

# U3+ Features and Instructions

Fact Sheet

Motion Control  
division of  
*Fillauer*®

# U3+ Features and Instructions

## Fact Sheet

### 2-Stage Lock

- The 1st Stage Lock, or Brake, engages when the U3+ Elbow is held stationary (by the motor) for the Lock Time setting.
- The 2nd Stage Lock Pin automatically engages when the forearm is loaded with ~10 lbs (4.5 kg). Power must be on or Lock Pin will not engage.

### Silent Freeswing

Dropping forearm to the extension stop results in Silent Freeswing.

**Warning:** Do not hold loads over 10 lbs (4.5 kg) on the forearm with the 1st Stage Lock (Brake). Make sure the wearer keeps the power ON while lifting loads, so the 2nd Stage Lock engages - loads up to 50 lbs (22 kg) may be supported by the 2nd Stage Lock.

Figure 1



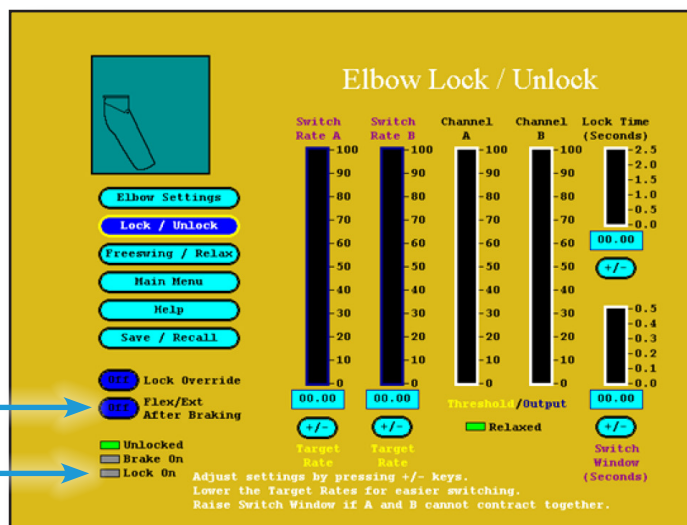
### Flexion/Extension after Braking

Figure 2

- When Elbow and Hand are using separate inputs, "Flex/Ext After Braking" may be enabled on the Lock/Unlock screen in the Elbow Menu (Figure 2).
- This feature is available in both Sequential and Simultaneous control – but "Separate Inputs for Elbow and Hand" must also be selected.

Figure 2: Flex/Ext After Braking enabled here

2-Stage Lock Status



### U3+ Lock Override Button - 3-Push Cycle

- Push #1 - activates the Brake
- Push #2 - activates the Lock Pin
- Push #3 - releases both Brake and Lock Pin

### Battery Jump Start [When the U3+ battery is expended, and the elbow is locked]

- For the 1st Stage Lock (Brake), the Drive Belt must be turned manually (within the forearm). Remove the Forearm Cover and turn the Drive Belt with a finger, until the elbow flexes enough to remove (and exchange) the battery pack. Alternatively, the two belts could be removed, allowing the Elbow to flex easily, then removing the battery, and exchanging with a charged battery.
- To release the Lock Pin (2nd Stage Lock), a 9 v battery is required to Jump Start. Touch the 9 v battery terminals to the jump start pins on the distal Hand Circuit (within the Forearm), while observing the correct "+" and "-" polarity as indicated on the screen print adjacent to the pins.

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