

MyConfig User Guide

Home



MyConfig Home

MyConfig Home is a software program for MyoPro users in the home environment. MyConfig is compatible with all versions of the MyoPro (Motion E, Motion W, and Motion G).

MyConfig allows you to:

- Observe your EMG signals while working with your MyoPro.
- Select the *Start Mode* for the elbow and hand (if applicable).



MyConfig Getting Started

Step 1: Locate MyConfig

MyConfig is located on the Myomo laptop desktop.



Step 2: Turn on the MyoPro

Press the power button on the MyoPro control panel.

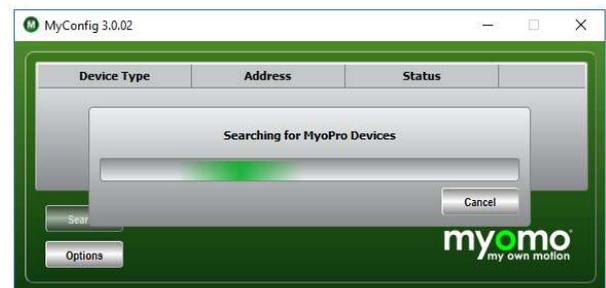


Step 3: Launch MyConfig

Double click the MyConfig icon to launch the application.

The first screen you see should look like this:

MyConfig is searching for the MyoPro via a wireless Bluetooth connection.



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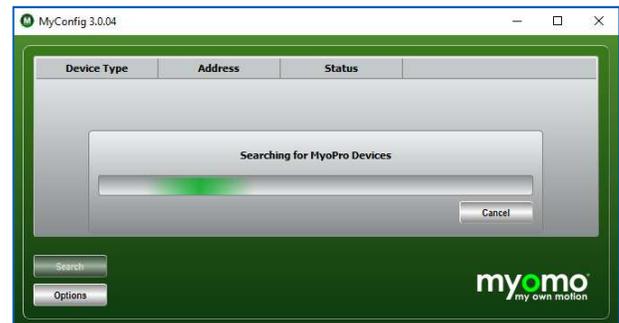


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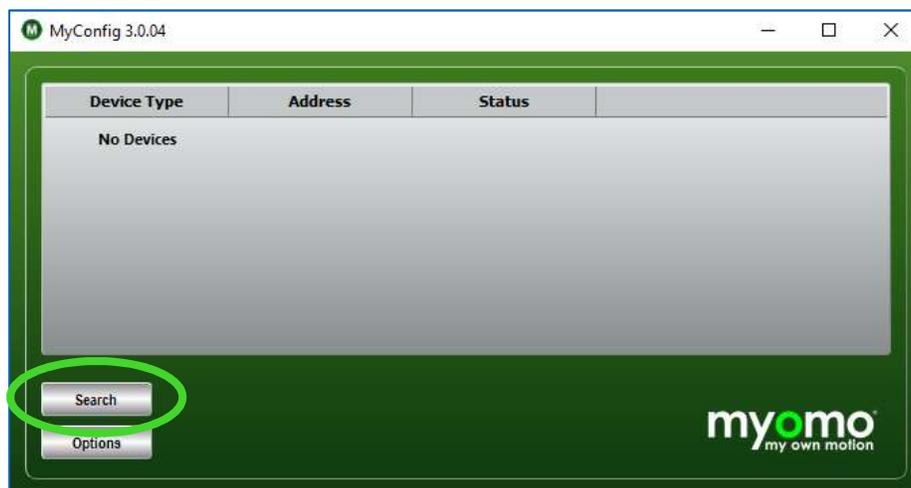
MyConfig is searching for the MyoPro via a wireless Bluetooth connection.



MyConfig MyoPro[®] Search

If the MyoPro is **on** when you launch MyConfig, the search will begin automatically.

