Vengeance® M90 Gaming Software

Button Programming Quick Reference

Revision 1.0

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Introducing the Vengeance Gaming Software

Welcome

Thanks for choosing the Vengeance M90 laser gaming mouse. This Software Reference Guide is designed to help you quickly learn to configure your mouse's buttons. You can find a community of other Vengeance-equipped gamers at www.corsair.com/forums, on Facebook at www.facebook.com/VengeanceGaming, and on Twitter @CorsairMemory.

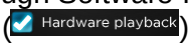
Compatible Product

This Quick Reference covers the Vengeance M90 gaming mouse. Other Quick References cover the other Vengeance gaming peripherals.

Hardware and Software Playback modes

Software Playback

This is the default setting for the Vengeance Gaming Software. In this mode, you can associate profiles with a specific .EXE, allowing the software to automatically switch to the correct profile when you launch the game assigned to it. This mode also allows more than six profiles to be accessible at the same time, and for certain functions such assigning a mouse button to launch a program to be available.

The main disadvantage of Software Playback mode is that some games disallow software macro playback through the Windows keyboard buffer as a means to prevent cheating. If your macros do not work through Software Playback mode, you can select the checkbox next to **Hardware playback**, (

) which will configure the mouse to play keystrokes and macros directly from the Vengeance M90's onboard profiles.

Hardware Playback

In Hardware Playback mode, all of the profile's settings are stored to and played back from the mouse's onboard memory, bypassing the Vengeance Gaming Software. In this mode, the Vengeance M90 mouse appears to the game to be a both a mouse and a keyboard, preventing it from disabling keystroke or macro playback.

The main disadvantages of Hardware Playback mode are that you will be limited to only six active profiles at a time, and that some advanced features of the M90 – such as automatic profile switching or assigning a mouse button to launch a program – will not be available.

If you are using Hardware Playback mode, after configuring your buttons you must save the profile to the M90 before they will function properly.

To save your profile to the onboard memory of the Vengeance M90 mouse, first click the **Manage Profiles** activity at the upper right of the Vengeance Gaming Software interface. Left-click on the LED icon next to the profile name, assign the profile to a memory slot using the drop-down lists, and select **Save to M90**. Once the progress indicator reaches 100%, click **OK**. Your updates are now saved to the Vengeance M90.

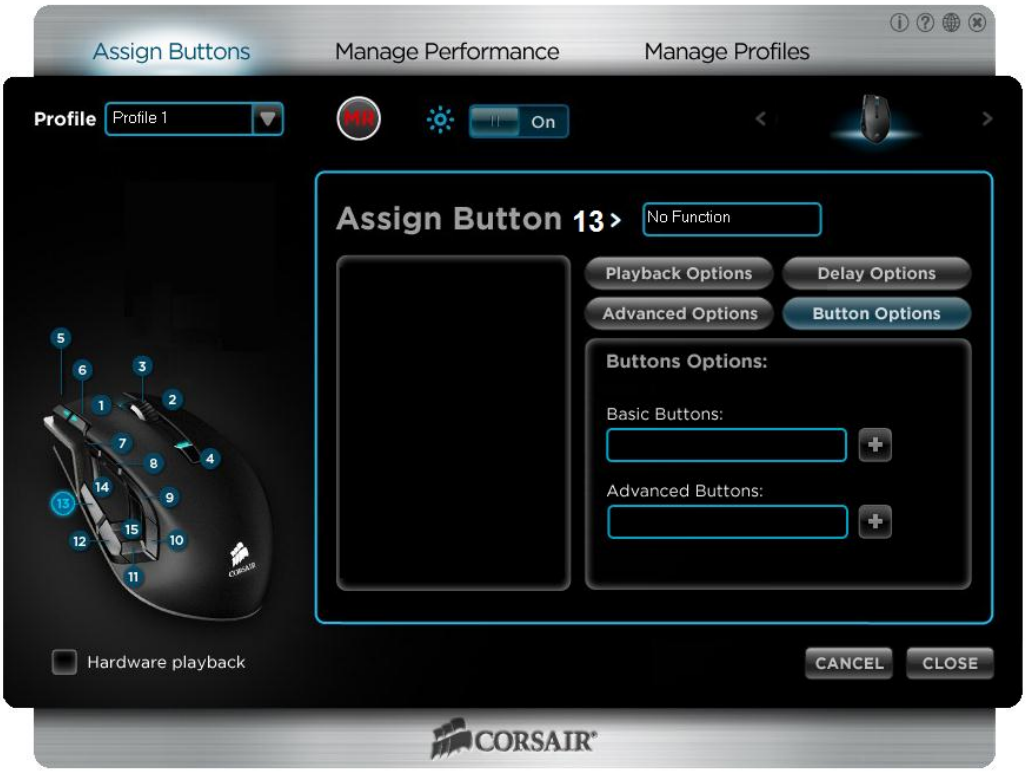
With up to 54 macros (6 profiles x 9 macro buttons each), the broadest compatibility with games, and the immediate visual feedback of the profile number you're currently using, hardware playback is the mode used by most of the gamers here at Corsair. Unless you're using more than six profiles at a time, this is probably your best choice for gaming.

