Release Notes for Cisco WRP400 Firmware Version 2.00.20

These Release Notes describe the changes and new features in Cisco WRP400 firmware version 2.00.20.

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Changes Since Cisco WRP400 Firmware Version 2.00.05

Resolved & Improved:

1. Resolved an issue with an incorrect daylight saving rule for some time zones. (CSCsx09342)

2. Resolved an issue with accessing the web-based configuration utility using Safari. (CSCtc34185)

3. Resolved an issue with outbound calls with a Broadvoice soft account. (CSCsx74524)

4. Resolved an issue the loss of UPnP configuration settings after reboot. (CSCsx66335)

5. Resolved an issue with the voice module failing registration or frozen after re-establishment of PPPoE.

6. Resolved an issue with T.38 mis-detection that triggered a SIP re-invite.

7. Improved fax successful ratio with G.711 and pass_through = none mode.

8. Resolved an issue with the voice module failing during long calls.

9. Resolved issues with XML parameters that were incompatible with firmware version 2.0x. The following XML parameters are now compatible with firmware versions 1.0x and 2.0x.

    •   <WL_BASIC_SET_1>

    •   <WL_BASIC_SET_2>

    •   <WAN_TYPE>

    •   <PPP_DEMAND>

Changed:

1. Upgraded the voice module to version 1.0.14(20100816a).

2. Updated some Help content in the web-based utility. (CSCsc10661)

3. Edited the GUI to address minor issues. (CSCsx65776)

4. Disabled native VLAN support to address an issue with DHCP.

Added:

1. Added support for additional USB broadband modems, listed below in blue.

    The following USB modems are compatible with the WRP400:

Make	Model	Technology
Huawei	E172	HSDPA
Huawei	E176	HSDPA
Huawei	E180 *	HSDPA
Huawei	E182E	HSDPA
Huawei	E220	HSDPA

Make	Model	Technology
Huawei	E226	HSDPA
Huawei	E270	HSDPA
Huawei	E272	HSDPA
Huawei	EC1260	EVDO Rev A
Huawei	EC1261	EVDO Rev A
Sierra Wireless	u306*	HSDPA
Sierra Wireless	u308	HSDPA
Sierra Wireless	AirCard 595U	EVDO Rev 0/A
Sierra Wireless	Compass 597U	EVDO Rev 0/A
Sierra Wireless	598U	EVDO Rev A
Sierra Wireless	875U	HSDPA
Sierra Wireless	880U	HSDPA
Sierra Wireless	881U	HSDPA
Sierra Wireless	Compass 885U	HSDPA
Sierra Wireless	Compass 888U	HSDPA
Novatel	U720	EVDO Rev 0/A
Novatel	U727	EVDO Rev 0/A
Novatel	U760	EVDO Rev A
Novatel	MC950D	HSDPA
Option	iCON 322	HSDPA
UTStarcom/Pantech	UM175	EVDO Rev A
ZTE	MF636*	HSDPA
TATA	EpiValley	EVDO Rev A

* There is a known issue with some modems, marked above with an asterisk (*). See **Known Issues, page 4**.

2. Added tunnel protocol support (L2TP & PPTP) for the mobile network.

3. Added retry mechanism while initializing USB Broadband Modem.

4. Added a new configurable and provisionable parameter "Enable Voice Over USB Network" to the SIP page. The default value is Yes.

5. Added two new configurable and provisionable parameters, "Soft IRQ polling count" and "Voice Active," to address an issue with voice cutoff. Users may adjust these settings to fit their deployment.

   URL to configure these parameters: http://192.168.15.1/VoiceDebug.asp

   Use the following syntax for XML provisioning:

   ```
   <SOFTIRQ_FOR_VOICE>softirq_active_voice=0,softirq_polling_
   cnt=1</SOFTIRQ_FOR_VOICE>
   ```

Known Issues

1. There is a power deficiency issue with the broadband modems listed below. These modems draw more power than the WRP400 can supply. The modem may intermittently drop connections or may reboot repeatedly.

   - ZTE MF636

   - Huawei E180

   - Sierra u306

2. VLAN support for all outgoing packets is not supported in this release.

3. WRP400 is unable to assign an IP address to a client when option 51 is included in DHCP discovery/request.

4. Sometimes a DHCP client may get an invalid DNS.

5. Remote management through https may not work properly.

Upgrading the Firmware

STEP 1 To obtain current firmware for Cisco Small Business products, complete these tasks:

    a. Visit the followingURL: www.cisco.com/go/software.

    b. In the search box, enter: **WRP400**

    c. Click **Go** to perform the search.

    d. In the search results, click the **Download Software for Cisco WRP400** link (usually the first link).

    e. On the Download Software page, click **Integrated Voice and Router Firmware**.

    f. Click the latest release.

    g. On the Release page, click **Download Now**. Save the file on your computer.

STEP 2 Start Internet Explorer, and connect to the web-based configuration utility for the router.

NOTE The default IP address is 192.168.15.1. When prompted, enter the username and password. The factory default username and password are both admin.

STEP 3 During a firmware upgrade, the router may lose the settings that you have customized. To back up your configuration, complete the following steps:

    a. Click **Administration > Config Management**.

    b. Click **Backup** to back up the configuration. Follow the on-screen instructions.

STEP 4 To upgrade the firmware, click **Administration > Firmware Upgrade**.

NOTE The service provider may require a separate login before a firmware upgrade. If you see the Username & Password screen, enter the user name and password provided by your service provider. The factory default user name and password are admin. After you enter the user name and password, click **OK**.

Related Information

Support	
Cisco Small Business Support Community	www.cisco.com/go/smallbizsupport
Cisco Small Business Support and Resources	www.cisco.com/go/smallbizhelp
Phone Support Contacts	www.cisco.com/go/sbsc
Cisco Small Business Firmware Downloads	www.cisco.com/go/software
Product Resources	
Cisco Small Business Voice Gateways	http://www.cisco.com/go/smallbizvoicegateways
Open Source License Notices	www.cisco.com/go/osln
Cisco Small Business	
Cisco Partner Central for Small Business (Partner Login Required)	www.cisco.com/web/partners/sell/smb
Cisco Small Business Home	www.cisco.com/smb

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