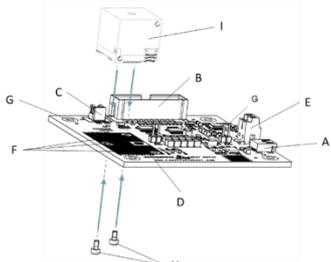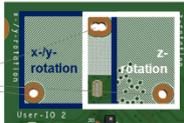# QUICK START GUIDE
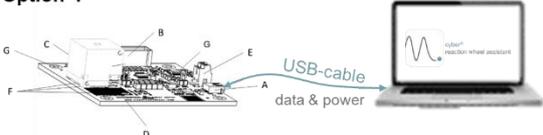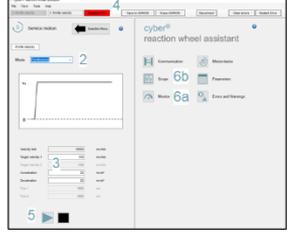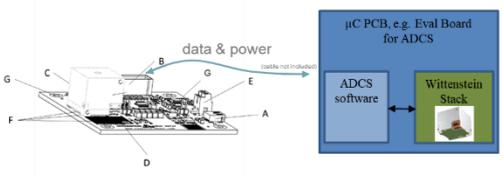## for cyber® reaction wheel 2 with starter kit

WITTENSTEIN | cyber motor

Thank you for purchasing your cyber® reaction wheel 2 with starter kit!

Follow these instructions in numeric order for first commissioning. A detailed instruction can be found in the project planning guide (Download: https://cyber-motor.wittenstein.de/de-de/download-reactionwheel/)

1	Packing List	2	Installation on starter kit

cyber® reaction wheel 2

1 axis reaction wheel with integrated servo controller
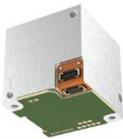
cyber® reaction wheel starter kit

Startup platform for the cyber® reaction wheel 2

cyber® reaction wheel assistant

Graphical user interface for fast, easy and comprehensive startup and diagnosis

cyber® reaction wheel assistant

Fastening screws
$M_A = 0.11$ Nm

Installation in all 3 axis possible

x-/y-rotation   z-rotation

F

User-IO 2

3	Establish the power supply	4	Install cyber® reaction wheel assistant

Option 1

USB-cable
data & power

cyber® reaction wheel assistant

Option 2

External power supply (not included)

(cable not included)

power

USB-cable
data

cyber® reaction wheel assistant

G

Switch to USB PC
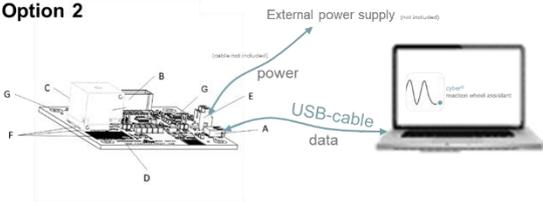
cyber®
reaction wheel assistant

Download cyber® reaction wheel assistant

https://cyber-motor.wittenstein.de/de-de/download-reactionwheel/

QUICK START GUIDE
for cyber® reaction wheel 2 with starter kit

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5	Establish a connection

1) Open

2) Select device ReactionWheel

3) Connect

6	First commissioning (speed setting)

1) Open Service motion

2) Select „Continuous" mode
3) Enter
   - Target Velocity
   - Acceleration and
   - Deceleration
4) Enable drive
5) Start rotation by pressing „PLAY" or „STOP" to end
6) View and/or record status in Monitor (a) or Scope (b)

7	Prototype integration into ADCS

data & power

μC PCB, e.g. Eval Board for ADCS
(cable not included)

ADCS software ↔ Wittenstein Stack

Wittenstein Stack **=** C-code with functions for control and diagnostics of the reaction wheel

A MORE DETAILED INSTRUCTION CAN BE FOUND IN THE PROJECT PLANNING GUIDE