Programming Buttons

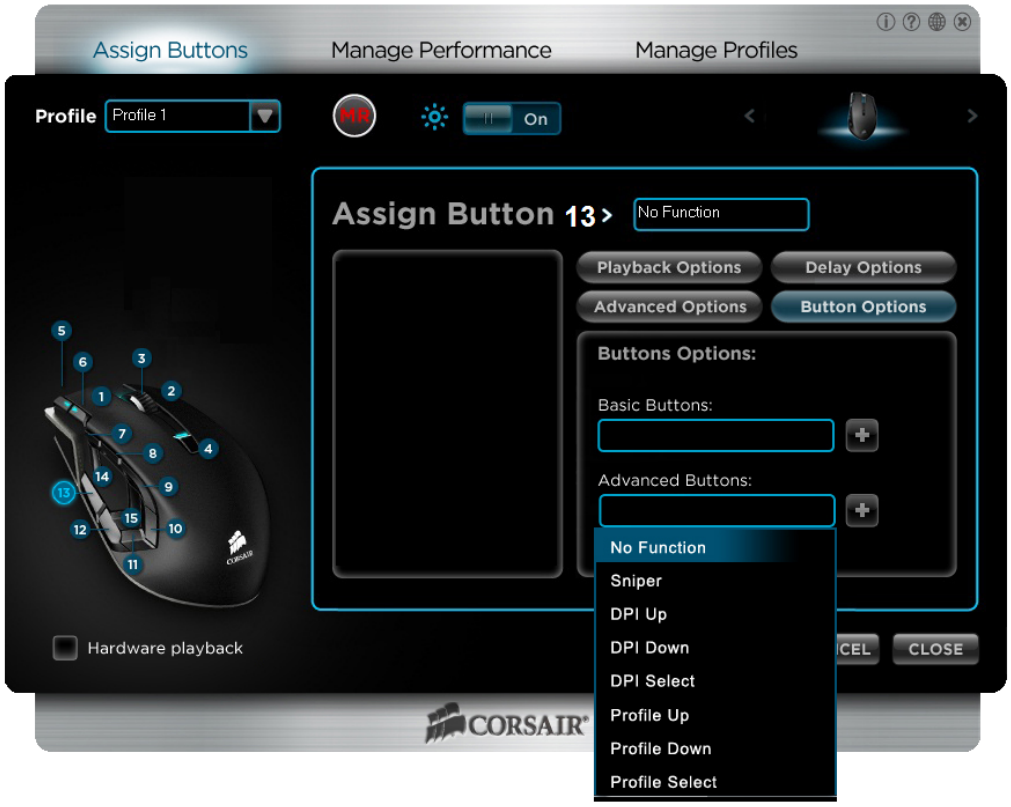
How to: Change a button mapping

You can control what happens when you click any button on the Vengeance M90. To illustrate how this is done, we'll map the Profile Up and Profile down actions to buttons that currently have no function assigned.

