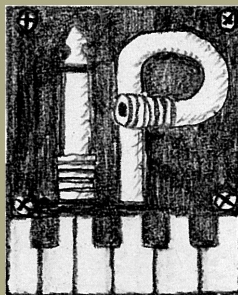


WheelWork
for
Reason

OPERATIONS MANUAL



the Instrument Panel

OVERVIEW

- Your mouse most likely has a wheel on it. If you look at your mouse from the side, that wheel rotates clockwise and counterclockwise, like a knob. If you look at the mouse from the top, the wheel's surface slides forward and backward like a fader. Wouldn't it be nice if you could roll or slide that wheel in Reason and have the control underneath your mouse pointer rotate or slide in sync with the wheel? WheelWork for Reason allows you to do just that!
- WheelWork is also compatible with touchpads. Throughout this document, references to rotating the mouse wheel are equivalent to using two fingers to scroll with a touchpad. Any differences or exceptions will be noted. If you are using a touchpad, be sure to read the section entitled "Using WheelWork with Touchpads".

MODES OF OPERATION

Knob Mode



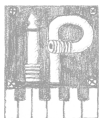
- Most of the controls on Reason devices are rotating knobs, which means they don't change their horizontal or vertical position when adjusted. In WheelWork the starting mode* is called "Knob Mode" and allows you to operate these rotational controls. Simply place the pointer over the knob you want to adjust and rotate the mouse wheel up or down to turn the knob clockwise or counterclockwise. If you want to reduce the sensitivity of the rotation, just hold down the [Shift] key as you normally would when clicking and dragging in Reason.

Slider Mode



- Most other controls in Reason are slider controls where the "handle" of the control moves up and down when adjusted. In Slider Mode, scrolling the mouse wheel will move the control underneath the cursor in the direction the wheel is moved while moving the mouse cursor along with it. In this mode, you may also hold down the [Shift] key to reduce the sensitivity. However, this will cause the cursor to drift away from its starting position on the control handle. For this reason, using [Shift] is only recommended for fine tuning adjustments once you have the slider close to its final position.

* The mode WheelWork starts in can be changed using command line options.



Horizontal Sliders

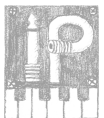


- If your mouse has horizontal scrolling capability or you have horizontal scrolling enabled on your touchpad, you can use WheelWork to operate the few horizontal sliders that exist on Reason devices. Since knobs are only affected by vertical movements of the mouse wheel (and only when in Knob Mode, of course), it's not necessary for WheelWork to be in Slider Mode to operate horizontal sliders. The program just needs to be running and not in Suspend Mode.

Button Lock Mode



- When you want to focus your adjustments on a single control, such as when recording automation or performing live, Button Lock Mode is a handy feature. When WheelWork is operating in Button Lock Mode, scrolling the mouse wheel upward (just a little bump is all that's needed) acts to lock the left mouse button down. Then you can move the cursor up and down to adjust whatever slider or knob you were pointing at, just as if you were holding down the left button. Of course this means that [Shift] operates normally in this mode to reduce sensitivity, and moving the mouse left and right will adjust horizontal sliders. Once you're done with your control adjustments, bumping the mouse wheel downward unlocks the button and you can move the pointer onward to its next target. You can also unlock the button with a regular left click. Note that changing operating modes while the button is locked will also cause it to unlock.
 - To enter Button Lock Mode, double tap the configured Trigger Key. If notifications are enabled, the change will be confirmed with a balloon tip or popup. Also, the system tray icon will change to the unlocked padlock version when entering Button Lock Mode and back to either the standard (Knob Mode) icon or Slider Mode icon when exiting it.
- If you have a mouse with a middle button or a touchpad that's capable of middle button clicks (it probably is - see the "Using WheelWork with a Touchpad" section), you can also enable an option called Middle Click Button Locking, which lets you use the middle button to lock and unlock the left mouse button. With this option enabled, scrolling still works to move knobs and sliders, giving you access to both methods of operation without the need to switch in and out of Button Lock Mode. When this option is enabled, the standard Button Lock Mode and its Trigger Key shortcut are disabled.



- Remember that you can also unlock the locked button with a left click. This is extremely useful when working with a touchpad, as you can lock the button with a middle click and then just use a normal click, which is a simpler movement, to release it.
- Since the middle button has no other functionality in Reason, Middle Click Button Locking even works when WheelWork is in Suspend Mode.
- Changes in the button lock state are reflected in WheelWork’s system tray icon.
 - If your taskbar isn’t hidden, you’ll see an unlocked padlock on top of the primary icon when in Button Lock Mode with the mouse button released, and a locked padlock icon overlay when the left button is locked down.
 - With Middle Click Button Locking enabled, the system tray icon will only display a padlock overlay when the left button is locked down. Otherwise, it will indicate whether the program is in Knob Mode or Slider Mode.

