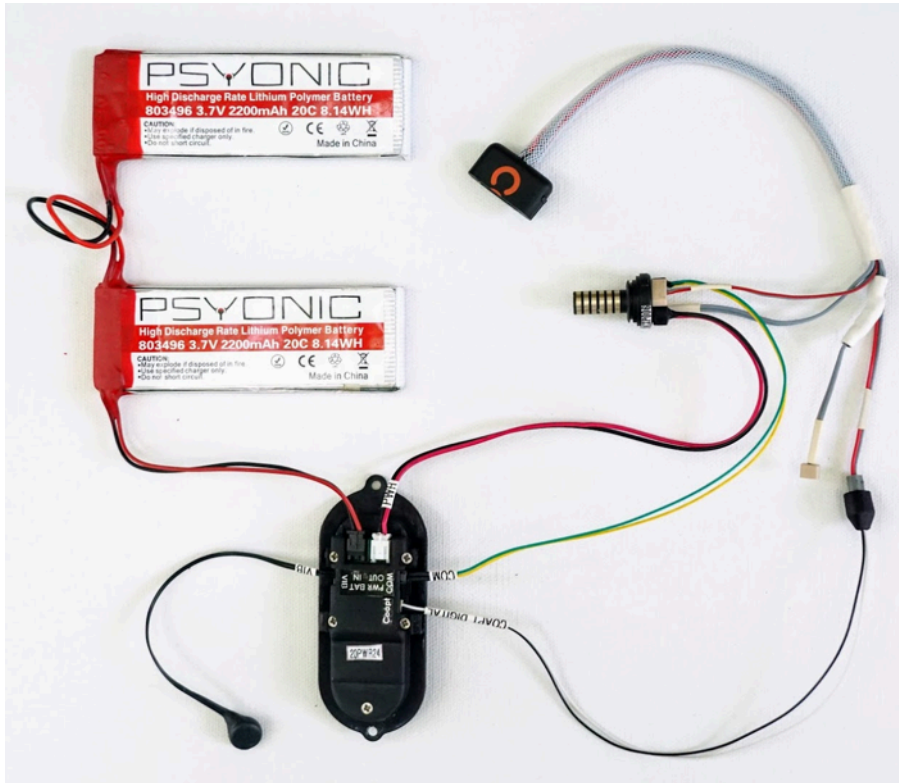


# Socket Setup Guide with Coapt (EQD)

**User Manual:** available on website for download at [www.psyonic.io](http://www.psyonic.io) > [The Ability Hand](#) > [Download the User Manual](#)