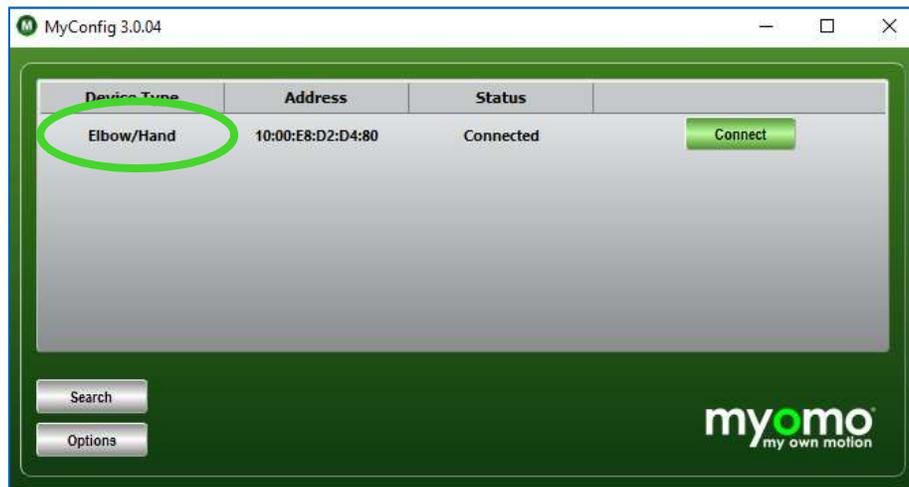
If the MyoPro is **off** when you launch MyConfig, or if the MyoPro & MyConfig do not connect, select the *Search* button to start a search.



MyConfig MyoPro® Found

Note: MyConfig may recognize other Bluetooth enabled electronic devices.

If more than one Bluetooth signal is found, select the MyoPro you wish to connect to by double-clicking its name.



MyConfig MyoPro® Connection

After a brief search, a window will appear for each MyoPro joint:

Elbow



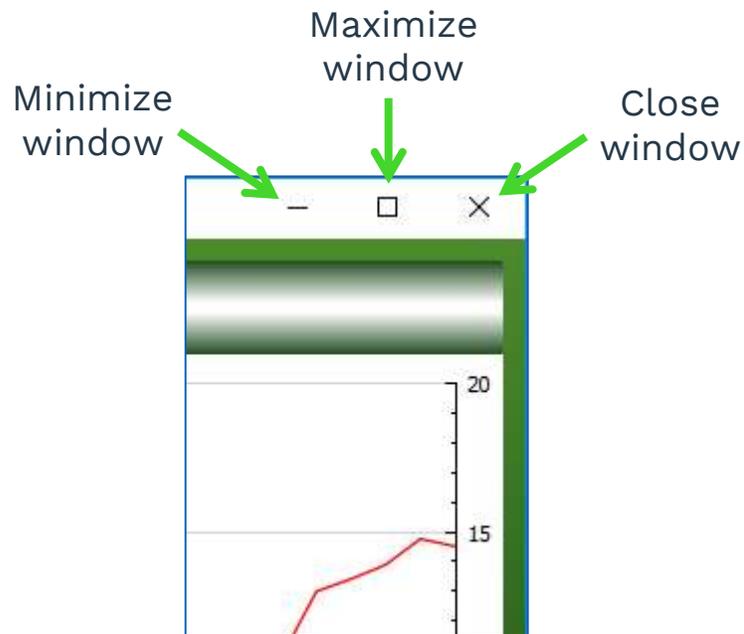
Hand



MyConfig **Resize Windows**

Quickly minimize, maximize, or close windows by using the icons in the upper right window corner.

Alternatively, while hover the mouse cursor over the window edge, left-click and hold with one finger, while using a second finger on the trackpad to resize the window.



