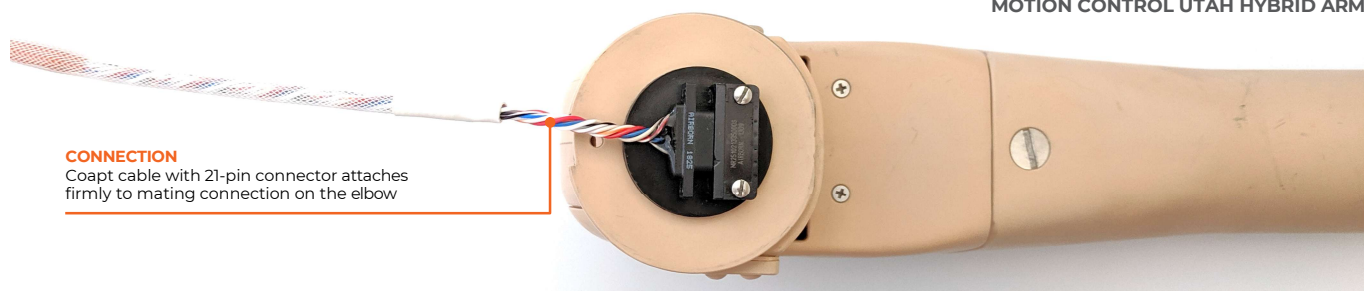


*J3 allows pattern recognition command of Motion Control Utah Hybrid Arm electric lock with optional pronation/supination of powered wrists and open/close operation of prosthetic hands. Pattern recognition command of multifunction grips is not included.*

## PART 1: PHYSICAL CONNECTIONS



### CONNECTION

Coapt cable with 21-pin connector attaches firmly to mating connection on the elbow

MOTION CONTROL UTAH HYBRID ARM

## 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), FILLAUER MOTOR DIRECT WRIST ROTATOR (NO PROCONTROL)

#### WRIST SET UP

- Electric Wrist Enabled: Yes
- Wrist Direction: A

#### INPUT GAINS

- A: 5
- B: 5

#### HAND SET UP

- Input Type: EMG
- Hand Filtering: Quick
- Channel: Dual
- Control: Differential
- Hand 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

#### THRESHOLDS/OUTPUTS

- A: 15
- B: 15

### HANDS

#### 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:

- For both signal channels, set the low thresholds to about 10% of the numbered range and the high thresholds to about 90% of the numbered range
- Remember to press "Send to Hand" after making any changes

#### FILLAUER 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

#### ADAMS HAND

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

**OTHER COMPATIBLE HANDS SHOULD BE SET TO FACTORY DEFAULT FOR OPTIMAL OPERATION**