

Ocypus Delta EH10

Ocypus Delta EH10 Fan Hub with Remote Controller Instruction Manual

Model: Delta EH10

1. PRODUCT OVERVIEW

The Ocypus Delta EH10 Fan Hub is designed to expand your PC case's fan and ARGB lighting control capabilities. It supports up to 10 PWM fans for synchronized speed control and 10 5V 3-pin ARGB devices for customizable lighting effects. Featuring smart circuit protection, a magnetic mounting design, and stable SATA power input, this hub offers a compact and reliable solution for managing your PC's cooling and aesthetics.

Key Features:

- **10-Port PWM Fan Hub Expansion:** Each port features PWM functionality for synchronized fan speed control. Note: PWM fan speed is read only from the white FAN 1 port.
- **10-Port ARGB Controller Expansion:** Features 10 ARGB output ports to create personalized lighting effects. **Important Compatibility Note:** This ARGB hub must be used with a motherboard supporting 5V 3-pin ARGB functionality. It does NOT support 12V 4-pin RGB headers.
- **19-Key Remote Control:** The EH10 Pro controller comes with a 19-key remote control, enabling control of ARGB fan light on/off, light speed, brightness, ARGB light modes, and single-color lighting.
- **Smart Circuit Safety Protection:** Each ARGB output port features individual short-circuit and overload protection. If incorrectly connected, only the affected port will be disabled, preventing damage to your motherboard and connected devices.
- **Stable SATA Power Input:** Even when all 10 ports are fully loaded, the hub maintains stable output. It comes with a SATA power supply interface, directly powered by the power SATA plug, ensuring a reliable and consistent power supply.
- **Magnetic Easy Installation:** Featuring a magnetic design, the hub can be easily attached to the interior of your computer case for convenient storage. No complex tools or skills are required.
- **Ultra-Compact Design:** With dimensions of 97×58.5×15.8mm (L×W×H), this fan hub features a compact design that can be effortlessly hidden inside your PC case.

2. SETUP AND INSTALLATION

2.1 Package Contents

Before beginning installation, ensure all components are present:

- Ocyplus Delta EH10 Fan Hub
- PWM Control Cable
- ARGB Data Cable
- 19-Key Remote Control
- SATA Power Cable



Image: The Ocyplus Delta EH10 Fan Hub, its remote control, and packaging, illustrating its compact size and included accessories.

2.2 Connecting the Hub

1. **Connect PWM Control Cable:** Plug one end of the included PWM control cable into the hub's "PWM IN" port.
2. **Connect ARGB Data Cable:** Plug one end of the included ARGB data cable into the hub's "ARGB IN" port.
3. **Connect SATA Power:** Connect the SATA power cable to the hub's "POWER" port and to a SATA power connector from your power supply unit (PSU). This provides stable power to all connected fans and ARGB devices.
4. **Connect Fans to Hub:**
 - For PWM speed control, plug the fan's PWM wire into the hub's white "FAN1" port. Other fan ports will synchronize with FAN1's speed.
 - Plug the ARGB wires from your fans or other ARGB devices into the hub's ARGB ports (ARGB 1-10). Ensure correct orientation to avoid damage.
5. **Connect Hub to Motherboard:**
 - Plug the other end of the ARGB data cable into your motherboard's 5V 3-pin ARGB interface. **Do not connect to a 12V 4-pin RGB header.**
 - Plug the other end of the PWM control cable into your motherboard's CPU_FAN or a dedicated FAN interface.

2.3 Visual Guide for Connections



Smart Safety Overcurrent Protection

- For Fan Ports: The fan port auto shuts off power on short circuit/overload. (3.5A Safety Current)
- For ARGB Ports: The ARGB ports offer protection on an individual port. (2A Each Port Safety Current)



Image: Diagram illustrating the connection points for PWM, ARGB, and SATA power on the Delta EH10 hub.



Image: Close-up view of the Ocybus Delta EH10 Fan Hub, highlighting the 10 ports for 12V 4-Pin PWM fans and 10 ports for 5V 3-Pin ARGB light control, along with compatibility logos for various motherboard sync technologies.

2.4 Installation Video

Video: A detailed demonstration of connecting the Ocybus Delta EH10 Fan Hub, including PWM and ARGB cables to the hub and motherboard, and SATA power. This video shows the physical connection process for the fan hub.

3. OPERATION

3.1 Remote Control Functions

The included 19-key remote control allows for direct management of ARGB lighting and fan speed. Ensure the hub is powered on for remote functionality.

*Delta EH10 PRO

Support Remote Control

Equipped with a remote, supporting both remote control and motherboard Sync operation modes.

