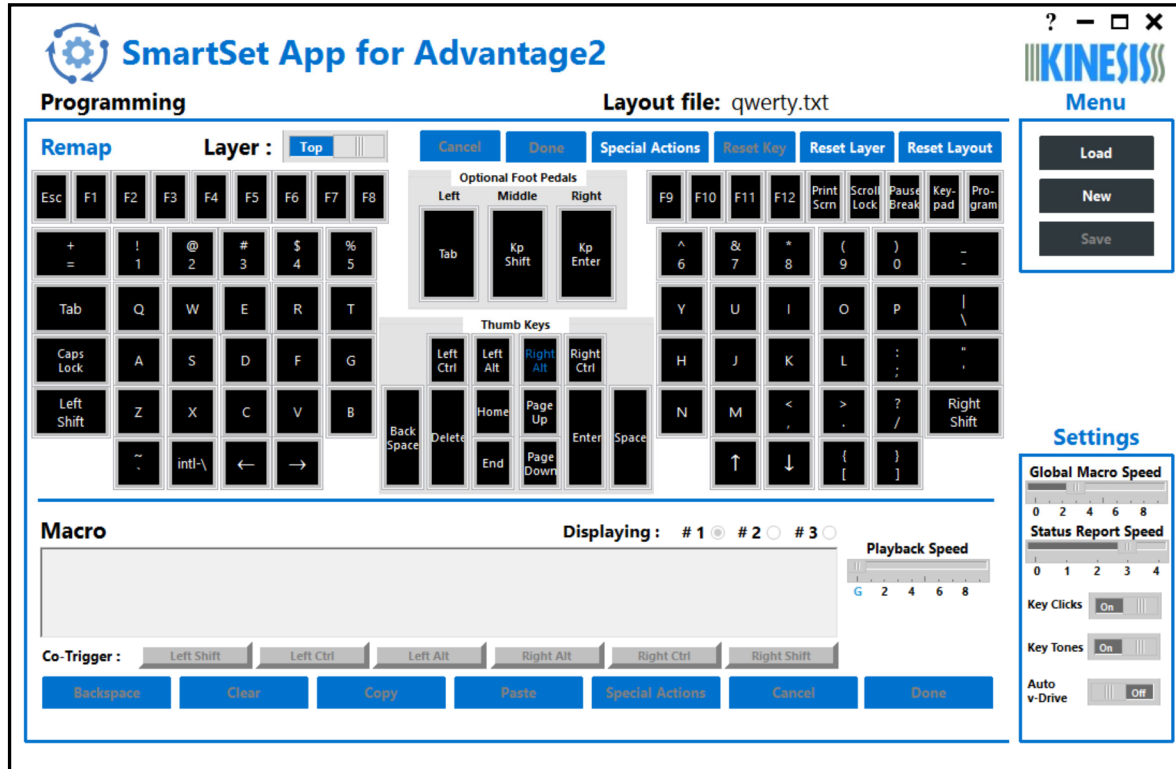


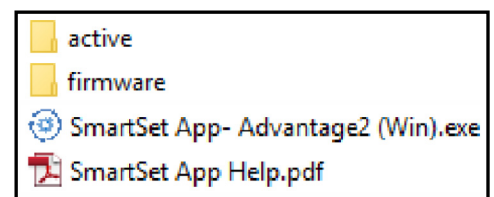
SmartSet™ App User Manual — Version 1.0.1 for Windows



Launching the No-Install SmartSet App

The SmartSet App is a convenient graphical programming app for your Advantage2 keyboard that lets you design custom layouts, build powerful macros and customize settings of certain models. If you have a newer model of Advantage2, the SmartSet App may be pre-loaded on the v-Drive. If you have an older model of Advantage2, you will need to download the App and help file using the link below, then load these files onto the top level of the v-Drive.

To open your v-Drive the first time, use the onboard shortcut Program + Shift + Esc to enable Power User Mode and then Program + F1. When the v-Drive opens, your computer will now detect a “Removable Storage Device” and a pop-up may appear. On older keyboards this is named “Kinesis KB” and on newer keyboards “Advantage2.” Open Windows Explorer to locate and open the v-Drive. If the “Adv2 SmartSet App” is present, simply double-click it to launch it. *Note: The App sometimes takes 10-15 seconds to launch so only doubleclick once.*



File Explorer view of “ADVANTAGE2
v-Drive with SmartSet App loaded

If the App is not present, open the link below in your web browser and follow the instructions to download the App and the associated help file and load them onto the v-Drive: <http://kinesis.com/advantage2-resources>.

Active Layout

When you run the SmartSet App, it will automatically load a graphical representation of the currently-active layout (see above). The graphical layout shows all assigned key actions in both layers (including the optional Advantage Foot Pedal), including any custom remaps and macros. To view or edit a different layout, use the “Load” button at right and select the layout .txt file from the active subfolder on the v-Drive.