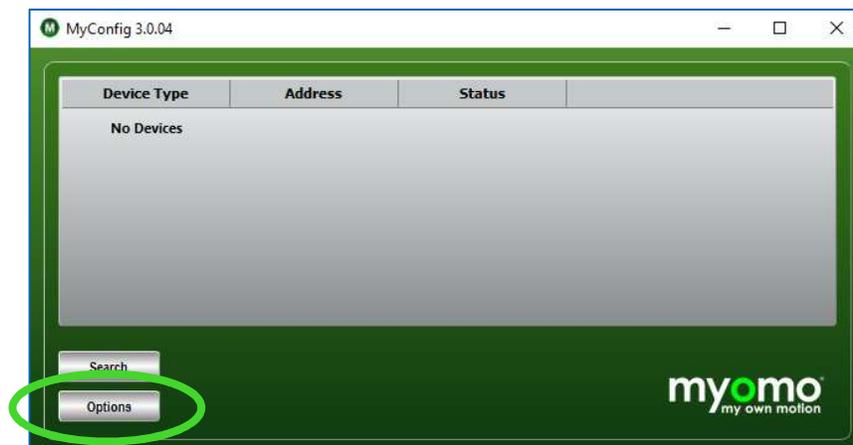
Note: If MyConfig is connected to a MyoPro Motion G, it is possible one window (hand or elbow) may obscure the other window.

To view both windows simultaneously, left-click and hold within the bar header at top of the window (for instance, to the left of the minimize, full screen, and close command buttons in the upper right), then drag the window to a different area.

MyConfig **Resize Windows (cont.)**

To pre-set the dimensions of the EMG graph windows, perform the following steps:

1. Select *Options* in the lower left of the launch window.



2. Set *Window Controls* in the upper right of the Preferences window.



MyConfig EMG Graph(s)

These are the lines of the graph(s) to watch when you flex (the line will peak) or relax (the line will valley and level out at the bottom) respective muscles.

Elbow **red line** is the triceps signal

Elbow **blue line** is the biceps signal



Hand **yellow line** is the wrist extensors signal.

Hand **green line** is the wrist flexors signal.

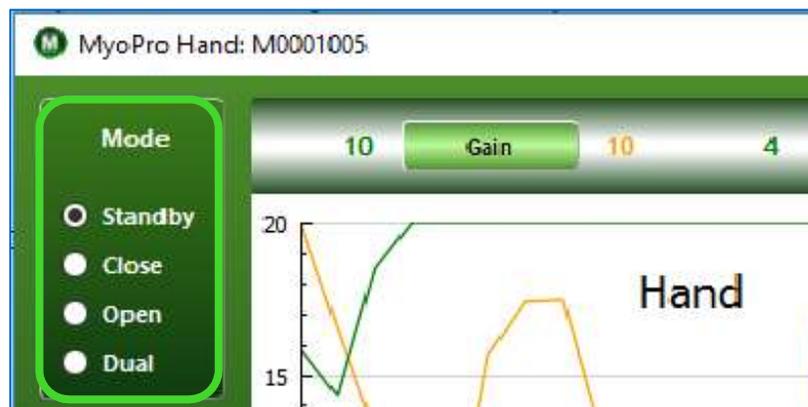
MyConfig Changing Modes

Modes for both the elbow and the hand can be changed by clicking on the circle next to the desired mode.

The selected button appears black in the middle, or filled-in; unselected buttons appear white.

Clicking the desired circle will instantly change which muscle signals the MyoPro is responding to.

Note: Elbow modes may also be changed on the MyoPro control panel.

