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JAZZCOOLING LF99

JAZZCOOLING ARGB PWM Fan Hub (Model LF99) Instruction Manual

1. Product Overview

The JAZZCOOLING ARGB PWM Fan Hub (Model LF99) is a versatile 2-in-1 controller designed to manage both fan speed and addressable RGB lighting for up to nine PC fans and LED strips. It features nine 4-pin PWM ports for fan speed control and nine 5V 3-pin ARGB ports for lighting synchronization. Power is supplied via a SATA connector, ensuring stable operation. The hub also includes a magnetic back for convenient installation within your computer case.

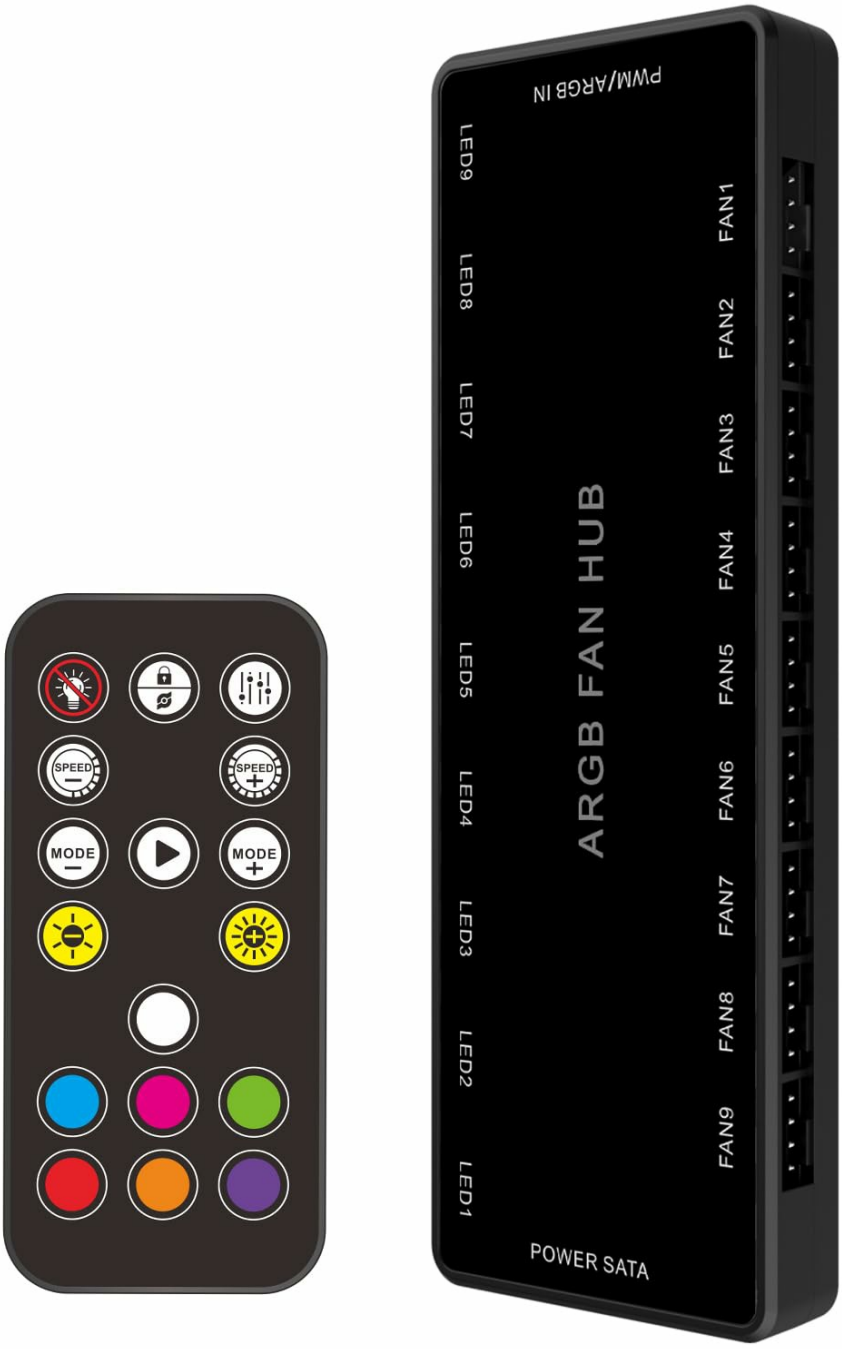


Figure 1: JAZZCOOLING ARGB PWM Fan Hub with included remote control.

