



# **RSR10-01G-T Series Router RGOS Release Notes,**

## **10.4(3b64)p10, Release(219426)**

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**Release Date: Jun. 24, 2019**

**Current Release: 219426**

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## Basic Information

Table 1 lists the basic information of the current release.

**Table 1 Basic Information of the Current Release**

Current Release	RGOS 10.4(3b64)p10,Release(219426)
Previous Release	RGOS 10.4(3b64)p9,Release(216948)
Applicable Product	RSR10-01G-T V2.0/V2.1/V2.2
Category	Official release

## Hardware Supported

Table 2 shows the hardware supported by the RGOS 10.4(3b64)p10,Release(219426).

**Table 2 Hardware Models**

Hardware Model	Version	Description
RSR10-01G-T	V2.0/V2.1/V2.2	Host



### Note

The hardware version number is rounded to the first decimal place. The numeral in the second decimal place does not change the supporting release.

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## Resolved Issues

Table 3 shows the fixed bugs based on RGOS 10.4(3b64)p10,Release(219426).

**Table 3 Fixed Bugs**

No.	Bug Description
1	New Flash is supported.

## Related Documentation

- RG-RSR10-01G V2 Series Router Hardware Installation and Reference Guide V1.7  
This manual introduces the functional and physical features of the RG-RSR10-01G-T series router and provides the device installation steps, hardware troubleshooting, module technical specifications, and specifications and usage guidelines for cables and connectors.
- RG-RSR10-01G-T Series Router RGOS Configuration Guide, RGOS10.4(3b64)p10  
This manual describes the various network protocols and their implementation principles for the RG-RSR10-01G-T series with the detailed configuration examples.
- RG-RSR10-01G-T Series Router RGOS Command Reference, RGOS10.4(3b64)p10  
This manual describes the configuration commands related to the various network protocols supported on the RG-RSR10-01G-T series router RGOS10.4(3b64)p10 version in detail, including the command mode, parameter description, usage guide, and configuration examples.



### Note

You can obtain the related documents at: <http://www.ruijienetworks.com/>.

## Upgrade Files

**Table 4 Latest Firmware**

Applicable Product	Upgrade Firmware	File Size	MD5
RSR10-01G-T V2.0/V2.1/V2.2	RSR10-01G-T_10.4(3b64)p10_ R219426_install.bin	27,296,160 bytes	5628cc4abb75c5ea053e329895 4003bf

## Upgrade Tips

The following are some tips for upgrading the RSR10-01G-T series router RGOS 10.4(3b64)p10:

- During the upgrade, pay attention to the prompt messages. If failures occur, please save the log and contact us for technical assistance.
- During the upgrade, it is recommended you not power off or reset the system, or plug/unplug any module.
- Log into the Web-based configuration system or operate command line-based upgrade to check the firmware after the upgrade.

## Upgrade Procedure

### Command Line-based Upgrade

1. Connect the Console port of the router and the serial port of the PC via a USB cable. Enable on the PC terminal programs, such as Hyper Terminal or SecureCRT on Windows and Minicom on Linux. Set Baud rate to 9,600, Data bits to 8, Stop bits to 1, and no flow control.
2. Connect the first port of the router to the Ethernet port of the PC directly or indirectly via an Ethernet cable. Make sure the interface address of the VLAN where the port belongs and the IP address of the PC are in the same network segment. Enable the TFTP server on the PC and place the to-be-sent Ruijie RGOS in the TFTP directory.
3. Power on the router. If Ruijie RGOS is available, you are suggested to operate upgrade via Ruijie RGOS (refer to Step 4 for details). If Ruijie RGOS is not available, it is recommended to upgrade the device via Boot Loader (refer to Step 5 for details).
4. Upgrade the router via Ruijie RGOS.

- 1) Run Ruijie RGOS, and run the TFTP command to load the installation package to the router.

Command explanation:

**copy tftp://IP address of the PC where the .bin file is installed /name of the .bin file flash:/rgos.bin**

```
Ruijie#cpoy tftp://172.18.158.127/10.4(3b64)p1_R202782_install.bin
flash:/rgos.bin
Accessing tftp://172.18.158.127/10.4(3b64)p1_R202782_install.bin...
System is running defragment,please wait....
Press Ctrl+C to quit
The file has existed, do you want to overwrite it? [yes/no]: yes
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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Transmission finished, file length 26862464 bytes.
Verify the image .....[ok]

CURRENT PRODUCT INFORMATION :
  PRODUCT ID: 0x100D0140
  PRODUCT DESCRIPTION: Ruijie RSR10-01G-T By Ruijie Networks.

SUCCESS: UPGRADING OK.
Ruijie#
```

