

A BRIEF USER'S GUIDE FOR GRAPHICAL PROGRAMMING OF THE KINESIS® SAVANT ELITE2™



This document is intended to help you use the SE2 SmartSet™ App to program a Savant Elite2™ USB foot pedal in either Windows® or Mac OS X®. Refer to the full Savant Elite2 User's Manual at <http://www.kinesis.com/savant-elite2-resources> for help programming in other operating systems and for additional details on the capabilities, use, and maintenance of your device.

Overview

Your Savant Elite2 (SE2) device uses a simple text file (pedals.txt) saved to its onboard memory to execute custom keyboard or mouse actions with the press of a pedal or hand trigger. The SE2 SmartSet App is a “no-install” graphical application (“app”) designed to facilitate custom programming of your SE2 by eliminating the need to directly edit the underlying text file.

The SE2 SmartSet App is preloaded onto your SE2 device on its virtual drive (v-drive™) named “KINESIS FP.” The v-drive is only visible on your computer when your SE2 device has been placed into Program Mode. Program Mode is accessed by sliding the recessed switch on the underside of your SE2 device to “program mode”, or by depressing a pedal briefly while plugging in the device.

Once you enter program mode, KINESIS FP will appear on your computer after a brief delay. For your convenience both Mac and Windows versions of the SE2 SmartSet App have been preloaded onto the v-drive. No installation required, just double click to run the appropriate Mac or Windows App. The pedals.txt file is in the “active” folder and is automatically accessed by the App when it is run from the v-drive. When you save your edits using the App, the updated pedals.txt is automatically saved in the active folder. Sliding the switch on your Savant Elite2 device to “play mode” or re-plugging the unit will close the v-drive and enable any new actions in the pedals.txt file.

Operating systems supported

The PC version of the SE2 SmartSet App is compatible with Windows versions XP, 7, 8, and 10. The Mac version is compatible with OS X, version 10.6 or more recent. Check the Kinesis.com support page (see link above) for the latest version of the SE2 SmartSet App and related resources.