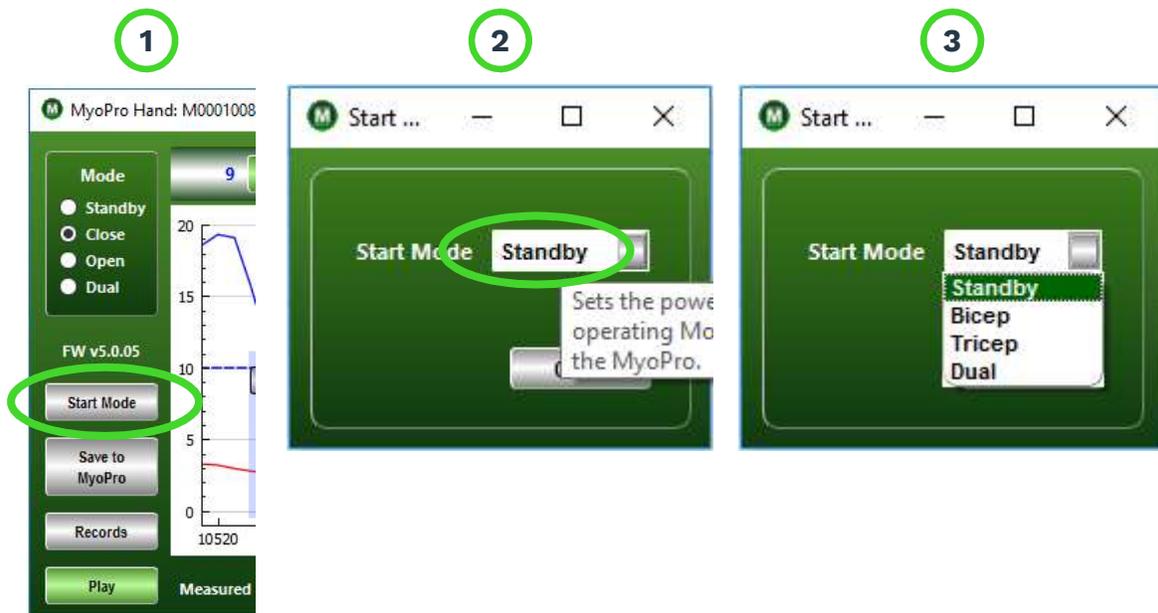


MyConfig Start Mode

The grasp is pre-set to be in *Standby* mode when the MyoPro is first powered on. However, you may prefer a different grasp *Start Mode*.

To change the *Start Mode*:

1. Select *Start Mode*.
2. A new window will pop up; from the dropdown menu, select the desired *Start Mode*.
3. Select *Close*. the setting will be saved to the MyoPro for the next time you power it on



MyConfig Settings **Gain**

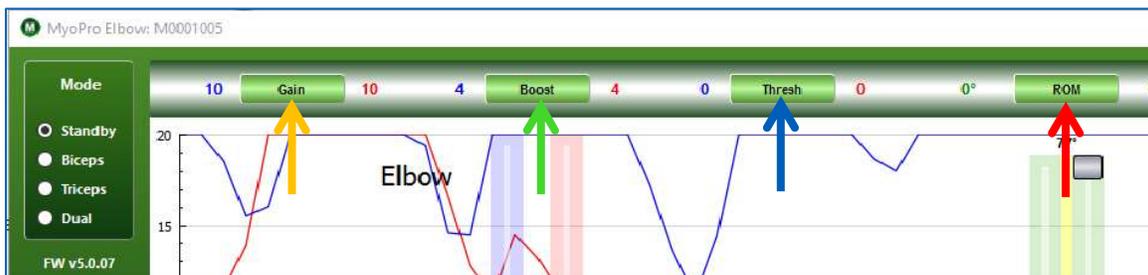
Across the top of MyConfig window are the MyoPro settings which have been set by your clinician or therapist. The MyoPro settings, which are not adjustable in the home version of MyConfig, include: *Gain*, *Boost*, *Threshold (Thresh)*, and *Range of Motion (ROM)*.

Gain is the amplification of EMG signal by the sensor hardware. A higher *Gain* will provide more amplification of your EMG signal.

Boost is the amplification of EMG signal by the software. A higher *Boost* will provide more amplification of your EMG signal.

Threshold is the value your EMG signal must cross to activate the joint motor. The *Threshold* may be crossed by activating your muscle (increasing EMG signal) or relaxing your muscle (decreasing EMG signal).

Range of Motion (ROM) is how far the MyoPro elbow will rotate flexing or extending your arm. Additionally, *ROM* limits how far apart or close together your fingers will move to grasp and release (Motion G users only). *ROM* helps ensure the movement is within a comfortable movement range for your body.



Contact your O&P provider if you believe your settings need to be adjusted.

MyConfig Troubleshooting

I started MyConfig, but it did not connect to my MyoPro.

