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> Max keyboard Falcon-20 Programmable Macropad Mechanical Keyboard User Manual

Max keyboard MAX-FALCON-20-RGB

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Model: MAX-FALCON-20-RGB

1. PRODUCT OVERVIEW

The Max keyboard Falcon-20 RGB is a programmable 20-key macropad designed to enhance productivity and gaming. Each key can be reprogrammed for custom macros, media controls, or shortcut keys. It features Cherry MX RGB mechanical key switches and full-color RGB backlighting with multiple modes.

- Programmable 20-Key Macropad Mechanical Keyboard
- Cherry MX RGB mechanical key switches
- Full color RGB backlit keys with 8 level backlight modes
- 4mbit on-board memory for storing configurations
- 1000Hz polling rate and N-key rollover for responsive input
- Dual micro USB Port for flexible connectivity
- 5 programmable layers for extensive customization
- Detachable USB cable for portability and easy replacement

2. PACKAGE CONTENTS

Ensure all items are present upon unboxing:

- Falcon-20 RGB mechanical keypad (assembled)
- Micro USB Cable
- Riser feet and plastic feet (not pre-installed)
- Instruction Manual / Warranty Card

3. SETUP INSTRUCTIONS

3.1 Connecting the Macropad

Connect the Falcon-20 RGB macropad to your computer using the provided Micro USB cable. The macropad features dual Micro USB ports for flexible cable routing.



Figure 1: Falcon-20 RGB Macropad connected via Micro USB cable, displaying active RGB lighting.

3.2 Software Installation

The programming software is required for customizing key functions, macros, and lighting effects. It is compatible with Windows operating systems (Windows 10, Windows 8, Windows 7, Windows XP).

1. Visit the official Max keyboard website to download the latest Falcon-20 RGB programming software.
2. Run the installer and follow the on-screen prompts to complete the installation.
3. Launch the software after installation.

3.3 Basic Programming

The software allows you to configure the macropad's 5 programmable layers. Each key can be assigned a single key function, a macro, or a multimedia command.



Figure 2: Software interface for managing programmable layers and key assignments. Users can select different layers (Layer 1-5) and configure individual keys.

- **Key Assignment:** Select a key on the virtual macropad within the software. Choose from various options like keyboard key, mouse key, multimedia function, or a custom macro.
- **Macro Settings:** Create complex sequences of key presses and releases. The software allows setting delay timers for each command within a macro.



Figure 3: Macro Settings interface, allowing users to record key sequences, set delays, and configure repeat options for custom macros.

- **Backlight Settings:** Customize the RGB lighting effects, including 8 level backlight modes and individual key color settings.
- **Saving Changes:** After making changes, click the 'SAVE' button in the software to apply the configuration to the

macropad's on-board memory.



Figure 4: Detailed Key Assignment screen, offering a wide range of keyboard, mouse, and multimedia functions to assign to each key.

4. OPERATING INSTRUCTIONS

4.1 Using Programmable Keys

Once programmed, the keys will execute their assigned functions. The macropad comes pre-programmed with numerical keys on its default layer (refer to product images for layout).



Figure 5: Top-down view of the Falcon-20 RGB Macropad, illustrating the 20-key layout with numerical keycaps.

4.2 Adjusting RGB Backlight

The macropad supports full-color RGB backlighting with 8 levels of brightness and various modes. These settings can be configured via the programming software.



Figure 6: Angled view of the Falcon-20 RGB Macropad, showcasing its customizable full-color RGB backlighting.

4.3 Switching Layers

The Falcon-20 RGB supports 5 programmable layers. You can assign a key to switch between these layers, allowing for multiple sets of commands on the same physical keys.

5. MAINTENANCE

5.1 Cleaning

To clean your macropad, disconnect it from the computer. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. Avoid harsh chemicals or abrasive materials. For keycaps, a keycap puller can be used to remove them for deeper cleaning.

5.2 Storage

Store the macropad in a cool, dry place away from direct sunlight and extreme temperatures. Use the detachable USB cable for easier storage and transport.

6. TROUBLESHOOTING

- **Keys not responding:**

- Ensure the USB cable is securely connected to both the macropad and the computer.
- Verify that the programming software is running and the correct layer is active.
- Test the macropad on a different USB port or computer to rule out port issues.

- **Programming software issues:**

- Ensure your operating system meets the minimum requirements (Windows 10, 8, 7, XP).

- Try reinstalling the programming software.
- If changes are not saving, try resetting the layer within the software and re-programming. Some users have reported cache-related issues requiring a layer reset.

- **RGB lighting not working:**

- Check backlight settings within the programming software.
- Ensure the macropad is receiving sufficient power via the USB connection.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.93 x 0.66 x 4.72 inches (approx.)
Item Weight	12 ounces (approx.)
Key Switches	Cherry MX RGB Mechanical
Backlighting	Full Color RGB, 8 levels
On-board Memory	4mbit
Polling Rate	1000Hz
Rollover	N-key Rollover
Connectivity	Dual Micro USB Port
Programmable Layers	5
System Requirements	Windows (Programming Software: Windows 10, 8, 7, XP)

8. WARRANTY AND SUPPORT

Please refer to the warranty card included in your package for detailed warranty information. For technical support, software downloads, and programming tutorials, visit the official Max keyboard website.