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KINESIS KB630 Advantage2 Keyboard with SmartSet Programming Engine User Guide

QUICK START GUIDE
Kinesis Advantage2 Keyboard with the SmartSet Programming Engine
U.S. Model: KB630 & KB630LFQ (with selective memory locking: no macros or v-drive)

Your Advantage2TM keyboard combines Kinesis' time-tested ContouredTM design with low-force tactile "brown" or linear "quiet red" Cherry mechanical key switches and the powerful new SmartSetTM Programming EngineTM. Advantage2 sets a new standard for comfort and productivity. With the Fig 1. KB600 driverless SmartSet Programming Engine, you can quickly selective Windows or Mac thumb key modes, change instantly between QWERTY & Dvorak layouts, and remap keys to build custom layouts.

Fig 1. KB600

No special software or drivers are needed. The Advantage2 is plug-and-play with all operating systems that support full-featured USB keyboards.*

This Quick Start Guide covers the installation and basic setup of Advantage2. For detailed instructions on customizing your Advantage2, Advanced Features, and Warranty Information please download the full User's Manual at: **kinesis.com/resources/advantage2**.

Contents

Installation

1. Plug Advantage2 into your computer's USB port. A device installation notice will appear on your screen.

2. When the auto-installation is completed, you should see a "device is ready to use" notice on your screen.

3. For maximum comfort, install the self-adhesive palm pads onto the keyboard's integrated palm rests.

4. OPTIONAL: If you are connecting an Advantage foot pedal (FS007RJ11, FS007TAF) to the keyboard, plug it into the telephone-style connector at the back of the keyboard using the coupler provided with the pedal.

Important Note

The SmartSet Programming Engine provides powerful tools for customizing the keyboard's layout and settings. Because of the risk of inadvertent reprogramming, Kinesis recommends that ALL USERS read this Quick Start Guide before using the keyboard. Even users familiar with the original Advantage keyboard are advised to read

this guide since some programming commands have changed and new commands have been added.
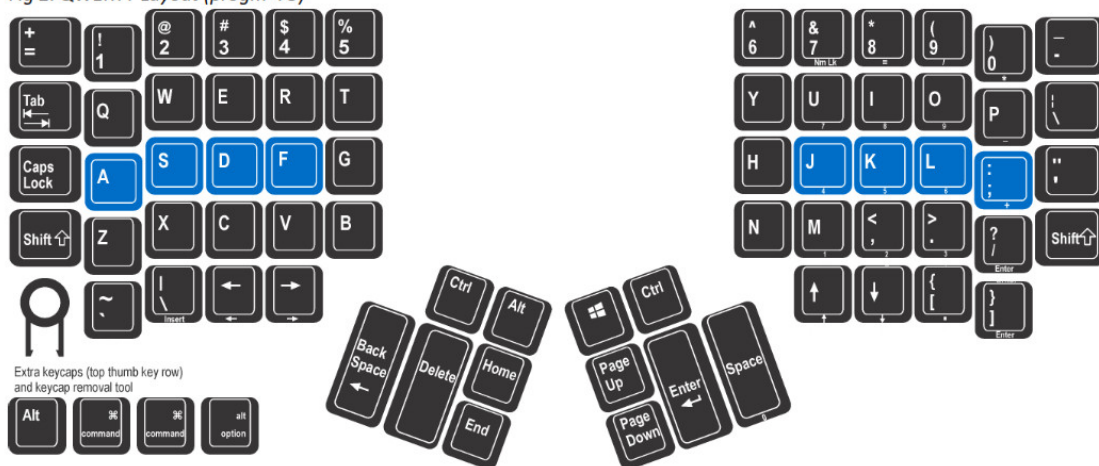
Warning

The Advantage2 keyboard is not a medical treatment. Please consult the User's Manual for basic Safety & Health Tips.

*Certain KVM and specialized telephony devices do not support programmable keyboards like the Advantage2. If you experience compatibility problems please visit the Advantage2 Resources page (link above) or submit a ticket to Kinesis Technical Support (page 4).

Default layout: QWERTY (U.S. keyboard qwerty driver)

All Advantage2 keyboards come pre-configured from the factory with the familiar QWERTY layout, but creating custom QWERTY Layouts is easy with the simple Onboard Programming Tools (see next page).