- 2) Restart the router and finish the upgrade.

```
Ruijie#reload
Proceed with reload? [no]yes
Verify the image .....[ok]

System bootstrap ...
Boot Version: RGOS 10.4(3b64)p1 Release(200767)
Nor Flash ID: 0x0102164D, SIZE: 8388608Bytes
MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected
Press Ctrl+C to enter Boot .....
Verify the image .....[ok]
Loading main program ...
Loading main program 'rgos.bin'.
Load main program successfully.
Executing program, launch at: 0x04000000

MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected

Self decompressing the image:
#####
#####
#####
##### [OK]
Self decompressing the image succeed and will jump to 0x00010000...

Ruijie General Operating System Software
Release Software (tm), RGOS 10.4(3b64)p1 Release(202782), Compiled Fri May 27
19:33:36 CST 2016 by ngcf67

Copyright (c) 1998-2016s by Ruijie Networks.
All Rights Reserved.
Neither Decompiling Nor Reverse Engineering Shall Be Allowed.

*Aug  5 03:12:13: %MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728)
detected
Upgrading BOOT...
DO NOT POWER OFF!
Erasing device.....[ok]
Writing flash ##### [OK - 958,976 bytes]

*Aug  5 03:12:28: %UPGRADE-5-LOCAL_BEG: Installing: 'flash: BOOT'.
*Aug  5 03:12:28: %UPGRADE-5-LOCAL: Upgrading BOOT.
*Aug  5 03:12:39: %UPGRADE-5-LOCAL_FIN: New software image installed in flash.
*Aug  5 03:12:40: %UPGRADE-5-EXTITEM_INSTALLED: File /web/ucs_gb.db has been
installed in flash.
```

```
*Aug  5 03:12:41: %UPGRADE-5-EXTITEM_INSTALLED: File /web/ucs_big5.db has been
installed in flash.
*Aug  5 03:12:41: %UPGRADE-5-EXTITEM_INSTALLED: File /web/update_list.txt has been
installed in flash.
*Aug  5 03:12:41: %UPGRADE-5-EXTITEM_INSTALLED: File /web/web_config.text has been
installed in flash.
*Aug  5 03:12:49: %DEVICE-5-CHANGED: Device RSR10-01G-T (1) changed state to up.
*Aug  5 03:12:58: %USB-5-MODEM_FOUND: Modem 4G in Cellular 0/0 found.
```

### 3) Check the version information.

```
Ruijie#
Ruijie#show version
System description      : Ruijie RSR10-01G-T By Ruijie Networks.
System start time       : 2017-11-14 20:23:0
System uptime           : 0:0:3:26
System hardware version : 1.61
System software version : RGOS 10.4(3b64)p10 Release(219426)
System BOOT version     : 10.4(3b64)p10 Release(219426)
System serial number    : G1K80RC00550B
```

## 5. Upgrade the router via Boot Loader.

- 1) If Ruijie RGOS is not available, press Ctrl+C when the device starts, and enter Boot Loader to restore or upgrade softwares.

```
Hot Commands:
-----
F1. tftp 139.1.1.237 139.1.1.230 RSR10-01G-T_10.4(3b64)p10_R219426_install.bin
-main
F2. setmac -set
-----
BootLoader>C
```

- 2) Connect the first port of the router and the PC. Enable TFTP on the PC, and place Ruijie RGOS in its directory. Then, run the TFTP command to import the program into the router.

Command explanation:

**tftp** IP address of the router port IP address of the PC where the .bin file is stored name of the .bin file -  
**main**

```
BootLoader>tftp 8.18.188.100 8.18.188.126
RSR10-01G-T_10.4(3b64)p10_R219426__install.bin -main
```

Now, begin download program through Tftp...

[illegible]

- 3) Restart the router and finish the upgrade.

```
BootLoader>reload
SYS-5-RESTART: The device is restarting. Reason: Restart the whole system!.

System bootstrap ...

Boot Version: 10.4(3b64)p10 Release(219426)
Nor Flash ID: 0xC2490000, SIZE: 2097152Bytes
Using 500.000 MHz high precision timer.
CLOCK-3-HW_CAL_INVALID: Hardware Calendar (RTC) Error.
MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected
Press Ctrl+C to enter Boot .....
Verify the image .....[ok]
Loading main program ...
Loading main program 'rgos.bin'.
Load main program successfully.
Executing program, launch at: 0x04000000

MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728) detected
#####
Self decompressing the image:
#####
```

```
#####  
#####  
#####  
#####  
#####  
#####  
#####  
#####  
#####  
#####  
##### [OK]  
Self decompressing the image succeed and will jump to 0x00010000...  
  
Ruijie General Operating System Software  
Release Software (tm), RGOS 10.4(3b64)p10 Release(219426), Compiled Mon Nov 19  
21:03:42 CST 2018 by ngcf65  
  
Copyright (c) 1998-2018s by Ruijie Networks.  
All Rights Reserved.  
Neither Decompiling Nor Reverse Engineering Shall Be Allowed.  
  
*Nov 30 15:23:08: %MTD_DRIVER-5-MTD_NAND_FOUND: 1 NAND chips(chip size : 134217728)  
detected  
*Nov 30 15:23:50: %UPGRADE-5-EXTITEM_INSTALLED: File /web/ucs_gb.db has been  
installed in flash.  
*Nov 30 15:23:50: %UPGRADE-5-EXTITEM_INSTALLED: File /web/ucs_big5.db has been  
installed in flash.  
*Nov 30 15:23:50: %UPGRADE-5-EXTITEM_INSTALLED: File /web/update_list.txt has been  
installed in flash.  
*Nov 30 15:23:50: %UPGRADE-5-EXTITEM_INSTALLED: File /web/web_config.text has been  
installed in flash.  
*Nov 30 15:23:53: %UPGRADE-5-EXTITEM_INSTALLED: File /v2_fpga/.fpga-rsr20-14f.bin  
has been installed in flash.  
*Nov 30 15:23:53: %DEVICE-5-CHANGED: Device RSR20-14F (1) changed state to up.  
  
Ruijie#
```

#### 4) Check the version information.

```
Ruijie#sh ver  
System description      : Ruijie Router (RSR10-01G-T) by Ruijie Networks  
System start time       : 2018-11-30 15:23:8  
System uptime           : 0:0:4:48  
System hardware version : 1.60  
System software version : RGOS 10.4(3b64)p10 Release(219426)  
System BOOT version     : 10.4(3b64)p10 Release(219426)  
System serial number    : 1234567890123
```

```
System fpga version      : 2.2.1.6
System cp1d1 version     : 1.0.0.6
System cp1d2 version     : 1.0.0.6
Ruijie#
```