



InRouter 600

APPLICATION GUIDE FOR TRIGGERED BY SMS

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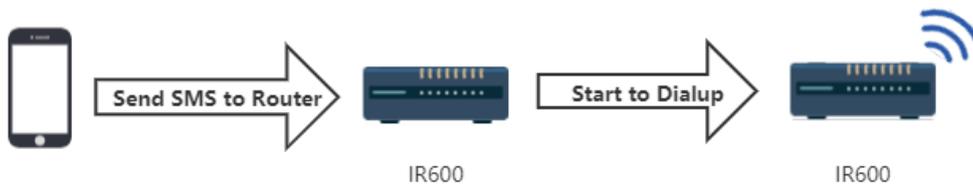
InHand Networks
Global Leader in Industrial IoT

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1. Abstract

This guide shows how to configure IR600 accessing to the Internet triggered by SMS. It is used to control the router dialup connected or not. With SMS triggering, the administrator can change the dialup status at any time and anywhere.



As the above figure shows, after receiving the SMS connected command, the router starts to dialup. When the user sends disconnected command by SMS, the router will stop the dialup correspondingly.

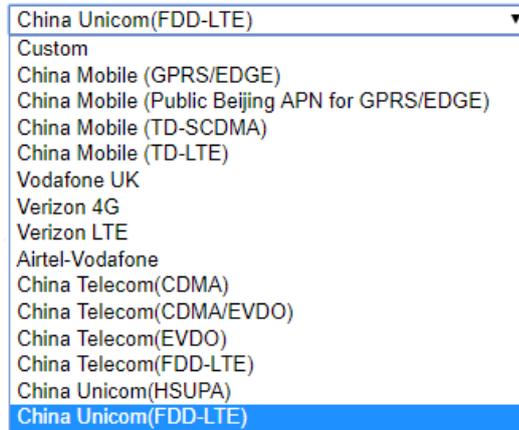
2. Configuration

Before doing the configuration, please make sure the SIM card is active and the phone number is known.

2.1 Click **Networks** → **Dialup**, enable **Dialup**

| Network | Serv | System | Network | Services | Firewall | QoS | VPN | Tools | Application | Status |
|--|--|--------|---------|----------|----------|-----|-----|-------|-------------|--------|
| Dialup | | | | | | | | | | |
| Your password have security risk, please click here to change! | | | | | | | | | | |
| Dialup | | | | | | | | | | |
| WAN | Enable <input checked="" type="checkbox"/> | | | | | | | | | |
| Link Backup | Time schedule <input type="text" value="ALL"/> Schedule Management | | | | | | | | | |
| LAN | Shared Connection(NAT) <input checked="" type="checkbox"/> | | | | | | | | | |
| Switch WLAN Mode | Default Route <input checked="" type="checkbox"/> | | | | | | | | | |
| WLAN | Network Provider (ISP) <input type="text" value="China Unicom(FDD-LTE)"/> Manage | | | | | | | | | |
| IP Passthrough | Network Select Type <input type="text" value="Auto"/> | | | | | | | | | |
| DNS | Connection Mode <input type="text" value="Connect On Demand"/> | | | | | | | | | |
| DDNS | Triggered by SMS <input checked="" type="checkbox"/> | | | | | | | | | |
| Static Route | SMS Connect Command <input type="text" value="ABC"/> (English Only) | | | | | | | | | |
| | SMS Disconnect Command <input type="text" value="QSC"/> (English Only) | | | | | | | | | |
| | Max Idle Time <input type="text" value="30"/> Seconds | | | | | | | | | |
| | Redial Interval <input type="text" value="30"/> Seconds | | | | | | | | | |
| | Show Advanced Options <input type="checkbox"/> | | | | | | | | | |
| <input type="button" value="Apply"/> <input type="button" value="Cancel"/> | | | | | | | | | | |

2.2 Select your **Network Provider (ISP)**



If there is no suitable choice for you, please select **Custom**.

| | | |
|------------------------|----------|------------------------|
| Network Provider (ISP) | Custom | Manage |
| APN | uninet | |
| Access Number | *99***1# | |
| Username | gprs | |
| Password | **** | |

Then, fill in the corresponding information of your SIM card.

2.3 Select **Connection Mode** as **Connect On Demand**.

| | | |
|---------------------|-------------------|----------------|
| Connection Mode | Connect On Demand | |
| Triggered by SMS | Always Online | |
| SMS Connect Command | Connect On Demand | (English Only) |
| | Manual | |

2.4 Enable **Triggered by SMS**

2.5 Set both **SMS Connect Command** and **SMS Disconnect Command**

Administrator uses these commands to control the router dialup connection. You can set the commands as whatever you want.

