

MSI GK320

MSI Forge GK320 FR Mechanical Gaming Keyboard User Manual

Model: GK320 FR

INTRODUCTION

The MSI Forge GK320 FR is a full-size mechanical gaming keyboard designed for an optimal gaming and typing experience. It features durable Red mechanical switches, customizable RGB lighting, and an ergonomic design. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your keyboard.

PACKAGE CONTENTS

Please check the package for the following items:

- MSI Forge GK320 FR Mechanical Gaming Keyboard
- Keycap Puller
- User Manual (this document)

SETUP

1. **Connect the Keyboard:** Plug the USB 2.0 cable of the MSI Forge GK320 FR keyboard into an available USB port on your computer. The keyboard is plug-and-play and should be recognized automatically by your operating system (Windows 10, Windows 11 or later).
2. **Adjust Tilt Feet:** For improved ergonomics and comfort during long gaming sessions, you can extend the adjustable tilt feet located on the underside of the keyboard.



Image: The MSI Forge GK320 FR keyboard with its adjustable tilt feet extended, showcasing the RGB lighting along the bottom edge.

OPERATING INSTRUCTIONS

Key Features

- **Red Mechanical Switches:** The keyboard is equipped with Red mechanical switches, offering a linear and smooth keystroke with an actuation force of 45g. These switches are designed for quick, responsive actions and reduced finger fatigue.



Image: A detailed view of a Red mechanical switch, highlighting its internal structure and linear design.

- **Hot-Swappable Design:** The GK320 FR features a hot-swappable design, allowing you to easily replace the original 3-pin mechanical switches without soldering. This provides flexibility for customizing your typing experience.



Image: An illustration demonstrating the process of removing a mechanical switch from the keyboard using a switch puller.

- **Fixed RGB Backlighting:** The keyboard includes fixed RGB lighting with various predefined effects. These effects can be cycled and adjusted directly using dedicated shortcut keys.



Image: The MSI Forge GK320 FR keyboard illuminated with colorful RGB backlighting, creating an immersive ambiance.

- **Removable Magnetic Cover:** The keyboard features a removable magnetic cover, allowing for easy cleaning and customization of its appearance.



Image: The MSI Forge GK320 FR keyboard with its magnetic top cover detached, revealing the underlying structure.

- **Dedicated Volume Knob:** A convenient rotary knob is integrated for quick and precise volume adjustments, including a mute function.



Image: A close-up view of the textured rotary volume knob with a mute function, located on the upper right of the keyboard.

- **Anti-Ghosting and N-Key Rollover:** The keyboard supports 6+N key rollover and full anti-ghosting, ensuring that every keystroke is registered accurately, even during intense gaming sessions with multiple simultaneous key presses.

Function Key Shortcuts

The MSI Forge GK320 FR keyboard utilizes the **Fn** key in combination with other keys to access various functions:

Key Combination	Function
Fn + F1	Play/Pause Media
Fn + F2	Previous Track
Fn + F3	Next Track
Fn + F4	Volume Down
Fn + F5	Volume Up
Fn + (Lighting Key)	Cycle RGB Lighting Effects
Ctrl + Shift + S	Macro Function 1 (User Programmable)

Key Combination	Function
Ctrl + Shift + G	Macro Function 2 (User Programmable)

