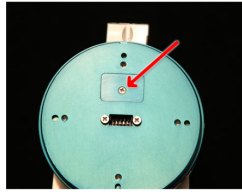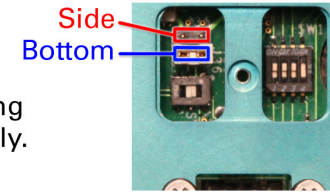# BH8-280 Quick-Start Guide

Step 1

Open the Config-Panel located on the bottom of the hand by loosening Phillips head screw and lifting the cover.
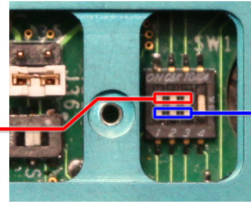
Step 2

Select which socket the Hand will draw power from, by setting the Power-In jumper accordingly.

Side
Bottom

Step 3

If plugging the Hand into a 280 compatible WAM or the included power supply, toggle switches 1, 2,and 3 up, as shown. Doing this will enable the use of the user lines.
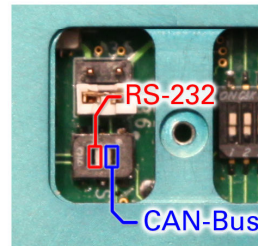
If plugging the Hand into a legacy WAM or legacy power supply, toggle switches 1, 2, and 3 down, as shown. (failing to do so, can result in damage)

If you're not sure about what you're plugging into, contact support@barrett.com
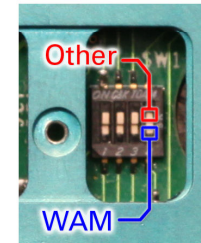
Step 4

If plugging into a legacy system or using RS-232 through the included power supply, toggle the control mode switch to the left. Skip to step 6.

If plugging into a 280 compatible WAM or using CAN through the included power supply, toggle the control mode switch to the right.

RS-232
CAN-Bus

Step 5

If plugging into WAM, toggle switch 4 down. Otherwise toggle switch 4 up, for proper CAN-Bus termination.

Other
WAM

Step 6

Replace the cover that you removed in step 1.   NOTE: Repeat Steps 1-6 every time you change your setup.

Attaching Hand Cable

The connector is keyed to only engage in one orientation and should never be forced. When plugging into the bottom, tighten the two screws on either side of the socket to expand the O-rings and secure the cable.
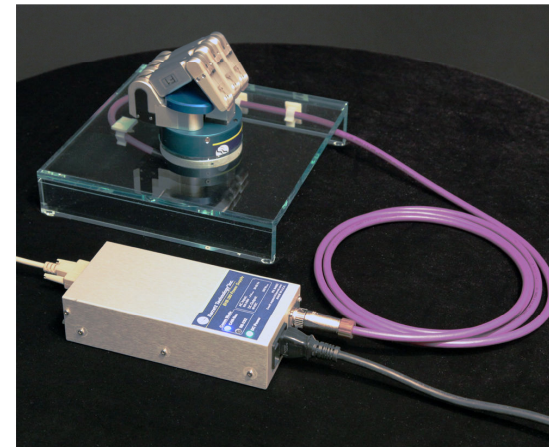
Test-Mount Set Up

Using the BH8-280 Power Supply

Plug the bayonet connector end of the Hand cable into the power supply. Use the supplied power cord to plug into a grounded AC outlet. Use the suppled Comm cable to connect the Control socket on the back of the power supply to your computer's CAN-Bus Card, or its USB port, with the aid of the included USB-CAN converter. Set the Control Mode switch (located on the back of the power supply) to CAN Bus Mode. Turn the power supply on. Confirm that the DC output is functioning(green LED) and that the Control Mode is set to CAN-Bus (blue LED).

Control Mode	
CAN Bus -	▢
RS-232 -	▢

Installing Software

Peel the blue tape off of the supplied USB memory stick, remove cap, and insert into your Windows PC.

Run the BHand install file (Autorun or double-click on "BHand_x_xx_xx.exe" in the memory stick's folder). Follow the installer's prompts to complete the installion.

If your computer does not have a CAN-Bus card, you will need to use the supplied USB-CAN converter. To install the appropriate drivers, open the "PCAN-CD" folder on the supplied memory stick and run "intro.exe". After selecting your language, click "Drivers", select "PCAN-USB" and click on "Install Now" in the lower right corner. Follow the installer's prompts to complete driver installation.

Basic Operation

Set up the BarrettHand in the test mount (as shown on the other side) and plug in and turn on the Power Supply. Make sure all the of the cables are plugged in and if using a USB-CAN converter, that the drivers are installed.

Run the BarrettHand Control GUI.
(At the end of installation, or "Start Menu->Programs/Barrett Technology/BarrettHand/BarrettHand Control GUI")
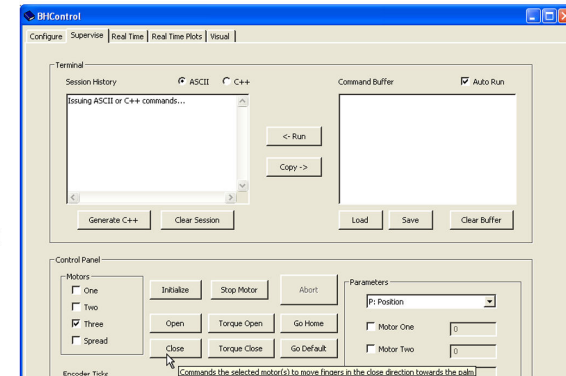
In the "Configure" tab click on "Initialize Library". At this point the BarrettHand should go through its preprogrammed initialization movements.

Click over to the "Supervise" tab, and select the "Auto Run" check box in the upper right-hand corner.

At this point you can control individual motors by selecting them in the "Control Panel" area and then toggling them open and closed with the provided buttons.

For more advanced control, read the BarrettHand Control GUI Manual.
(Start Menu->Programs/...
    ...Barrett Technology/BarrettHand/Manuals/BH Control GUI Manual)

If you have any questions or concerns, please contact Barrett Technology Inc by emailing:
support@barrett.com

Barrett Technology®Inc.