2. Setup Instructions

1. **Identify Ports:** Locate the 9 PWM (12V 4-pin) ports and 9 ARGB (5V 3-pin) ports on the hub. Note that the red PWM port should be connected first for proper PWM function.



Figure 2: Detailed view of the hub's PWM and LED ports.

2. **Connect Fans:** Connect your 4-pin PWM fans to the PWM ports on the hub. If using 3-pin fans, they can also be connected, but the PWM speed control function will not be available for those fans.
3. **Connect ARGB Devices:** Connect your 5V 3-pin ARGB fans or LED strips to the ARGB ports on the hub.
4. **Connect SATA Power:** Connect the SATA power cable from your power supply unit (PSU) to the 'POWER SATA' port on the hub. This provides stable power to all connected fans and ARGB devices.



Figure 3: Connecting the SATA power cable to the hub.

5. **Motherboard Synchronization (Optional):** For motherboard ARGB and PWM synchronization, connect the provided sync cable from the hub's 'PWM/ARGB IN' port to the corresponding 5V 3-pin ARGB header and 12V 4-pin CPU_FAN header on your motherboard. **Note:** For PWM function to work via the motherboard, this cable must be connected to the CPU_FAN header.

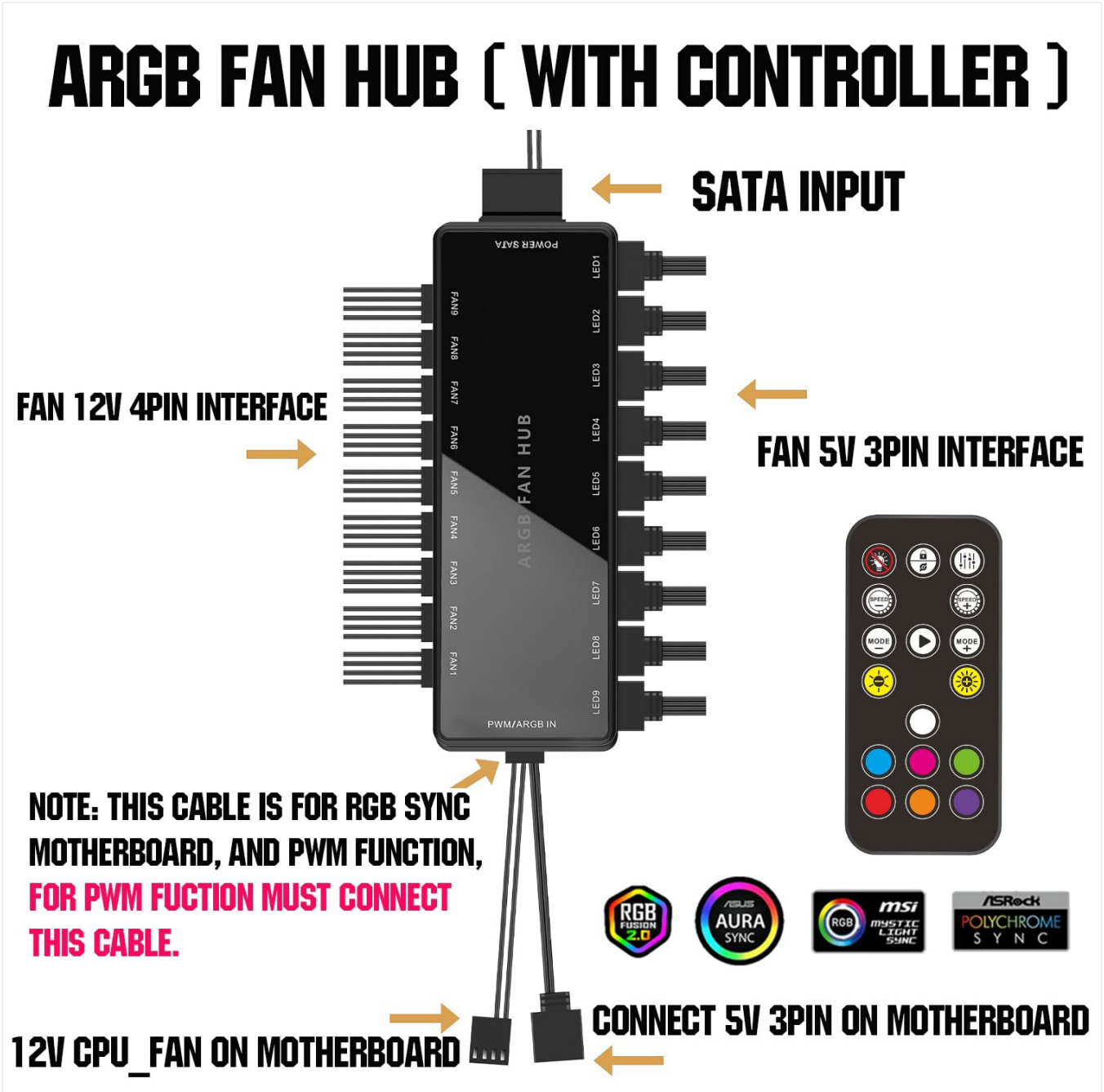


Figure 4: Complete connection diagram for the fan hub.

6. **Mount the Hub:** The hub features a magnetic back for easy attachment to any metal surface inside your PC case, eliminating the need for adhesive tape.



Figure 5: Magnetic back design for convenient placement.

3. Operating Instructions

The ARGB PWM Fan Hub can be controlled via the included remote control or synchronized with your motherboard's ARGB software (if connected). The remote allows for various lighting effects, colors, and speed adjustments.

