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FIREBAT XGQF-US-R3 7730U 16 512LP

FIREBAT Mini PC AMD Ryzen 7 7730U User Manual

Model: XGQF-US-R3 7730U 16 512LP

1. Introduction

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your FIREBAT Mini PC AMD Ryzen 7 7730U. Please read this manual carefully before using the product to ensure optimal performance and longevity. This mini PC is designed for various applications including office work, education, and home entertainment, offering powerful performance in a compact form factor.

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- FIREBAT R3 Mini PC
- DC Adapter & Cable (19V/3.42A 65W)
- User Manual
- VESA Mount With Screws
- HDMI Cable



Image: Contents of the FIREBAT Mini PC package, including the mini PC unit, power adapter, user manual, VESA mount, and HDMI cable.

3. Product Overview

3.1. Physical Dimensions and Weight

The FIREBAT Mini PC is designed for portability and space-saving. Its dimensions are approximately 5.04 x 5.08 x 1.61 inches (128mm x 129mm x 41mm) and it weighs approximately 435 grams.



Image: The FIREBAT Mini PC shown with its compact dimensions (128mm x 129mm x 41mm) and approximate weight (435g), highlighting its miniature size.

3.2. Ports and Interfaces

The mini PC offers a comprehensive set of ports for versatile connectivity:

- **Front Ports:** 1x USB-C (10 Gbps), 2x USB-A 3.2 Gen2, 1x 3.5mm Audio Jack
- **Rear Ports:** 1x HDMI 2.0, 1x DisplayPort 1.4, 1x Gigabit LAN, 4x USB-A 3.0, 1x DC Power Input



Image: Detailed view of the FIREBAT Mini PC's front and rear panels, illustrating the various USB-C, USB-A, HDMI, DisplayPort, LAN, and audio ports.

3.3. Key Features

- **Processor:** AMD Ryzen 7 7730U (8 Cores, 16 Threads, up to 4.5GHz)
- **Memory:** 16GB LPDDR4 RAM (non-upgradeable)
- **Storage:** 512GB M.2 2280 SSD (expandable with dual M.2 2280 slots, supporting up to 4TB total)
- **Graphics:** Integrated AMD Radeon Graphics, supporting 4K@60Hz output
- **Display Output:** Type-C, HDMI 2.0, and DisplayPort 1.4 for triple-screen independent display
- **Connectivity:** Wi-Fi 6, Bluetooth 5.2, Gigabit Ethernet
- **Cooling:** Single-fan, dual-heatpipe cooling system for stable and quiet operation
- **Operating System:** Windows 11

4. Setup Guide

4.1. Initial Connection

1. **Connect to Power:** Plug the DC adapter into the mini PC's DC input port and then into a power outlet.
2. **Connect to Display:** Use an HDMI, DisplayPort, or USB-C cable to connect your monitor(s) to the corresponding port(s) on the mini PC.
3. **Connect Peripherals:** Connect your keyboard, mouse, and any other USB devices to the available USB ports.
4. **Network Connection (Optional):** For a wired connection, connect an Ethernet cable to the Gigabit LAN port. For wireless, ensure Wi-Fi is enabled after initial setup.

4.2. First Boot

1. Press the power button on the front of the mini PC.
2. The system will boot into Windows 11. Follow the on-screen instructions to complete the initial Windows setup, including language, region, network, and user account creation.
3. Once setup is complete, your FIREBAT Mini PC is ready for use.

5. Operating Instructions

5.1. Basic Operation

The FIREBAT Mini PC runs on Windows 11, providing a familiar user experience. You can launch applications, browse the web, and manage files just like on any standard desktop computer.

5.2. Multi-Monitor Setup

The mini PC supports independent triple-screen display via its Type-C, HDMI 2.0, and DisplayPort 1.4 outputs, all capable of 4K@60Hz resolution. To configure multiple displays:

1. Connect up to three monitors to the available video output ports.
2. In Windows, right-click on the desktop and select "Display settings."
3. From here, you can detect, arrange, and extend or duplicate your displays as needed.

