

# K8

## CLINICAL CONNECTIONS & SETTINGS GUIDE

K8 allows pattern recognition command of Steeper Espire Pro powered elbow flexion/extension with optional pronation/supination of powered wrists and pattern recognition command of multifunction grips for various\* hands. (\*consult the Coapt Compatibility Guide)

### PART 1: PHYSICAL CONNECTIONS

**PRE-ASSEMBLED**  
The Coapt controller (white PCB) will be pre-attached to the Espire unit. Do NOT attempt to remove it.

**PRE-ASSEMBLED CONNECTION**  
The Coapt **Complete Calibrate** button is attached to the Coapt controller with its flex cable passing through the Espire Strain Relief Disc. Contact Coapt support for assistance detaching /attaching this cable from the elbow.

**PRE-ASSEMBLED CONNECTION**  
Ensure the 2-pin, white Coapt aux connection is attached

**EMG CONNECTION**  
The Coapt EMG Interface Cable (not shown here) for Espire has a special 90° exit. Ensure it is connected and secured once the Espire Strain Relief Disc is in place.

**STEEPER ESPIRE PRO & MULTIFUNCTION HAND**

**DISTAL CONNECTIONS**

**HANDS:** TASKA, TASKA CX, COVVI, ZEUS, PSYONIC, (older) BEBIONIC  
**WRIST:** Fillauer Standard Wrist Rotator with 6-Band Coaxial Plug (5010045, 5010054, 5010055) (5010059)

COLOR	OUTPUT
Orange	Hand Open
Green	Hand Close
Gray	Rotation
Red	Power
Blue	Hand Speed
Purple	Digital

May need to be connected in reverse polarity when using COVVI

**HAND:** I-LIMB  
**WRIST:** Fillauer Standard Wrist Rotator (5010045, 5010054, 5010055) (5010059) or Ottobock Electric Wrist Rotator (10297)

COLOR	OUTPUT
Orange	Hand Speed
Green	Hand Close
Gray	Rotation
Red	Power
Blue	Hand Speed
Orange	Open/Digital
Green	Close/Digital

**HAND:** VINCENTEVOLUTION4  
**WRIST:** Fillauer Standard Wrist Rotator (5010045, 5010054, 5010055) (5010059) or Ottobock Electric Wrist Rotator (10297)

COLOR	OUTPUT
Orange	Hand Speed
Green	Hand Close
Gray	Rotation
Red	Power
Blue	Hand Speed
Brown	Open/Digital
Yellow	Close/Digital

This Digital Provided by Coapt

### PART 2: SOFTWARE SETTINGS

#### ELBOW

##### STEEPER ESPIRE PRO

In the Espire iOS user application, most screens will indicate the direct Coapt connection and not require specific settings.

#### WRISTS

##### OTTOBOCK ELECTRIC WRIST ROTATOR (NO MYOROTRONIC), MOTION CONTROL STANDARD WRIST ROTATOR, MOTION CONTROL STANDARD WRIST ROTATOR & 6-BAND COAXIAL PLUG (NO PROCONTROL)

No settings required

#### HANDS

##### I-LIMB QUANTUM\* (\*WITH SERIAL NUMBERS M9618 OR NEWER)

Ensure hand settings are the factory defaults.

For proper operation of Gesture Control via Coapt, ensure 'HO' is selected as the i-mo trigger in the i-Limb app

##### PSYONIC ABILITY HAND

Ensure the "Control System" setting in the PSYONIC ABILITY HAND app is set to "Coapt".

Ensure all other hand settings in the PSYONIC ABILITY HAND are set to factory defaults.

##### AETHER ZEUS HAND

Input Option: EMG, Input Sites: Dual Direct, Speed Control Strategy: Proportional, Grip Switching Mode: Open-Open

#### HANDS (CONT.)

##### OTTOBOCK PAST GENERATION BEBIONIC

Contact Coapt if needed

##### VINCENTEVOLUTION4

###### SENSOR SETUP:

Enable Sensor 1 (Open) - On, Enable Sensor 2 (Close) - On, Enable Sensor 3 - Off, Enable Sensor 4 - Off

Red Signal (Open): Threshold - 5, Gain - 30, Activation: 15

Blue signal (Close): Threshold - 5, Gain - 30, Activation: 15

Enable first signal wins strategy - Off

Time settings: Hold open - 3.0s max, Timeout - 7.0s min

Standard trigger settings: no trigger

###### MULTICHANNEL TRIGGER CONTROL:

Enable Multichannel Trigger Control - on.

Standard Trigger - No Trigger

Multichannel Hold Signal 1: lateral grasp with hold open

Multichannel Hold Signal 2: pinch grasp with hold open/close

Multichannel Hold Signal 3: index grasp with hold close

Multichannel Hold Signal 4: disabled

Period Peak For Multichannel Peaks: 0.2s

Multichannel Peak 1: cylinder grasp with close peak

Multichannel Peak 2: cupholder grasp with open peak

Multichannel Peak 3: power grasp with open peak/close peak

Multichannel Peak 4: disabled

##### COVVI HAND

Ensure all "Triggers" in the Grip Switch Trigger settings in the COVVI Go app are set to "Trigger Off"

Ensure all other hand settings in the COVVI Go app are set to the factory defaults

##### TASKA/TASKA CX

Settings will automatically be set upon each power-on. Use QR code for more information in the Taska|Coapt Clinician Guide.

