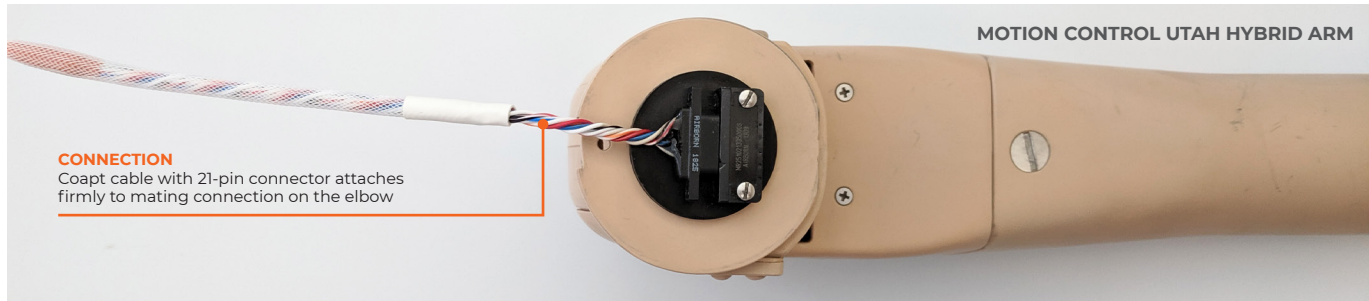


# J3

# CLINICAL CONNECTIONS & SETTINGS GUIDE

J3 allows pattern recognition command of Motion Control Utah Hybrid Arm 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



## PART 2: SOFTWARE SETTINGS

### ELBOW

#### MOTION CONTROL UTAH HYBRID ARM

Hybrid Arm Control Type: Dual Channel EMG

#### HYBRID ARM USER CHOICES

- Hand Polarity: A
- Wrist Polarity: A
- Auto-Cal Enabled by Hand-Switch: No
- Auto-Cal Enabled by Power-Up: No
- Wrist Control Enabled: Yes
- Simultaneous Hand & Elbow: Yes
- Wrist Control: A
- Auto-Lock: On
- Lock Elbow on Co-Contraction: Off
- Unlock Elbow on Co-Contraction: Off
- Lock Override: On

### WRISTS

#### OTTOBOCK ELECTRIC WRIST ROTATOR (NO MYOROTRONIC), MOTION CONTROL STANDARD WRIST ROTATOR (NO PROCONTROL)

##### WRIST SET UP

- Electric Wrist Enabled: Yes
- Wrist Direction: A

##### 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

##### 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, OR 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

#### ADAMS HAND

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

#### 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

#### 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