2.6 Set **Max Idle Time** and **Redial Interval**

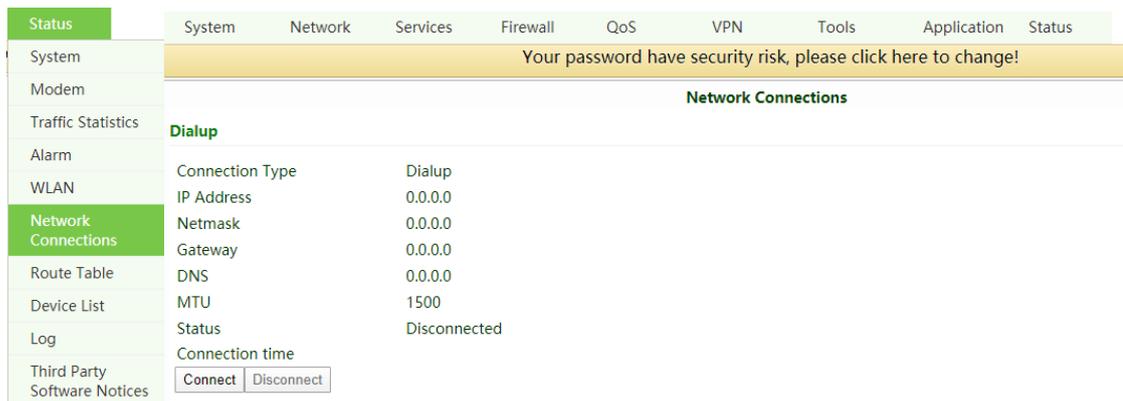
Max Idle Time: use to set up the online time of the router. If the value is "0", the router will keep online after receiving the connect command. If not, for example as 600s, the router will online 600s and then dropped.

Redial Interval: the router will redial every 30s if dial up fail.

2.7 Click **Apply**

3. Test and Verify

3.1 Click **Status** → **Network Connections**



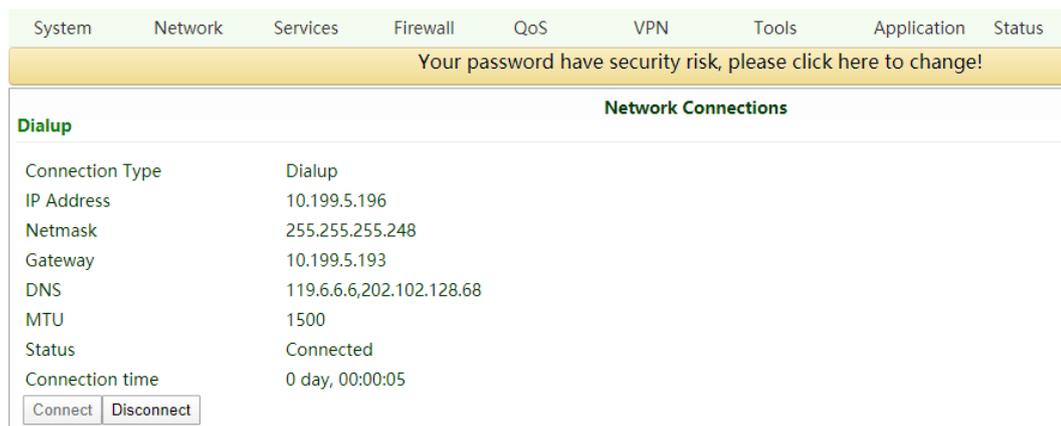
The screenshot shows the router's configuration interface. The 'Network Connections' menu item is selected in the left sidebar. The main content area displays the 'Dialup' connection status. The connection is currently 'Disconnected'. The interface includes a navigation menu at the top with options like System, Network, Services, Firewall, QoS, VPN, Tools, Application, and Status. A security warning is visible at the top of the main content area.

| System | Network | Services | Firewall | QoS | VPN | Tools | Application | Status |
|--|---------|--|----------|-----|-----|-------|-------------|--------|
| Your password have security risk, please click here to change! | | | | | | | | |
| Network Connections | | | | | | | | |
| Dialup | | | | | | | | |
| Connection Type | | Dialup | | | | | | |
| IP Address | | 0.0.0.0 | | | | | | |
| Netmask | | 0.0.0.0 | | | | | | |
| Gateway | | 0.0.0.0 | | | | | | |
| DNS | | 0.0.0.0 | | | | | | |
| MTU | | 1500 | | | | | | |
| Status | | Disconnected | | | | | | |
| Connection time | | | | | | | | |
| | | <input type="button" value="Connect"/> <input type="button" value="Disconnect"/> | | | | | | |

At the beginning, the dialup status shows **Disconnected**.

3.2 Send the connect command

Send your connect command to the router, e.g. ABC, then wait a few decades seconds. The status will change to **Connected**.



The screenshot shows the router's configuration interface after the connect command. The 'Network Connections' menu item is selected. The main content area displays the 'Dialup' connection status. The connection is now 'Connected'. The interface includes a navigation menu at the top with options like System, Network, Services, Firewall, QoS, VPN, Tools, Application, and Status. A security warning is visible at the top of the main content area.

| System | Network | Services | Firewall | QoS | VPN | Tools | Application | Status |
|--|---------|--|----------|-----|-----|-------|-------------|--------|
| Your password have security risk, please click here to change! | | | | | | | | |
| Network Connections | | | | | | | | |
| Dialup | | | | | | | | |
| Connection Type | | Dialup | | | | | | |
| IP Address | | 10.199.5.196 | | | | | | |
| Netmask | | 255.255.255.248 | | | | | | |
| Gateway | | 10.199.5.193 | | | | | | |
| DNS | | 119.6.6.6,202.102.128.68 | | | | | | |
| MTU | | 1500 | | | | | | |
| Status | | Connected | | | | | | |
| Connection time | | 0 day, 00:00:05 | | | | | | |
| | | <input type="button" value="Connect"/> <input type="button" value="Disconnect"/> | | | | | | |

3.3 Send the disconnect command

Send disconnect command to the router, e.g. QSC, then after a few second the Status will change to **Disconnected** again.

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