

8X SPDT SWITCH, DC to 40GHz, 2.92 mm

Model: LT-REL-00

FEATURES:

- Wide Band Operation DC to 40GHz
- RS232&LAN Controlled
- Terminated
- Low Insertion Loss and High Isolation
- Customization available upon request

TYPICAL APPLICATIONS:

- Device testing
- Automated test equipment

RF SPECIFICATIONS:

Frequency (GHz)	DC-18	18-26.5	26.5-40
Insertion Loss (dB max.)	≤0.5dB	≤1dB	≤1.5dB
Isolation (dB min.)	≥60dB	≥55dB	≥50dB
VSWR (max.)	≤1.5	≤1.9	≤2.1

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS:

Parameter	Value
Operating Temperature	-25° C to +65° C
Vibration(operating)	10G RMS, 20-2000HZ
Shock (non operating)	50G, 1/2Sine, 12msec
Connector Type	2.92 Female
Control Connector	USB type-B & RJ45
Rated Voltage	220V AC
Switch Sequence	Break before make

SWITCH TYPE:

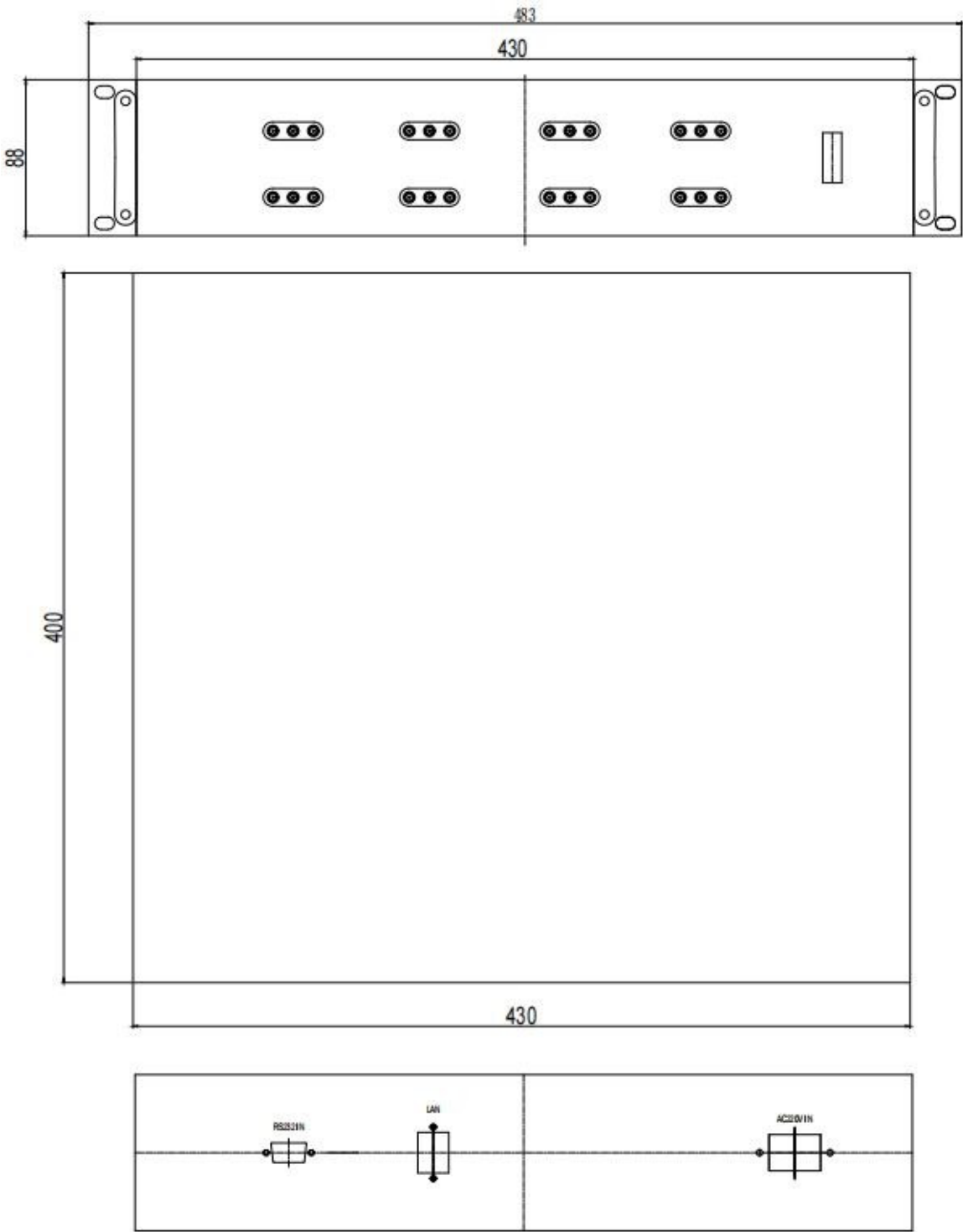
Model	LT-REL-00
Frequency (GHz)	DC-40
Insertion Loss (dB max.)	≤1dB
Isolation (dB min.)	≥50dB
VSWR (max.)	≤2.0

CONNECTIONS:

Port Name	Connector Type
RF	2.92 Female
RS232	DB9
LNA	RJ45

OUTLINE DRAWING:

UNIT: mm



SERIAL TERMINAL COMMANDS:

System description: The device acts as a TCP/IP server. Default IP: 192.168.100.178. Default port number: 18178

Control Command:

2.1. Switch query:

Function description	Switch status query
Command format	none
Parameter description	Query\r\n
Command direction	PC-->Switch

2.2. Switch settings:

Function description	Switch settings
Command format	Set: D1-N, D2-N, D3-N, D4-N, D5-N\r\n
Parameter description	D1\D2\D3\D4\D5\D6\D7\D8 represents the switch number, N: Switch value 1-2
Command direction	Switch --> PC
Success response	OK\r\n
Failure response	Fail\r\n
Sample	Set: D1-1, D2-2\r\n

2.3. IP settings: Our company offers a comprehensive IP Tool solution for managing IP and port settings efficiently. The tool enables users to configure network parameters with ease. Below are the step-by-step instructions for using the IP Tool:

1. Connecting the Hardware:

- Connect the switch matrix to the PC using a serial cable.
- Ensure that the serial cable driver is correctly installed and functioning properly.

