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› JOYJOM 16Pin GPU Cable to 3x8 Pin PCIe Extension (Type A) Instruction Manual

JOYJOM 1 to 3 Type A

JOYJOM 16Pin GPU Cable to 3x8 Pin PCIe Extension (Type A) Instruction Manual

Model: 1 to 3 Type A | Brand: JOYJOM

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1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your JOYJOM 16Pin GPU Cable to 3x8 Pin PCIe Extension (Type A). This cable is designed to provide stable power delivery to high-end graphics cards such as the RTX 3090 Ti, 4070 Ti, 4090, and 4080 series, which require a 16-pin 12VHPWR connector. Please read this manual thoroughly before use to ensure optimal performance and safety.

2. SAFETY INFORMATION

- Always ensure your power supply unit (PSU) has sufficient wattage and available 8-pin PCIe connectors to support your graphics card and this adapter. This extension cable requires **three unoccupied 8-pin PCI-e ports** on your power supply.
- Do not attempt to connect fewer than three 8-pin connectors to your power supply, as this will prevent proper function and may cause damage.
- Ensure all connections are firm and fully seated to prevent loose contacts, which can lead to overheating or system instability.
- Avoid excessive bending or straining of the cable, especially near the connectors, to prevent damage to the internal wires and insulation.
- Keep the cable away from sources of extreme heat or moisture.
- If you are unsure about any installation steps, consult a qualified technician.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package.

- 1x JOYJOM 16 Pin to 3x8 Pin Power Adapter with Black Sleeved Cable (15CM length)



Image: The JOYJOM 16 Pin to 3x8 Pin Power Adapter cable. This image shows the overall design of the cable, featuring the 16-pin connector on one end and three 8-pin PCIe connectors on the other, all encased in black sleeving.

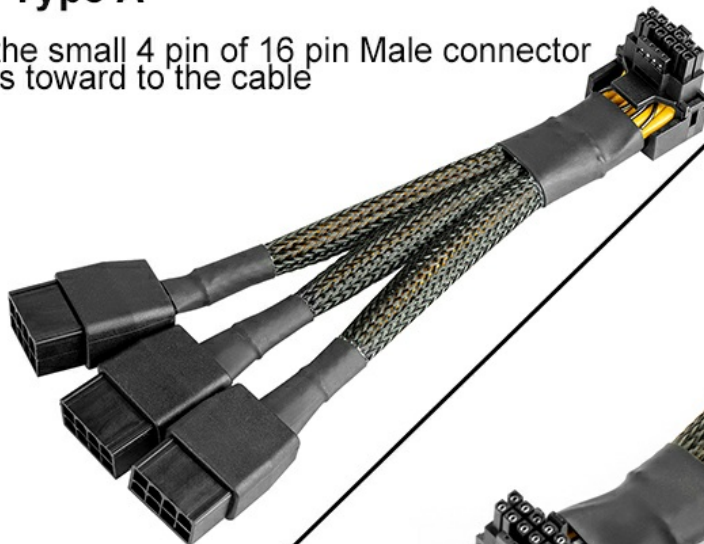
4. SETUP AND INSTALLATION

Follow these steps to correctly install your GPU power extension cable:

1. **Power Off System:** Before beginning installation, ensure your computer is completely powered off and unplugged from the wall outlet.
2. **Open PC Case:** Carefully open your PC case to access the graphics card and power supply.
3. **Identify GPU 16-Pin Connector:** Locate the 16-pin 12VHPWR power connector on your graphics card.
4. **Choose Correct Cable Type (Type A or Type B):** The JOYJOM 16-pin cable comes in two orientations: Type A and Type B. It is crucial to select the correct type based on your GPU's 16-pin connector orientation to prevent cable strain and ensure proper fit.
 - **Type A:** The small 4-pin section of the 16-pin male connector is oriented towards the cable. This is typically used when the GPU's 16-pin connector is parallel to the cooler, or if the small 4-pin is on the GPU backplate side.
 - **Type B:** The small 12-pin section of the 16-pin male connector is oriented towards the cable. This is typically used when the GPU's 16-pin connector is deeply recessed, or if the small 4-pin is on the GPU cooler side.

Type A

the small 4 pin of 16 pin Male connector is toward to the cable



Type B

the small 12 pin of 16 pin Male connector is toward to the cable

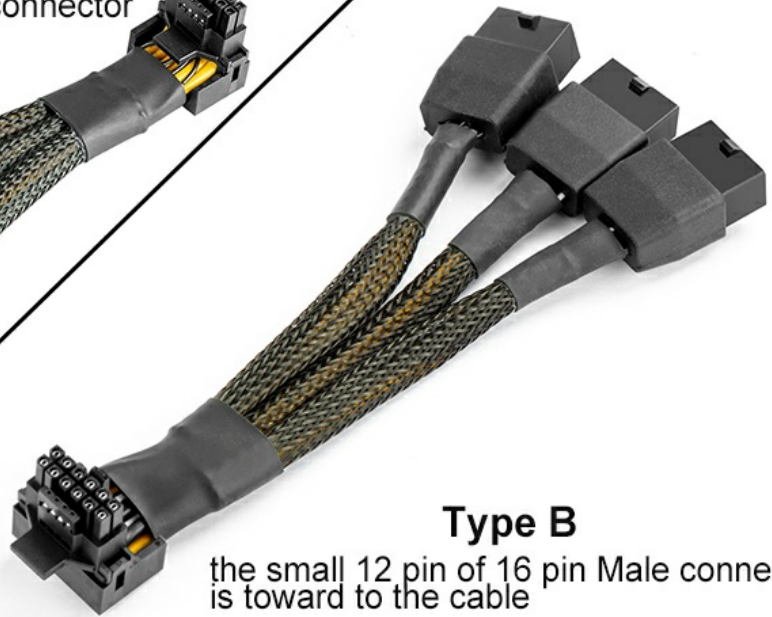


Image: This image illustrates the physical difference between Type A and Type B 16-pin GPU power cables, showing how the 90-degree bend affects the orientation of the connector.

