

User Manual

Switch
DX-1024G

DEXP

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Dear Customer,

Thank you for choosing our products.

We are pleased to offer you appliances and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the device, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

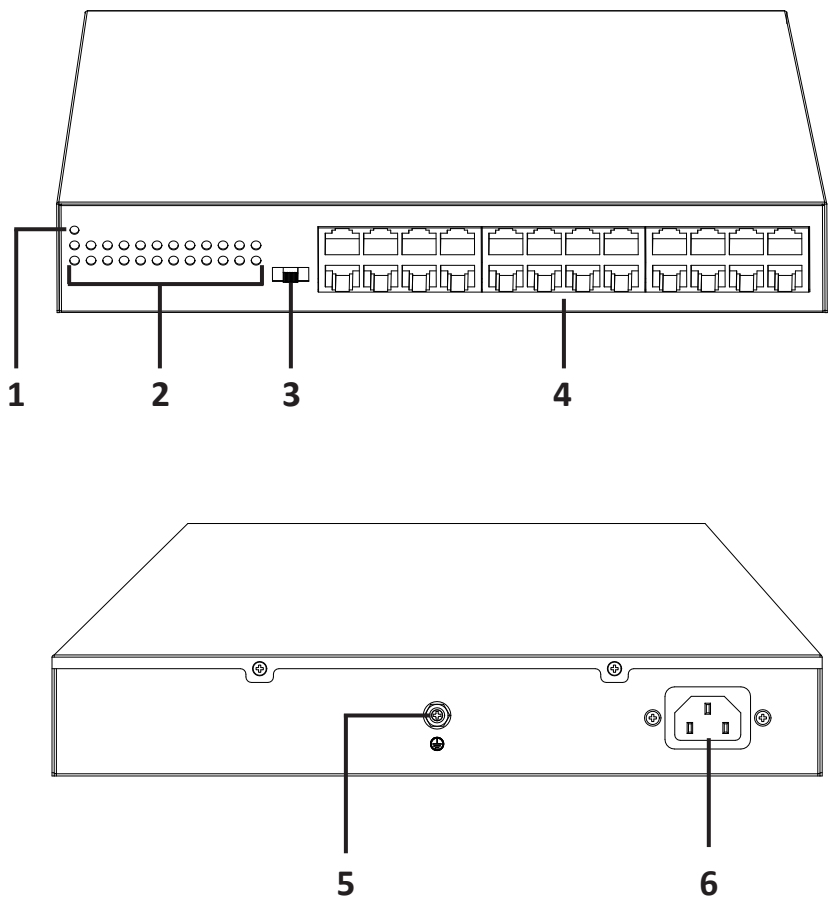
Intended Use

A switch is a device designed to connect multiple nodes of a computer network within one or more network segments.

Safety Precautions

- Before plug in, make sure that the voltage of your home power source corresponds to the devices specifications.
- Plug the device only into a grounded outlet. The power outlet must be easily accessible to disconnect the device in an emergency.
- Use the device exclusively for the purposes described in this manual.
- The manufacturer is not responsible for any radio or television interference caused by unauthorized modifications to this device.
- This device generates, uses, and radiates radio frequency energy. If it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.
- Immediately unplug the device if it malfunctions, or if the power cord or plug is damaged. Contact an authorized service center.
- Do not disassemble the device yourself to avoid electric shock as well as loss of warranty rights. This device contains no user-serviceable parts. Maintenance and repairs should only be performed by qualified technicians at an authorized service center.
- To prevent excessive radiation, it is recommended to use a shielded RJ45 cable.
- This device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the device.
- This device is not intended for commercial use.

Device Diagram



- 1. Power indicator.
- 2. Port status indicators.
- 3. Mode switch.
- 4. Ports.
- 5. Grounding contact.
- 6. Power connector.

Installation

CAUTION:

- Place the device only on a stable, level surface to prevent damage from falling.
- Before connecting to the power source, ensure that the mains power characteristics match those specified on the device.
- Ensure the selected location is well-ventilated. Proper heat dissipation is necessary to prevent overheating.
- Ensure that the furniture on which the device is placed can support the weight of the switch and its accessories.