## 1. Power Switch (fully connected)

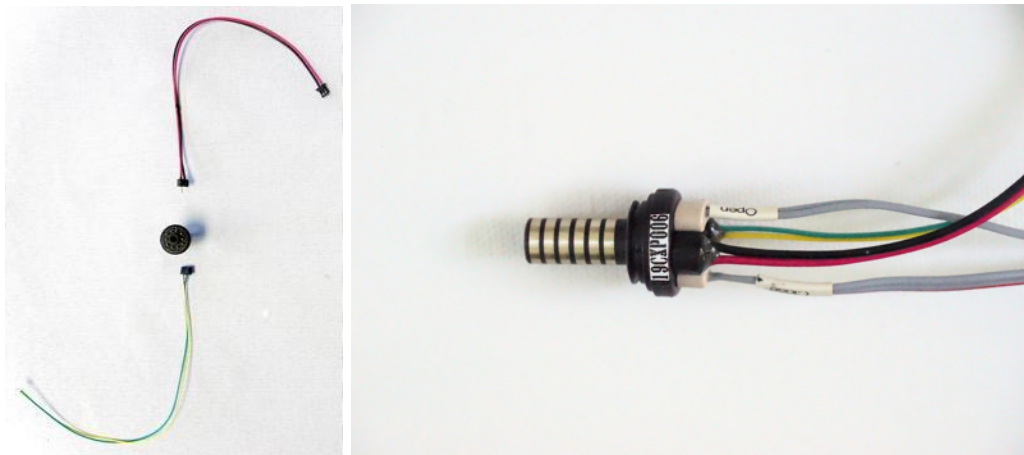


- The charging port should be situated proximally on the socket with the PSYONIC logo being readable from the user's viewpoint
- On the socket, the power switch should be positioned flat on surface (as much as possible) with the PSYONIC logo readable from the user's perspective, avoiding bending the switch as it could strain the electronic board contained within
- Of the five (5) ports on the bottom of the power switch, the stickers provide a guide for cable connections. As a key:
  - VIB = PSYONIC Vibration Unit
  - BAT = PSYONIC Battery Pack
  - PWR = red/black cable; delivered already plugged in (POWER OUT)
  - COM = green/yellow cable; delivered already plugged in (Communication)
  - DIGITAL = black/white cable that gets Coapt's "DIGITAL" cable connected into it
- The Power Switch can be positioned anywhere on the socket, per the prosthetist/technician design, though distal on a medial wall is recommended, so that the light on the switch is viewable while in use.



- These fabrication dummy blocks are provided such that they can withstand high-temperature fabrication. Align the part that says "wrist" such that the arrow is pointing distally to align with the power switch in the same direction.

## 2. Coaxial Plug



- PWR (Power Out): red/black cable from Power Switch to be plugged into the 3-pin half moon adapter into the "1" port on coaxial plug



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- COM (Communication): green/yellow cable from Power Switch to be plugged into the 2-pin half moon end into the "A" port on coaxial plug



- Coapt "OPEN" and "CLOSE" can be plugged into the remaining pins as guided by their manual

### 3. Vibration Unit



- Optimal placement within the socket, between the inner socket and outer shell
- Not contacting user's skin directly

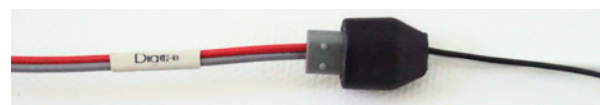
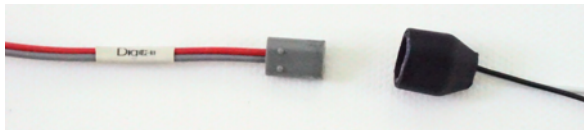
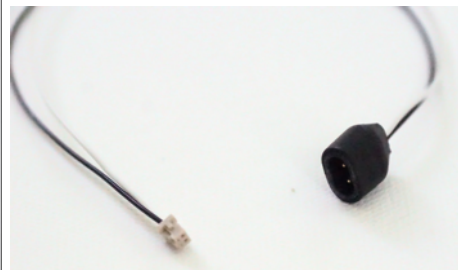
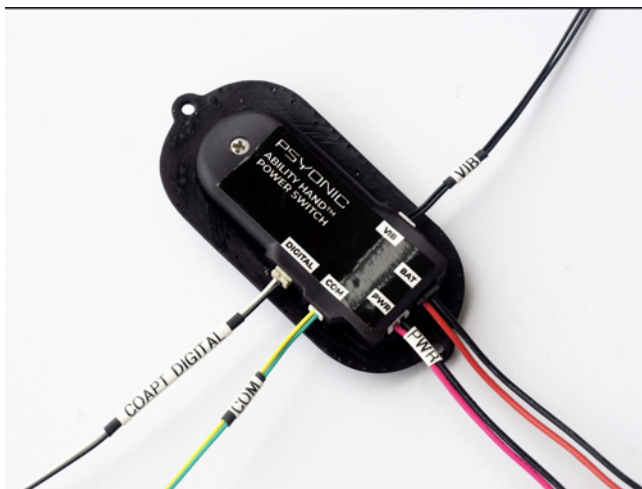
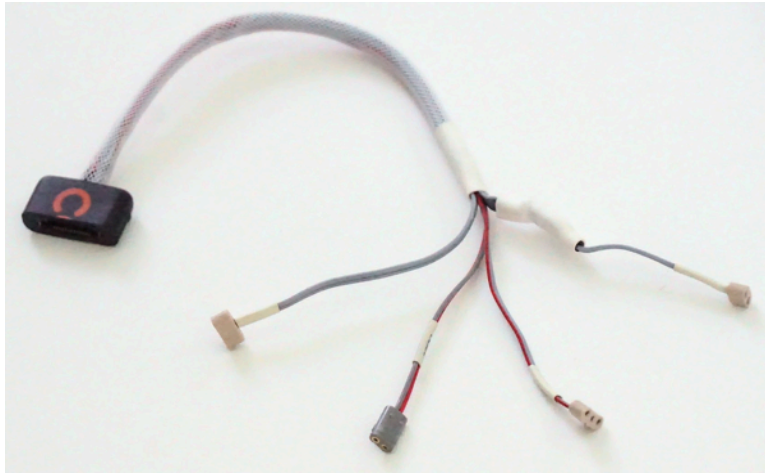
### 4. Battery Pack



