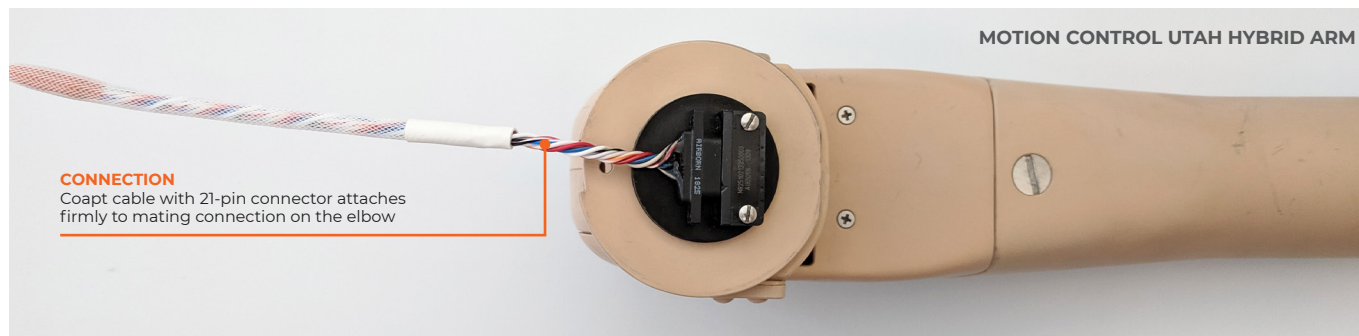


# J3 CLINICAL CONNECTIONS & SETTINGS GUIDE

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

#### 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

#### 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