

## Installation Instructions for DynaVox DV4/MT4

There are subtle differences between the dimensions and contours of the DynaVox DV4 and MT4 and they are incorporated into two similar mounting brackets. Each bracket uses identical methods to attach the HeadMouse® Extreme (HME) to the bracket and the bracket to the DV4/MT4.



DynaVox DV4 Bracket

The brackets come with low-density Dual Lock fasteners and rubber pads preinstalled for securely attaching the HeadMouse Extreme to the bracket. The HME is positioned with its high-density Dual Lock fastener aligned with the Dual Lock fastener on the bracket. The HME should be oriented such that the connectors point up. Next, firmly press the HME against the bracket until the Dual Lock mates. There may or may not be a clicking sound as the Dual Lock fasteners connect.

There are two suggested methods for attaching the bracket to the DV4/MT4. One is for temporary and the other is for semi-permanent installations. There are several issues to consider when deciding which method to use:

1. Temporary installation is well suited for one-time evaluations of the HME or other occasional uses.
2. The Dual Lock fastener is stronger than the adhesive putty and attempted removal of the HME from the bracket may remove the bracket from the DV4/MT4.
3. Removal of a semi-permanently installed bracket from the DV4/MT4 may not be easy and removal of adhesive residue may require a mild adhesive solvent, such as Goo Gone (<http://www.magicamerican.com/googone.shtml>).
4. The semi-permanent installation is more secure and easier to apply.
5. The semi-permanent installation is recommended by Origin Instruments for most applications.

### TEMPORARY INSTALLATION

The temporary installation employs what can best be described as reusable adhesive putty. There are several brands of putty and some form a more secure bond than others. One suitable product is known as “Tac ‘N Stik” and in the USA it is sold by Elmer’s Products, Inc. Any brand with similar characteristics can be used.



Bracket with Adhesive Putty

For installation, form the supplied adhesive putty into three thin strips. Apply these strips to the surfaces of the bracket, which interface to the DV4/MT4. The

bracket is then affixed to the DV4/MT4 with moderate pressure. The putty will set over several days and form a more secure mount during this period.

*Please be aware that the temporary adhesive may not be as strong as the Dual Lock fastener. Therefore, when attempting to remove the HME from the bracket the bracket may detach from the DV4/MT4 instead.*



Placing Bracket with Adhesive Putty

### SEMI-PERMANENT INSTALLATION

This method of attaching the bracket to the DV4/MT4 involves affixing three pieces of double stick foam tape to the bracket and carefully placing the bracket on the DV4/MT4. Some care must be taken to properly place the bracket the first time. After the tape sticks it can be difficult to remove and reposition the bracket. Once the bracket has been affixed to the DV4/MT4 the adhesive will set over several days and form a secure bond. Therefore, if you decide to reposition the bracket it will be much easier if it is removed within a few minutes after it has been applied.

Any double stick foam tape with a strong adhesive can be used. One suitable product is known as “Heavy Duty Mounting Tape,” is sold by 3M in the USA, and is often available from office supply retailers.



Bracket with Foam Tape

Affix two short pieces of tape to the “legs” of the bracket on the side with the ledge. Then, place a long piece of tape along the ledge, on the same side as the two small pieces. Once the long piece is attached, cut off any excess material. Remove the tape backing, and carefully place the bracket on the DV4/MT4, taking care to position the legs such that the small microphone hole on the DV4/MT4 is not covered.



Cutting Excess Foam Tape



MT4 with Bracket Positioned

## Setting the DV4/MT4 Selection Methods

**NOTE: BE SURE THE DV4/MT4 IS OFF WHEN THE HEADMOUSE EXTREME IS CONNECTED OR DISCONNECTED.**

The selection method that should be used with the HeadMouse Extreme is Mouse Pause. Selections, or “clicks”, can either be made by dwelling, or an external switch can be used in conjunction with the HeadMouse Extreme.

### I. When making clicks automatically by dwelling:

1. Select the arrow ▼ pull down menu.
  - a. Chose SETUP ►
  - b. Chose Setup Menu.
2. Select the SELECTION METHOD pull down menu.
  - a. Chose Mouse Pause
  - c. Select OK
3. Choose “Selection Method Settings”
4. Select the “Select With” pull down menu
  - a. Choose Pause
5. Set the Mouse X Speed and Mouse Y Speed sliders to 100. This setting adjusts the amount of head movement required to take the pointer from one edge of the screen to the other.
6. Set the Pause Time to around 1000. This adjusts the amount of time the cursor must be held still before a selection is made. Too fast and errant clicks will be made, too slow and it becomes difficult to hold the pointer still.
7. Choose OK.
8. Choose OK again.