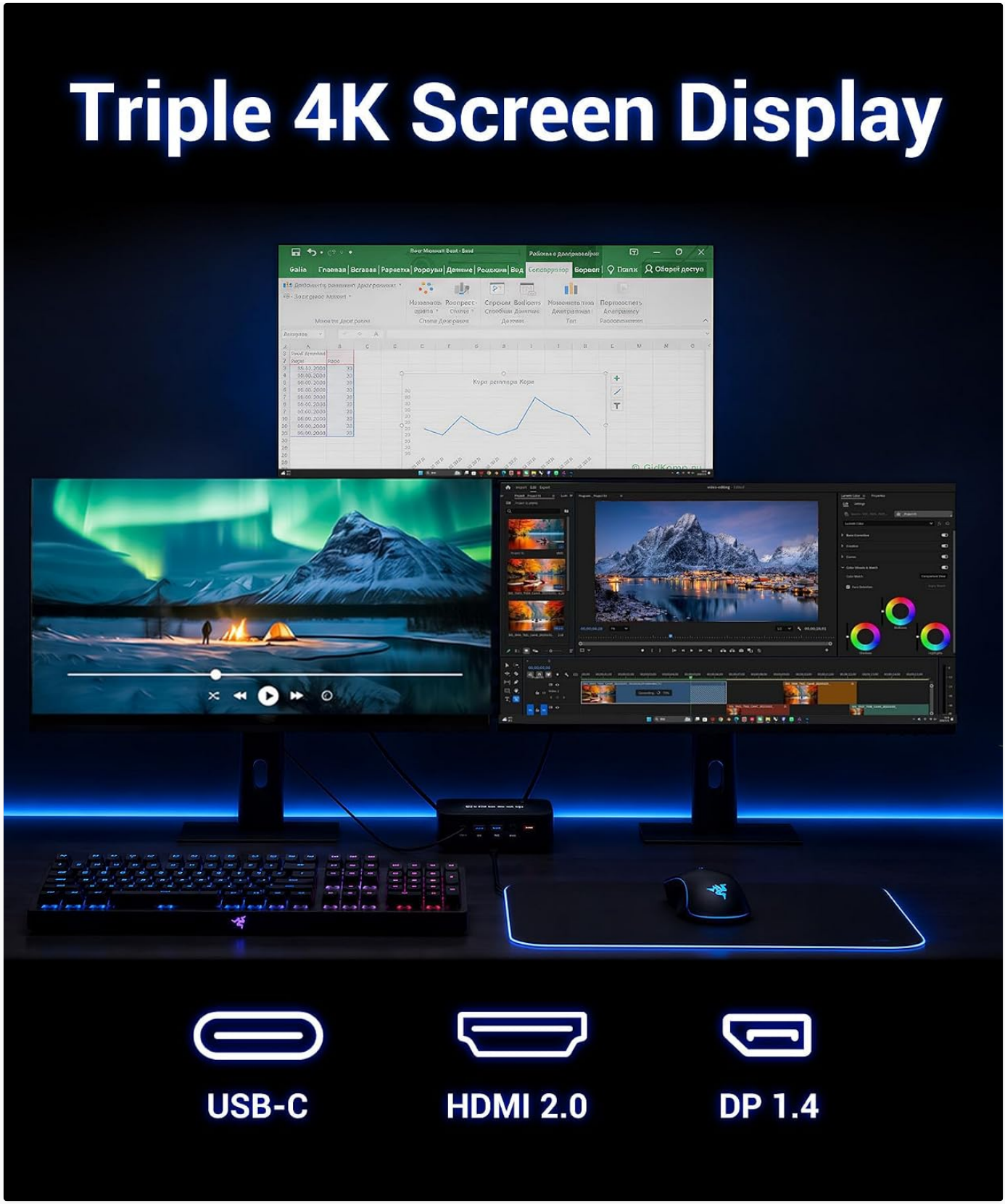


Image: A FIREBAT Mini PC connected to three monitors, demonstrating its capability for triple 4K screen independent display via USB-C, HDMI 2.0, and DisplayPort 1.4.

5.3. Network and Bluetooth Connectivity

The device features high-speed wireless and wired connectivity:

- **Wi-Fi 6:** For wireless internet access, connect to your Wi-Fi network through Windows settings.
- **Bluetooth 5.2:** Pair wireless peripherals like keyboards, mice, or speakers via Bluetooth settings.
- **Gigabit Ethernet:** Provides a stable and fast wired network connection.



Image: Visual representation of the FIREBAT Mini PC's network capabilities, including Gigabit LAN, Wi-Fi 6, and Bluetooth 5.2, surrounded by compatible peripherals.

