K4 allows pattern recognition command of Motion Control Utah Arm 3+ elbow flexion/extension 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**

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

**PART 2: SOFTWARE SETTINGS**

**ELBOW**

**MOTION CONTROL UTAH ARM 3+**
- U3 Elbow User Choices
  - Elbow Polarity: A
- Dual-Channel Elbow Settings
  - Quick, Channel A EMG Gain: 5.00, Channel B EMG Gain: 5.00, Channel A Threshold: 5.00, Channel B Threshold: 5.00
- Elbow Lock/Unlock
  - Lock Override: Off, Flex/Ext After Braking: On, Switch Rate A: 25.00, Switch Rate B: 25.00, Lock Time: 00.10, Switch Window: 00.20
- U3 Elbow Settings
  - Seconds Until Relaxed: 0.05, A + B Freeswing Level: 00.00

**WRISTS**

**OTTBOCK ELECTRIC WRIST ROTATOR (NO MYOROTRONIC) OR 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**

**HANDS (CONT.)**

**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

**OTTBOCK SENSORHAND, MYOHAND VARIPLUS, SYSTEM ELECTRIC GREIFER, OR SYSTEM ELECTRIC HAND**
- Ensure ‘control mode’/‘program’ 1

**OTTBOCK 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

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