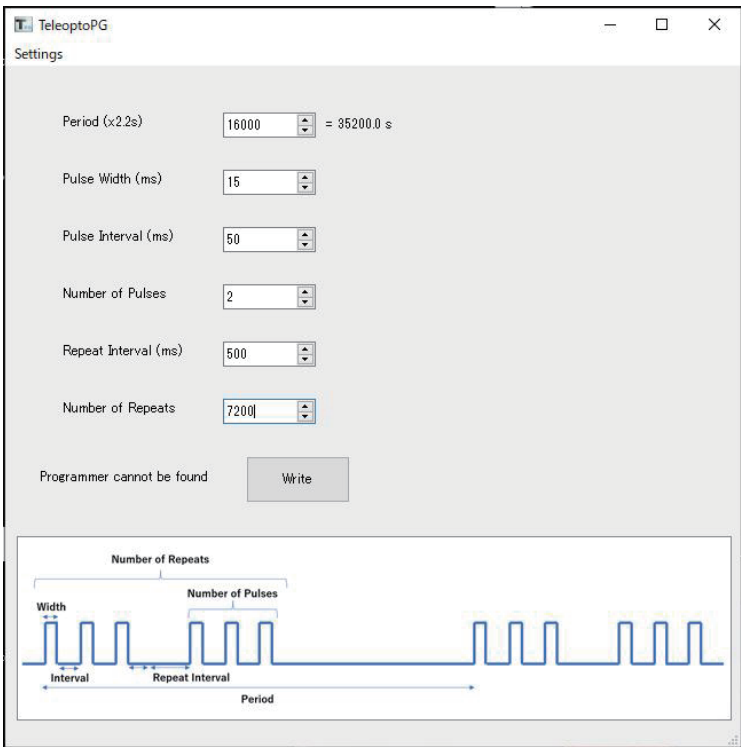
Teleopto PG

Programmable Teleopto

If you want to optogenetically stimulate long term with fixed stimulation period, the infrared communication in regular Teleopto consumes electrical current and limits the battery life. To avoid this, we implemented a non-volatile memory in the receiver for storing sitimulation pattern in advance, thus infrared communication is not required and the battery life is significantly extended. This is the Teleopto PG. It consists of a receiver, a programmer and a software. Before starting experient, you can program the internal memory by connecting the receiver to the programmer, designing the following parameters in the software - Period, Pulse Width, Pulse Interval, Number of Pulses, Repeat Interval and Number of Repeats. The receiver can retain the parameters even though the power switch is turned off, starts the programmed stimulation each time it is turned on. The regular Teleopto cannulas are copatible with the TeleoptoPG.

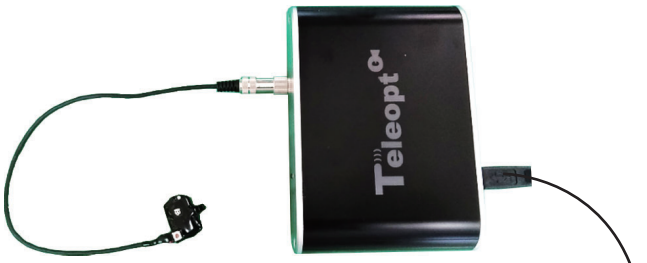
- ○ Internal memory retains the programmed stimulation pattern
- ○ 100 days of standby time (50 times longer than regular Teleopto)
- ○ Suitable for long term stimulation with fixed period



TeleoptoPG Software

Programming

TeleoptoPG Programmer



TeleoptoPG Software

USB

Stimulation

Model	Descriptions
TeleoptoPG-set	TeleoptoPG Standard Set
TelePGR	TeleoptoPG Receiver
TelePGP	TeleoptoPG Programmer

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