

# Release Notes

MP-202, MP-26x and MP-27x

Version 4.4.3

Document #: LTRT-22018





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## Notice

This document presents AudioCodes' **MP-202, MP-26x and MP-27x Integrated Access Device (IAD)** Release Notes Version 4.4.3.

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## Abbreviations and Conventions

Each abbreviation, unless widely used, is spelled out in full when first used.

## Related Documentation

Document Name
MediaPack Series Multimedia Home Gateway User's Manual

## Document Revision Record

LTRT	Description
22017	Initial document release.
22018	Note added to Media Processing feature in Section 3.

## Documentation Feedback

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# 1 Introduction

This document describes the new hardware and software features of the MP-202, MP-26x and MP-27x Residential Gateways for Version 4.4.3.

The following incumbent products are supported in this release:

**Table 1-1: Incumbent Products Supported in Release**

Model	WAN Access	LAN	Wi-Fi	FXS	DECT	USB 2.0
<b>MP-202</b>	Eth WAN	1 x FE	-	2	-	-
<b>MP-262</b>	VDSL2 / ADSL2+/ Eth WAN	4 x FE*	802.11b/g/n	2	-	2
<b>MP-263</b>	VDSL2 / ADSL2+/ GbE	4 x FE	802.11b/g/n	2	-	2
<b>MP-264</b>	VDSL2 / ADSL2+/ GbE WAN	4 x GbE*	802.11b/g/n	2	-	2
<b>MP-264-D</b>	VDSL2 / ADSL2+/ GbE WAN	4 x GbE*	802.11b/g/n	2	√	2
<b>MP-272</b>	GbE WAN	4 x FE	802.11b/g/n	2	-	2
<b>MP-272-D</b>	GbE WAN	4 x FE	802.11b/g/n	2	√	2
<b>MP-264B</b>	VDSL2 / ADSL2+/ GbE	2 x FE + 2GbE*	802.11b/g/n	2	-	2

\*When Ethernet WAN is used, the number of LAN ports is reduced to 3.

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## 2 Supported 3G Dongles



**Note:** This chapter is not applicable to **MP-202**.

The following 3G dongles are currently supported:

- Huawei E156
- Huawei E160
- Huawei E1750
- Huawei E1756
- Huawei E1756 Movistar
- Huawei K3765
- Vertex
- ZTE MF110
- ZTE MF626
- Alcatel AL720
- Huawei E1550
- Huawei E156G
- Huawei E169
- Huawei E367
- Huawei K3772
- Sierra AC326U
- ZTE K3805-Z
- ZTE MF190

The following additional 3G dongles are now supported in this version:

- Huawei E303
- Huawei E3131
- Huawei E392
- Huawei E398
- Huawei E3272
- Huawei E3276
- Huawei E3372
- ZTE MF823
- Alcatel 4G LTE (1bbb:f000->1bbb:0195)

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## 3 New Software Features in Version 4.4.3