1. Open the Vengeance Gaming Software application
2. Select the **Assign Buttons** activity
3. Choose a profile to change. In this example, you can simply use the default **Profile 1**.
4. In the **Button Selection** area, click the button to which you want to map a new action. In this case, select 13. You should see the following screen:



5. Click on **Button Options** and then click in the **Advanced Buttons** box. You should see the following screen:



6. Click **Profile Up** to select that function, and then click **+** to assign the function to button 13 on the mouse. You can change the name of the button by clicking in the text box next to **"Assign Button 13 >"** and typing in a new name.
7. Now click on 12, select **Advanced Buttons**, click on **Profile Down**, and then **+** to assign the function.
8. Now click **Close**.
9. That's it! You've mapped Profile Up to button 13 and Profile Down to button 12.

If you are using Hardware Playback mode, you need to save the updated profile to your Vengeance M90 mouse before the new button mapping will be available. You can do this using the **Manage Profiles** activity. Left-click on the LED icon next to the profile name, assign the profile to a memory slot using the drop-down lists, and select **Save to M90**. Once the progress indicator reaches 100%, click **OK**.

How-to: Assign a keystroke

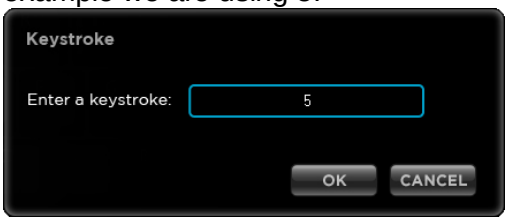
Because Windows only recognizes 5 mouse buttons natively, in order to assign functions in a game to your mouse's buttons you must first program them to emulate a keystroke or macro (series of keystrokes) from a keyboard.

You can assign any button on the Vengeance M90 to emulate a keyboard key using the "Keystroke" remapping function. This is very useful for applications like assigning a VOIP push-to-talk key. To illustrate how this is done, we'll create a simple macro that types "Hello World" in any application.

1. Open the Vengeance Gaming Software application
2. Select the **Assign Buttons** activity
3. Choose a profile to change. In this example, you can simply use the default **Profile 1**.
4. In the **Button Selection** area, click the button to which you want to assign the keystroke. In this case, select 9. You should see the following screen:

5. Click on **Button Options** and select the **Basic Buttons** control. Select **Keystroke** - the bottom option in the list, then click **+**.

6. Press the keyboard key you would like to bind to button 13, and then press **OK**. In this example we are using 5.



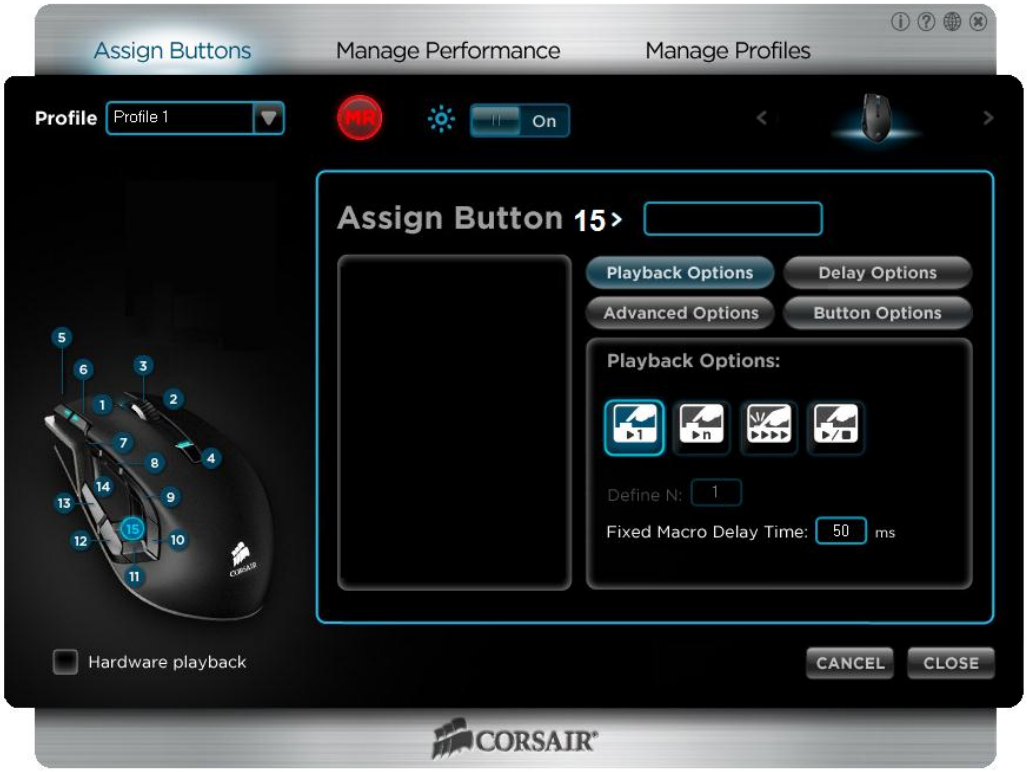
7. Now click Close.
8. That's it! You've assigned your first keystroke and now it's time to test it out. Open Notepad or Word (or your favorite text editor), start a new document, and then press button 13 on your Vengeance M90. You should see the number 5 appear as if you were typing it.