Suspend Mode



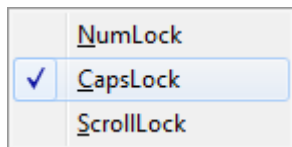
- Sometimes, you may want the mouse wheel or the Trigger Key to behave normally within the Reason program. For example, you might need to scroll around in the sequencer or the rack, or perhaps you’re entering names for your blocks and discover that [Caps Lock] is on and you want to toggle it off. Suspend mode allows you to temporarily use your mouse wheel and Trigger Key for their standard functions as if WheelWork were no longer running (with the exception of Middle Click Button Locking as noted earlier).

TRIGGER KEY

- Although WheelWork’s options and modes are accessible from the menu on the program’s system tray icon, this isn’t a very convenient way to switch between modes when you’re focused on your workflow in Reason. WheelWork provides a much quicker route to changing modes through the use of a user selectable “Trigger Key”.

Selecting the Trigger Key

- WheelWork can be configured to use either the [Caps Lock], [Scroll Lock], or [Num Lock] key to switch between various modes. The simplest way to do this is by right-clicking the program’s system tray icon and opening the “Switch Modes with” submenu, from which you can choose one of the 3 options, as well as view which is currently selected. If you find



after using the program for a while that you don't like the default setting, which uses the [Caps Lock] key, you can change the Trigger Key that's selected when WheelWork starts by adding a parameter to the program's launch shortcut. See the "Command Line Options" section of this document for further details.

Selecting Modes Using the Trigger Key

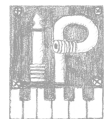
- When using WheelWork with Reason, the most common mode change is to switch between Knob Mode and Slider Mode, since most of the time you'll be working with one or the other of these controls. For this reason, switching between these 2 modes has the simplest shortcut: all you need to do is tap the Trigger Key and WheelWork will toggle between them. If notifications are enabled, this will result in a balloon tip or momentary popup dialog as confirmation of the change. The icon in the system tray will also change to indicate which mode you're in, though this will of course only be visible if you don't have your taskbar hidden.
- Button Lock Mode can also be quite useful. To switch in and out of Button Lock Mode, simply double-tap your chosen Trigger Key.
- To enter and exit Suspend Mode, press and hold the Trigger Key for at least half a second. Remember that when WheelWork is in Suspend Mode, the Trigger Key will perform its normal Windows function when pressed momentarily in the Reason application.

PROGRAM FEEDBACK

System Tray Icon



- WheelWork's system tray icon changes to reflect its current mode and state as noted throughout this manual. If you normally keep your taskbar visible, consider customizing the system tray settings so the WheelWork icon will always "Show icon and notifications". Otherwise, you may want to enable one of the other program feedback methods, at least until you're comfortable with using the application.



Balloon Tips

- The default setting* for WheelWork program feedback is to show status information using balloon tips. If you normally keep your Windows taskbar hidden, using the balloon tips feedback option will cause the taskbar to slide up momentarily each time you change modes. If you find this distracting, you can either use the Popups option or disable feedback altogether.

Popups

- With this option selected, mode change notifications will be shown using momentary popup windows in the center of the display. These windows will automatically close themselves in 1 to 1.5 seconds.

No Text Notifications

- Deselecting the “Enable Feedback” option in WheelWork’s system tray menu (or changing the default setting via command line option) will prevent any balloon tips or momentary popups from being displayed when changing modes. In this case, the system tray icon changes will be your only indication of which mode you’re currently in, and only if the icon is visible based on your taskbar and system tray settings.

USING WHEELWORK WITH TOUCHPADS

- If you have a laptop, you may find that the scrolling capability of your touchpad does not cause Reason’s knobs to turn and sliders to slide even though WheelWork is running on your machine. This is due to the fact that typical touchpads these days use a driver-based method for scrolling that does not emulate the wheel up and down commands that most mice send. However, this problem can be solved using a third party freeware application called TwoFingerScroll[†], which can convert multi-finger touchpad gestures into scroll wheel commands.

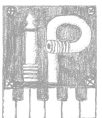
TwoFingerScroll



- Selecting the Correct Scrolling Mode
 - In order for TwoFingerScroll to emulate mouse wheel clicks, you should select the “Compatible” setting under the “Scrolling” tab in TwoFingerScroll’s settings dialog. You can bring up the settings dialog by

* Again, keep in mind that defaults can be changed using command line options.

[†] Available for download [here \(v1.06\)](#) and [here \(v1.09 mod\)](#)



double-clicking the TwoFingerScroll icon in the Windows system tray. WheelWork has been tested to work with v1.06 and the v1.09 MacHater Mod and may work with other versions.

- Middle and Right Button Options
 - TwoFingerScroll also provides several excellent features to make it easy to right-click and middle-click using the touchpad surface rather than its built-in buttons, which is why The Instrument Panel highly recommends using it on any laptop - even one without Reason installed. For example, you can configure the program settings so that holding one finger on the touchpad surface and then tapping another functions as a right-click.

