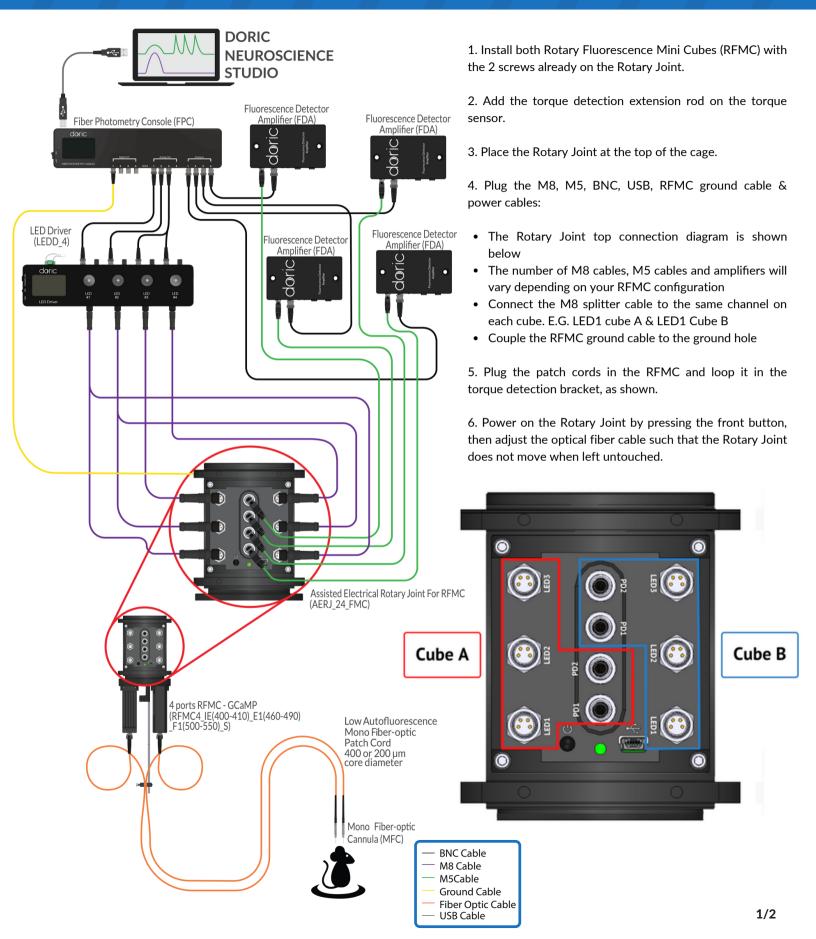
Rotary Fluorescence Mini Cube System Two cubes configuration



Getting Started - Hardware configuration



Rotary Fluorescence Mini Cube System Two cubes configuration



Getting Started - Software configuration

LED Driver

- Low-power mode
- Current: 200mA
- External analog (ExAnlg)

Fluorescence Detector Amplifier

- DC mode
- 10x gain

Fiber Photometry Console (FPC)

For a complete Lock-In set up guide, please check the Fiber Photometry Getting Started guide on our FPC webpage.

This section assumes the following connections:

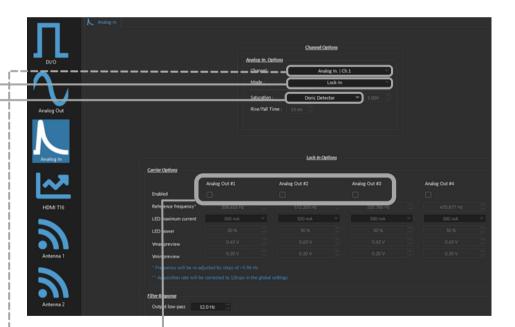
- FPC Analog Out 1 → LED Driver Ch 1 → LED 1 (Cube A&B)
- FPC Analog Out 2 → LED Driver Ch 2 → LED 2 (Cube A&B)
- FPC Analog Out 3 → LED Driver Ch 3 → LED 3 (Cube A) LED Driver Ch 4 → LED 3 (Cube B)
- Detector 1 (Cube A) → FDA → FPC Analog In 1
- Detector 2 (Cube A) → FDA → FPC Analog In 2
- Detector 1 (Cube B) → FDA → FPC Analog In 3
- Detector 2 (Cube B) \rightarrow FDA \rightarrow FPC Analog In 4

In Doric Neuroscience Studio, add a new channel with the following parameters:

Mode: Lock-In

Saturation: Doric Detector

If you have a custom RMFC or you think your configuration should differ from the above, please contact us for the correct lock-in configuration.



RFMC Type	2 LED & 1 detector RFMC4 (GCaMP)	1 LED & 2 detector RFMC4 (FRET)	3 LED & 2 detector RFMC6
Carrier check boxes: Analog Out	1 2 3	1 2 3	1 2 3
Analog In (Ch.1) - Cube A / DET1	××	×	××
Analog In (Ch.2) - Cube A / DET2		×	×
Analog In (Ch.3) - Cube B / DET1	X X	×	× ×
Analog In (Ch.4) - Cube B / DET2		×	×

