COAPT® GEN2
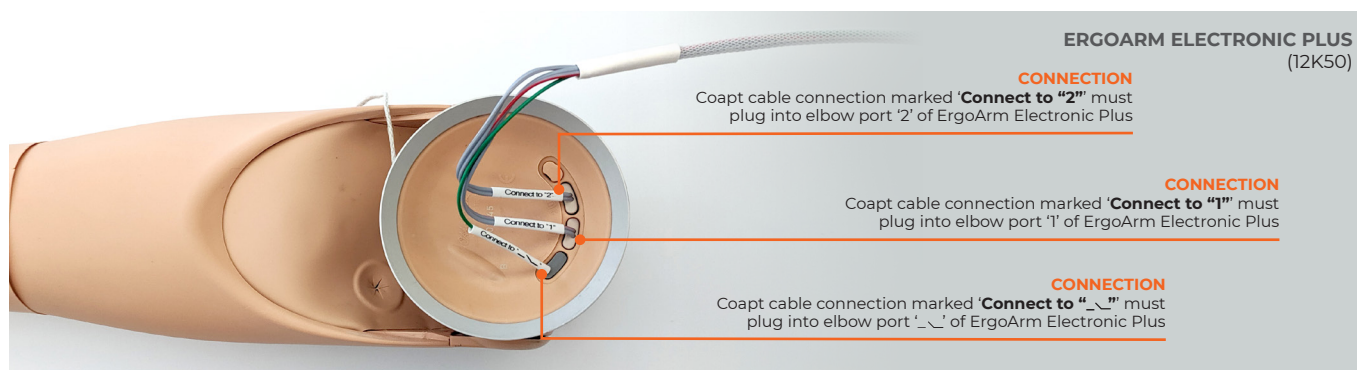
J1 CLINICAL CONNECTIONS & SETTINGS GUIDE

J1 allows pattern recognition command of Ottobock ErgoArm Electronic plus electric lock with optional pronation/supination of powered wrists that have rotational controllers and open/close operation of prosthetic hands. Pattern recognition command of multifunction grips is not included.

PART 1: PHYSICAL CONNECTIONS

ERGOARM ELECTRONIC PLUS
(12K50)

CONNECTION
Coapt cable connection marked '**Connect to "2"**' must plug into elbow port '2' of ErgoArm Electronic Plus

CONNECTION
Coapt cable connection marked '**Connect to "1"**' must plug into elbow port '1' of ErgoArm Electronic Plus

CONNECTION
Coapt cable connection marked '**Connect to "⌣"**' must plug into elbow port '⌣' of ErgoArm Electronic Plus

PART 2: SOFTWARE SETTINGS

ELBOW

OTTOBOCK ERGOARM ELECTRONIC PLUS
Ensure that the 12K50 ErgoArm Electronic plus is setup and programmed in "Switching mode 1" (white coding plug). Refer to the 12K50 ErgoArm Electronic plus manual for details

WRISTS

OTTOBOCK ELECTRIC WRIST ROTATOR WITH MYOROTRONIC
Ensure Ottobock MyoRotronic set to 'program 1' defaults. Refer to the MyoRotronic manual for instructions.

MOTION CONTROL PROWRIST ROTATOR
WRIST SET UP
  • Electric Wrist Enabled: Yes
  • Wrsit Direction: A
RELAX DELAY
  • Relax Timer: 0.1
SWITCH CONTROL
  • Switch Rates A: 75
  • Switch Rates B: 75
  • Switch Window: 0.1
  • Fast Access: On
  • Co-Contraction: Off
  • Auto-Switch Back: No

HANDS

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

HANDS (CONT.)

OTTOBOCK SENSORHAND, MYOHAND VARIPLUS, SYSTEM ELECTRIC GREIFER, SYSTEM ELECTRIC HAND
Ensure 'control mode'/'program' 1

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

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