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

![MOTION CONTROL UTAH HYBRID ARM](image)

- **Connection**: Coapt cable with 21-pin connector attaches firmly to mating connection on the elbow.

# 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

**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

**THRESHOLDS/OUTPUTS**
- A: 15
- B: 15

## HANDS

### I-LIMB, TASKA, VINCENTEVOLUTION3, : PSYONIC ABILITY HAND, COVVI 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, Conatrol: Differential, Hand Direction: A

**Thresholds/Outputs**
- A: 15, B: 15

**Input Gains**
- A: 5, B: 5