3.1 Remote Control Functions

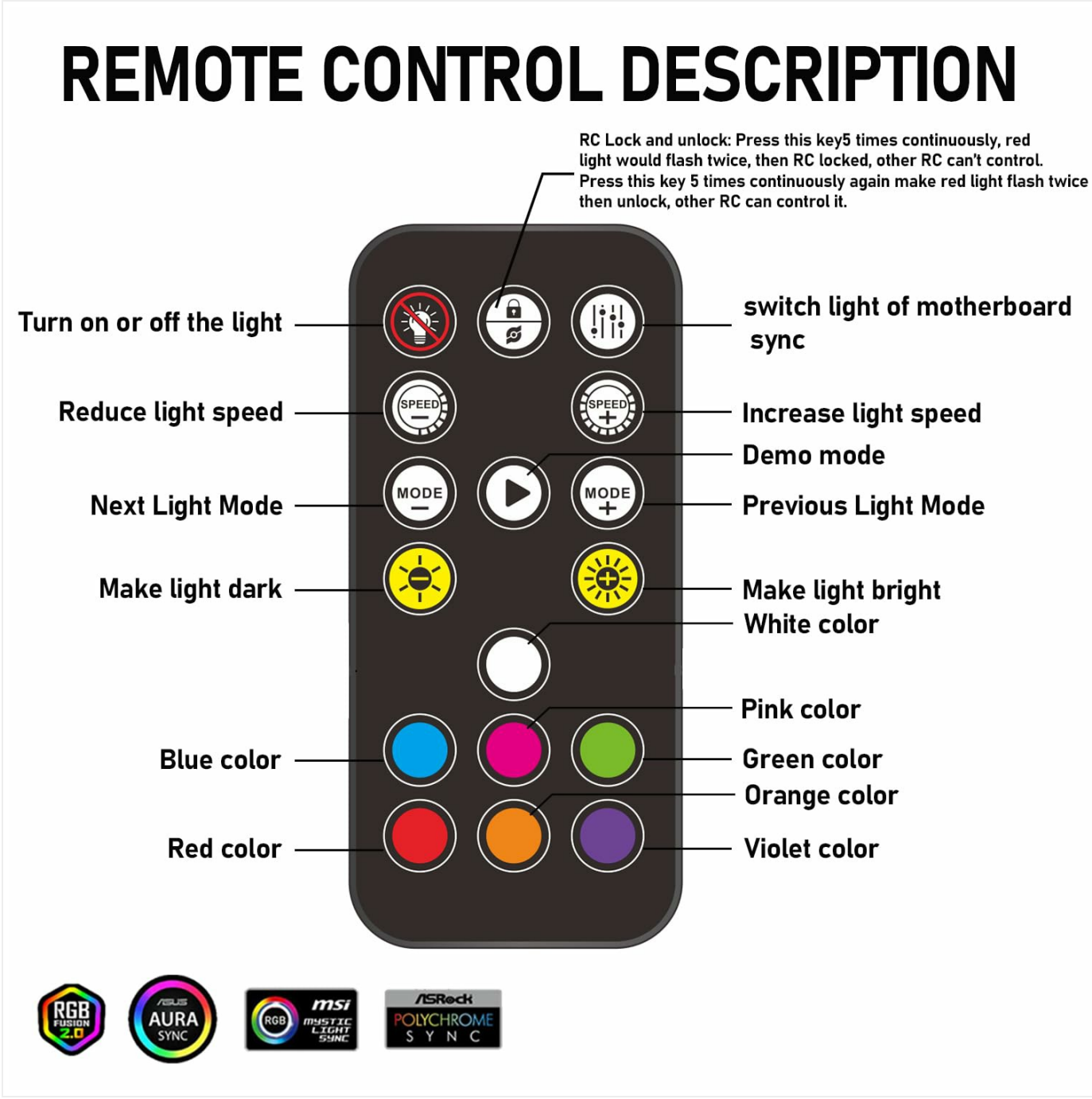


Figure 6: Remote control button layout and functions.

- **Power Button:** Turn ARGB lights on or off.
- **Motherboard Sync Button:** Switch between remote control and motherboard synchronization for lighting.
- **Speed +/-:** Adjust the speed of dynamic lighting effects.
- **Mode +/-:** Cycle through different lighting modes/effects.
- **Brightness +/-:** Adjust the brightness of the ARGB lighting.
- **Color Buttons:** Select static colors (Red, Green, Blue, White, Pink, Orange, Violet, etc.).
- **RC Lock/Unlock:** Press this key 5 times continuously. Red light flashes twice to indicate locked/unlocked status. When locked, the remote cannot control the lights.

3.2 Initial Light Activation

If the ARGB lights do not turn on immediately after connecting, press the "light on/off key" or the "light Signal switching key" on the remote control to activate them.

3.3 Demonstration Video

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Video 1: Demonstration of ARGB lighting effects and remote control functionality with the JAZZCOOLING fan hub.

4. Maintenance

To ensure optimal performance and longevity of your ARGB PWM Fan Hub, follow these general maintenance guidelines:

- **Keep Clean:** Periodically clean the hub and surrounding area within your PC case to prevent dust buildup, which can affect performance and heat dissipation. Use compressed air or a soft brush.
- **Check Connections:** Ensure all fan, ARGB, and power cables are securely connected to the hub and motherboard. Loose connections can lead to intermittent operation or component failure.
