



# KINESIS KB360-Pro Advantage360 Pro Keyboard User Guide

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**KINESIS KB360-Pro Advantage360 Pro Keyboard**



## Quick Start Guide

This Quick Start Guide is designed to get you up and running with keyboard basics. For additional details and full programming instructions please read the User's Manual and consult the other support resources before embarking on this journey.

All Support Resources: [kinesis.com/support/kb360pro](https://kinesis.com/support/kb360pro)



Kinesis® Advantage360 Professional™ Keyboard  
with the ZMK Programming Engine  
ZMK firmware licensed under the Apache License version 2.0. Contains FCC ID: 2ALGY-NRF52840  
Keyboard models covered by this guide include all KB360-PRO series keyboards (KB360-PRO-xxx).

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Proudly designed and hand-assembled in the USA since 1992. Shop for Accessories: [kinesis.com/products](https://kinesis.com/products)

### Warning

Advantage360 is not a medical treatment. Please consult your doctor if you experience pain while using a keyboard and discontinue use immediately.

### In the Box

- Keyboard (KB360-PRO-XXX)
- 2 Charging Cables (USB-C to USB-A)

- Bridge Connector
- Extra Keycaps & Keycap Removal Tool

## System Requirements

Computer with full-size USB-A port or Bluetooth®, and Windows 7-12®, macOS®, Linux®, or Chrome® operating system

Note: If your computer does not have integrated Bluetooth, you may use a 3rd party Bluetooth dongle which is sold separately.

## Battery

Each keyboard module is equipped with a rechargeable Lithium-Ion battery. Turn on battery power by sliding the switch on the back of each module away from the USB port. Batteries will automatically charge whenever the module is connected via a charging cable.



## Getting Started – Wired USB

Use one of the included cables to connect the left module to your computer. Then power the right module by: 1) using the other cable to connect it to the computer, or 2) turning on battery power via the slide switch. Note: Anytime the left module is connect to a computer keystrokes will be sent to that device over USB.

## Getting Started – Wireless Bluetooth

Toggle both modules to battery power. Navigate to your computer's Bluetooth menu and locate the "Adv360 Pro" device and select "Connect". If the connection is successful, the Profile LED will go solid white to indicate Profile 1 has been paired. Note: Exact Bluetooth pairing will vary based on device and O/S, so consult your computer's operating manual or that of your Bluetooth dongle.

## Linking Between Modules

The left and right modules always communicate wirelessly.

## Ergonomics

The Kinesis contoured keyboard has stood the test of time since its first introduction in 1992. The Advantage360 takes those same core design principles and adds adjustable separation, rotation, and tenting to suit any body type.

Learn More: [kinesis.com/solutions/keyboard-risk-factors](https://kinesis.com/solutions/keyboard-risk-factors)

## Separation and Rotation

The most ergonomic typing position is one in which your hands are in line with your arms for “straight” wrists. This can be achieved by separating the modules to shoulder-width, by rotating the modules “outward”, or any combination of the two. New users should start with the modules closer together, and experiment with separation and rotation to see what orientation feels most natural.



### Optional Bridge Connector

For those who want to recreate the classic separation of our original contoured keyboard, or those who just aren't ready to make the move to a fully split keyboard, simply snap the Bridge Connector onto the keyboard base.

**Warning:** The Bridge Connector is NOT designed to support the weight of the keyboard!!!



### Adjustable Tenting

The Advantage360 features three adjustable “tenting” heights to reduce forearm pronation. Depress the button on the underside of each module and raise/lower the module to the desired height. The lowest setting corresponds to the original contoured keyboard height, but users can go up from there to find the perfect position.



### Customizing Keycaps

Extra keycaps like macOS modifiers and “blanks” are included to support keyboard customization. Use the keycap removal tool to grasp the sides of a keycap and gently pull straight up to remove. Carefully align the new keycap over the stem of the key switch and press down gently. Note: Each keycap has a different height and slope so it may not be suitable for every location on the keyboard.