2. Powering and Software Setup:

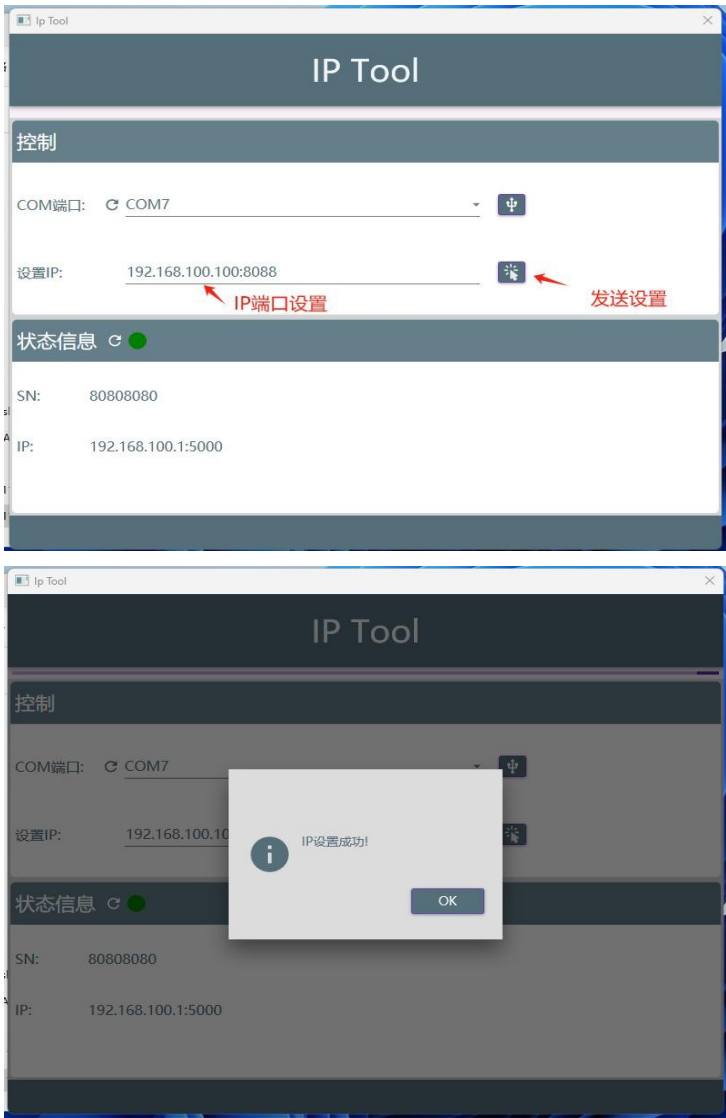
- Turn on the power supply to the switch matrix.
- Launch the IP TOOL software.
- In the software interface, select the appropriate COM port corresponding to your connection.
- Click on "Connect" to establish the connection between the PC and the switch matrix.



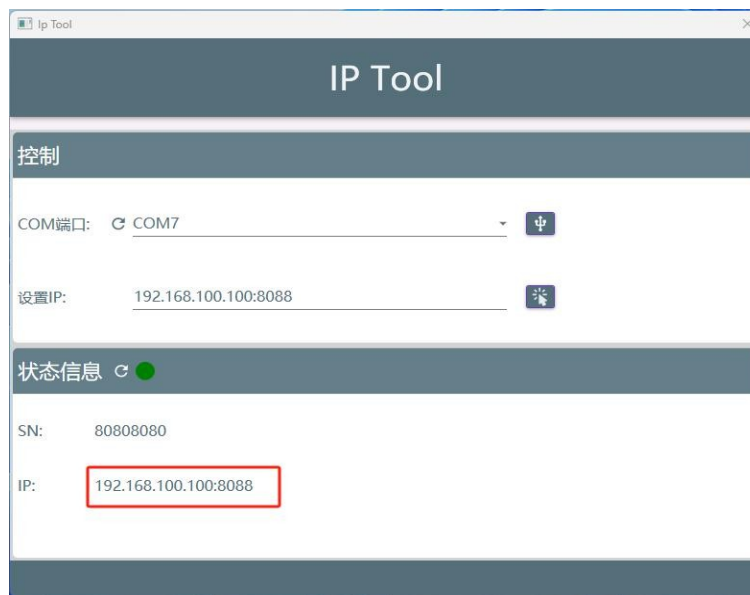
3. After connecting, in the status information below, the device SN number, IP, and the port, as shown in the figure below:



4. Set the IP and port as follows: enter the IP we want in the set IP to and port, the format is: IP number: Port number, for example: 192.168.100.100:8088 Click the Send settings button later. The words "Set IP successfully" appear.



5. Restart the device and reconnect to the IP tool software. You can find that the IP has been modified.



For any additional information please contact us at sales@laftex.ru or visit our website: <https://laftex.ru>.