

Please read the product instructions carefully before
installing and using the product

DHQ series
operating instruction

Nanjing Dihuai Electronic Technology
Co. , LTD

version number:
Publication date: July 26, 2024

Safety warning

Unable to confirm the operating status of the controlled equipment!

The user must be familiar with the working characteristics of the controlled object, and fully understand the location and use method of the various safety devices, including the emergency stop device!

The underground use of this product must strictly abide by the relevant provisions of the "coal mine safety regulations"!

- Do not use the battery as specified in the instruction manual!**
- No charging underground!**
- It is strictly prohibited to open the lid of the remote control battery, replace the battery or remove and repair the battery underground!**
- Electrical parameters, specifications and models of the security circuit and components related to the security circuit shall not be changed during maintenance!**

1 Product overview

DHQ series remote control transmitter This product is specially designed for coal mine applications. Ultra-low power consumption design technology, long battery life, stable transmission signal output, strong signal anti-interference ability.

2. Product use environment

2.1 Requirements for equipment working environment conditions:

A) Ambient temperature: -10°C ~60°C;

B) Humidity: not more than 95% (+ 20°C);

C) Atmospheric pressure: 80 kPa ~ 106 kPa;

And d) applicable to places with a risk of methane or coal dust explosion;

E) No corrosive gases that damage the metal and insulating materials;

F) The environment without significant shaking and severe impact vibration;

2.2 The worst storage and transportation conditions that the product can withstand

A) High temperature: + 70°C;

B) Low temperature: -40°C;

C) Average relative humidity: 95% (+ 25°C);

3. Main technical indicators

order number	technical parameter
1	PRODUCT MODEL: DHQ-J6FJM
2	The operating current is not greater than 2000 mA
3	Emission frequency 434MHZ
4	Emission power-101 dBm
	Remote transmission distance 0-300 m (no shielding)

5 Instructions

1. Install the battery and note the battery label facing the outside.
2. Click on the transmitter power switch and the transmitter indicator is on.
3. By operating the handle and knob switch of the transmitter generates the corresponding operation command, which is transmitted to the receiver through radio

frequency. After receiving the instruction, the receiver sends the operation command to other equipment to form a remote control operation of the target equipment.

6 Common faults

Fault phenomenon	analysis of causes	The exclusion method	remarks
1. The remote control cannot be turned on	A. Insufficient battery capacity; B. Internal circuit failure;	a. Check and replace the battery; b. Replace the remote control and send it to the manufacturer for repair.	
2, Control the effective distance is very short	a. Remote control performance is decreased; b. The surrounding environment absorbs or attenuates the signals too strongly; c. Receiver module performance is decreased	a. Replace the remote control b. Check and adjust the receiver to the optimal condition c. Replace the receiver module	
3. There is no reaction after the individual button operation	Button fault	Send the manufacturer for maintenance	

7. Maintenance and repair

- 7. 1. When using, it should be taken gently and put gently to avoid falling and impact;
- 7. 2. The operation strength of the remote control button should not be too large when used;
- 7. 3 The plastic part of the remote control shell should be careful to prevent long-term contact with the oil, and prohibit cleaning the remote control with organic solvents;
- 7. 4 The remote control can be cleaned with a towel stained with soapy water, but can not be immersed in water;

7. 5 The packaged products shall be able to have a temperature of $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$, the relative humidity is not more than 90%, no rain and snow intrusion, with

Good ventilation conditions, no acid, alkali and other corrosive gases or dust can be stored in a dry environment.

8 Quality assurance

Under the condition that the user complies with the storage and use rules, the manufacturer shall be responsible for repairing or replacing the products damaged or unworking within one year from the date of delivery.

8 FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference

received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could

void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device,

pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection

against harmful interference in a residential installation. This equipment generates uses and can radiate

radio frequency energy and, if not installed and used in accordance with the instructions, may cause

harmful interference to radio communications. However, there is no guarantee that interference will not

occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.