Fig 2. QWERTY Layout (progm+F3)

Extra keycaps (top thumb key row) and keycap removal tool

Alternate Layout: Dvorak (onboard)

Every Advantage2 also comes preloaded with a customizable onboard Dvorak layout. Dvorak typists can elect to purchase the KB600QD keyboard which comes with dual-legend QWERTY-Dvorak keycaps installed, or they can upgrade any Advantage2 keyboard by purchasing a set of QWERTY-Dvorak (KC020DU-blk) or Dvorak-only keycaps (KC020DV-blk) to install themselves.

Fig 3. Dvorak Layout (progm+F4)

Thumb Key Modes: Windows, Mac, or PC

Users may configure the modifier keys in the thumb-operated clusters in one of three modes (see next page). These modes are optimized for Windows users, Mac users, and for PC users who don't need a Windows key. Thumb Key Mode is set independently from layout (QWERTY or Dvorak) and can now be different for each layout. Thumb Key Mode defaults to the Windows configuration for the US model. Extra keycaps and a keycap tool are included.

Fig 4. Windows Mode: progm+F4   Fig 5. Mac Mode: progm+F5   Fig 6. PC Mode: progm+F6

SmartSet Programming Engine

Many users will want to move ("remap") one or more key actions. There are also a number of unique features (e.g. "Status Report") and settings (e.g. key clicks, toggle tones) that can be adjusted. SmartSet Onboard Programming allows you to easily accomplish this.

SmartSet Onboard Programming Tools

To access the SmartSet Onboard Programming Tools, press and hold the Program Key (legend "program"), then press the appropriate key in the Function Key row. One or more LEDs will flash to indicate the programming command was successful. Continuous LED flashing indicates that further actions are necessary to complete the programming command (e.g., for macros and remaps). To exit any active "Program Mode" simply tap the Program Key.

Fig 7. Function key row (Cherry low-force mechanical key switches with tactile ridges)

*kpshift must be remapped to both layers to perform a keypad shift action, in which keypad stays on while key is pressed

Note: Actions legend in lower case require only the Program Key to activate, whereas actions legend in CAPS require the Program Key plus Shift Key to activate.

SmartSet Function Key Actions

- status (progm+esc): Prints detailed configuration Status Report to the screen. References to Macros are not relevant to this model.

  Important note: The keyboard cursor must be in an active text editing screen before running Status Report!
- qwert (progm+F3): Enables the QWERTY Layout, with any customizations.
- dvork (progm+F4): Enables the Dvorak Layout, with any customizations.
- mac (progm+F5): Enables Mac Thumb Key Mode (Fig 5). Also activates the Mac "keypad =" key action in the embedded numeric keypad and converts Scroll Lock to "shut down" action. CAUTION: On a PC, "shutdown" will initiate an immediate shutdown!
- pc (progm+F6): Enables PC Thumb Key Mode (Fig 6).
- win (progm+F7): Enables the default Windows Thumb Key Mode (Fig 4).
- click (progm+F8): Turns off/on the default Electronic Key Click feature. This is designed to help you avoid "bottoming out" the key.
- TONE (progm+Shift+F8): Turns off/on the Electronic Tone to alert users that keys for special "toggle" actions (Caps lock, Num lock, Scroll lock, Insert, Keypad) have been hit. Two tones (double beep) indicate the feature is "turned on" and one tone means "turned off."

```
Model> Advantage2
Firmware> 1.0.431.us (4MB), 11/14/2017
Active layout file> qwerty.txt
Thumb keys mode> win
Macro play speed> off=0, slow=1, normal=3, fast=9> 3
Status report play speed> off=0, slow=1, normal=3,
fast=4> 3
Keyclick status> on
Toggle tone status> on
Stored macros> 0
Keys remapped> 0
```

- RESET (progm+Shift+F9): Performs a Soft Reset which erases any key remapping, macros, and non-default thumb key mode setting for the active layout. It does not reset macro speed, click, or tone settings. To perform a Hard Reset which erases all non-default settings in both QWERTY and Dvorak layouts, hold progm+F9 until LEDs start flashing while plugging in the keyboard.
- macro speed: This feature is completely disabled on the KB630 model with selective memory locking.
- progm macro (progm+F11): This feature is completely disabled on the KB630 model with selective memory locking.
- progm remap (progm+F12): Enter Program Remap Mode. Step 1: select the source key/action. LEDs will flash fast prompting selection of the source key. Step 2: Select the destination key (LEDs flash slowly awaiting selection of the destination key).

