 V and 5 V
BUTTON PRESS TO ANALOG OUTPUT DELAY	Instantaneous
BUTTON PRESS TO OXYSOFT DELAY (BLUETOOTH)	Up to 200 ms
INPUT SIGNAL	0 to 5 V
AMPLITUDE RESOLUTION	5 mV
SAMPLE RATE / TEMPORAL RESOLUTION	100 Hz / 0.01 sec
MAXIMUM INPUT SIGNAL FREQUENCY	Up to 50 Hz
DIMENSION	53.5 x 84.5 x 15.9 mm
WEIGHT	68 g
BATTERY LIFE	Up to 8 hours
ADDITIONAL FEATURE	Automatic event creation

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What's in the box?

PortaSync synchronization

PortaSync
2x BNC to 3.5 mm cables