Remap

Layer :

Top

Cancel

Done

Special Actions

Reset Key

Reset Layer

Reset Layout

Remapping Keys

You may “remap” (aka reassign or rebind) any supported key action to any of the keys on the Advantage2, except for the dedicated “Keypad” and “Program” keys.

Designating the Active Key: Select the physical key you wish to reprogram by clicking the diagram to designate it as the Active Key. The Active Key will be highlighted to indicate that it is currently designated for remapping and/or macros. Then type the key you would like to assign to that position on the keyboard. Remapped keys are displayed with blue legends. In the example to the right, Caps Lock is remapped as Left Ctrl.



Caps Lock selected as active key (left).
It is then remapped as LCtrl (right).

Navigating Layers: Each key has a top-layer (“Top”) action and a secondary keypad-layer (“Kp”) action that can be customized separately. Use the layer slide-switch in the App to move between the layers during programming, the “Keypd” key on the keyboard to change layers during use. You can also “Shift” the keypad layer on using the default action of an Advantage single or middle foot pedal. “Keypad Shift” keeps the keypad layer on until the pedal is released.

Layer :

Kp

Special Actions: If you wish to assign a Special Action that isn’t found on the Advantage2 by default, click the “Special Actions” button and select from the drop-down menus of supported actions. For example, any remappable key can be programmed to “shift” or “toggle” the keypad layer or perform a mouse button action.

Cancel/Done: Once you have the desired key action, click the “Done” button to accept that Remap or click the “Cancel” button to revert back to the previously stored action. If you navigate away from the active key your last input will be stored as the new key action. *NOTE: changes will not be permanent until you save the new layout.*

Reset: If you make a mistake or want to start over, click one of the three Reset buttons (key, layer, layout). *Note: If you accidentally perform a Reset operation, exit the App without saving your changes to revert back to your original layout.*

Macro

Displaying : # 1 ● # 2 ○ # 3 ○

Playback Speed

G

2

4

6

8

Co-Trigger :

Left Shift

Left Ctrl

Left Alt

Right Alt

Right Ctrl

Right Shift

Backspace

Clear

Copy

Paste

Special Actions

Cancel

Done

Macro programming box with a key selected

Programming Macros

Trigger Key(s): To program a macro, first click on one of the full-size, non-modifier keys in the layout to act as your primary trigger key. Once you have selected a valid trigger key, the Macro Programming Region will become active (shown above). Macros can be triggered solely by the primary key or as a multi-key combination using one or more modifier keys. To designate a modifier “co-trigger” simply click one of the gray buttons. *Note: Using the Windows key as a co-trigger is not recommended.*

Macro Content: After selecting the trigger key(s), click inside the macro text box and type your macro content. The App will record every single keystroke from the keyboard so if you make a mistake, you’ll need to use the “Backspace” or “Clear” buttons in the App to edit. Basic alphanumeric characters are displayed in black text whereas “key actions” are displayed as red text inside of curly brackets as “tokens”. Once you are done programming your macro, click “Done” to assign it to the trigger key(s) or click “Cancel” to abandon the macro. *Note: The timing of keystrokes is not recorded but you can insert delays manually using the Special Actions menu as described below.*

Special Actions within macros: With the Special Actions button you can assign a pre-programmed macro (e.g., Cut, Copy, Web Home), a custom Windows key combination or a mouse double-click. You can also insert brief delays into a macro to improve playback performance or timing. Delays are available in 125 and 500 millisecond increments and they can be sequenced to achieve delays of various durations.

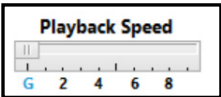
Multiple Macros per Key: If you wish to assign a 2nd or even 3rd macro to the same primary trigger key (e.g., Right Ctrl+Capslock, Right Shift+Capslock, and Right Alt+Capslock), you will need to assign modifier key as a co-trigger. Simply re-select that primary trigger key and then click the “#2” or “#3” radio buttons to get access a fresh macro text box. Then select a unique trigger key combination using one of the six standard modifiers as a co-trigger.



Note: The “Windows” key is not recommended as a co-trigger, as it can cause unpredictable playback or can require experimenting with delays and speed to get it to play as desired.

Copy & Paste: You can copy your favorite macros from one trigger key to another, or even between different layouts.

Individual Playback Speed: By default, all macros will playback at the keyboard’s “Global Speed” setting. The Global Speed setting can be adjusted using the onboard shortcut (SmartSet + F9, then number row) or using the “Global Macro Speed” slider under Settings (discussed below). However, to achieve optimal playback performance for each macro we recommend using the individual macro “Playback Speed” slider in the App to assign a custom playback speed specifically tailored to each macro and its intended playback environment, and not rely on the Global Speed setting.



