

# MX VoIP Gateway Release Notes

Version: V1.9.82.331      Date: May 5, 2014

## Firmware Modules

	HX4	MX8	MX60	MX120
APP	V1.9.82.331	V1.9.82.331	V1.9.82.331	V1.9.82.331
Kernel	V1.1.6(F)	V1.9.6(F)-8	V2.0.6(F)	V2.0.3(F)
DSP	-	V1.8.203	V1.8.203	V1.8.203

## New Functions

1. Support high availability (HA) during SIP server cluster deployment, including active-standby mode and load balancing mode.
2. Support auto provisioning, through DHCP option 66, automatically obtain or manually fill out the address of the auto provisioning server to update configuration and upgrade firmware.
3. Add an information page on Web GUI, displaying the basic information of the device, like local ports, device name, model, MAC address, and IP address.
4. Allow users to upload voice and CRBT (color ring back tone) files on Web GUI. (Note: HX4 doesn't support this function.)

## Function Improved

1. Optimized the T.38 facsimile function to enhance compatibility and improve the fax success rate.
2. Added standard call tones for seven countries: Singapore, Israel, Malaysia, Indonesia, United Arab Emirates, Australia, and Zimbabwe.
3. Associated the digit map and busy-tone detection parameters with the country or region.
4. Loop-start signaling will be used if no polarity reversal signal is detected even when the polarity reversal check is enabled on the FXO port.
5. Added the **DISPLAY** option to **Caller number sending mode** on the **Advanced > Trunk** page. This mode is set to **FROM** by default, taking the number detected by caller ID display function as the calling number. If this mode is set to **DISPLAY**, the number detected by caller ID display function is used as the number to be displayed while the number configured on the FXO port used as the calling number.
6. Supported to set TOS for SIP signaling streams and RTP media streams.

7. Supported to set the phone ringing voltage on the FXS port, ranging from 45 V to 85 V on Web GUI. (Note: Since this parameter is supported by high-voltage power modules only, HX4 and MX8 do not support this function.)
8. Added password strength detection when modify login password.
9. Removed the **Direct** option in **Inbound handle** from the **Line > Trunk** page of the FXO-only gateway.
10. Supported the indication of Fax over IP capability as defined in RFC 6913.
11. Disabled line SIP registration in default factory settings.
12. Increased the maximum length of phone number allowed from 20 to 24 digits.
13. Optimized the forking function, another bound terminal does not ring when the FXS line is busy.
14. Supported to obtain the IP address of the DNS server through DHCP.
15. Changed the data packet capturing mechanism: HX4 limits file capture to 3 MB.
16. Supported SDP Payload types, up to 22 from 17.

## Problems Fixed

1. Fixed the second-stage dialing failure due to RFC 2833 configuration on HX4.