The following describes the new software features introduced in Version 4.4.3

**Table 3-1: Software Features Version 4.4.3**

Feature	Details
<b>ADSL Interface</b>	<ul style="list-style-type: none"> <li>▪ RJ-11 ADSL Jack</li> <li>▪ ITU G.992.1 (G.dmt) – ADSL</li> <li>▪ ITU G.992.3 (G.dmt.bis) – ADSL2</li> <li>▪ ITU G.992.5 – ADSL2+</li> <li>▪ Automatic PVC scanning</li> <li>▪ Multiple PVCs</li> <li>▪ Annex B (ADSL over ISDN) support available on a separate P/N</li> <li>▪ PPPoE-over-ETHoA or IP-over-ETHoA</li> </ul> <p><b>Note: Not applicable to MP-202.</b></p>
<b>Ethernet Interface</b>	<ul style="list-style-type: none"> <li>▪ 4 ports RJ-45, 10/100Mbps, MDI/MDIX Auto-Sensing</li> <li>▪ Port 4 can be configured as Ethernet WAN</li> <li>▪ IEEE 802.3, IEEE 802.3u</li> <li>▪ Wire-speed L2 switching between LAN ports</li> </ul>
<b>Wireless LAN</b>	<ul style="list-style-type: none"> <li>▪ Wireless LAN - 802.11b/g/n Wireless Access Point, 2.4 GHz</li> <li>▪ 2x2 MIMO internal antennas</li> <li>▪ Wireless Security: <ul style="list-style-type: none"> <li>✓ WPA</li> <li>✓ WPA2</li> <li>✓ WPA/WEP Mixed Mode</li> <li>✓ TKIP Encryption</li> <li>✓ WPS</li> <li>✓ MAC Filtering</li> </ul> </li> <li>▪ Virtual AP – Up to 4 SSIDs</li> </ul> <p><b>Note: Not applicable to MP-202.</b></p>
<b>USB Interface</b>	<ul style="list-style-type: none"> <li>▪ 3 Type-A USB 2.0 Host Interfaces</li> <li>▪ Providing up to a total of 1A current</li> <li>▪ Network file server access to USB storage device: <ul style="list-style-type: none"> <li>✓ NTFS and FAT32 support</li> <li>✓ Windows networking and file sharing</li> <li>✓ WINS server</li> </ul> </li> <li>▪ Network printer access to USB printers: <ul style="list-style-type: none"> <li>✓ Support for most Linux-compatible printers</li> <li>✓ LPD and Microsoft Shared Printers support</li> </ul> </li> <li>▪ 3G (HSDPA) backup <ul style="list-style-type: none"> <li>✓ Support for various models of 3G dongles</li> <li>✓ Automatic switchover from ADSL/Ethernet WAN to 3G</li> </ul> </li> </ul> <p><b>Note: Not applicable to MP-202.</b></p>

Feature	Details
<b>FXS (Phone) Interface</b>	<ul style="list-style-type: none"> <li>2 RJ-11 Loop-start FXS Ports</li> <li>Configurable regional settings (impedance coefficients)</li> <li>Up to 5 REN / 0.5km load support (default set to 3 REN)</li> </ul>
<b>DECT/CAT-iq Interface</b>	<ul style="list-style-type: none"> <li>Internal DECT/CAT-iq base station</li> <li>Built-in charger unit</li> <li>Support for up to 5 registered handsets</li> <li>HD VoIP (G.722 or WB-AMR) calls</li> </ul> <p><b>Note: Not applicable to MP-202.</b></p>
<b>Bluetooth Interface</b>	<ul style="list-style-type: none"> <li>Bluetooth v2.0+EDR</li> <li>Support for up to 8 paired devices</li> <li>Support for up to 1 connected devices</li> <li>Support for HFP</li> <li>Support for PBAP</li> </ul> <p><b>Note: Not applicable to MP-202.</b></p>
<b>VoIP Signaling Protocols</b>	<ul style="list-style-type: none"> <li>SIP - RFC 3261, RFC 2327 (SDP)</li> </ul>
<b>Data Protocols</b>	<ul style="list-style-type: none"> <li>IPv4, TCP, UDP, ICMP, ARP</li> <li>PPPoE (RFC 2516)</li> <li>L2TP (RFC 2661)</li> <li>PPTP (RFC 2637)</li> <li>DNS, Dynamic DNS</li> <li>WAN-to-LAN Layer-3 routing with: <ul style="list-style-type: none"> <li>✓ DHCP Client/Server (RFC 2132)</li> <li>✓ NAT: RFC 3022, Application Layer Gateway (ALG)</li> <li>✓ Stateful Packet Inspection Firewall</li> <li>✓ QoS - Priority queues, VLAN 802.1p,Q tagging, traffic shaping</li> </ul> </li> </ul>
<b>Media Processing</b>	<ul style="list-style-type: none"> <li>Voice Coders: G.711μ/a-law, G.729A/B, G.722, AMR, WB-AMR</li> <li>Echo Cancelation: G.168-2004 compliant, up to 64-msec tail length</li> <li>Silence Compression</li> <li>Adaptive Jitter Buffer 300 msec</li> <li>Fax bypass, Voice-Band Data and T.38 fax relay</li> </ul> <p><b>Note: Not applicable to MP-202.</b></p>
<b>Telephony Features</b>	<ul style="list-style-type: none"> <li>Call Hold and Transfer</li> <li>Two independent 3-Way Conferencing</li> <li>Call Waiting</li> <li>Message Waiting Indication</li> <li>Call Forward</li> <li>Telephony Signaling: <ul style="list-style-type: none"> <li>✓ DTMF: Detection and Generation, TIA464B. In-band, RFC2833 or SIP-INFO relay</li> <li>✓ Caller ID: Telcordia, ETSI, NTT - Type I, Telcordia Type II</li> <li>✓ Configurable Call Progress Tones</li> <li>✓ On/Off hook detection, Hook-flash detection</li> </ul> </li> </ul>

