

Realforce R3HD13

Realforce R3 TKL Bluetooth Mechanical Keyboard (Topre 30g) User Manual

Model: R3HD13

1. INTRODUCTION

Thank you for purchasing the Realforce R3 TKL Bluetooth Mechanical Keyboard. This keyboard features silent Topre capacitive switches with a 30g actuation force, offering a unique and comfortable typing experience. It supports both wired (USB-C) and wireless (Bluetooth 5.0) connectivity, allowing connection to up to four devices. The R3 TKL also includes advanced customization options through its dedicated software, such as Actuation Point Changer (APC) and custom key mapping.

Please read this manual thoroughly to ensure proper setup and operation of your new keyboard.

2. WHAT'S IN THE BOX

Verify that all items are present before proceeding with setup:

- Realforce R3 TKL Bluetooth Mechanical Keyboard
- USB-C Cable (70 inches)
- 2 x AA Batteries (pre-installed or included separately for Bluetooth mode)



Image: The Realforce R3 TKL keyboard shown with its detachable USB-C cable, representing the contents of the box.

3. SETUP

3.1. Battery Installation (for Wireless Use)

The keyboard requires 2 AA batteries for wireless Bluetooth operation. These are typically included. Locate the battery compartment on the underside of the keyboard, open the cover, and insert the batteries according to the polarity indicators. Close the cover securely.

3.2. Wired Connection

For a wired connection, use the provided USB-C cable. Connect one end to the USB-C port on the keyboard and the other end to an available USB port on your computer. The keyboard will be recognized automatically by most operating systems. Wired connection supports full N-key rollover.

3.3. Wireless Bluetooth Connection

The R3 TKL keyboard supports Bluetooth 5.0 and can connect to up to four devices.

1. Ensure the keyboard has batteries installed and is powered on.
2. On the keyboard, press and hold the **Fn** key and one of the **Bluetooth profile keys (1, 2, 3, or 4)** for approximately 3 seconds until the corresponding LED indicator flashes rapidly. This indicates pairing mode.
3. On your device (computer, tablet, smartphone), navigate to the Bluetooth settings.
4. Search for available devices and select "Realforce R3 TKL" (or similar name) from the list.
5. Follow any on-screen prompts to complete the pairing process. The LED indicator on the keyboard will stop flashing and remain solid when successfully connected.
6. To switch between paired devices, simply press **Fn + [1, 2, 3, or 4]** corresponding to the desired device profile.



Image: The Realforce R3 TKL keyboard illuminated by a blue light, symbolizing its Bluetooth 5.0 connectivity.

4. OPERATING INSTRUCTIONS

The Realforce R3 TKL keyboard offers several advanced features configurable via the Realforce software. Download the latest software from the official Realforce website.

4.1. Realforce Software Overview

The Realforce software allows you to customize various aspects of your keyboard and save settings to its on-board memory. This is particularly useful for environments where software installation on the PC is restricted.

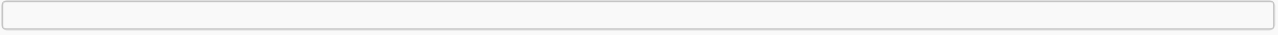


Image: A visual representation of the Realforce R3 software interface, displaying options for key remapping, APC adjustments, and other customizable settings.

4.2. Actuation Point Changer (APC)

The APC function allows you to adjust the actuation point depth for each key individually. This means you can set how far a key needs to be pressed before it registers a keystroke. Available settings are 0.8mm, 1.5mm, 2.2mm, or 3.0mm.

- Open the Realforce software.
- Navigate to the APC settings section.
- Select the desired actuation point for individual keys or apply a setting globally.
- Save your changes to the keyboard's on-board memory.



Image: A layered diagram illustrating the four adjustable actuation point depths (0.8mm, 1.5mm, 2.2mm, 3.0mm) for the keyboard's switches, demonstrating the APC function.

4.3. Heat Map Function

The heat map feature in the Realforce software visually displays which keys you use most frequently. This can help you identify keys for which you might want to adjust the APC setting or reassign functions.

4.4. Custom Keymap Function

Customize key assignments to suit your workflow. You can remap individual keys to perform different functions or macros using the Realforce software.