Desktop Installation

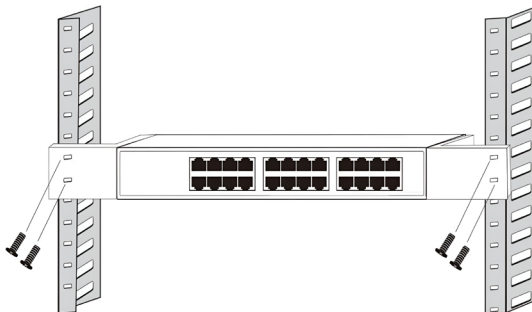
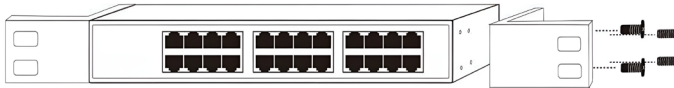
If installing the switch on a desk, attach the four rubber feet (included) to the four corners on the underside of the device — they help absorb vibration. Then turn it over and place it on a sufficiently spacious, flat, and clean work surface.

Leave enough ventilation space between the device and surrounding objects.

Installation in a Telecommunications Rack

The switch can be mounted in a standard 19-inch telecommunications rack. To do this:

1. Using the screws supplied in the kit, attach the mounting brackets to both sides of the switch, as shown in the diagram.
2. Mount the switch in the rack and tighten the screws to secure it in place.



Operating Instructions

1. Connect the switch to the power source: insert one end of the supplied power cable into the connector on the back panel of the device, and the other end into an electrical outlet. It is recommended to use a single-phase outlet with a three-wire cable or a professional outlet for connecting network equipment. Ground the device by connecting the ground wire to the grounding contact.
2. Ensure that the power indicator on the front panel lights up green.
3. Connect devices (e.g., a computer) to the switch using twisted-pair cable: connect one end of the network cable to the RJ-45 port on the computer, and the other end to any port on the switch. On successful connection, the corresponding port indicator will light up.

Note: It is recommended that the distance between the switch and connected devices does not exceed 100 m, as greater distances may affect transmission stability.

LED Indicator Status

Indicator	Label	Status	Description
Power	PWR	Off	No power
		Solid green	Power on
Port connection	1–24	Off	No connection
		Solid orange	Device connected, data transmission possible at 10/100 Mbps
		Flashing orange	Data transmission at 10/100 Mbps in progress
		Solid green	Device connected, data transmission possible at 1000 Mbps
		Flashing green	Data transmission at 1000 Mbps in progress

Operating Modes

Mode switching is performed using the switch on the front panel of the device, according to the labels on the panel:

Mode	Description
Normal	Traffic is transmitted between all switch ports, Flow Control function is enabled
Flow control Off	Traffic is transmitted between all switch ports, Flow Control function is disabled
Isolation	Traffic is not transmitted between ports 1 to 22, but each of them can exchange traffic with ports 23 and 24
Port Aggregate	Ports 23 and 24 are aggregated

Specifications

- Model: DX-1024G.
- Trademark: DEXP.
- Power supply (output): 100–240 V ~ 50–60 Hz.
- Supported protocols: IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3az.
- Ports: 24 × 10/100/1000 Mbps.
- Jumbo Frame: 15 KB.
- Packet forwarding rate: 35.7 Mpps.
- MAC address table: 8K.
- Switching capacity: 48 Gbps.
- Power LED indicator: Green.
- LED indicator for each port:
 - 0M/100M Link/ACT — orange.
 - 1000M Link/ACT — green.
- Dimensions: 280 × 180 × 44 mm.
- Scope of application: Domestic.
- Package contents: switch, rubber feet (4 pcs.), mounting brackets (2 pcs.), screws (8 pcs.), power cord, user manual.

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- This device requires no assembly or mounting.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported in a dry place.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 18 months

Service Life: 36 months

For the up-to-date list of authorized service centers, please visit:

<https://www.dns-shop.ru/service-center/>

Additional Information

Manufacturer: Hunan Fullriver High Technology Co.,Ltd.

Zone B, Ceramics Science and Technology Industrial Park, Liling City, Zhuzhou City, Hunan Province, P.R.China.

Made in China.

The product meets the requirements of the technical regulations of the TR CU (EAEU).

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.

Production date (mm.yyyy): _____ v.1