### 6 Indicator LEDs

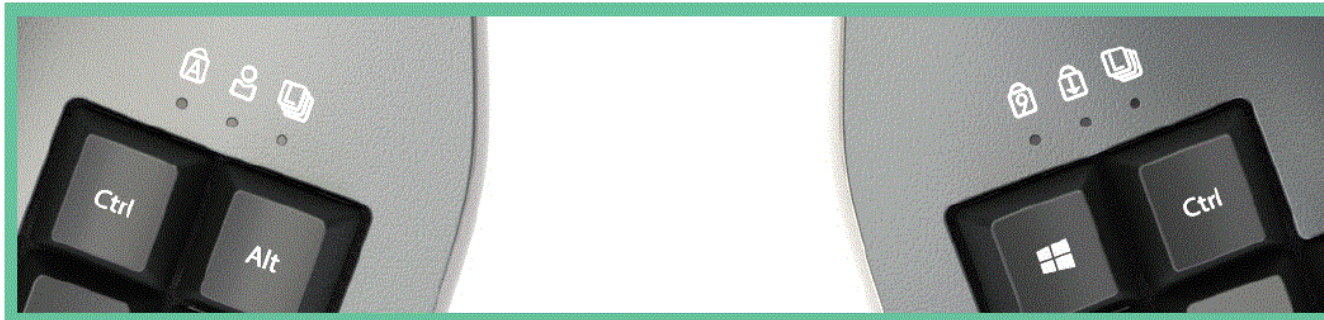
The Advantage360 Pro features 6 Indicator LEDs that display important keyboard settings. The function and color of each LED are shown below. Note: Not all indicator functionality is supported on all operating systems over Bluetooth.



**Caps Lock | Profile | Layer**  
**Num Lock | Scroll Lock | Layer**

**Caps Lock | Profile | Layer**

**Num Lock | Scroll Lock | Layer**



### Profile LED Color

1. White
2. Blue
3. Red
4. Green
5. Off

### Layer LED Color

Base: Off

kp: White

fn: Blue

Mod: Green

**Note:** Power users can enable additional layers as needed.

### Troubleshooting – Flashing Red LEDs

If all 3 LEDs on the right module are FLASHING RED, it means the right module cannot find the left module. Power-cycle both modules using the slide switches to re-establish the connection.

### Optional Palm Pads

If you purchased the all-new Palm Pads separately, simply identify the correct side and drop them into place. The magnets will automatically center them on the keyboard. Clean by wiping with a small amount of lightly soapy water as needed.



### Default Keyboard Layout

The Advantage360 may look intimidating at first, but the layout is designed to work with your body and most keys

are accessed with the same fingers touch-typists are accustomed to using.

- Concave keywells place alphanumeric keys within easy reach
- Heavily-used editing keys are positioned under your thumbs
- F1 – F12 are accessed by holding either of the two “fn” layer keys
- The numeric keypad is accessed by tapping the “kp” layer key
- 4 blank “hotkeys” are available for macros or custom key actions
- Programming commands are triggered by key combinations initiated with the “Mod” Key

### 3 Default Layers

Each key can perform multiple actions depending on which “layer” is active on the keyboard. The layer LEDs will illuminate when you move away from the base layer. By default, most keys perform the same action in all three layers. If a key performs multiple actions, the keycap will feature a second and/or third legend on its front face.

1. **Base Layer:** In the base layer, each key performs its primary action, which is legended on the top of the keycap.
2. **kp Layer:** Tap the “kp” key on the left module to access the kp layer, and tap it again to return to the base layer. Kp layer actions are legended on the lower right corner of the keycap.
3. **fn Layer:** Press and hold either “fn” key with your pinky to access the fn layer, and release to return to the base layer. Fn layer actions are legended on the lower left corner of the keycap.

### Available Profiles

The Advantage360 Pro has 5 Profiles so can you pair the keyboard with up to 5 Bluetooth devices and quickly switch between them.