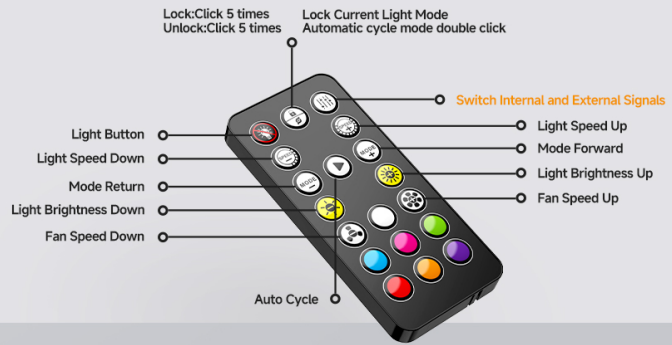


Image: Diagram of the 19-key remote control, detailing buttons for light on/off, light speed adjustment, brightness control, mode selection (forward/return/auto cycle), and fan speed adjustment. It also shows how to lock/unlock the current light mode and switch between internal and external signals.

- **Light Button:** Toggles ARGB lighting on/off.
- **Light Speed Up/Down:** Adjusts the speed of dynamic lighting effects.
- **Light Brightness Up/Down:** Controls the intensity of the ARGB lighting.
- **Mode Forward/Return:** Cycles through available ARGB lighting modes.
- **Auto Cycle:** Initiates an automatic cycle through all lighting modes.
- **Fan Speed Up/Down:** Adjusts the fan speed (if not controlled by motherboard PWM).
- **Switch Internal and External Signals:** This button allows switching between remote control (internal) and motherboard software (external) for lighting synchronization.
- **Lock Current Light Mode:** Click 5 times to lock the current lighting mode.
- **Unlock Current Light Mode:** Click 5 times to unlock the current lighting mode.

3.2 Motherboard Synchronization

For advanced control, connect the ARGB data cable to a compatible 5V 3-pin ARGB header on your motherboard. Use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light, ASRock Polychrome, Gigabyte RGB Fusion) to customize lighting effects. Ensure the remote control is set to external signal mode for motherboard control.

4. MAINTENANCE

The Ocybus Delta EH10 Fan Hub requires minimal maintenance. Periodically inspect all cable connections to ensure they are secure. Keep the hub free from dust accumulation to maintain optimal performance and prevent overheating. Use a soft, dry cloth for cleaning the exterior.

5. TROUBLESHOOTING

Common Issues and Solutions

Issue	Possible Cause	Solution
-------	----------------	----------

Issue	Possible Cause	Solution
ARGB lights not working or incorrect colors.	<ul style="list-style-type: none"> • Incorrect ARGB header connection (e.g., connected to 12V 4-pin RGB). • Loose ARGB data cable connection. • Remote control set to internal signal instead of motherboard sync. • Motherboard does not support 5V 3-pin ARGB. 	<ul style="list-style-type: none"> • Ensure the ARGB data cable is connected to a 5V 3-pin ARGB header on the motherboard. Do NOT connect to 12V 4-pin RGB. • Verify all ARGB cable connections are secure. • Use the remote control to switch to external signal mode for motherboard control. • Confirm your motherboard supports 5V 3-pin ARGB.
Fans not spinning or incorrect speed.	<ul style="list-style-type: none"> • Loose PWM control cable connection. • SATA power cable not connected or loose. • Fan PWM wire not connected to the white "FAN1" port for speed reading. 	<ul style="list-style-type: none"> • Check that the PWM control cable is securely connected to the hub and the motherboard. • Ensure the SATA power cable is firmly connected to the hub and the PSU. • Verify the primary fan's PWM wire is connected to the white "FAN1" port on the hub.
Hub not powering on.	<ul style="list-style-type: none"> • SATA power cable not connected or faulty. • PSU issue. 	<ul style="list-style-type: none"> • Ensure the SATA power cable is correctly and securely connected to the hub and a working SATA power connector from your PSU. • Test with a different SATA power connector or PSU if available.

Important Note: Please distinguish between the 5V 3-pin ARGB connector and the 12V 4-pin PWM connector. Before insertion, ensure the device plug aligns with the corresponding pins on the connector. Incorrect orientation may damage your ARGB device or the hub itself. For any questions, please contact our after-sales support team.

6. SPECIFICATIONS

Feature	Detail
Model Number	Delta EH10
Brand	Ocybus
Product Dimensions (L x W x H)	97 x 58.5 x 15.8 mm (3.82 x 2.30 x 0.62 inches)
Weight	90 g
PWM Fan Ports	10 (FAN1 reads speed, others sync)
ARGB Ports	10 (5V 3-pin ARGB compatible)
Power Connector Type	SATA
Cooling Method	Forced Air (via connected fans)
Compatible Devices	Desktop PCs
ARGB Port Safety Current	2A Each Port
Fan Port Safety Current	3.5A

Feature	Detail
Remote Control	19-key (1 CR2 battery included)
Mounting	Magnetic
Country of Origin	China

7. WARRANTY AND SUPPORT

The Ocybus Delta EH10 Fan Hub comes with a **1-Year Warranty** from the date of purchase.

For technical support, warranty claims, or any product-related inquiries, please contact Ocybus customer service:

- **Email:** support@ocybus.com
- **Manufacturer:** Beijing Ocybus Technology Co., Ltd.
- **Address:** Room 407-408, Building 1, No. 39 Linfeng Second Road, Haidian District, Beijing 100095, China