

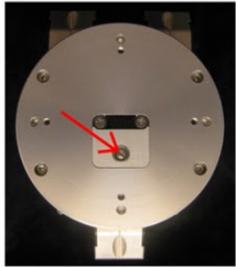
-Print Quickstart-Guide_Front.pdf and Quickstart-Guide_Back.pdf in 100% scale on 67 lb 17"x11" card stock.

-Coat the back of one of them with spray on adhesive, and glue on the second, back to back, oriented such that the top of each page shares an edge with the top of the other page (you should be able to continue reading the other side by flipping the guide along the longer edge of the paper), align the edges as best you can.

BH8-282 Quick-Start Guide

Step 1

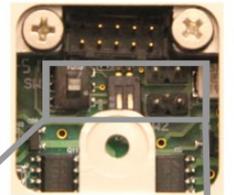
Open the Config Panel located on the bottom of the hand by loosening the captive screw and lifting the cover.



Step 2

Set the jumpers and switches located underneath the Config Panel to match your current setup, according to the following instructions.

Check these settings (and change, if needed) EVERY TIME you change your setup. Failing to do so can result in damage.



A: Communications: Toggle switch DOWN if using CAN communications, UP if using RS-232 communications.

B: Mounting Configuration: Toggle LEFT switch UP if the Hand is attached to a WAM Arm, DOWN if it is being used alone (for proper CAN-Bus termination). The RIGHT switch should always be toggled DOWN.

C: Active Port: Install UPPER jumper to draw power from the Bottom Port (Fig. 1), or LOWER jumper to draw power from the Side Port (Fig. 2).

A Reference Decal (Fig. 3) for these positions is printed on the bottom of the Config Panel. Once jumpers and switches have been correctly set, replace the Config Panel.

If you have any questions about your setup, contact support@barrett.com



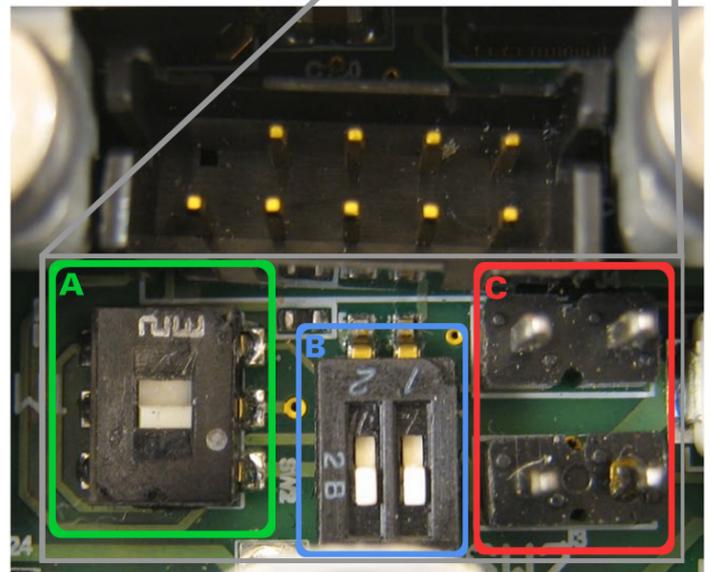
Fig. 1: Bottom Port



Fig 2: Side Port



Fig 3: Reference Decal



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 to expand the O-rings and secure the connector.

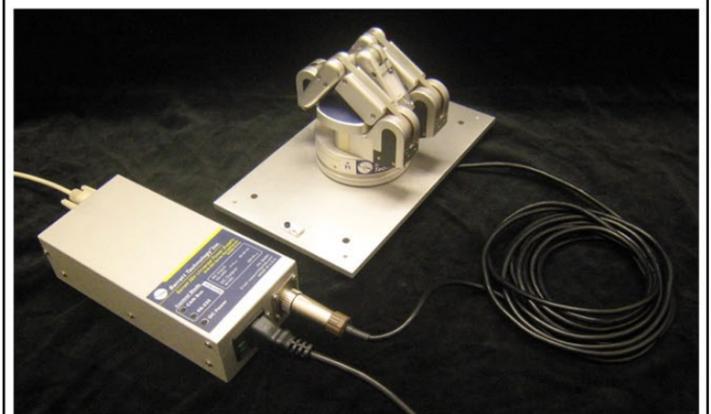


Using the BH8-280 Power Supply

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 supplied 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).



Test-Mount Set Up



Continued on back...

-Smooth the glued guide out on a flat surface and leave to dry for 10 minutes to avoid warping.

-Lay the guide down on a cutting board, this side up, and with the aid of a ruler, use an Exacto knife to crop the guide to size, following the square black border seen on this side.

-Use an Exacto and ruler to cut off the black corner in the upper right of the guide.

-After cropping the guide to size from the other side, adhere the loop side of the Velcro circles over the black circles below.

-Place the Velcro template into the hand case's quickstart guide cavity, with the trimmed corner in the upper right, and mark the foam underneath with a sharpie through the four punched out holes, then remove the template.

Continued... Installation and Operation

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 installation.

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/BarrettTechnology/BarrettHand/BarrettHand Control GUI")

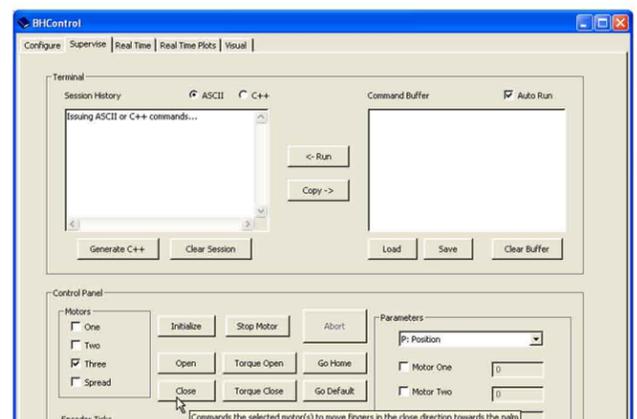
In the "Configure" tab click on "Initialize Library". At this point the BarrettHand should go through its preprogrammed initialization movements.

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/...

...BarrettTechnology/BarrettHand/Manuals/BH Control GUI Manual)



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

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-Glue on the hook side of the Velcro circles over the four Sharpie marks that you just made with a drop of hot glue. (The adhesive backing isn't good enough alone)

-Wait for the glue to cool then Velcro the Quickstart guide in place.