5.4. Storage Expansion

The mini PC comes with a 512GB M.2 2280 SSD and features two full-height M.2 2280 drive slots, allowing for significant storage expansion up to 4TB. One slot supports SATA protocol, while the other supports both NVMe and SATA protocols.



Image: Internal view of the FIREBAT Mini PC showing the dual M.2 SSD slots for flexible storage expansion, indicating support for both NVMe and SATA SSDs, alongside the 16GB LPDDR4 RAM.

6. Maintenance

6.1. Cleaning

- Regularly clean the exterior of the mini PC with a soft, dry cloth.
- Use compressed air to gently clear dust from the ventilation openings to maintain optimal airflow and cooling performance. Do not open the casing unless performing a supported upgrade (e.g., SSD).

6.2. Software Updates

- Keep your Windows 11 operating system updated by regularly checking for updates in "Settings > Windows Update."
- Ensure your device drivers, especially graphics drivers, are up to date for best performance. You can usually find driver updates on the manufacturer's website or through Windows Update.

6.3. Heat Dissipation

The FIREBAT Mini PC features an efficient single-fan, dual-heatpipe cooling system designed for stable and quiet operation. To ensure optimal heat dissipation:

- Place the mini PC in a well-ventilated area.
- Avoid blocking the air vents on the sides and back of the device.
- Do not operate the mini PC in direct sunlight or in excessively hot environments.