If you are using Hardware Playback mode, you need to save the updated profile to your Vengeance M90 mouse before the new keystroke assignment will be available. You can do this using the **Manage Profiles** activity. Left-click on the LED icon next to the profile name, assign the profile to a memory slot using the drop-down lists, and select **Save to M90**. Once the progress indicator reaches 100%, click **OK**.

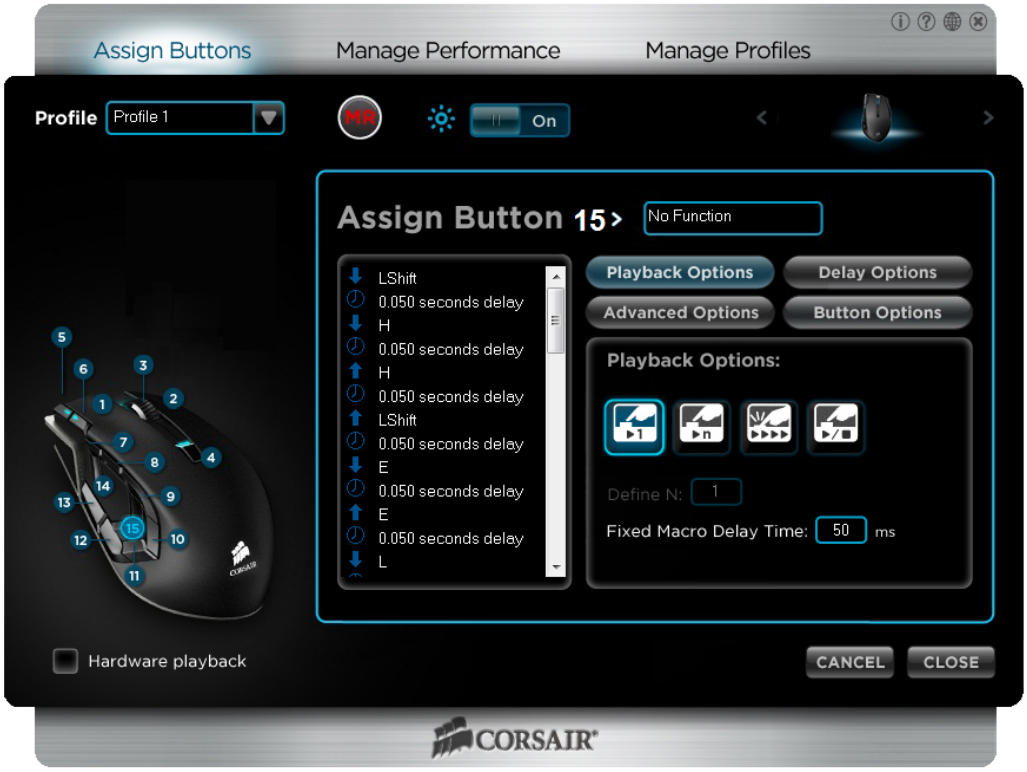
How-to: Record and assign a macro

You can record a macro (a series of keystrokes) and assign it to any button on the Vengeance M90. To illustrate how this is done, we'll create a simple macro that types "Hello World" in any application.