Switch Profiles: Mod + 1 – 5

### Profile LED Indicates Pairing Status

- **Fast Flash:** Keyboard is ready to pair to a new device in this Profile
- **Slow Flash:** Previously-paired device for this Profile is not in range
- **Solid:** Keyboard is successfully paired

### Customize Backlighting

The Advantage360 Pro features backlighting and shine-through keycaps so you can work in low-light environments. There are 5 brightness levels to choose from and the backlighting can be adjusted on-the-fly. Use the shortcuts below to adjust backlighting.

**Note:** The battery life will be extended significantly if the backlighting is dimmed or disabled.

**Adjust Brightness:** Mod + Arrow Up / Arrow Down

**Disable Backlighting:** Mod + Enter

### Custom Programming

The open-source ZMK Programming Engine is an incredibly powerful platform designed by keyboard enthusiasts, for keyboard enthusiasts. Power users can edit the online configuration files to customize the base layout, create additional layers, assign special key actions, and write basic text-string macros.

Note: The ZMK Engine is hosted on the 3rd party GitHub platform. Kinesis does not control this content and can only provide limited support.

Supported Key Actions: [zmk.dev/docs/codes/](https://zmk.dev/docs/codes/)

If you are not familiar with ZMK it is essential that you read the User Manual before attempting to customize your keyboard. Custom programming exceeds the scope of this guide and what follows is a brief summary intended for experienced users.

1. Create (or Log-in) a GitHub account

Signup: <https://github.com/signup>

2. Fork the “Adv360 Pro ZMK” GitHub Repository:

Repo: [github.com/KinesisCorporation/Adv360-Pro-ZMK](https://github.com/KinesisCorporation/Adv360-Pro-ZMK)

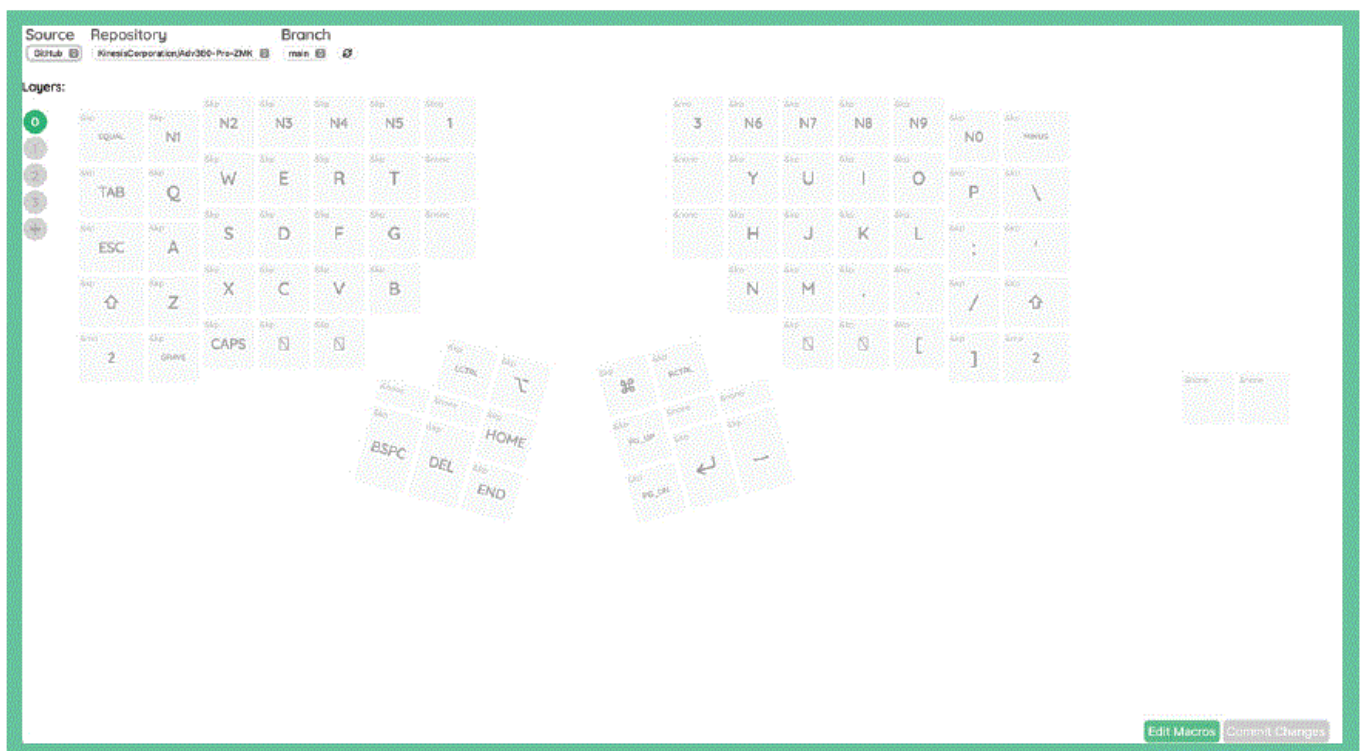
3. Enable Workflows from the “Actions” tab
4. Edit adv360.keymap or macros.dtsi (“Code” tab, “config” folder)
5. Click “Commit Changes” to initiate a new firmware build
6. Download the firmware from Actions once the “build” has run