Getting Along with Your Existing Touchpad Driver

- If you have a newer touchpad and/or driver, the driver may already support multi-finger gestures for its own features, such as swiping left or right with 2 fingers to move to the previous and next pages when using a web browser. You may need to disable some of these features in the touchpad configuration in order for your existing driver to get along with TwoFingerScroll. You will find these settings in the Control Panel under the “Hardware and Sound” heading (or by searching for “Mouse”).

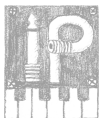
Driver-Based Scroll Regions

- One feature that’s fairly common in modern touchpads allows you to specify that the rightmost and bottommost portions of the touchpad surface should allow scrolling when you drag your finger in those regions. Since this typically uses a different form of emulation than simulating mouse wheel up and down commands, you can usually use this feature along with WheelWork. When configured this way the two finger scrolling gestures can be used to operate knobs and sliders in Reason, while the scrolling areas of the touchpad surface serve to scroll around the rack and/or sequencer. This trick can improve your efficiency, as it eliminates the need to put WheelWork in Suspend Mode in order to scroll around within your project.

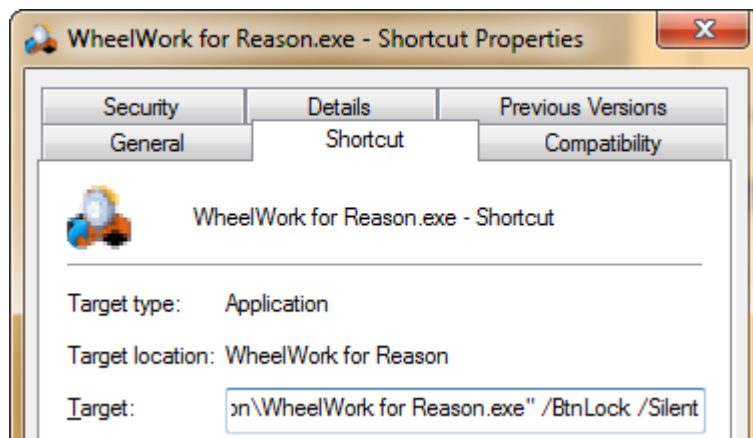
COMMAND LINE OPTIONS

Where to Specify Command Line Options

- If you want to change the default settings that are in effect when you start WheelWork for Reason, you’ll need to create a shortcut to the application



rather than just running the executable file directly. Then you can add any option parameters after the program path in the shortcut as shown below:



Trigger Key Selection

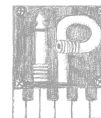
- /Num
- /Caps
- /Scroll

Starting Mode

- /Slider
 - Start in Slider mode instead of knob mode.
- /Suspend
 - Start in suspended mode so trigger key and mouse wheel behave normally in Reason until suspend is released.
- Note: Both of these modes may be used together.

Button Lock Operation

- /Middle
 - Use the middle button (or touchpad equivalent) to lock and unlock the left button.
 - Note: If this option is enabled, subsequent /BtnLock parameters will be ignored. In runtime, it's not possible to engage Button Lock mode when the Middle Button option is enabled.
- /BtnLock



- Start in Button Lock mode (must be specified after /Slider option or Slider mode will disengage Button Lock).
 - Note: This switch will be ignored if the /Middle option has already been specified or canceled if /Middle is specified later, as they are mutually exclusive.

Feedback

- /Silent
 - Prevent all balloon tips and message boxes related to switching of program modes. Keystroke actions still apply and are reflected in the WheelWork system tray icon and menu.
- /Popups
 - Display mode change messages using momentary popups instead of the default balloon tips.

Sensitivity

- /Sens=#
 - Change default sensitivity for knob controls; affects both normal operation and when [Shift] is held down. Default setting is 5. # represents the desired value and can be more than one digit (though this might be excessive). Setting this value too small may cause some knobs not to respond.
 - Note: the equals sign may be any character, such as a colon.
- /VSens=#
 - Change default sensitivity for vertical sliders. Works the same as the /Sens option otherwise. Default value is 3.
- /HSens=#
 - Same as VSens, but affects horizontal sensitivity if your mouse/touchpad supports horizontal scrolling.

TROUBLESHOOTING

The Trigger Key isn't working to change modes.

- Remember that WheelWork only functions when the main Reason window is active. Be sure it has focus and then the Trigger Key should function for mode switching. Otherwise it will behave normally (if your keyboard has lights to



indicate the status of your selected Trigger Key, you should see the indicator toggling on and off when you press the key).

Balloon Tips aren't being displayed when I press the Trigger Key to change modes.

- Most likely your system tray customization settings are set to “Hide icon and notifications” for the WheelWork icon. Notifications must be enabled for the Balloon Tips to be displayed. Click the upward-facing arrow to the left of the system tray and select “Customize...” to modify these settings.

CREDITS

- WheelWork for Reason was written by Todd Corson, and is distributed by The Instrument Panel.
- Do you have comments or questions about WheelWork? You can post them at <http://theinstrumentpanel.com/wheelwork/>.