As the user moves the pointer around the screen, see if the settings for Mouse Speed and Pause Time are optimal. Go back to the Set Up menu and make changes if needed, adjusting the Mouse Speed in small increments to the desired sensitivity for the user. Changes will not take place until you exit back out of the Set Up menu. Repeat steps as needed for desired Pause Time and Mouse Speed.

### II. When making clicks with an external switch:

1. Select the arrow ▼ pull down menu.
  - b. Chose SETUP ►
  - c. Chose Setup Menu.

2. Select the SELECTION METHOD pull down menu.
  - a. Chose Mouse Pause.
3. Choose “Selection Method Settings”
4. Select the “Select With” pull down menu
  - a. Choose External Switch
5. Set the Mouse X Speed and Mouse Y Speed sliders to 100. This setting adjusts the amount of head movement required to take the pointer from one edge of the screen to the other.
6. Set the Pause Time to zero.
7. Choose OK.

As the user moves the pointer around the screen, see if the settings for Mouse Speed are optimal. Go back to the Set Up menu and make changes if needed, adjusting the Mouse Speed in small increments to the desired sensitivity for the use. Changes will not take place until you exit back out of the Set Up menu.

### **Mouse Pause Rest Feature**

The Mouse Pause selection method provides a means of activating messages by directing the mouse pointer to the specific message and pausing over the message. To eliminate the inadvertent activation of message buttons, individuals who use HeadMouse Extreme in the Mouse Pause mode, can temporarily disable the Mouse Pause feature by creating a Mouse Pause rest button. On the DV4/MT4, this is done by creating a blank popup page.

1. Select the arrow ▼ pull down menu.
  - a. Chose Page Editing ►
  - b. Chose Page Editor. A dialog box will popup saying “to edit you must use touch enter”. Choose Yes.
2. Select the arrow ▼ pull down menu from the top of the screen (not from the “properties” dialog box)
  - a. Choose File
  - b. Choose New Popup
  - c. A box comes up asking for a new page name, enter “Rest Popup”
  - d. Choose OK, choose OK again to bypass the new popup title.
  - e. Now this new popup window will appear.
3. Now select the popup window. The edge of the popup box will turn blue if it is selected. (click or touch in the popup box top bar if not yet selected)
  - a. Maximize the “Properties” dialog box (if not already maximized) by clicking the top right corner of the dialog box.

- b. On the dialog box, in blue, it should say “Popup Style”.
  - c. Select the pull down menu ▼ under “Popup Style”.
  - d. Choose “static box”
  - e. Now choose the resize icon on the “properties” dialog box (this icon looks like a rectangle with arrows pointing at each side of the rectangle).
  - f. Click and drag the edges of your popup box to cover as much of the screen as possible.
  - g. Click the  $\sqrt{\quad}$  button on the main toolbar next to “resize selection”
4. Now select the “button” icon on the tools pallet. This icon looks like a rectangle inside a rectangle.
  - a. Draw a small square in the popup window by dragging the button icon.
  - b. A keyboard will pop up to add a label. Label the button “Close Popup”
  - c. Choose OK
5. Select the popup.
  - a. In the “properties” dialog box (make sure this box is maximized by clicking the top right maximize box) select the Behavior Editor
  - b. Under “steps”, delete any function showing
  - c. Under “behaviors”, select “Close popup”
  - d. Choose ADD.
  - e. Choose OK.
6. Select the main arrow ▼ pull down menu at top of screen
  - a. Choose “Exit Page Editor”
  - b. Choose “Yes” to save.
7. Click in the box to close the popup menu.
8. Go to the Master Page (or a page one step away)
  - a. Select the green “modify button” button from top menu
  - b. Choose an empty button
  - c. Select label field box on system keyboard
  - d. Type “rest” or “HeadMouse rest”
  - e. Choose OK
  - f. Choose OK (to bypass the symbols)
9. Now choose “Behaviors”
  - a. Under “steps”, select anything which may appear and delete it
  - b. Under “behaviors”, select “Go to page”

- c. Choose ADD.
- d. The “select pages” box will appear. Scroll to end of list on the right where the popup you created, “Rest Popup” should appear. Choose Rest Popup.
- e. Choose OK.
- f. Choose OK again, and then again.

Now, on your main communication page you should have created a box labeled “rest”. When you choose this box, a popup window should cover the page with one box on it which reads “close popup”. This will pause the dwell selection by creating a neutral area for the pointer to rest. This allows the user to turn their head away from the screen without inadvertently making speech selections. To resume speaking, simply choose “Close Popup”, which closes the popup and returns to the master page.



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