Figure 1. SE2 SmartSet App opening screen

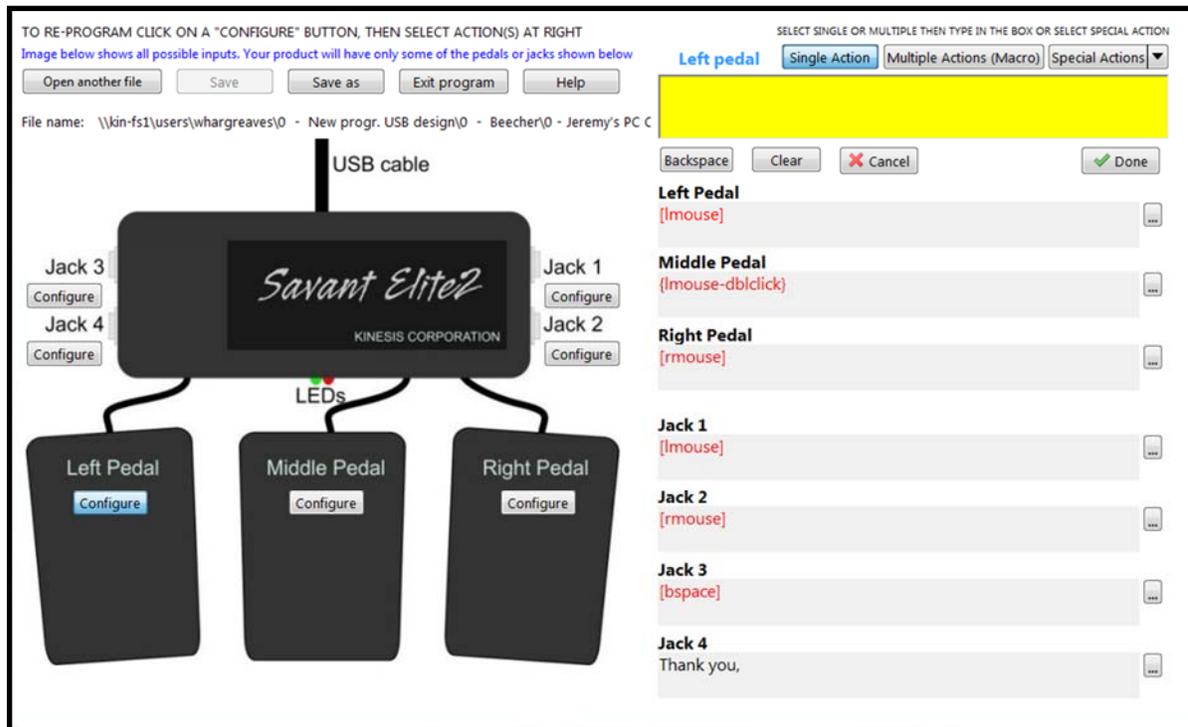


Language note: the SE2 SmartSet App currently must be used with the U.S. keyboard layout (Windows users go to “keyboard” in Control Panel/Region & Language; Mac users go to “input source” in System Preferences/Keyboard).

Configure a pedal

1. If you want to preserve the previous actions, you should first copy the original pedals.txt file to a different location or use “Save as” in the App before making any changes.
2. Click on any “configure” box to select an input to program. In Figure 2 below, the Left Pedal “configure” box has been clicked and its “Configure” button is highlighted. The “edit box” on the right turns yellow with the selected input (Left pedal) shown in blue.

Figure 2. Configuring left pedal for a single action



3. Click the button for “Single Action” or “Multiple Actions (Macro)” and type what you want the pedal to produce, or use your mouse to select a special action from the drop down menu.

Note: Single Actions appear inside square brackets [] (red [] for named keys like [tab]). In **Macros**, named keys and special actions appear in red inside red curly brackets { }. To edit your entry, use the “Backspace” button, not the backspace key on your keyboard, or click “Clear” to start over.

4. In Figure 3, the “tab” key has been tapped on your keyboard to replace the left mouse action.
5. Click the “Done” button to accept the changes. The action(s) will appear in the appropriate gray box below. In this example, the Left Pedal gray box will then show [tab] instead of [Imouse].
6. Click the “Save” button to save the edits to your pedals.txt configuration file.
7. Close the v-drive or re-plug the device to implement your changes. To close the v-drive, move the programming slide switch back to play mode.

Figure 3. Re-configure left pedal to perform “tab”

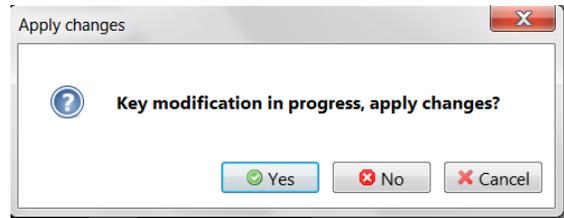


Note: If you start to configure a pedal and click another “configure box” before you have clicked “done,” you will get the message shown in Figure 4.

If you click “yes,” any changes you have entered will be applied to the current pedal or jack — if the yellow box is empty, “yes” will erase what is previously saved for that box before making the next pedal or jack active for editing.

If you click no, pending changes will not be applied before making the next pedal or jack active. “Cancel” will keep the current pedal or jack the focus of the yellow “edit box.”

Figure 4. Changing configuration prematurely



Using the “Special Actions” menu

For convenience a number of popular keyboard shortcuts have been pre-defined. Special actions also include commands that cannot be typed with a keyboard into the configuration editor (e.g. “mute”). To browse the special actions, simply click the Special Actions button for a drop down menu. Special actions can be used on their own or in conjunction with other actions as part of a larger multiple-action macro. See Table 1 (next page) for a full list of special actions for both Mac and Windows. Explanations for many of the special actions are included below.

