

DC Input Module 5V with DC Jack and Switch for Breadboard

If you are working on electronics projects, prototyping circuits, or experimenting with microcontrollers and sensors, having a **reliable and regulated power supply** is absolutely essential. The **DC Input Module 5V with DC Jack and Switch for Breadboard** is designed specifically to make powering your breadboard projects easier, safer, and more efficient. Compact in size yet powerful in performance, this module ensures your circuits run smoothly with a clean and stable **5V DC output**.

Unlike messy setups with multiple wires and adapters, this power module plugs directly onto a **standard breadboard**, reducing wiring complexity and providing a neat, hassle-free power solution. With its **onboard power switch**, you can easily turn your circuit ON or OFF without disconnecting cables, making it perfect for both beginners and advanced electronics enthusiasts.

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Key Features of the DC Input Module 5V for Breadboards

- **Stable Regulated 5V Output**
The module delivers a consistent and regulated **5V DC output**, making it suitable for sensitive electronic components such as microcontrollers, sensors, and small modules.

- **DC Barrel Jack Input**
Equipped with a **5.5mm x 2.1mm DC barrel jack**, the module allows you to connect standard DC power adapters quickly and securely.
- **Onboard ON/OFF Switch**
Forget about pulling out cables every time you need to cut the power—simply toggle the switch to control your circuit with ease.
- **Compact and Breadboard-Friendly Design**
With dimensions of just **51mm x 13mm**, this module fits perfectly on a standard breadboard without taking up excessive space, leaving you plenty of room for your project components.
- **Reliable Current Supply**
The module supports an output current of up to **700mA – 1A**, making it suitable for most low-power electronic applications and prototyping setups.

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DC Input Module 5V with

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Specifications

Specification	Details
Product Type	DC Input Power Module for Breadboard
Input Voltage	5V DC

Specification	Details
Output Voltage	Regulated 5V DC
Output Current	Up to 700mA – 1A
Connector Input Type	DC Barrel Jack + Breadboard Pin Headers
DC Plug Size	5.5mm x 2.1mm
Onboard Switch	Yes, ON/OFF power control
Compatibility	Standard breadboards and prototyping circuits
Dimensions (L x W)	51mm x 13mm
Applications	Powering microcontrollers, sensors, modules

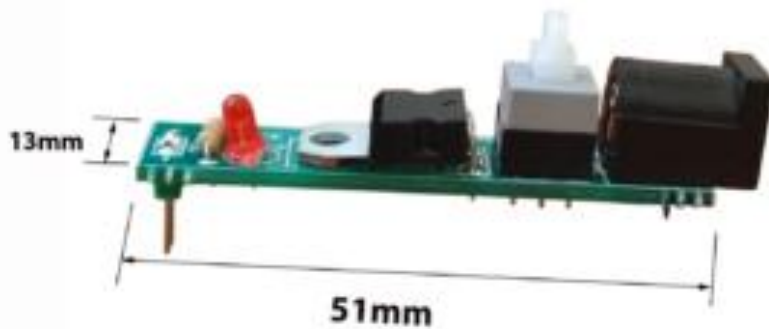
Why Choose the DC Input Module 5V with Switch?

When working on electronics, having a stable power source can be the difference between a successful project and hours of troubleshooting. Many beginners face issues with loose connections, unstable voltage, or complicated wiring. This **breadboard power module** solves those problems by offering:

- A **plug-and-play design** that saves time in wiring.
- **Built-in safety** with a regulated output to protect your components.
- An **integrated power switch** that adds convenience during development.
- A **compact footprint** that doesn't interfere with your breadboard layout.

Whether you are building an **Arduino project**, designing sensor-based circuits, or testing communication modules, this power supply module ensures that you have a dependable and steady **5V power source** every time.

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DC Input Module 5V with
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Applications

The **DC Input Module 5V with DC Jack and Switch** is extremely versatile and widely used in electronics labs, classrooms, and prototyping environments. Some common applications include:

- **Powering microcontrollers** such as Arduino, ESP8266, ESP32, and Raspberry Pi Pico.
- **Supplying sensors** like temperature sensors, ultrasonic sensors, and gas detection modules.
- **Running small modules** such as WiFi, Bluetooth, or relay modules.
- **Electronics prototyping and testing** for students, hobbyists, and engineers.
- **DIY projects and robotics**, where stable low-voltage power is critical.

Benefits for Students, Hobbyists, and Professionals

- **For Students:** This module makes electronics experiments simpler and safer, allowing you to focus on learning instead of worrying about unstable power.
- **For Hobbyists:** It reduces clutter and wiring, making your breadboard projects look neat and professional.

- **For Professionals:** Provides reliable performance in prototype testing and circuit validation, ensuring accurate results.

Conclusion

The **DC Input Module 5V with DC Jack and Switch for Breadboard** is the perfect choice for anyone looking for a **compact, reliable, and user-friendly power solution** for breadboard projects. With its regulated **5V output**, **easy connectivity**, and **onboard switch**, it simplifies your prototyping experience and ensures your electronic circuits receive clean and stable power.

Whether you are a beginner just starting in electronics or a professional working on advanced prototypes, this power module will quickly become an essential part of your toolkit.

☞ Upgrade your breadboard projects today with the **DC Input 5V Module** and experience the convenience of stable, reliable power at your fingertips.