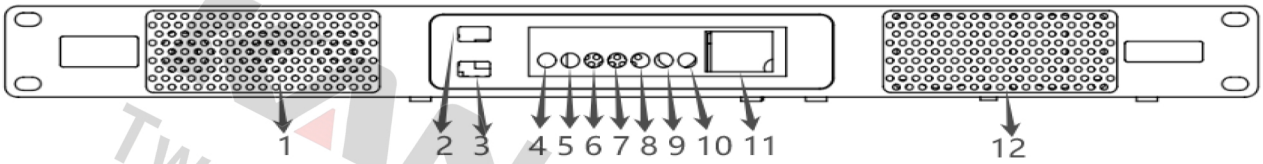
DM-5300 Digital Repeater Quick Operation Manual

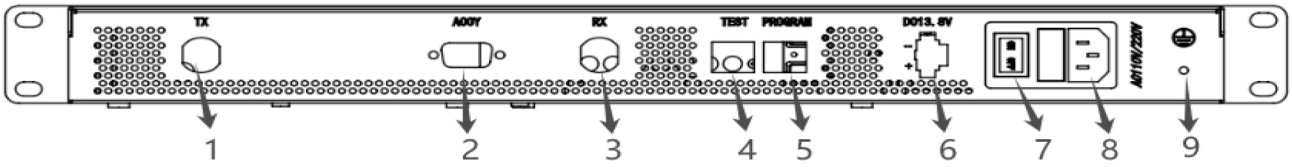
Familiar with the product

前面板



No.	Part name	No.	Part name
1	Power air inlet	7	Time slot A receiving status indicator light
2	channel+key	8	Time slot A transmit status indicator light
3	channel-key	9	Time slot B receiving status indicator light
4	Power indicator light	10	Time slot B transmit status indicator light
5	Digital mode indicator	11	Digital tube display
6	Analog mode indicator light	12	Amplifier air inlet

后面板



No.	Part name	No.	Part name
1	Transmitting antenna interface	7	AC power button
2	Accessory interface	8	AC power input interface
3	Receive antenna interface	9	Ground screw
4	Digital data debugging interface	/	/
5	Frequency programming setting interface	/	/
6	DC power input interface	/	/

Install

product

To ensure the best performance and reliability of this product, please be sure to read the following information carefully.

Installation requirements

Installation environment

This product must be installed at a temperature of -30℃～+60℃, in a dry and ventilated environment with a relative humidity of 95%.

Installation location

This product can be installed on racks and brackets, installed in cabinets, or placed on the workbench.

Preparation before installation

Tool preparation

- General tools: Phillips screwdriver, wrench
- Special tools: anti-static gloves
- Instrument: Multimeter

Voltage detection

Check whether the DC power supply voltage or external power supply voltage is within the operating voltage range of this product (DC power supply voltage: 13.6V±15%, AC voltage: 100V~240V).

Installation steps

The installation steps for this product are as follows:

1. Wear anti-static gloves.
2. Install this product in the desired location.
3. Connect accessories such as antennas, feeders, and power cords to the product.
4. Ground the product through the ground screw on the rear panel.

Post-installation inspection

After completing the above operations, put this product on. After powering on, the display shows the current channel and the LED indicator shows normal status (see "Viewing Status Indications" for details).

Basic operations

Turn on and off

Power on

- If this product is connected to an external DC power supply, plug in the power cord and enter the power-on state.
- If this product is connected to AC power, turn on the [AC Power] button on the rear panel.

Shut down

- If this product is connected to an external DC power supply, unplug the power cord and it will enter the shutdown state.
- If this product is connected to AC power, turn off the [AC Power] button on the rear panel.

Channel switching

In standby mode, press the [Channel +] key or [Channel -] key to switch channels up or down, and the display shows the current channel.

Frequency setting

Install the dedicated frequency writing software for this product on the computer, open the frequency writing software, connect one end of the frequency writing cable to the computer, and plug the other end into the [Frequency Programming Setting Interface] on the rear panel of the product. Press and hold the [Channel +] key to turn on the power button and enter the frequency writing mode. The panel display will display "P", and the emission status indicator light will light up. Click the computer [Read] shortcut image Mark the reading device. After reading is completed, modify the transceiver frequency that needs to be set on the computer. After setting, click the [Write] shortcut icon on the computer to write to the device. After writing, press the [Channel +] key. The receiving status indicator light on the front panel will light up. Click the [Write] key on the computer to write to the device. After completion, press the [Channel-] key to exit the frequency writing mode.

View status indication

Indicator name	Indicator status	product status
Power indicator light	red	The power supply is normal
Digital mode indicator	blue	Work in digital mode
Analog mode indicator light	orange color	Work in simulation mode
Time slot A receiving status indicator light	green	Analog mode: receiving, digital mode: time slot A is receiving
Time slot A transmit status indicator light	red	Analog mode: transmitting, digital mode: time slot A is transmitting
Time slot B receiving status indicator light	green	Slot B is receiving in digital mode
Time slot B transmit status indicator light	red	Time slot B is transmitting in digital mode