- **Avoid Liquid Contact:** Keep the hub away from liquids to prevent electrical damage.

5. Troubleshooting

- **Fans or Lights Not Working:**
  - Ensure the SATA power cable is securely connected to both the hub and the PSU.
  - Verify that all fan and ARGB cables are correctly plugged into the hub.
  - If lights are off, try pressing the "light on/off key" or "light Signal switching key" on the remote control.
  - If using motherboard sync, ensure the sync cable is properly connected to the motherboard's 5V 3-pin ARGB header and the motherboard software is configured correctly.
- **PWM Function Not Working:**
  - Ensure the motherboard sync cable is connected to the 12V 4-pin CPU_FAN header on your motherboard.
  - Confirm that the fan connected to the red PWM port is a 4-pin PWM fan.
  - Check your motherboard's BIOS/UEFI settings for fan control configurations.
- **Remote Control Not Responding:**
  - Check if the remote control is locked. Press the RC Lock/Unlock key 5 times continuously to toggle its status.
  - Ensure there are no obstructions between the remote and the hub's receiver.
  - Replace the remote control battery if necessary.

6. Specifications

Feature	Specification
Model	LF99
Product Dimensions (L x W x H)	5.7" x 1.96" x 0.62"
Power Connector Type	SATA
Fan Ports	9 (12V 4-Pin PWM)
LED Ports	9 (5V 3-Pin ARGB)

Feature	Specification
Voltage	12 Volts (PWM), 5 Volts (ARGB)
Cooling Method	Forced Air (via connected fans)
Compatible Devices	Desktop PCs
Material	Plastic
Item Weight	3.36 ounces

7. Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact JAZZCOOLING customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

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