Setting	Speed 1	Speed 2	Speed 3	Speed 4	Speed 5	Speed 6	Speed 7	Speed 8	Speed 9
Actions Per Second	4	8	12 (Default)	22	35	62	85	125	250
Words Per Minute	48	96	144	264	420	744	1,020	1,500	3,000

**Playback speeds are approximate. Exact speeds will depend on the length of the macro, your computer, and the application.*

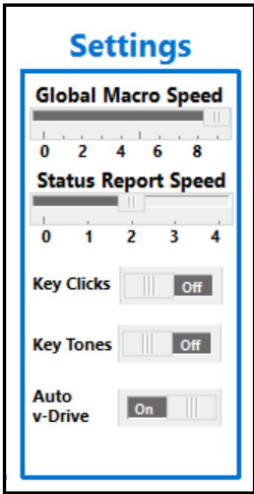
Customizing Keyboard Settings

On newer models of the Advantage2 the global Settings are editable from the SmartSet App. Older models only support viewing the settings from the App, any changes must be made “onboard”.

Global Macro Speed: Control the playback speed for all macros that don’t have an “Individual Playback Speed” assigned to them. Slide it to “9” for 3,000 WPM, down to “1” for 50 WPM, or “0” to temporarily disable all macros without deleting them from any layout.

Status Report Speed: The Status Report is a convenient utility that prints-to-the-screen the most important keyboard settings using the onboard shortcut Program + Esc. *Make sure you have a text editing program open and selected (“in focus”) before you try to run a Status Report!*

The default Status Report playback speed is “3”, but some computers may require a slower speed for proper playback. Slide it to “0” to deactivate the Status Report.



Key Clicks: Enable/Disable the standard electronic “click” for each key.

Key Tones: Enable/Disable the electronic warning “tone” for Caps Lock and the Keypad Key.

Auto v-Drive: The v-Drive will always be open but multimedia and mouse actions will be disabled.

Saving and Implementing Changes

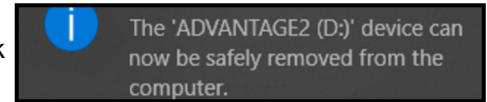
Load: Use the Load button to load any existing layout file from the v-Drive to the App for customization. Note: The layout is not loaded as the “active” layout to the keyboard.



New: To create a new layout, click New and select from a base QWERTY or Dvorak layout.

Save: Before exiting the App, it is necessary to Save your changes.

Ejecting the v-Drive: After exiting the App, locate the v-drive in your file manager and right-click it to perform the Windows eject operation. In Windows 10, you should see the message to the right. If you receive a message that “ADVANTAGE2 (D:) is current in use,” check that the App is closed and no v-Drive files are open. Click on the top level folder of the v-Drive and try again to eject.



Closing the V-Drive and Implementing Changes: Once you receive the “device can now be safely removed” notice, use the onboard shortcut Program + F1 to close the v-Drive. This will implement your changes if you were editing the active layout.

Support, Troubleshooting Tips, & FAQs

Since you are reading this, you found the in-app help menu or downloaded a copy from the Kinesis Advantage2 SmartSet App support page. Below are tips for accessing and operating the Advantage2 SmartSet App:



In-App Help Menu

- Visit www.Kinesis.com/Support for Troubleshooting Tips, FAQs, instructional videos, user manuals, or to download the latest version of the SmartSet App and this “App Help” file.
- System Requirements: Windows 7-10. Minimum display resolution of 1152x864. Note: *App may not display properly on ultra high-definition monitors.*
- For best results, keep the v-Drive closed when not using the SmartSet App and refrain from using onboard shortcuts while the v-Drive is open. Multimedia and mouse actions are disabled while the v-Drive is open.
- Do not delete or modify the folders on the v-Drive. Doing so could compromise the ability of the SmartSet App to identify and save layouts and keyboard settings.
- If the App fails to launch, try re-plugging the keyboard. If that doesn't work, try deleting the App and downloading a new copy from the Kinesis website support page, then copy it to the v-Drive. If necessary, perform a Hard Reset (backup any custom layout files first) by holding the Program key and F9 while plugging the keyboard in to your computer.
- The App must be saved to and run from the keyboard's v-Drive. It cannot be installed on your Windows PC or run from your desktop.
- V-Drive Troubleshooting: The SmartSet App reads and writes to the “simple text” files on the v-Drive, so if they are moved, damaged, renamed or otherwise modified, it can cause the App to malfunction. The older 2 MB v-Drives are more vulnerable to file corruption so it is especially important with these to always use “eject” before closing the drive if any files have been edited.
- In the event of v-Drive failure or file corruption where a Hard Reset doesn't work, a “Rescue” command, Progm+F12 on plug-in, is likely to help. It starts up (“enumerates”) the keyboard without trying to read the v-Drive. After the v-Drive is open, right click in file manager and select Properties, Tools, Error Checking to run a drive check & repair of the v-Drive.
- If you think the v-Drive needs to be reformatted, see the full Advantage2 User's Manual.
- To contact Kinesis tech support, please submit a ticket at www.kinesis.com/support/technical-support/contact-tech/.