Leaderhub LP5C

Leaderhub LP5C Mini PC User Manual

Model: LP5C

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Leaderhub LP5C Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your user experience.

Figure 1: Leaderhub LP5C Mini PC and its retail packaging. The image displays the compact silver mini PC next to its black and teal branded box.

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.

- Leaderhub LP5C Mini PC
- Power Supply & Cable
- HDMI Cable
- User Manual
- VESA Mount with Screws

Figure 2: Contents of the Leaderhub LP5C Mini PC retail box. The image shows the mini PC, power adapter, HDMI cable, user manual, and VESA mount components laid out next to the open box.

3. PRODUCT OVERVIEW

The Leaderhub LP5C Mini PC features a compact design with various ports for connectivity. Familiarize yourself with the port layout for easy setup.

3.1 Front Panel

- **Power Button:** To turn the PC on or off.
- **USB 3.2 Ports (x3):** For connecting peripherals such as keyboards, mice, and external storage.
- **Audio In/Out (3.5mm Jack):** For headphones, speakers, or microphones.

3.2 Rear Panel

- **USB 3.2 Ports (x2):** Additional ports for peripherals.
- **HDMI Ports (x2):** For connecting to displays, supporting up to 4K resolution at 60Hz.
- **LAN (RJ45) Port:** For wired network connection (Gigabit Ethernet).
- **DC/19V Power Input:** Connect the included power adapter here.
- **Heat Vent:** Ensures proper airflow for cooling.

Figure 3: Front and rear port layout of the Leaderhub LP5C Mini PC. The image highlights USB 3.0 ports, 3.5mm audio jack, power button on the front, and USB 3.0, HDMI, LAN, DC/19V, and heat vents on the rear.
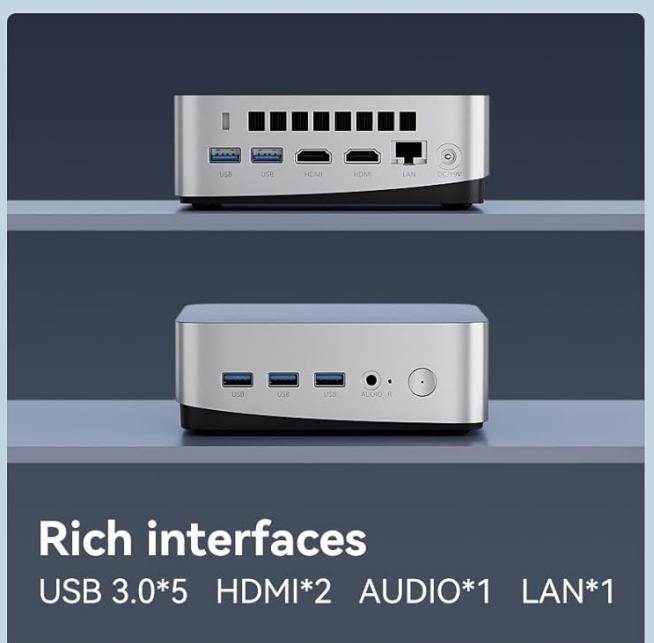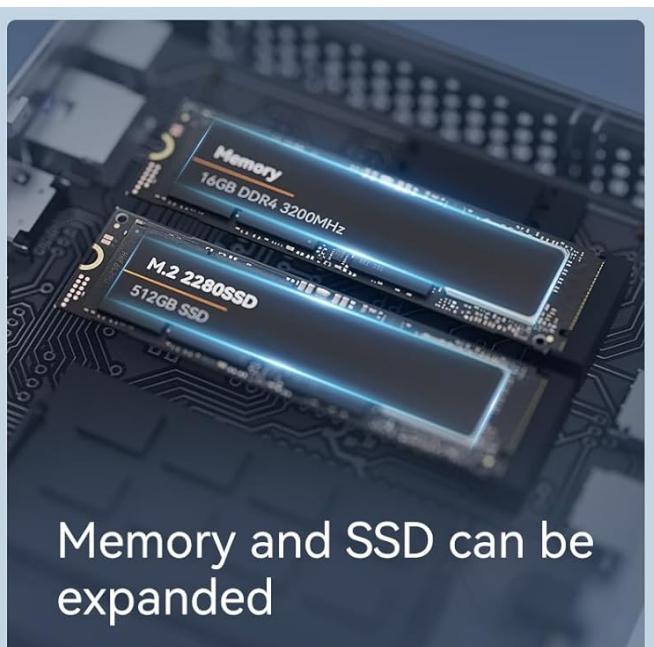
Figure 4: Leaderhub LP5C Mini PC dimensions and rich interfaces. This image illustrates the compact size of the device, its VESA mount compatibility, and a detailed view of its various ports including USB 3.0, HDMI, and Audio.

4. INITIAL SETUP

Follow these steps to set up your Leaderhub LP5C Mini PC for the first time.

1. **Connect Power:** Plug the power adapter into the DC/19V port on the rear of the Mini PC, then plug the power cable into an electrical outlet.

