

Tele2Fipho

Wireless 2ch Fiberphotometry

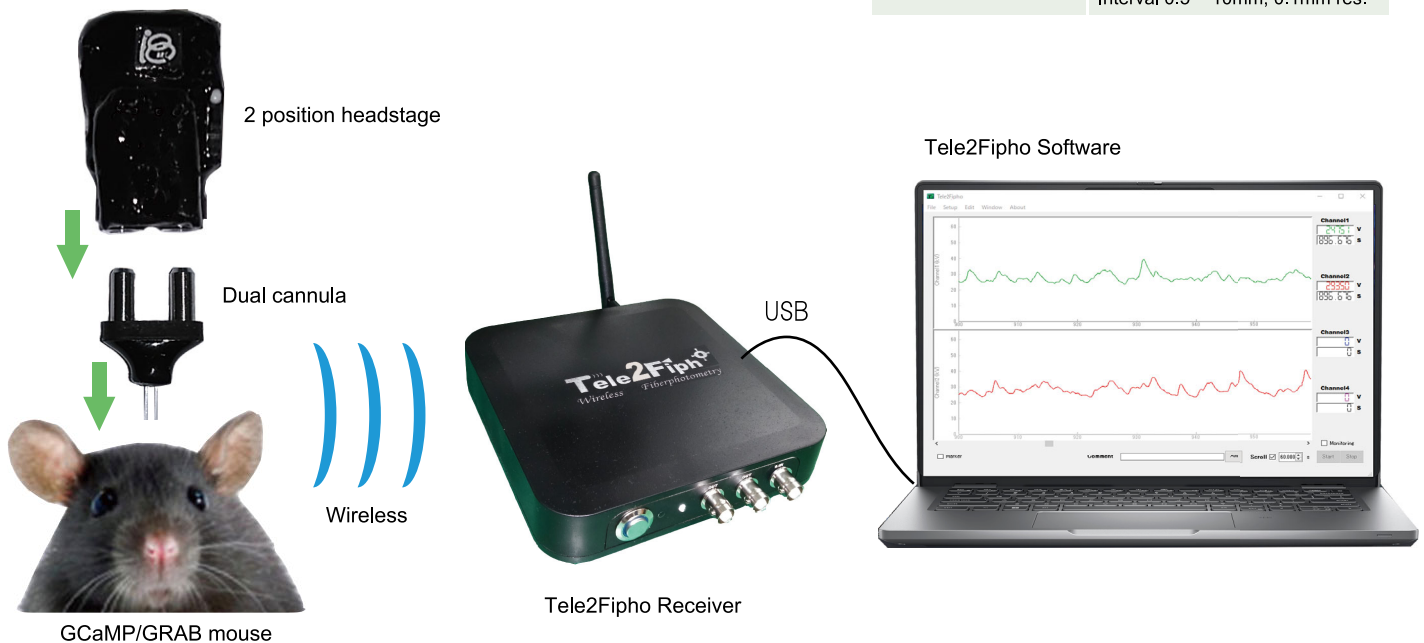


Tele2Fipho is a 2 channel version of our established TeleFipho wireless fiber photometry system. By specifying the length and interval of the dedicated dual cannula when ordering, you can collect wireless photometry signals from two separate positions together with the Tele2Fipho 2 position headstage. It is suitable for recording from bilateral hemispheres or afferent / efferent two brain regions, etc., in a freely moving mouse. Tele2Fipho receiver receiving wireless signal from the headstage is connected to a PC via USB to visualize the 2 channel photometry signals in real time. The receiver has 2 channel analog output so the photometry signals can be recorded in an external data acquisition system as well.

Tele2Fipho-set-2P Tele2Fipho system for 2 position recording
Including:

- 1x **Tele2FiT-2P** Tele2Fipho 2 position headstage
 - 1x **Tele2FiR** Tele2Fipho receiver
 - 1x **Tele2FiTool** Stereotaxic adapter for dual cannula
 - 1x **Tele2FiDummy** Tele2Fipho dummy headstage
 - 1x **TeleFiCharger** Headstage Charger
 - 3x **Tele2FiCD-I-i *** Dual cannula
- * I: fiber length (mm), i: fiber interval (mm)

Specification	
Headstage weight	3.5g
Headstage size	20 x 15 x 22 mm
Excitation Wavelength	Filter band 445 ~ 490nm
Emission Wavelength	Filter band 500 ~ 550nm
Excitation power	3 ~ 100μW@250μm fiber end
Sampling rate	50Hz/ch
ADC resolution	16bit
Battery life	2 hours @ Ex. power 15μW
Transmission band	2.4GHz
Transmission distance	2m
Power	Battery powered, rechargeable
Receiver I/O	2x photometry analog out 1x general purpose analog in (0~5V)
PC Interface	USB / Tele2Fipho Software (Win11)
Dual cannula	250μm/NA0.50 Interval 0.5 ~ 10mm, 0.1mm res.



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