

# J5 CLINICAL CONNECTIONS & SETTINGS GUIDE

J5 allows pattern recognition command of Steeper Espire Hybrid electric lock with optional pronation/supination of powered wrists and open/close operation of prosthetic hands. Pattern recognition command of multifunction grips is not included.

## 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.

**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 HYBRID & OPEN/CLOSE HAND**

**DISTAL CONNECTIONS**

**HAND:** Any With Open/Close Control  
**WRIST:** Motion Control Standard Wrist Rotator (5010045, 5010054, 5010055) OR Ottobock Electric Wrist Rotator (1017)

COLOR	OUTPUT
(Orange)	Hand Open
(Green)	Hand Close
(Red)	Rotation
(Blue)	Power
(Yellow)	Not Used
(Black)	Not Used

Steeper Technical Manual "Wiring Option 1"

## PART 2: SOFTWARE SETTINGS

### ELBOW

#### STEEPER ESPIRE HYBRID

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)

No settings required

#### MOTION CONTROL STANDARD WRIST ROTATOR (NO PROCONTROL)

No settings required

### HANDS

**\*\*\*MANY/MOST HANDS SHOULD BE SET TO FACTORY DEFAULT FOR OPTIMAL OPERATION.**

#### OTTOBOCK SENSORHAND, MYOHAND VARIPLUS, SYSTEM ELECTRIC GREIFER, OR SYSTEM ELECTRIC HAND

Ensure 'control mode'/'program' 1

#### PSYONIC ABILITY HAND

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

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

### HANDS (CONT.)

#### OTTOBOCK BEBIONIC

Control Strategy: Dual Site  
Open / Close Strategy: Electrodes: A,B  
Control Options: Electrodes  
Control Response: Proportional  
In ELECTRODE SCREEN:

- Channel 1 "Blue" threshold: 10%
- Channel 1 "Red" threshold: 90%
- Channel 2 "Blue" threshold: 10%
- Channel 2 "Red" threshold: 90%

Remember to press "Send to Hand" after making any changes

#### MOTION CONTROL PROHAND, PROETD/ETD2

##### HAND SET UP

- Input Type: EMG
- Hand Filtering: Quick
- Channel: Dual
- Conatrol: Differential
- Hand Direction: A

##### Thresholds/Outputs

- A: 15
- B: 15

##### Input Gains

- A: 5
- B: 5

#### ADAMS HAND

Ensure the "Control System" setting in the Adam's Hand is set to "Coapt"