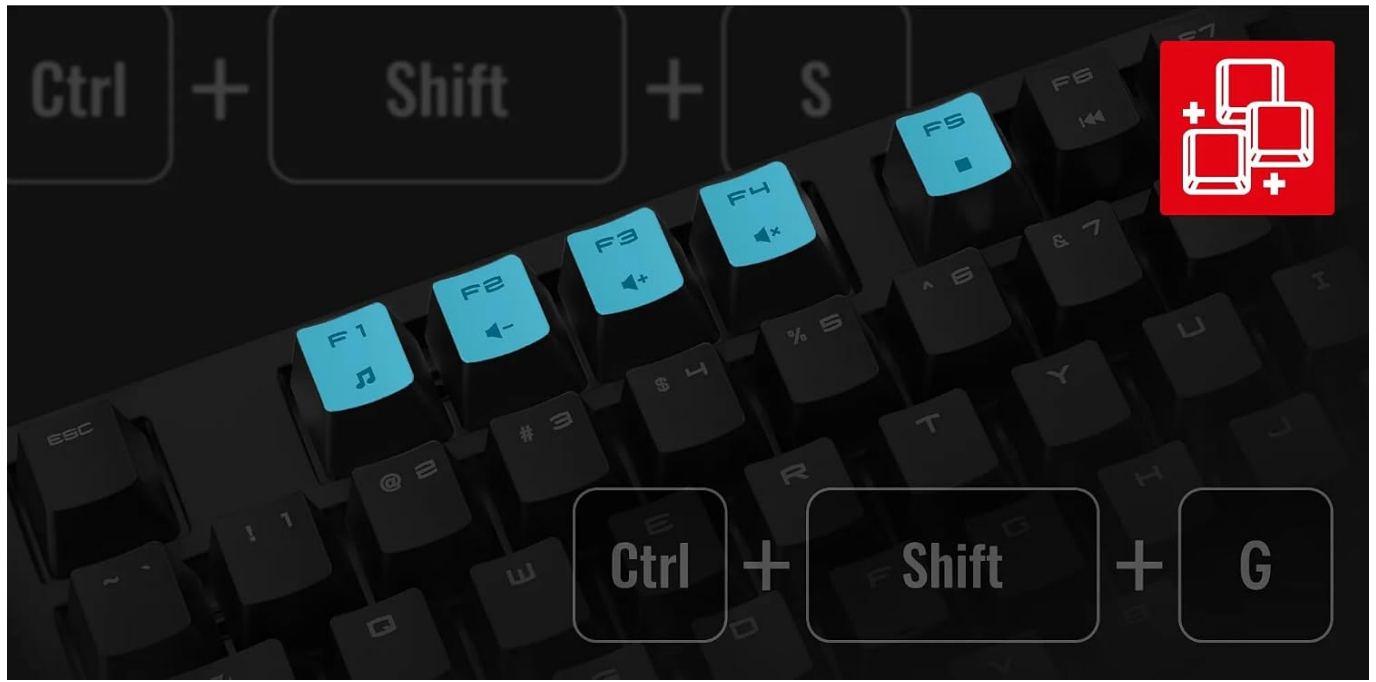


Image: The MSI Forge GK320 FR keyboard showing the F1-F5 keys with media icons and the Ctrl+Shift+S and Ctrl+Shift+G combinations for macro functions.

MAINTENANCE

- **Cleaning:** To clean the keyboard, disconnect it from your computer. Use a soft, dry cloth to wipe down the keycaps and chassis. For deeper cleaning, remove the magnetic cover and use the provided keycap puller to carefully remove keycaps. Use compressed air to clear debris from under the keycaps.
- **Switch Replacement:** If you wish to replace switches, use a switch puller (not included, but often comes with replacement switches) to gently remove the existing 3-pin switches. Align the new 3-pin switch with the pins and press firmly until it clicks into place. Ensure the keyboard is disconnected during this process.

TROUBLESHOOTING

- Keyboard Not Responding:**
 - Ensure the USB cable is securely connected to both the keyboard and your computer.
 - Try plugging the keyboard into a different USB port.
 - Restart your computer.
 - Test the keyboard on another computer to determine if the issue is with the keyboard or your system.
- Keys Not Registering or Double-Typing:**
 - This could indicate a faulty switch. Utilize the hot-swappable feature to replace the problematic switch.
 - Ensure no debris is lodged under the keycap or switch. Clean the area as described in the Maintenance section.
- RGB Lighting Not Working:**
 - Ensure the keyboard is properly connected and powered.
 - Cycle through the lighting effects using the designated shortcut keys (refer to "Function Key Shortcuts" section).
 - If the issue persists, try reconnecting the keyboard or restarting your computer.

SPECIFICATIONS

Feature	Detail
Brand	MSI
Model Name	FORGE GK320 RED FR
Model Number	S11-04FR255-HH9
Connectivity Technology	USB 2.0
Keyboard Description	Mechanical
Switch Type	Red Mechanical (Linear, 45g actuation force)
Special Feature	Hot-Swappable Switches
Color	Black
Backlight Color Management	RGB (Fixed effects)
Keyboard Layout	AZERTY (French)
Number of Keys	104
Product Dimensions (L x W x H)	44.1L x 13.4W x 3.7H cm
Item Weight	978 Grams
Compatible Devices	PC
Minimum OS Requirement	Windows 10, Windows 11
Power Source	USB Power

msi



389 mm
(15.32")



Image: The MSI Forge GK320 FR keyboard shown with its length, width, and height dimensions indicated.

WARRANTY AND SUPPORT

The MSI Forge GK320 FR Mechanical Gaming Keyboard comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets quality standards.

For technical support, warranty claims, or further assistance, please visit the official MSI support website or contact your local retailer. Keep your proof of purchase for warranty validation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question