
THE ABILITY HAND™ with a PSYONIC Button

Version 2.0

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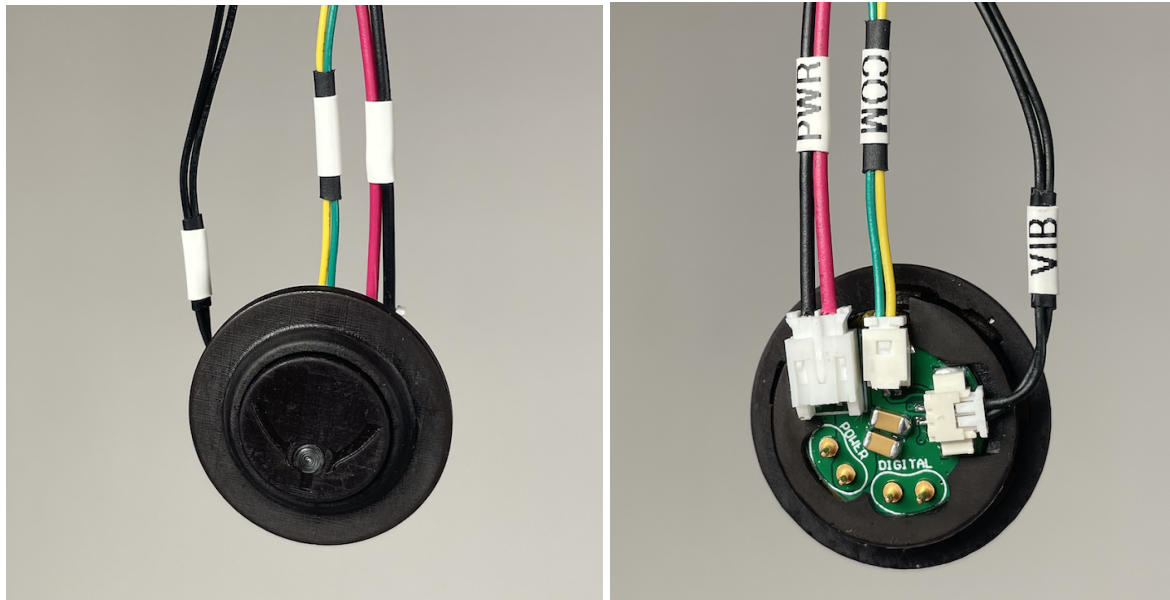
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1 Purpose of the PSYONIC Button

The PSYONIC Button is used for patients who have an electronic elbow prosthesis. The PSYONIC Button can be placed within the length of cables for the patient's easy access. It functions as an interface to the PSYONIC Ability Hand, not a power switch.

2 Setting-up



Plug in the **PWR**, **COM**, and **VIB** cables as shown. The **POWER** 2-pin male kidney bean port is used to power the button. The **DIGITAL** 2-pin male kidney bean port is used to connect COAPT. The PSYONIC button can be used with or without an electric wrist.

2.1 Without an Electric Wrist

Connect the elbow power kidney bean to the **POWER** port on the PSYONIC Button. **PWR** and **COM** will connect to the 6-ring coaxial plug at port "1" and "2" respectively.

If using COAPT, connect the COAPT kidney bean from the elbow to the **DIGITAL** port on the PSYONIC Button.

2.1 With an Electric Wrist

Note: For the Ability Hand to have full functionality with the PSYONIC Button, please use a 6-ring wrist rotator.

Connect the wrist to the elbow. Connect the **PWR** cable to the wrist's hand power input (usually labeled "hand" or "power" on the wrist). Connect the **COM** cable to the digital communication port on the wrist (usually labeled "digital" or "coapt"). Connect the elbow power kidney bean to the **POWER** port on the PSYONIC Button. Be careful not to plug cables in backwards.

If using COAPT, connect the COAPT kidney bean from the elbow to the **DIGITAL** port on the PSYONIC Button.

3 Troubleshooting

After turning on the elbow, if the PSYONIC Button shows:

No light	No power to the button, check POWER connection
Red flashing light	COM or PWR are disconnected

4 Functionality

4.1 Switch Grip

To switch grip, single tap the button and the lights should change colors. The colors correspond to specific grips.

4.2 Freeze Grip

To freeze a grip, double tap the button and the current light should blink. This means it is in "freeze mode". To un-do the freeze, double tap the button again.

Note: Grips can be changed in the PSYONIC ABILITY HAND application on android and iOS

4.2 Vibration

The red vibration motor (**VIB**) allows for proportional touch feedback from the PSYONIC Ability Hand. Place the vibration motor in a spot where the user can feel the feedback.