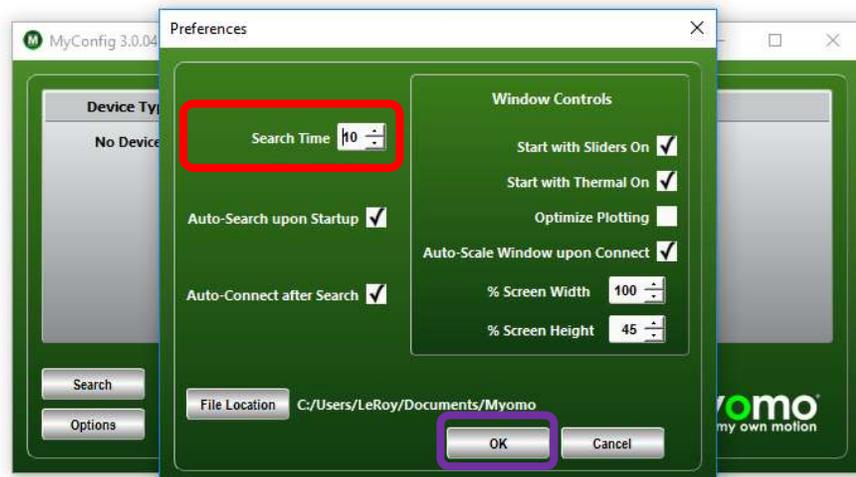
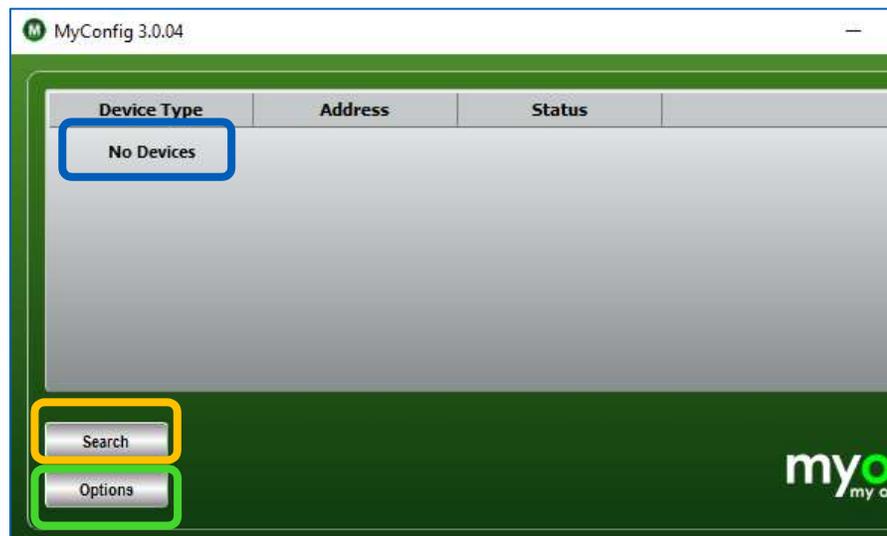
If you are unable to connect (*No Devices*) to your MyoPro with MyConfig, try the following solutions:

Solution 1

1. Ensure the MyoPro is powered on.
2. Select *Search* to search again.

Solution 2

1. Select *Options*.
2. Increase the *Search Time*.
3. Select *OK*.
4. Select *Search* again.



MyConfig Troubleshooting

Watching MyConfig, I see my EMG signal floating high on the graph, and/or is unresponsive to my attempts to activate or relax my muscles.

If the EMG signals in MyConfig do not mimic your muscle activation and relaxation, consider the following:

1. Relax. Ensure you are relaxed. Try taking your mind off of your arm and your MyoPro, the signal, or anything else related to the orthosis for a minute or two, and see if your signal changes.
2. Sensor Position. Check to make sure the sensors are flush on your skin (not tilted partially off of your skin or partly on a bony structure).
3. Hair. Check for hair interference – if floating EMG continues to be an issue, try trimming your arm hair for better sensor-to-skin contact.
4. Perspiration. Check for perspiration. If floating EMG continues to be an issue, try an antiperspirant wipe (e.g., CertainDri).
5. Sensor Cuff Tension. Sensor cuffs may be too loose – ensure the sensor cuffs are comfortably snug.



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