## Graphical Programming

To access a graphical interface for reprogramming the keyboard, visit the link below, authorize the App in GitHub, and then load your personal Repository. From here you can create new layers, assign new types of key behaviors (Note: “&kp” is the default keypress) and key codes, as well as create, edit, and assign basic macros.

When you have finished editing, click “Commit Changes” and follow the instructions in this guide to download and install the firmware.

GUI: <https://kinesiscorporation.github.io/Adv360-Pro-GUI/>



## Accessing the Bootloader and Installing Firmware Files

Each key module contains its own onboard flash storage which can be accessed to install firmware files. With the respective key module connected to a computer over USB, use the shortcuts below to mount the removable drive

named “Adv360 Pro”. Note: The bootloader can also be accessed via a physical push button switch using a paperclip (Consult the User’s Manual for details).


**Left Module Bootloader:** Mod + Hotkey 1

**Right Module Bootloader:** Mod + Hotkey 3

Install the downloaded firmware files by copying “left.uf2” to the left drive first, and then by copying “right.uf2” to the right drive.

**Note:** Do not disconnect the cable until the update is complete.

## Documents / Resources

 <p>Quick Start Guide</p> <p>The Quick Start Guide is designed to get you up and running with your new Kinesis KB360-Pro Advantage360 Pro Keyboard. It contains information on how to connect the keyboard to your computer, how to use the keyboard, and how to troubleshoot common problems. For more information, please visit the Kinesis website at <a href="http://www.kinesis.com">www.kinesis.com</a>.</p> <p>All Support Resources: <a href="http://www.kinesis.com/support">www.kinesis.com/support</a></p> <p>Visit the Official Kinesis YouTube channel for more helpful videos.</p>	<p><a href="#">KINESIS KB360-Pro Advantage360 Pro Keyboard</a> [pdf] User Guide</p> <p>KB360-Pro, Advantage360 Pro Keyboard, Pro Keyboard, KB360-Pro, Keyboard</p>
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## References

- [GitHub - KinesisCorporation/Adv360-Pro-ZMK: Production repository for the all-new Advantage360 Professional using ZMK engine](#)
- [Kinesis Ergonomic Keyboards, Mice and Input Solutions](#)
- [Kinesis Keyboards, Mice, Foot Pedals, Keypads and Accessories](#)
- [Keyboard Risk Factors | Kinesis Corporation](#)
- [Kinesis Advantage360 Pro \(ZMK\) Keyboard | Technical Support](#)
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