



Application Guide

Router Control- SMS Commands



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Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Doc Version	Product	Release Data	Details
V1.0	Hongdian Router	2017.11.14	First Release

1 Overview

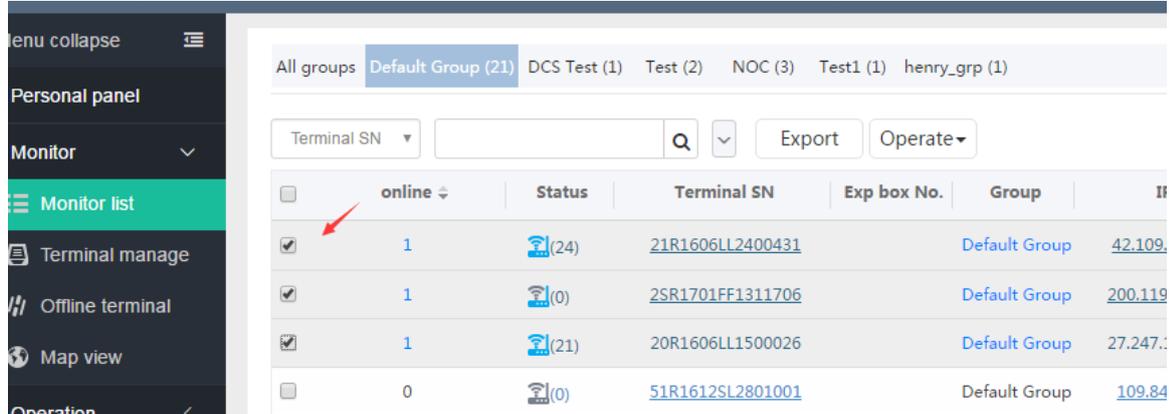
SMS Commands Management is an optional function on Hongdian Router. With this function, Hongdian Router can be remote controlled or configured by SMS commands, including reboot, settings, status and etc.

2 Description

2.1 Configuration steps

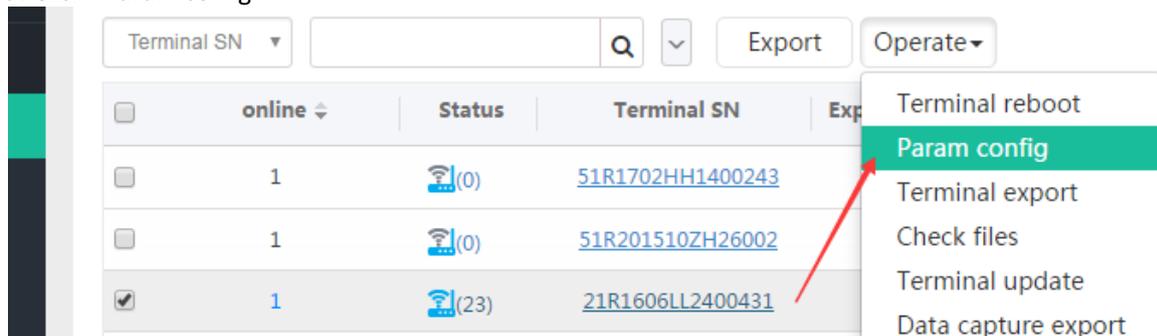
1. Currently this function requires specific 3G/4G modules, such as H330S, SIM7100E and etc, please check with our technical personal.
2. Make sure your SIM card is available to send the SMS, and it has enough space. For insurance at the first using, you are suggested to insert the SIM card on a phone, delete all the old messages of the SIM card, and test the if the SMS sending and receiving is OK.

By the way, you can also check in batch, but make sure these devices supported the same CLI commands.



All groups Default Group (21) DCS Test (1) Test (2) NOC (3) Test1 (1) henry_grp (1)						
Terminal SN		Q	Export	Operate		
<input type="checkbox"/>	online	Status	Terminal SN	Exp box No.	Group	IP
<input checked="" type="checkbox"/>	1	(24)	21R1606LL2400431		Default Group	42.109.
<input checked="" type="checkbox"/>	1	(0)	2SR1701FF1311706		Default Group	200.119.
<input checked="" type="checkbox"/>	1	(21)	20R1606LL1500026		Default Group	27.247.
<input type="checkbox"/>	0	(0)	51R1612SL2801001		Default Group	109.84.