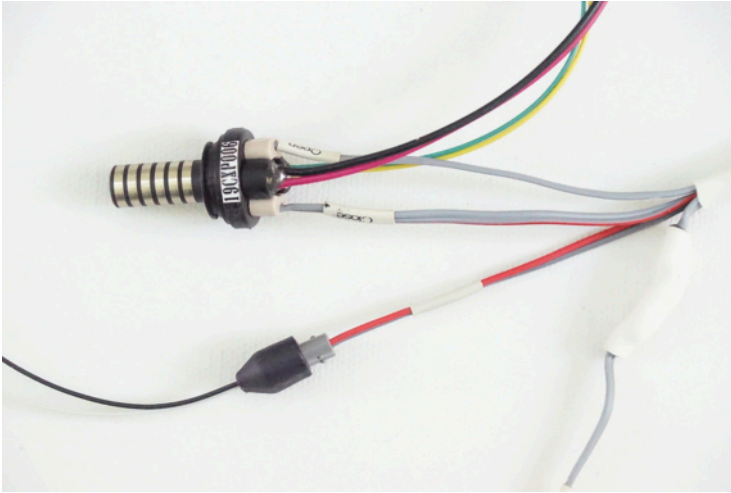
- Packaged as a set of two 3.7V cells in series (7.4V, 2200mA total)

- Need to be plugged-in per the instructions under "Power Switch" section
- We recommend placement on a flat surface with the use of epoxy to adhere the battery pack within the inside of the socket

## 5. Coapt



- Coapt Digital plugs into black adapter connected to Coapt port on Power Switch



- Plug other two Coapt pins into coaxial plug as usual for open and close
- Follow Coapt instructions for remaining Coapt software setup

## 6. Charging

- Estimated time to charge: 1 hour to 100% with provided USB-C charger
- Cable can be inserted in any polarity direction
- Ports are USB-C and compatible with other USB-C cables; however, only the charging cable provided by PSYONIC has been tested to comply with the device for fast charge capability

### Provided by PSYONIC:

- The Ability Hand
- 6-pin coaxial plug
- PSYONIC Battery Pack
- PSYONIC Power Switch
- USB-C 30W Wall Charger
- USB-C Charging Cable

### What needs to be purchased separately:

- For the electronic quick disconnect (EQD) version of the Ability Hand
  - Coupling Piece
    - Ottobock 10S4 or Steeper QDACP
  - Lamination Ring
    - Ottobock 10S1=40/45/50/54 or Steeper QDALR 40/45/50/54
- For Myoelectric Direct Control
  - Electrodes
    - Ottobock, Steeper, or Motion Control
  - Electrode Cables
- For Pattern Recognition

- Coapt Gen 2 System