

MX VoIP Gateway Release Notes

Version: V1.9.82.323 Date: 2013.5.10

Firmware Modules

Product Module	HX4	MX8	MX60	MX120
APP	V1.9.82.323	V1.9.82.323	V1.9.82.323	V1.9.82.323
KERNEL	V1.1.0	V1.9.0	V2.0.0	V2.0.0
CPE	V1.1.9.28	V1.1.9.28	V1.1.9.28	V1.1.9.28
SNMP	V1.1.9	V1.1.9	V1.1.9	V1.1.9
Web	V1.9.81.307.10	V1.9.81.310.7	V1.9.81.310.7	V1.9.81.310.7
DSP	V3.0.35	V27_18199	V30_00009	V23_18199
LINEDRV	V2.2.7	V1.2.61.1	V2.2.7	V1.2.61.1

New Features and Functions

1. High Voltage MWI

The configuration parameters are on page **Advanced > Phone > Message waiting light**. The default voltage is 80 V, and the range is 60~100 V.

Notes

- MX8 gateway does not support high voltage MWI.
- The latest MX60 and MX120 hardware are required to support high voltage MWI. Please contact gs@newrocktech.com for more information.

2. FXS Battery Drop

Providing disconnect supervision by removing loop current feed from the line for a short time of period.

The configuration parameters are on page **Line > Feature** for MX8, MX60 and MX120, or page **Phone/Line > Phone** for HX4.

The battery drop (loop open interval) can be set in the range of 100~6000 ms. The default is 1000 ms.

3. FXO Battery Drop Protection

After off-hook, the FXO port will ignore the battery drop on the PSTN side during a pre-set time period in order to avoid the glitch. The protection period can be set by command

FXO_OFFHOOK_DISC_TO (ID 789).

4. Device Reboot Through SIP NOTIFY

The device will be rebooted after receiving a NOTIFY message from the SIP server.

Immediate reboot: The device starts reboot process in 10 seconds after receiving the NOTIFY with **Event:check-sync**.

Graceful reboot: The device starts reboot process only when there is no on-going call or up to 1800 seconds after receiving the NOTIFY with **Event:check-sync;reboot=graceful**.

5. Support SNMPv2

The MIB is available at http://www.newrocktech.com/Services_E.asp.

6. White List Filtering

This is a security mechanism which allows access to the Web and Telnet service of the device only from the IP addresses on the list.

Note

- The access from 192.168.2.100 is always allowed. The administrator can set the address of the device to 192.168.2.101 for example to access to the device without being blocked by the white list. The address of the device can be set by dialing *90192*168*2*101#255*255*0*0#192*168*2*1#0#.

Enhancements

1. Security

- Encrypts the password in configuration file.
- The port of Web service on the device can be changed through the Web GUI.
- The Telnet service is disabled in factory default. It can be enabled through Web GUI.

2. Fax Negotiation

- T.30 is used when both T.30 and T.38 are carried in SDP for FAX negotiation.
- Allows the media stream to change from video to T.30 fax relay.

3. SIP Compatibility

- To header field in SIP messages support TEL URI format in addition to SIP URI format. To select TEL URI format, SIP_FG_TO_TEL (ID153) is set to **yes**.

4. Others

- (1) The busy tone detection is improved.
- (2) Web port can be obtained by dialing **##**.
- (3) Routing rule is added for call routing between analog telephony ports.

With the new routing rule the routing for an inbound call from an FXO port to extension 201 on FXS port is written as below:

```
FXO 201 ROUTE FXS 1
```

Bug Fix

1. SIP Heartbeat

Fixes the bug in which the device fails to send OPTIONS message when the 5060 port of SIP server is not configured.

Known Issues

1. Browser Compatibility

Uploading configuration files and upgrading firmware fail if Google Chrome or IE10 is used.