Feature	Details
<b>Configuration and Management</b>	<ul style="list-style-type: none"><li>▪ Embedded Web Server for configuration and management</li><li>▪ TR-069 and TR-104 for remote configuration and management</li><li>▪ Remote firmware upgrade and configuration by HTTP, TFTP, FTP, and HTTPS</li><li>▪ SIP-triggered remote firmware and configuration upgrade</li><li>▪ Command-Line Interface (CLI) over Telnet</li><li>▪ Dual image management</li><li>▪ SNMP</li></ul>
<b>Packetization</b>	<ul style="list-style-type: none"><li>▪ RTP/RTCP Packetization (RFC 3550, RFC 3551)</li><li>▪ DTMF Relay (RFC 2833)</li></ul>
<b>Security</b>	<ul style="list-style-type: none"><li>▪ HTTPS for Web-based configuration and for TR-069</li><li>▪ Password-protected Web pages (MD5)</li><li>▪ Configuration file encryption (3DES)</li><li>▪ SIP over TLS</li><li>▪ State-full Packet Inspection firewall</li></ul>

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## 4 Resolved Constraints in Version 4.4.3

The following constraints from previous releases have now been resolved:

- Support for trace route diagnostics via TR-069
- Simultaneous ringing on extensions for Australia/New Zealand region settings

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## 5 Known Constraints in Version 4.4.3

Version 4.4.3 includes the following known constraints, which are planned to be fixed in future software versions:

- The DECT handset does not display the name from the phone book when an outgoing call is made.
- If the first call from the DECT handset is configured with “automatic dialing”, a second call cannot be made with this handset.
- Music on Hold (MOH) on DECT calls might sound metallic to the remote side (depending on the configured codecs).
- The MAC cloning feature is not supported.
- To switch between "SIP Security" modes, the MP-26x device needs to be restarted.
- For G.726/16 Payload Type, the option to enter value '102/103' has been blocked.
- Quality of Service (QoS) configuration is not recommended using the Web interface's QoS Wizard (**QoS** menu > **QoS Wizard** tab); instead use the Web interface's Traffic Shaping screen (**QoS** menu > **Traffic Shaping** tab).
- Some USB printers do not function properly with the Network Printer Server feature; depending on their compatibility with Linux systems and driver issues.
- During a Voice call session, the user can send a fax to the remote party only once, and thereafter, the user cannot switch back to the Voice session.
- To ensure that the OPTIONS Keep-Alive feature is fully functional, the remote side must send any message, including a SIP 501 “Not implemented” message.
- Enabling or disabling the ‘Periodic Checking of Configuration file’ feature requires a device reboot.
- A SIP NOTIFY message with a “check-sync” event causes a device reboot, even when there are ongoing calls taking place.
- ‘set\_obscure’ does not work on the ‘;’ character.
- Port forwarding for user "user" should be blocked for well-known ports.
- The following features have Alpha level support (for more information, contact AudioCodes):
  - Backup and Restore
  - Disk Management
  - Managing Disk Partitions
- The following WAN connection types have Alpha level support (for more information, contact AudioCodes):
  - Routed Ethernet Connection over ATM (Routed ETHoA)
  - LAN-WAN Bridged Ethernet Connection over ATM Bridged ETHoA)
  - L2TP
- When Bluetooth is enabled, only three concurrent DECT calls are supported, leaving a total of four available concurrent calls. When Bluetooth is disabled, there is a preserved backward capability of a total of four concurrent calls.
- When there are many contacts in a phone book, the Browse and Search feature is slower than usual.
- Occasionally, after pair/unpair of Bluetooth device, ongoing calls are disconnected.
- If the first call is a Bluetooth call, you cannot invoke a second call from this extension.
- In rare occasions, for a Bluetooth incoming call, there might be cases where there is no voice.
- There is no Web indication while phone-book synchronization is in process.
- If a contact has multiple numbers, it is split into multiple contact number records with the same contact name.
- AMR-WB codec is supported on a demonstration level only.

- ADSL automatic PVC scan does not work.
- When changing ADSL/VDSL/ETH states, a reboot is done.
- On quick power disconnection/connection cycle from the MP26x/MP27x power button, the device fails to boot.
- On some occasions, xDSL WAN-LAN bridge traffic can suffer from some packet loss.
- IPSec fails to connect with some servers.
- When DLNA is enabled, connecting a media with specific files can cause the DLNA not to work.
- DECT Accept and Release features do not work.