2. **Connect Display:** Use the included HDMI cable to connect your monitor or TV to one of the HDMI ports on the rear of the Mini PC.

3. **Connect Peripherals:** Plug your USB keyboard and mouse into any of the available USB 3.2 ports.

4. **Power On:** Press the power button on the front of the Mini PC. The power indicator light will illuminate.

5. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows 11 Pro operating system setup. This typically involves selecting language, region, and creating a user account.

5. OPERATING INSTRUCTIONS

5.1 Network Connectivity

- **Wired Connection:** Connect an Ethernet cable from your router or modem to the RJ45 LAN port on the rear of the Mini PC.
- **Wireless Connection (Wi-Fi 6):**

    a. Click the Wi-Fi icon in the system tray.

    b. Select your desired Wi-Fi network from the list.

    c. Enter the network password if prompted and click 'Connect'.

5.2 Bluetooth Device Pairing

The Mini PC supports Bluetooth 5.2 for connecting wireless devices.

1. Ensure your Bluetooth device is in pairing mode.

2. On the Mini PC, go to **Settings > Bluetooth & devices > Add device**.

3. Select 'Bluetooth' and choose your device from the list to pair.

Figure 5: Leaderhub LP5C Mini PC advanced wireless connection technologies. The image illustrates the Mini PC's support for Bluetooth and Wi-Fi 6, showing wireless peripherals connected to the device.

5.3 Multi-Display Setup

The LP5C Mini PC supports dual 4K displays via its two HDMI ports.

1. Connect both monitors to the HDMI ports on the rear of the Mini PC.

2. Once Windows loads, right-click on the desktop and select 'Display settings'.

3. From here, you can detect, arrange, and configure your multiple displays (e.g., extend, duplicate).

5.4 Memory and Storage Expansion

The Mini PC's RAM (DDR4) and NVMe SSD storage are expandable. Refer to Figure 4 for a visual representation of the internal components.

- **RAM:** Expandable up to 32GB DDR4.
- **SSD:** Supports NVMe SSDs up to 4TB.

Note: Opening the Mini PC to upgrade components should be done carefully. Consult a professional if you are

unsure.

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 heat vents to ensure optimal airflow.
- Avoid using liquid cleaners directly on the device.

6.2 Heat Dissipation

The Leaderhub LP5C is designed with strong heat dissipation capabilities to ensure stable operation.

Figure 6: Leaderhub LP5C Mini PC strong heat dissipation system. The image shows an exploded view of the Mini PC highlighting its internal cooling fan and airflow paths, indicating efficient heat removal.

To maintain efficient cooling:

- Ensure the Mini PC is placed in a well-ventilated area.
- Do not block the heat vents.
- Avoid placing the device on soft surfaces that can obstruct airflow.

6.3 Software Updates

Regularly update your Windows operating system and drivers to ensure security, performance, and compatibility.

- Go to **Settings > Windows Update** to check for and install updates.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Mini PC.

7.1 No Power

- Ensure the power adapter is securely connected to both the Mini PC and a working electrical outlet.
- Verify the power outlet is functional by plugging in another device.
- Check the power adapter for any visible damage.

7.2 No Display

- Confirm the HDMI cable is securely connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source (e.g., HDMI 1, HDMI 2).
- Try a different HDMI cable or monitor if available.

7.3 Network Connectivity Issues

- **Wired:** Check the Ethernet cable connection. Restart your router/modem.
- **Wireless:** Ensure Wi-Fi is enabled in Windows settings. Verify the Wi-Fi password. Restart your router.

7.4 Peripherals Not Recognized

- Try connecting the peripheral to a different USB port.
- Ensure the peripheral has its own power source if required.
- Check the device manager in Windows for driver issues.

8. TECHNICAL SPECIFICATIONS

Below are the detailed technical specifications for the Leaderhub LP5C Mini PC.

Figure 7: Leaderhub LP5C Mini PC performance overview. The image highlights key performance metrics including CPU, GPU, Memory, and Storage specifications.

Feature	Specification
Brand	Leaderhub
Model	LP5C
Operating System	Windows 11 Pro
Processor	Intel Core i5-12450HX (up to 4.4 GHz)
Graphics	Intel UHD Graphics 770 (Integrated)
RAM	16GB DDR4 SDRAM (Expandable to 32GB)
Storage	512GB NVMe SSD (Expandable up to 4TB)
Display Output	2 x HDMI (Dual 4K @ 60Hz)

Feature	Specification
USB Ports	5 x USB 3.2 Ports
Network	Wi-Fi 6 (802.11ax), Bluetooth 5.2, Gigabit Ethernet (RJ45)
Audio	3.5mm Audio In/Out Jack
Dimensions	Approx. 26.7 x 15.9 x 6.2 cm
Weight	Approx. 1.03 kg

9. WARRANTY AND SUPPORT

Your Leaderhub LP5C Mini PC comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact Leaderhub customer service through the contact information provided on the official Leaderhub website or your purchase documentation.

10. OFFICIAL PRODUCT VIDEOS

No official product videos from the seller were provided in the product data for embedding in this manual.