4.5. Key Layout Switching Function

Switch between two predefined key layouts (Layout A or Layout B) on the fly. This is useful for adapting to different applications or operating systems (e.g., Windows and macOS layouts).

4.6. ECO Mode Setting

Adjust the battery consumption settings when using Bluetooth to optimize battery life. This can be configured through the Realforce software.

4.7. Firmware Update

Keep your keyboard up-to-date by performing firmware updates directly through the Realforce software user interface. Regular updates can improve performance and add new features.

4.8. Genuine Silent Topre Capacitive Switches

The keyboard features genuine silent Topre capacitive switches, known for their tactile feel and quiet operation. The 30g actuation force provides a light and responsive typing experience.



Image: An exploded diagram of a Topre switch, detailing its internal components including the keycap, housing, conical spring, and rubber dome, highlighting its non-contact electrostatic capacitive mechanism.

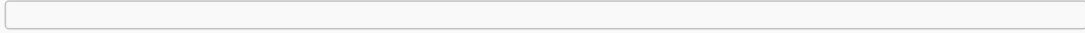


Image: A graph illustrating the force curve of a Topre switch, depicting the force required during key press and release across its travel distance, characteristic of its "feather key touch."

5. MAINTENANCE

To ensure the longevity and optimal performance of your Realforce R3 TKL keyboard, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and keyboard surface. Avoid harsh chemicals or abrasive materials.
- **Dust Removal:** Use compressed air to remove dust and debris from between the keycaps.
- **Liquid Spills:** In case of a liquid spill, immediately disconnect the keyboard from your computer (both USB and remove batteries). Turn the keyboard upside down to drain liquid and allow it to dry completely for at least 24-48 hours before reconnecting. Do not use a hairdryer as excessive heat can damage components.
- **Storage:** Store the keyboard in a dry, cool environment away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

6.1. Keyboard Not Responding (Wired)

- Ensure the USB-C cable is securely connected to both the keyboard and the computer.
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to rule out a computer-specific issue.
- If possible, try a different USB-C cable.

6.2. Keyboard Not Connecting (Bluetooth)

- Check if the batteries are correctly installed and have sufficient charge. Replace if necessary.
- Ensure Bluetooth is enabled on your device.
- Make sure the keyboard is in pairing mode (LED flashing rapidly).
- Remove any existing "Realforce R3 TKL" entries from your device's Bluetooth settings and attempt to pair again.
- Ensure the keyboard is within the effective range of your Bluetooth device.
- Avoid sources of interference such as Wi-Fi routers, other Bluetooth devices, or large metal objects.

6.3. Keys Not Registering or Double-Typing

- Clean the affected key(s) to remove any debris that might be obstructing the switch mechanism.
- Ensure the keyboard firmware is up to date using the Realforce software.

- If using APC, try resetting the actuation point for the affected key(s) to default or a different setting.

6.4. Software Not Detecting Keyboard

- Ensure the keyboard is connected via USB-C cable to the computer where the software is installed. The software typically requires a wired connection for full functionality and firmware updates.
- Restart your computer and the Realforce software.
- Ensure you have the latest version of the Realforce software installed.

7. SPECIFICATIONS

Model Number	R3HD13
Product Dimensions	14.91 x 6.41 x 1.53 inches
Item Weight	2.86 pounds
Connectivity Technology	Bluetooth 5.0, USB-C
Keyboard Description	Mechanical (Topre Capacitive)
Switch Type	Topre 30g (Silent)
Compatible Devices	Laptop, PC
Power Source	2 AA Batteries (for Bluetooth), USB Cable
Special Features	Bluetooth, APC (Actuation Point Changer), Customizable Keymap, ECO Mode, N-key Rollover (wired)
Material	Plastic
Manufacturer	Topre Corporation

8. WARRANTY AND SUPPORT

Realforce products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Realforce website. Warranty terms may vary by region. For technical support, troubleshooting assistance, or to download the latest software and firmware, please visit the official Realforce support page:

[Realforce Official Support Website](#)

When contacting support, please have your keyboard's model number (R3HD13) and purchase information readily available.