9. Open the Vengeance Gaming Software application
10. Select the **Assign Buttons** activity
11. Choose a profile to change. In this example, you can simply use the default **Profile 1**.
12. To start recording a macro, first click on the **MR** (Macro Record) button.
13. In the **Button Selection** area, click the button to which you want to bind the macro. In this case, select **15**. Assuming your mouse is set up with the factory defaults, you should see the following screen:



14. Now, type "**Hello World**" (without the quotes) on your keyboard. Use the shift key to capitalize the H and W. When you're done typing, click the **MR** button to stop the recording. You should see a screen similar to this:



15. Now, let's give the macro a name. Click in the text box next to **Assign Button 15>** . Delete the existing name ("No Function"), type in "Test" and then press **Enter**.
16. Now click **Close**.
17. That's it! You've created your first macro and now it's time to test it out. Open Notepad or Word (or your favorite text editor), start a new document, and then press button **15** on your Vengeance M90. You should see Hello World appear as if you were typing it.

If you are using Hardware Playback mode, you need to save the updated profile to your Vengeance M90 mouse before the new macro will be available. You can do this using the **Manage Profiles** activity. Left-click on the LED icon next to the profile name, assign the profile to a memory slot using the drop-down lists, and select **Save to M90**. Once the progress indicator reaches 100%, click **OK**.

How-to: Edit a macro

Once you've recorded a macro, you may want to edit it to remove an extra keypress or add one you missed, or change the delay. To illustrate how this is done, we'll edit our Test macro from the "*How-to: Record and assign a macro*" section in this guide.

> You can only edit macros that are bound to a button on your mouse. If you have macros that you have saved (using the **Export** function) and want to edit, you must first assign them to a button on the mouse.

1. Open the Vengeance Gaming Software application
2. Select the **Assign Buttons** activity
3. Choose a profile to change. Assuming you're using the Test macro we created in the *Record a macro* exercise, you can simply use the default **Profile 1**.
4. In the **Button Selection** area, click the button to which the macro you want to edit is assigned. In this case, select **15**. If you're editing our Test macro, you should see the following screen:

5. For this example, let's first add a couple of keystrokes to change the macro from creating "Hello World" to "A Jello World". Start by right-clicking on the first instance of 🕓 **0.050 seconds delay** (just below ⬇ **LShift**) to open the edit menu, which looks like this:

6. We will be adding a keypress, so select **Insert ⬇ Key** and the following dialog box will appear:

7. Enter the letter A, click OK and then select the ⬇ **A**
8. Now click **Insert Delay**, which inserts the default 50ms delay.

You can change the default value for the delay under **Assign Buttons > Delay Options**, or if you want a different value for just this delay, you can use the **Edit** function from the right-click menu to change it.

9. We've added the keypress of the letter A and now we need to enter the keyrelease. Right-click on the delay you just added, select **Insert ⬆ Key**, enter A in the dialog box and then click OK.
10. Add another delay by right-clicking the ⬆ **A** entry and selecting **Insert Delay**.
11. Do this same sequence to insert the space character: **Insert ⬇ Key**, press the space bar and OK, **Insert Delay**, **Insert ⬆ Key**, press the space bar and OK, and then Insert Delay to create the sequence that inserts a space.
12. Finally, let's change the H to a J and finish the macro. Right-click on ⬆ **H**, select **Edit**., change the H to a J in the dialog box, and click OK.
13. Do the same for the ⬇ **H** entry and you've finished editing your macro.
14. Now test it out. Open Notepad or Word (or your favorite text editor), start a new document, and then press button **15** on your Vengeance M90. You should see: A Jello World appear as if you were typing it.

If you are using Hardware Playback mode, you need to save the updated profile to your Vengeance M90 mouse before your edited macro will be available. You can do this using the **Manage Profiles** activity. Left-click on the LED icon next to the profile name, assign the profile to a memory slot using the drop-down lists, and select **Save to M90**. Once the progress indicator reaches 100%, click **OK**.