BarrettHand Control SDK Quickstart Guide

Congratulations on purchasing your BarrettHand! This guide will help you install the included software to test your robotic grasper. Uninstall previous versions of the BarrettHand Control software if they are on your computer. More information can be found in the each platform's README file to compile and run the demos, examples, and API. Please follow the directions below to install the cross-platform compatible software and then verify that you are able to connect to the hand.

Windows XP/Vista/7 (32-bit) Install
1. Open the bhandMM_DD_YY.exe file included with your robotic hand.
2. Follow the installation instructions.
3. A driver installer for PEAK CAN support will pop up. Select the USB-CAN driver.
4. The installation will finish and there will be a shortcut to the demos, examples, and BarrettHand Control GUI in Start Menu > All Programs > Barrett Technology.
5. Select BarrettHand Control GUI.
6. The GUI Window will pop up, and in the upper-left corner there will be an option for hand selection.
7. Choose either BH8-280 or BH8-262 depending on your model. Select either Serial Mode or Can Mode depending on your connection. *Note the BH8-262 does not have CAN support, so you must use a Serial RS-232 connection here. If you are using a USB to Serial adapter, you must go to device manager and look up the port number.
8. Click Init Library and wait for the hand to load. Occasionally, it may time out and you must click Init Library a second time after an error box is shown.
9. If the hand has been initialized successfully, you may now move to any of the other four tabs to experience the full functionality of the BarrettHand.

Ubuntu 9.10 or Later Install
1. Open the bhandMM_DD_YY.deb (or 64 bit version if applicable) file included with your robotic hand.
2. The package will open and you must select install.
3. Upon completion, the Barrett directory will be located in /usr/local/Barrett.
4. It is better to open the GUI through terminal, so follow the commands below to load the GUI
   ```
   sudo su # Root access (it will ask for your password)
   cd /usr/local/Barrett/BHand/bhcontrol
   ./BHControl
   ```
5. The GUI Window will pop up and in the upper-left corner, there will be an option for hand selection. Choose either BH8-280 or BH8-262 depending on your model. Select either Serial Mode or Can Mode depending on your connection. *Note the BH8-262 does not have CAN support, so you must use a Serial RS-232 connection here. If you are using a USB to Serial adapter, your port is most likely USB0.
6. Click Init Library and wait for the hand to load. Occasionally, it may time out and you must click Init Library a second time after an error box is shown.
7. If the hand has been initialized successfully you may now move to any of the other four tabs to experience the full functionality of the BarrettHand.

Refer to the BHControl GUI Manual to use the GUI, the BH8-Series Manual to answer your questions you have on the hand, and README.TXT/README_LINUX file for post-installation use of the SDK.

For Barrett Support email support@barrett.com.