  Note: Program Remap Mode remains active and will continue to accept key remapping "pairs" until exiting Remap mode by tapping the Program Key. In Program Remap Mode the keyboard layout temporarily reverts to the default QWERTY or Dvorak layout (whichever is active) when selecting source actions.

Print Screen, Scroll Lock & Pause Break

These keys perform standard keyboard functions which will depend on your Operating System and the application.
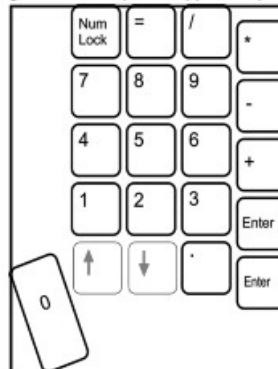
Multimedia Keys

The multimedia keys reside in the keypad layer and perform Mute Volume Down, and Volume Up.

Fig 9. Volume keys in keypad Layer

Fig 10. 10-Key in Keypad Layer

Keypad Key & Keypad layer

The Keypad Key toggles on a second virtual keyboard layer (the "keypad layer") which can be remapped separately from the top layer. The keypad layer contains default multimedia and 10-key actions (Figs 9 & 10). Default keypad actions that differ from the top layer are legend on the front of the main keys and in blue on the function keys. The Keypad action can be remapped to another key (see Fig 7 for remapping "keypad shift" and User's Manual for remapping "keypad toggle"). PC Note: Num Lock must be on for numeric 10-Key actions to be produced.

Remapping to or from the Keypad Layer
You may remap keys from Keypad Layer to the Top Layer and vice versa. Simply tap the Keypad Key before or during the remap process to move between the two keyboard layers. For example, to remap from the Keypad Layer to the Top Layer, press the Keypad Key to enter the Keypad Layer, enter Remap Mode, tap the source action key, press the Keypad Key (keypad) to enter the Top Layer, and then tap the destination key.
An optional foot pedal to access the keypad layer
Frequent Keypad Layer users will benefit from an Advantage foot pedal (purchased separately, see Fig 12) which can be used to temporarily "shift" the Keypad Layer on by pressing and holding the pedal. The pedal can also be re-programmed (see below).
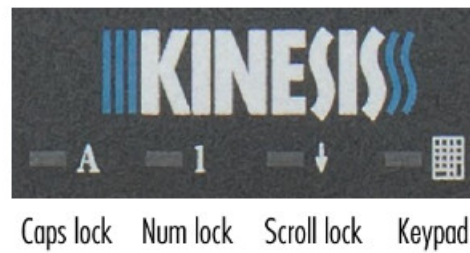
Palm pads and integrated palm rest

The palm rests are designed to provide comfortable support for your hands while not actively typing, though many users do rest their palms while typing to relieve strain on the neck and shoulders. For maximum typing speed hold your palms slightly above the palm rests. Do not expect to reach all of the keys while resting palms on the palm rest. For maximum comfort, install the self-adhesive palm pads. Replacement pads are available for purchase.

LED Indicator Lights

The blue LEDs located near the center of the keyboard indicate the status of the keyboard. The LEDs will illuminate when each of the four basic modes is active (see Fig 11). These LEDs also flash during SmartSet programming actions (slow or fast) to indicate the keyboard's temporary programming status.

Fig 11. Keyboard LEDs

Caps lock   Num lock   Scroll lock   Keypad

Connecting an optional foot pedal (Fig 12)

Plug the foot pedal into the telephone-style (RJ11) connector at the back of the keyboard. The single foot pedal acts as a "keypad shift" — press to access the keypad layer, release to return to top level. It can also be custom-programmed just like any key.

Resources

To download the User's Manual, please visit **kinesis.com/resources/advantage2**. For further support, please submit a ticket at: **kinesis.com/support/contact-a-technician/**.

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Documents / Resources

KINESIS KB630 Advantage2 Keyboard with SmartSet Programming Engine [pdf] User Guide
KB630, KB630LFQ, Advantage2 Keyboard with SmartSet Programming Engine

References

- 🌐 **431.us is for sale - Alter**
- 🌐 **Kinesis Ergonomic Keyboards, Mice and Input Solutions**
- 🌐 **Advantage2 Wired Ergonomic Keyboard for Mac & PC | Kinesis Keyboards**
- 🌐 **Contact a Technician - Kinesis**

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