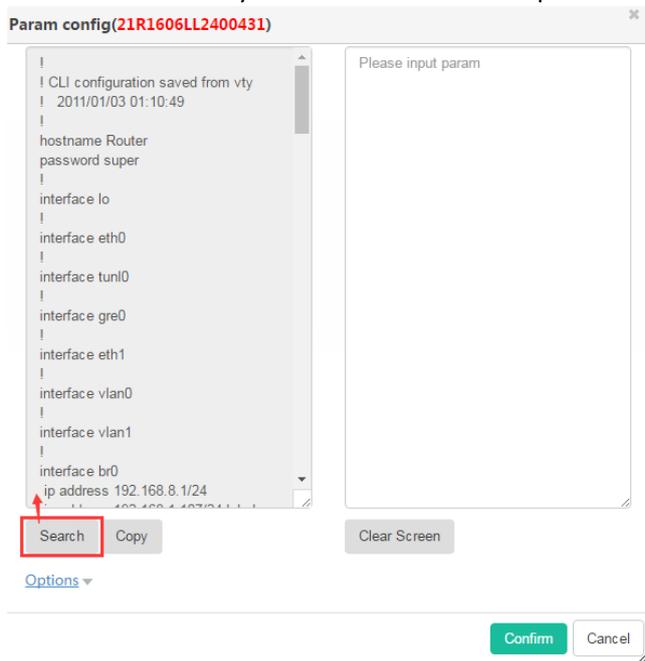
3. Click "Param config"



Terminal SN		Q	Export	Operate		
<input type="checkbox"/>	online	Status	Terminal SN	Exp		
<input type="checkbox"/>	1	(0)	51R1702HH1400243			
<input type="checkbox"/>	1	(0)	51R201510ZH26002			
<input checked="" type="checkbox"/>	1	(23)	21R1606LL2400431			

- Terminal reboot
- Param config**
- Terminal export
- Check files
- Terminal update
- Data capture export

4. Click “Search” to synchronize the current cli parameter of the device.

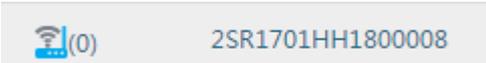


In this step, the selected device shall be online and available, that is, the signal icon should show the normal value and light up, as below.

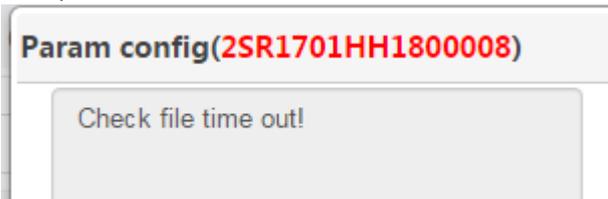


Otherwise, it may show fail to synchronize as below.

Device:

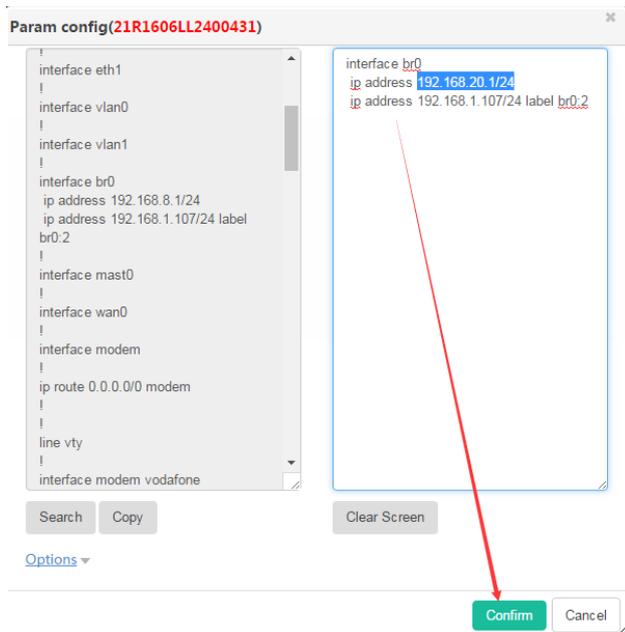


Prompt:



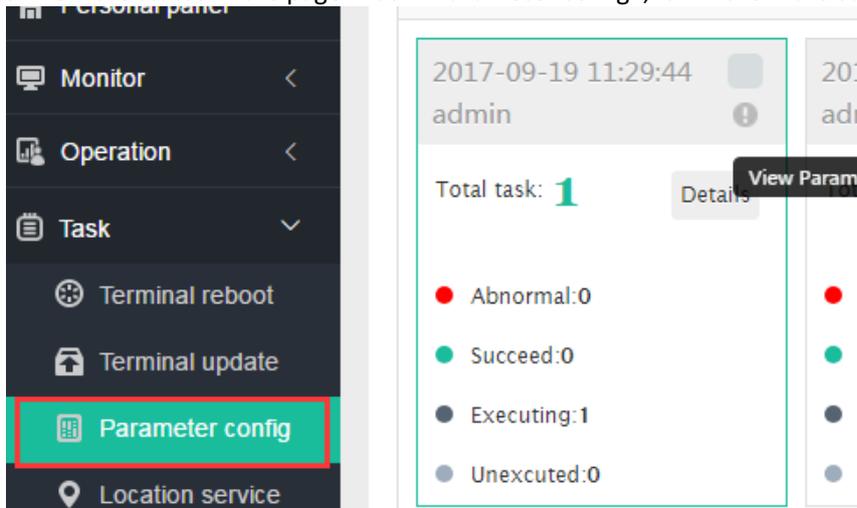
In addition, you can ignore this step, and turn to next step directly.

5. Input CLI command on the right panel, as below.



The commands format is the CLI command, you can just copy the contents on the left panel, wherein each settings is separated by the symbol “!”.

6. View the status in the page “Task->Parameter config”, it will show the current task status.



7. If the router is in your hand, you can also turn visit the web UI of the router to view the change as below.

Network		Applications	VPN	Forward	Security	System	Status
LAN	WAN	WLAN	Modem	Parameter Select	Network Type	Link Backup	DHCP Server
Host Name	<input type="text" value="router"/>	* Max length is 32					
IP1	<input type="text" value="192.168.20.1/24"/>	* eg. 192.168.8.1/24					
IP2	<input type="text" value="192.168.1.107/24"/>						
IP3	<input type="text"/>						
IP4	<input type="text"/>						
Loopback Address	<input type="text"/>	eg. 10.1.1.1/24					
		<input type="button" value="Save"/>		<input type="button" value="Refresh"/>			

2.2 Remark

You can read the Hongdian CLI user manual for more commands operation. There are several configuration cases for a quick learning.

1. Update WAN IP and LAN3 IP

```

Param config(21R1606LL2400431)
!
interface tun0
!
interface gre0
!
interface eth1
!
interface vlan0
!
interface vlan1
!
interface br0
ip address 192.168.8.1/24
ip address 192.168.1.107/24 label
!
interface eth0
ip address 192.168.2.1/24
!
interface br0
ip address 192.168.1.107/24 label br0:3

```

```

interface eth0
ip address 192.168.2.1/24
!
interface br0

```

```
ip address 192.168.1.107/24 label br0:3
```

2. Enable ntp service, and disable syslog service.

Param config(21R1606LL2400431)

```
server port 62503
!
service ntp
update interval 600
primary destination ntp.sjtu.edu.cn
time zone beijing/kuala-
lumpur/singapore
shutdown
!
!
```

```
service ntp
no shutdown
!
service syslog
shutdown
```

```
service ntp
no shutdown
!
service syslog
shutdown
```

Delete LAN2 IP

Param config(21R1606LL2400431)

```
interface eth0
!
interface tun0
!
interface gre0
!
interface eth1
!
interface vlan0
!
interface vlan1
!
interface br0
ip address 192.168.8.1/24
ip address 192.168.1.107/24 label
br0:2
!
```

```
interface br0
no ip address 192.168.1.107/24
```

```
interface br0
no ip address 192.168.1.107/24
```

Wherein we can use “no ip address 192.168.1.107/24” or “no ip address 192.168



Create smart things



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