



Gesture Mouse



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Overview

The *Gesture Mouse* allows you to mimic the mouse control by using the Microsoft Kinect to interpret gestures and execute the main mouse functions. The program uses gestures to execute the main mouse functions: Left click, Right click, Double click, Scrolling, and Mouse movement.

What are Gestures

Gestures are pre-defined movements that the program recognizes.

Gestures include:

- Up
- Down
- Left
- Right
- Up-Left / Diagonal
- Up-Right / Diagonal
- Down-Left / Diagonal
- Down-Right
- In
- Out

Trackable body parts

The body parts that the program is able to use to detect gestures.

Body parts include:

- Head
- Arms (Left / Right)
- Legs (Left / Right)
- Hips

Getting Started

When the program is run it will automatically load the *Default User Settings*. These settings are as follows:

Gestures:

Mouse Enable : Left Arm – Up-Left & Right Arm – Up-Right

Mouse Disable: Left Arm – Down-Right & Right Arm – Down-Left

Mouse Tracking: Right Arm – Standard

Left Mouse Click: Left Arm – In

Right Mouse Click: Left Arm - Left

Left Double Click: Left Arm - Up

Scroll Enable: Left Arm - Right

Scroll Disable: Left Arm - Left

Scroll Tracking: Right Arm - Standard

Scroll Lock: Left Arm - In

Feeds:

All Feeds Enabled

Creating a User

To create a user in the Gesture Mouse Program first click the Create User button located on the left hand side of the window. A new window should appear asking for a desired User Name and a Password. You have to enter your password twice to verify that you typed it correctly. Your password must contain a minimum of 10 characters, a minimum of 1 number, and a minimum of 1 symbol.

Once you are done selecting a User Name and Password that is unique to you you will be directed to a window allowing you to customize your Feeds and Settings. (For more on editing Feeds or Settings see Customizing Settings) Once you have your settings the way you like them you can click Finish Setup to complete the creation of your user profile.

Customizing Settings

Customizing Gestures

To customize your gestures first click options on the left hand side of the main window. Next click Settings in the new window. This should bring up a window depicting all of your gesture settings (body parts, gesture motion, and sensitivity). From this window you can click any drop down to change a body part or gesture motion to change it to your preference. You can also slide the sensitivity bar to make the program more or less sensitive to gestures.

Once you have your Gesture settings the way you prefer you can click apply and the settings will be saved to your profile if you are logged in, or if you are just using the general user they will be set for the remainder of your session. If you wish to reset all the settings to the Default click the Restore to Default button in the bottom right corner of the window.

Customizing Windows

To customize your window settings first click the options button on the left hand side of the main window. Then click the feeds button on the pop up window. This should bring up a window displaying the name of the different streams you can turn on or off. If the check box is checked it means the stream beside it is turned on. To turn the stream off simply uncheck the box.

Once you have your window settings the way you prefer you can click apply and the settings will be saved to your profile if you are logged in, if you are using the general user the settings will be set for the remainder of your session. If you wish to reset all the settings to the Default settings click the Restore to Default button near the bottom of the window.

Restore To Default Settings

To restore all settings to the default settings first click the options button on the left hand side of the main window. Next click the Restore to Default button on the pop up window. You will be prompted to make sure you want to restore all settings. Click Yes and you will have reset all the settings back to the default.

Logging in to your User Account

To log into your user Account first click the *Log In* button in the top left corner of the main window. From the next window Select your user name and input your password. Then click the *Select* button and your settings will be loaded.

Logging out and Switching User Accounts

To log out of a user profile you simply have to click the *Log Out* button on the left side of the window. If you wish to switch user accounts you do not have to log out of the original one, you can simply log into the new user profile and the previous user profile will automatically be logged out of. Also if you quit the program the current user will be logged out.