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FIXED UP FINDS ASM-1900156-21

User Manual

MULTICOMP PRO ASM-1900156-21 DEVELOPMENT BOARD ENCLOSURE FOR RASPBERRY PI

Model: ASM-1900156-21 | Brand: FIXED UP FINDS

1. Introduction

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of the Multicomp Pro ASM-1900156-21 Development Board Enclosure. This enclosure is designed to protect your Raspberry Pi development board, ensuring its durability and providing a secure housing solution.

Please read this manual thoroughly before using the product to ensure proper installation and safe operation.

2. Product Overview

The Multicomp Pro ASM-1900156-21 is a robust enclosure specifically designed for Raspberry Pi development boards. It provides physical protection and helps organize your project setup.



Figure 2.1: Front view of the Multicomp Pro ASM-1900156-21 Development Board Enclosure. This image shows the sleek, black design of the enclosure, highlighting its compact form factor.

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Figure 2.2: The Multicomp Pro ASM-1900156-21 Enclosure with a Raspberry Pi board installed. This view illustrates how the Raspberry Pi fits securely within the enclosure, demonstrating the internal space and connection points.

Key Features:

- Durable construction for enhanced protection.
- Designed for specific Raspberry Pi models (verify compatibility).
- Easy assembly and disassembly.
- Access to all necessary ports and connectors.

3. Setup and Assembly

Follow these steps to properly assemble your development board enclosure and install your Raspberry Pi.

Required Tools:

- Small Phillips head screwdriver (if screws are included/required).

Assembly Steps:

1. **Unpack Components:** Carefully remove all components from the packaging. Verify that all parts are present according to the packing list (enclosure halves, screws, standoffs, etc.).
2. **Prepare Raspberry Pi:** Ensure your Raspberry Pi board is clean and free of debris. Disconnect any peripherals before installation.
3. **Position Raspberry Pi:** Gently place the Raspberry Pi board into the bottom half of the enclosure, aligning the mounting holes on the board with the standoffs or screw posts inside the enclosure.
4. **Secure Raspberry Pi:** If applicable, use the provided screws to secure the Raspberry Pi board to the standoffs. Do not overtighten.
5. **Attach Top Half:** Carefully align the top half of the enclosure with the bottom half, ensuring all ports and openings match the Raspberry Pi's connectors.
6. **Fasten Enclosure:** Secure the two halves of the enclosure together using the remaining screws, typically located on the sides or bottom of the enclosure.
7. **Final Check:** Ensure the enclosure is securely closed and the Raspberry Pi is stable inside.

4. Operating Considerations

Once assembled, the enclosure provides a protective housing for your Raspberry Pi. Operation of the Raspberry Pi itself is independent of the enclosure, but certain considerations apply.

Ventilation:

While the enclosure is designed to protect, ensure adequate airflow around the unit, especially during prolonged operation or under heavy load, to prevent overheating of the Raspberry Pi. Avoid blocking any ventilation slots on the enclosure.

Port Access:

The enclosure provides cutouts for all standard Raspberry Pi ports (USB, Ethernet, HDMI, power, GPIO). Ensure cables are connected firmly but without excessive force.

5. Maintenance

The Multicomp Pro ASM-1900156-21 enclosure requires minimal maintenance to ensure its longevity and continued protection of your Raspberry Pi.

Cleaning:

- Use a soft, dry, lint-free cloth to wipe the exterior of the enclosure.
- For stubborn marks, a slightly damp cloth with mild soap can be used, followed by immediate drying.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the enclosure's finish.
- Ensure the Raspberry Pi is powered off and disconnected from power before cleaning the enclosure.

Inspection:

- Periodically inspect the enclosure for any signs of damage, cracks, or loose screws.
- Ensure all screws remain tightened to keep the enclosure secure.

6. Troubleshooting

This section addresses common issues related to the enclosure itself. For Raspberry Pi specific issues, refer to the Raspberry Pi documentation.

Problem	Possible Cause	Solution
Enclosure not closing properly.	Raspberry Pi not seated correctly; cables obstructing closure; incorrect enclosure orientation.	Ensure the Raspberry Pi is fully seated on its mounting points. Check for any cables or components that might be preventing the halves from aligning. Verify the top and bottom halves are oriented correctly.
Ports not aligning with cutouts.	Raspberry Pi misaligned; incorrect enclosure model for your Pi.	Re-seat the Raspberry Pi, ensuring it is pushed firmly into place and aligned with all internal guides. Confirm that this enclosure model (ASM-1900156-21) is compatible with your specific Raspberry Pi board.
Enclosure feels loose after assembly.	Screws not tightened; missing screws.	Ensure all provided screws are installed and tightened appropriately. Do not overtighten to avoid stripping threads.

7. Specifications

Below are the technical specifications for the Multicomp Pro ASM-1900156-21 Development Board Enclosure.

Attribute	Value
Model Number	ASM-1900156-21
Brand	FIXED UP FINDS (Multicomp Pro)
Compatibility	Raspberry Pi Development Boards (specific models may vary, refer to product listing for details)
Color	Multicolor
Manufacturer	FIXED UP FINDS
ASIN	B0DXGFWQHF
Date First Available	February 17, 2025

8. Warranty Information

Specific warranty details for the Multicomp Pro ASM-1900156-21 enclosure are typically provided by the retailer or manufacturer at the time of purchase. Please refer to your purchase documentation or the product listing on the retailer's website for the most accurate and up-to-date warranty policy.

Generally, warranties cover defects in materials and workmanship under normal use. Damage resulting from misuse, accident, modification, or improper installation is typically not covered.

9. Customer Support

For technical assistance, questions regarding product compatibility, or support related to the Multicomp Pro ASM-1900156-21 Development Board Enclosure, please contact the seller or manufacturer directly.

Refer to your purchase receipt or the product page on the retailer's website for contact information for FIXED UP FINDS or the relevant support channels.

Note: This manual is for the enclosure only. For support related to the Raspberry Pi board itself, please consult the official Raspberry Pi documentation and support resources.

