

J5 CLINICAL CONNECTIONS & SETTINGS GUIDE

J5 allows pattern recognition command of College Park 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.

COLLEGE PARK 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
Grey	Rotation
Red	Power
Blue	Not Used
Black	Not Used

College Park Technical Manual 'Wiring Option 1'

PART 2: SOFTWARE SETTINGS

ELBOW

COLLEGE PARK 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

I-LIMB, TASKA, VINCENTEVOLUTION3, : PSYONIC ABILITY HAND, COVI HAND

Ensure hand settings are the factory defaults.

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

Ensure 'control mode'/'program' 1

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
- Control: Differential
- Hand Direction: A

Thresholds/Outputs

- A: 15
- B: 15

Input Gains

- A: 5
- B: 5