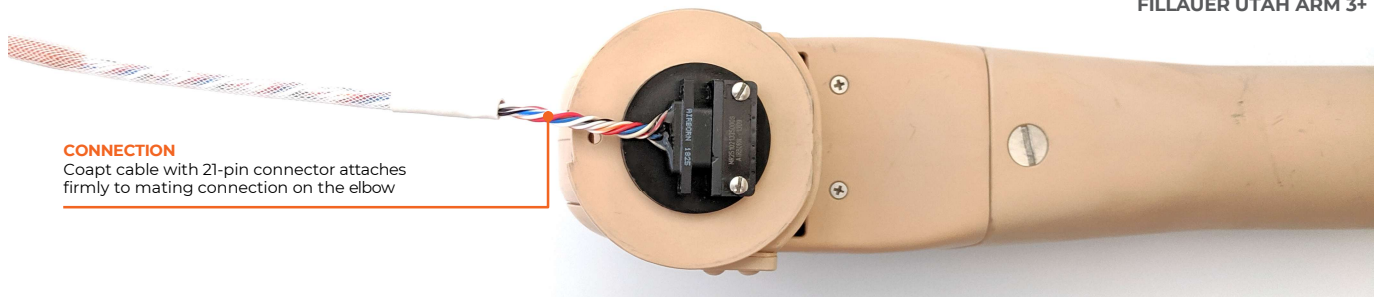# K4 CLINICAL CONNECTIONS & SETTINGS GUIDE

COAPT

K4 allows pattern recognition command of Fillauer 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

FILLAUER UTAH ARM 3+

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

PART 2: SOFTWARE SETTINGS

ELBOW

FILLAUER UTAH ARM 3+
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
Elbow Settings
 • Seconds Until Relaxed: 0.05, A + B Freeswing Level: 00.00

WRISTS

OTTOBOCK ELECTRIC WRIST *ROTATOR (NO MYOROTRONIC)* OR FILLAUER MOTOR DIRECT 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

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

OTTOBOCK SENSORHAND, MYOHAND VARIPLUS, SYSTEM ELECTRIC GREIFER, SYSTEM ELECTRIC HAND

Ensure 'control mode'/'program' 1

FILLAUER PROHAND, PROETD/ETD2
HAND SET UP
 • Input Type: EMG, Hand Direction: A
 • Hand Filtering: Quick
 • Channel: Dual
 • Control: Differential
Thresholds/Outputs
 • A: 15, B: 15
Input Gains
 • A: 5, B: 5

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

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