1. Both A and B will work

If the 16pin connector is parallel to the cooler, both types will work, just select the corresponding type according to the needs of the cable up or downward

2. Only Type A will work

If the 16pin connector is too deeply recessed, the cable can only go upward (can't go down, because the cooler of GPU will block the cable)

If the small 4pin is on the GPU backplate side, choose Type A

3. Only Type B will work

If the small 4pin is on the GPU cooler side, choose Type B



Image: A visual guide demonstrating how to choose between Type A and Type B cables based on the GPU's 16-pin connector position relative to the cooler and backplate. It shows scenarios where both types work, only Type A works, or only Type B works.

- 5. Connect to GPU:** Firmly plug the 16-pin connector of the JOYJOM extension cable into the corresponding port on your graphics card. Ensure it clicks into place and is fully seated.
- 6. Connect to PSU:** Connect the three 8-pin PCIe connectors from the extension cable to three unoccupied 8-pin PCIe ports on your power supply unit. Each 8-pin connector must be used. Do not leave any unconnected.
- 7. Cable Management:** Route the cable neatly within your PC case to avoid obstructing airflow or interfering with other components. The 90-degree right-angle design helps manage cables in tight spaces.

8. **Close PC Case:** Once all connections are secure, close your PC case.
9. **Power On System:** Plug your computer back into the wall outlet and power it on.

Installation Video Guide

Your browser does not support the video tag.

Video: An official video demonstrating the JOYJOM GPU Power Cable. This video provides a visual guide to the product and its features, which can assist with understanding the installation process.

5. OPERATION

Once installed, the JOYJOM 16Pin GPU Cable operates passively, extending the power connection from your PSU to your GPU. Its primary function is to ensure stable and reliable power delivery to your high-performance graphics card. No user interaction is required beyond proper installation.

- The cable is designed to support up to 600W output, suitable for demanding graphics cards.
- The 16AWG tinned copper wire construction ensures efficient power transfer and durability.
- The 90-degree right-angle connector helps reduce cable bending stress and allows for cleaner cable management in compact PC cases.

6. MAINTENANCE

The JOYJOM GPU power cable requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Regular Inspection:** Periodically check the cable and its connectors for any signs of wear, fraying, or damage. Ensure connections remain secure.
- **Cleaning:** If necessary, gently clean the cable with a dry, lint-free cloth. Do not use liquid cleaners or solvents. Ensure the system is powered off and unplugged before cleaning.
- **Avoid Stress:** Do not pull on the cable to disconnect it; always grasp the connector housing. Avoid sharp bends or kinks in the cable.

7. TROUBLESHOOTING

If you encounter issues with your JOYJOM GPU power cable, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Graphics card not powering on or system not booting.	Loose connection.	Ensure all 16-pin and 8-pin connectors are fully seated and secure.
	Insufficient power from PSU.	Verify your PSU meets the wattage requirements for your GPU and system.
	Incorrect cable type (A/B) for GPU.	Double-check that you have selected the correct Type A or Type B cable for your GPU's orientation.
	Not all three 8-pin connectors are plugged into PSU.	Confirm all three 8-pin PCIe connectors are plugged into the PSU.
System instability, crashes, or performance issues.	Intermittent power delivery.	Check all connections for looseness.
	Overheating due to poor cable management.	Ensure proper airflow within the case and that cables are not blocking fans.
Red LED warning light on GPU (if applicable).	Indicates a power issue or incorrect connection.	Refer to your GPU's manual for specific LED warnings.
		Re-seat all power connections.
		Verify PSU capacity and connections.

8. SPECIFICATIONS

Model Number	1 to 3 Type A
Brand	JOYJOM
Connector Type	16-Pin (12+4Pin) Male to 3x 8-Pin (6+2Pin) Female PCIe
Cable Type	PCIe 5.0 12VHPWR Extension Cable
Wire Gauge	16AWG Tinned Copper Wire
Maximum Wattage	600W
Maximum Voltage	12 Volts
Cable Length	15 cm (approximately 5.9 inches)
Special Feature	90-Degree Right Angle Connector, Black Sleeved
Compatible Devices	Personal Computers with RTX 3090 Ti, 4070 Ti, 4080, 4090 Graphics Cards
Product Dimensions	0.39 x 0.39 x 0.19 inches (approximate, for connector)
Item Weight	2.08 ounces (0.06 Kilograms)

9. WARRANTY AND SUPPORT

JOYJOM products are manufactured to high-quality standards. For specific warranty information, please refer to the product packaging or the official JOYJOM website. If you encounter any issues or require technical assistance, please contact JOYJOM customer support through the retailer where the product was purchased or via the contact information provided on the official brand website. For further information, you may also visit the product detail page on [Amazon.com](#).