Detailed Help for Special Actions (use Special Actions drop-down menu)

Left mouse double click

The default left mouse double click action uses a 125ms delay between two mouse button actions. If this does not operate correctly on your computer, you can experiment with different delays by manually creating a double click macro with the SE2 SmartSet App. For example, you could program a left mouse click, then insert two delays of 125ms from the “Special Actions” menu. The resulting macro would look like this in the App:

`{lmouse}{d125}{d125}{lmouse}`.

Web browser forward or back

These actions are dependent on the specific browser and operating system being used. If these pre-programmed macros don’t work, you will need to experiment with what key commands are needed and then create your own macro.

Alt+Tab and Cmd+Tab

Switching screens with a Alt (Windows) or Cmd (OS X) plus Tab is often useful. However, the user normally does this by holding the Alt or Cmd key and repeatedly pressing and releasing the Tab key. When the SE2 special action for Alt+Tab or Cmd+Tab is used on a pedal, it can only alternate between two screens.

Activate Windows key (Program a Win key combination in Windows version of App)

If you want to combine a Windows key action with another key (such as “Win + m” to minimize all windows), use the “Activate Windows key” action from the drop down menu. This is a special case where you select the this action, then type the key you want to combine it with. The resulting combination in the edit box will look like this: `{win+m}`.

Slow or fast output

If you program a macro and it seems to play too fast or too slow, you can insert a “Slow Output” or “Fast Output” command at the beginning or anywhere within its contents. You can also subsequently insert a “Default Output” or different output speed command. The exact output speed with “fast” and “slow” may depend on your firmware version. If you need precise control over output speed, see the User’s Manual for details on manually editing the pedals.txt file.

Table 1 Special Actions menus

Windows menu

MOUSE ACTIONS Left Mouse Click Left Mouse Double Click Middle Mouse Click Right Mouse Click
EDITING TOOLS Cut (Ctrl + x) Copy (Ctrl + c) Paste (Ctrl + v) Select All (Ctrl + a) Undo (Ctrl + z)
MEDIA CONTROLS Mute Volume Up Volume Down Play/Pause Previous Track Next Track
COMMONLY USED SHORTCUTS Web Browser Forward (Alt + right) Web Browser Back (Alt + left) Alt + Tab Ctrl + Alt + Delete Calculator Windows Combination (Win + _)
PEDAL RESPONSE Slow Output (speed1) Default Output (speed3) Fast Output (speed5) Short Delay (125ms) Long Delay (500ms) Different Press & Release

Mac menu

MOUSE ACTIONS Left Mouse Click Left Mouse Double Click Middle Mouse Click Right Mouse Click
EDITING TOOLS Cut (Cmd + x) Copy (Cmd + c) Paste (Cmd + v) Select All (Cmd + a) Undo (Cmd + z)
MEDIA CONTROLS Mute Volume Up Volume Down Play/Pause Previous Track Next Track
COMMONLY USED SHORTCUTS Web Browser Forward Web Browser Back Cmd + Tab Snip to File Snip to Clipboard Force Quit
PEDAL RESPONSE Slow Output (speed1) Default Output (speed3) Fast Output (speed5) Short Delay (125ms) Long Delay (500ms) Different Press & Release

For example, if you need to perform the macro “Alt = Enter” to autosum a column of numbers in a spreadsheet, you might need the “slow output” feature which will appear as `{speed1}{alt}={enter}`. However, delays (see below) may work better in some environments than “slow output.”

Delays (125ms, 500ms)

Sometimes delays work better than the “slow output” feature. In the example above for summing a column of numbers in a spreadsheet, a macro for “Alt = Enter” might work better for a particular OS or spreadsheet version if it were constructed like this, with a 125ms delay before the “enter” command: `{alt}={d125}{enter}`.

Different press and release (macros)

This feature is useful if you want to be able to press and hold the pedal and not have the entire programmed macro play until you release the pedal. This happens by default for a single key action, but a macro normally plays to completion as soon as a pedal is pressed.