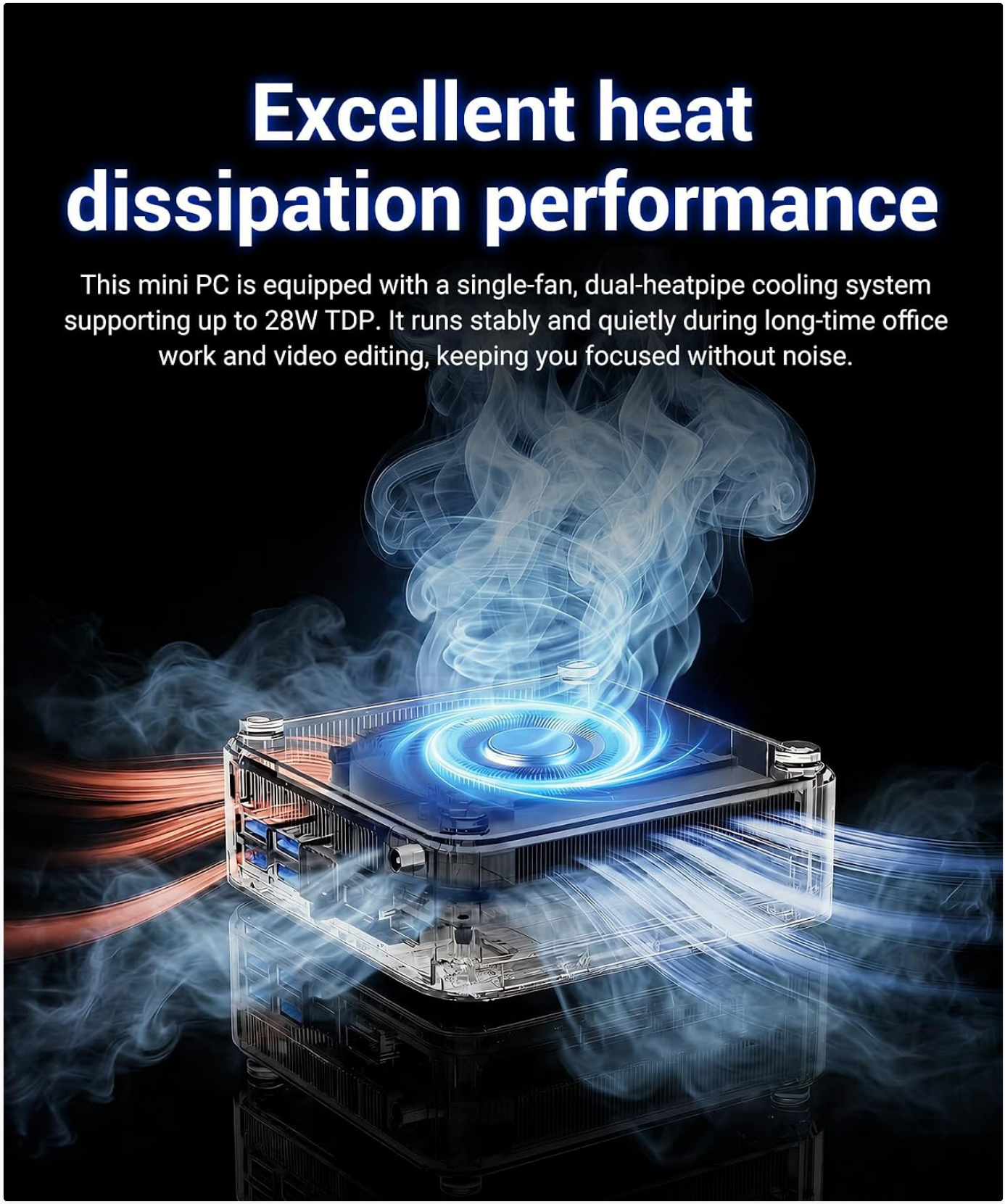


Image: An illustration of the FIREBAT Mini PC's internal cooling system, showing air intake and exhaust, highlighting its excellent heat dissipation performance with a single-fan, dual-heatpipe design.

7. Troubleshooting

If you encounter issues with your FIREBAT Mini PC, refer to the following common troubleshooting steps:

Problem	Possible Cause / Solution

Problem	Possible Cause / Solution
No Power / System Not Starting	• Ensure the power adapter is securely connected to both the mini PC and a working power outlet. • Verify the power outlet is functional. • Try a different power outlet if available.
No Display on Monitor	• Check if the monitor is powered on and set to the correct input source (HDMI, DP, USB-C). • Ensure the video cable is securely connected to both the mini PC and the monitor. • Try a different video cable or monitor if possible.
No Internet Connection	• **Wired:** Check the Ethernet cable connection to both the mini PC and your router/modem. Verify router/modem status. • **Wireless:** Ensure Wi-Fi is enabled in Windows settings. Check if you are connected to the correct network and enter the password correctly. Restart your router/modem.
Peripherals Not Responding (Keyboard/Mouse)	• Ensure USB devices are plugged into working USB ports. • For wireless devices, check battery levels and ensure they are properly paired (Bluetooth) or their dongle is connected. • Try connecting the peripheral to a different USB port.

If these steps do not resolve your issue, please refer to the Warranty and Support section for further assistance.

8. Specifications

Feature	Detail
Brand	FIREBAT
Model Number	XGQF-US-R3 7730U 16 512LP
Operating System	Windows 11
CPU Model	AMD Ryzen 7 7730U
CPU Cores / Threads	8 Cores / 16 Threads
Max Boost Clock	4.5 GHz
L3 Cache Size	16 MB
Graphics Coprocessor	Integrated AMD Radeon Graphics
RAM Memory	16 GB LPDDR4 (Non-upgradeable)
Storage	512 GB M.2 2280 SSD
Storage Expansion	Dual M.2 2280 slots (1x SATA, 1x NVMe/SATA), up to 4TB total

Feature	Detail
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Wired Connectivity	Gigabit Ethernet (LAN)
Video Output Interfaces	1x HDMI 2.0, 1x DisplayPort 1.4, 1x USB-C (DisplayPort Alt Mode)
Max Display Resolution	4K@60Hz (per port)
USB Ports	1x USB-C 3.2 Gen2, 2x USB-A 3.2 Gen2, 4x USB-A 3.0 (Total 7 USB ports)
Audio Interface	3.5mm Audio Jack
Cooling Method	Fan (Single-fan, dual-heatpipe)
Power Consumption	28 watts (TDP)
Item Dimensions	5.04 x 5.08 x 1.61 inches (128 x 129 x 41 mm)
Item Weight	435 grams

9. Warranty and Support

FIREBAT is committed to providing quality products and customer satisfaction.

- **Manufacturer's Warranty:** Your FIREBAT Mini PC comes with a 1-year manufacturer's warranty.
- **Technical Support:** Lifetime technical support is provided for all FIREBAT products.
- **Contact Support:** If you have any questions or require assistance, please contact FIREBAT customer support. You can typically reach support via your purchase platform's "Account Services" -> "Order History" -> "Seller" -> "Ask a Question" or directly at support@firebatpc.com. Further information may be available on the official website: www.firebatpc.com.

Additional protection plans may be available for purchase, such as 3-Year Protection Plans or Complete Protect monthly plans, offering extended coverage.

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Details

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