For example, to play F11 when a pedal is pressed and F12 when it is released:

1. First click the pedal or jack you wish to program.
2. Then click the “Multiple Actions (Macro)” button.
3. Type the F11 key to produce `{F11}` in the yellow box.
4. From “Special Actions” select at the bottom, “Different Press & Release” to insert: `{{ }}`.
5. Then type the F12 key, which adds `{F12}` after the `{{ }}` token.
6. Click “Done” and `{F11}{{ }}{F12}` will be saved for the appropriate pedal or jack.
7. When you are done programming, click “Save” and exit from Programming Mode to implement your changes.

IMPORTANT TECHNICAL NOTES

Macros with modifiers in OS X

Mac OS X does not allow a modifier on one device (e.g. SE2 pedal) to modify a key on a different device (e.g. your keyboard). Therefore for OS X it is not generally useful to program pedals as modifiers (Shift, Alt/option, Cmd, Control).

Running SE2 SmartSet App from other locations on your computer

If you run the SE2 Smartset App on the v-drive by double clicking, it will automatically load the current pedals.txt file from the active folder. The app will automatically save to the active folder when you click “save,” and will implement your changes when the v-drive is closed. However, you can also run the App from any location on a tablet or computer using the “open another file” button to browse to the pedals.txt file you want to edit. However, any changes you make will not take effect until you copy the edited pedals.txt file to the active folder and then close the v-drive.

Pedals.txt must be in the “Active” folder

Only a simple text file named pedals.txt, located in the Active folder, can serve as the configuration file for your device. Other small text files with different names may be placed in that folder and will not affect the operation of your device. In fact, it is a good idea to make copies of any edited files, saving them with different names. These can be stored inside or outside the active folder or on your computer’s disk drive.

Mouse button and special actions do not work in Programming Mode

In Programming Mode (when the v-drive is visible), the pedal will operate with its previously programmed keyboard actions but mouse buttons and other special actions (volume controls, play/pause, shutdown) are temporarily disabled. Newly-programmed actions are not active until pedals.txt is saved into the Active folder and the v-drive is closed by sliding the switch to “Play Mode” or by power cycling (re-plugging) the device.

Auto-restore feature & backup recommendation.

If pedals.txt is not present in the “active” folder when pedal unit is plugged in, a new firmware version of pedals.txt will be recreated automatically using slightly different default values compared to the factory version of pedals.txt. You can always download the latest factory version of pedals.txt kinesis.com (see link below).

SE2 SmartSet App Updates and newer document versions

You can also check the Kinesis website for the latest versions of the SE2 User’s Manual, SE2 SmartSet App and its Help file, as well as the default pedals.txt file at <http://www.kinesis.com/savant-elite2-resources>.

Firmware updates

Pedals with 4MB v-drives (firmware newer than version 1.0.85) may have firmware updates installed by the user with the onboard bootloader. See the Kinesis.com link above for details.

Troubleshooting

If you program an action which doesn’t work, check the pedals.txt file using a text editor to be sure the following text representing each of the seven potential inputs is present in the pedals.txt file:

[lpedal]>
[mpedal]>
[rpedal]>
[jack1]>
[jack2]>
[jack3]>
[jack4]>

If the provided pedal.txt file is used (with basic instructions and examples provided), the actions of the seven inputs are defined in the “Assigned Actions” section, which is located between the horizontal ***** lines near the top of the pedals.txt document.

If you have deleted any of these positions, the SE2 SmartSet App will not successfully configure the deleted position(s).

TECHNICAL SUPPORT

Contact Kinesis Technical Support by email (tech@kinesis.com) or by phone (USA 425-402-8100). Staff is on hand 8:00 to 11:30am & 12:30 to 4:30pm Pacific time, M-F. Please be prepared to provide the serial number of your SE2 device, your purchase date and where you purchased the unit, the computer model, as well as the details of your question or problem.

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