## 6 Previous Releases

### 6.1 Gateway Version 4.4.2

#### 6.1.1 New Software Features in Version 4.4.2

The following describes the new software features introduced in Version 4.4.2:

- G.INP (G.998.4)
- New 3G/4G dongles:
  - Huawei E303
  - Huawei E3131
  - Huawei E392
  - Huawei E398
  - Huawei E3272
  - Huawei E3276
  - Huawei E3372
  - ZTE MF823
  - Alcatel 4G LTE (1bbb:f000->1bbb:0195)
- CLI commands for the following features:
  - Basic NAT connections
  - DHCP clients
  - DSL statistics (as in the Web Interface).
  - Telnet client
  - Advanced ping (specify interface)
  - Traceroute
- VDSL vectoring (G.995)
- VoIP drop from conference
- PPPoE on demand using DHCP leases
- xDSL WAN-LAN bridge IGMP snooping
- Internal calls now present the extension name instead of the line
- VLAN on LAN can support concurrent tagged and untagged traffic
- New hardware model - MP-264B

## 6.1.2 Resolved Constraints in Version 4.4.2

The following constraints from previous releases have now been resolved:

- After the dial tone expired, the user could still make a call (even though the indication showed that he could not); now, upon expiry of a dial tone, a call cannot be made by the user.
- 3G dongles ZTE MF110/MF626 now function correctly.
- Redundancy using DNS-SRV now functions with/without using outbound proxy.
- When using multi-line VoIP configuration, in some scenarios the SIP messages of one line, no longer includes wrong information from another line.
- SNMP device statistics now function correctly.
- LST wrong message played with PPPoE over ETH connection failure has now been resolved.
- CWRR after internal call scenario now functions correctly.
- Performance in ETH connection can now reach 1 Gbps.
- xDSL WAN-LAN bridge bugs have now been resolved.
- VLAN-related bugs have now been resolved.
- TR-069 problem with cookie connection has now been resolved.
- Wi-Fi LED stayed off (instead of red) after reboot and disabled has now been resolved.
- VoIP un-registration is not completed if REGISTER requires authentication, has now been resolved.
- After transfer with flash+digits, no warning tone is heard. This has now been resolved.
- VoIP flash+digits Type 2 blind transfer now functions correctly.
- TR-069 now presents correctly WAN interfacing including VLAN devices.
- Hold and regret failure upon receipt of 183 response has now been resolved.
- DHCP option 2 on LAN side bug has been resolved.
- TR-069 DSL diagnostics query produced incorrect results that could have crashed the unit. This has now been resolved.
- Fax detection by DSP causes automatic tuning for transparent characteristics if not T.38 or VBD. This now been resolved.
- Changing properties in quick setup in DSL mode could have mistakenly caused enabling ETH WAN (instead of LAN4). This has now been resolved.
- TR-143 throughput tests now present correct values also for high speeds.
- USB dongles used in high speeds could cause a freeze.

### 6.1.3 Known Constraints in Version 4.4.2

Version 4.4.2 includes the following known constraints, which are planned to be fixed in future software versions:

- The DECT handset does not display the name from the phone book when an outgoing call is made.
- If the first call from the DECT handset is configured with “automatic dialing”, a second call cannot be made with this handset.
- Music on Hold (MOH) on DECT calls might sound metallic to the remote side (depending on the configured codecs).
- The MAC cloning feature is not supported.
- To switch between "SIP Security" modes, the MP-26x device needs to be restarted.
- For G.726/16 Payload Type, the option to enter value '102/103' has been blocked.
- Quality of Service (QoS) configuration is not recommended using the Web interface's QoS Wizard (**QoS** menu > **QoS Wizard** tab); instead use the Web interface's Traffic Shaping screen (**QoS** menu > **Traffic Shaping** tab).
- Some USB printers do not function properly with the Network Printer Server feature; depending on their compatibility with Linux systems and driver issues.
- During a Voice call session, the user can send a fax to the remote party only once, and thereafter, the user cannot switch back to the Voice session.
- To ensure that the OPTIONS Keep-Alive feature is fully functional, the remote side must send any message, including a SIP 501 “Not implemented” message.
- Enabling or disabling the ‘Periodic Checking of Configuration file’ feature requires a device reboot.
- A SIP NOTIFY message with a “check-sync” event causes a device reboot, even when there are ongoing calls taking place.
- ‘set\_obscure’ does not work on the ‘;’ character.
- Port forwarding for user "user" should be blocked for well-known ports.
- The following features have Alpha level support (for more information, contact AudioCodes):
  - Backup and Restore
  - Disk Management
  - Managing Disk Partitions
- The following WAN connection types have Alpha level support (for more information, contact AudioCodes):
  - Routed Ethernet Connection over ATM (Routed ETHoA)
  - LAN-WAN Bridged Ethernet Connection over ATM Bridged ETHoA
  - L2TP
- When Bluetooth is enabled, only three concurrent DECT calls are supported, leaving a total of four available concurrent calls. When Bluetooth is disabled, there is a preserved backward capability of a total of four concurrent calls.
- When there are many contacts in a phone book, the Browse and Search feature is slower than usual.
- Occasionally, after pair/unpair of Bluetooth device, ongoing calls are disconnected.
- If the first call is a Bluetooth call, you cannot invoke a second call from this extension.

- In rare occasions, for an incoming Bluetooth call, there may be circumstances where an extension does not ring.
- In rare occasions, for a Bluetooth incoming call, there might be cases where there is no voice.
- There is no Web indication while phone-book synchronization is in process.
- If a contact has multiple numbers, it is split into multiple contact number records with the same contact name.
- AMR-WB codec is supported on a demonstration level only.
- ADSL automatic PVC scan does not work.
- When changing ADSL/VDSL/ETH states, a reboot is done.
- On quick power disconnection/connection cycle, the device fails to boot.
- On some occasions, xDSL WAN-LAN bridge traffic can suffer from some packet loss.
- IPSec fails to connect with some servers.
- When DLNA is enabled, connecting a media with specific files can cause the DLNA not to work.
- DECT Accept and Release features do not work.

## 6.2 Gateway Version 4.4.1

### 6.2.1 New Software Features in Version 4.4.1

The following describes the new software features introduced in Version 4.4.1:

- Low-level Debug Tool Interface (DTI) support for xDSL.
- Local Support and Troubleshooting (LST) for HTTPS (port 443).
- ADSL Annex B (requires different hardware).
- DHCP Options 66 or 66/67 are now supported on the LAN side.
- Auto Attendant greeting can now be saved on the Flash memory of the device instead of on the USB stick.
- Call statistics can now be sent in the SIP BYE message.
- Configuring the underlying device for PPP connection in the Quick Setup page.
- The reboot command is now supported over the SIP NOTIFY message.
- VLAN QoS priorities are now fully configurable (including different PPP priority levels).
- Daylight Saving Time can now be configured not only by fixed dates but also by day of the month.

## 6.2.2 Resolved Constraints in Version 4.4.1

The following lists constraints from previous releases that have now been resolved:

- Call Forwarding now works also in multi-line configurations.
- Modifying the QoS profile doesn't cause a system failure.
- A call transferred to the device doesn't cause a system failure.
- VoIP CWRR fixes in multi-line/extensions scenarios.
- RTSP firewall fix for pause/resume scenario.
- Switch not functioning scenario (in rare occasions).
- Simultaneous ringing on extensions for Australia/New Zealand region settings.
- Media is not replaced with a ringback tone, if a SIP 183 response has been received.
- Memory leak in the BroadSoft PacketSmart module.



## 6.2.3 Known Constraints in Version 4.4.1

Version 4.4.1 includes the following known constraints, which are planned to be fixed in future software versions:

- The DECT handset does not display the name from the phone book when an outgoing call is made.
- If the first call from the DECT handset is configured with “automatic dialing”, a second call cannot be made with this handset.
- Music on Hold (MOH) on DECT calls might sound metallic to the remote side (depending on the configured codecs).
- The MAC cloning feature is not supported.
- To switch between "SIP Security" modes, the MP-26x device needs to be restarted.
- For G.726/16 Payload Type, the option to enter value '102/103' has been blocked.
- Quality of Service (QoS) configuration is not recommended using the Web interface's QoS Wizard (**QoS** menu > **QoS Wizard** tab); instead use the Web interface's Traffic Shaping screen (**QoS** menu > **Traffic Shaping** tab).
- Some USB printers do not function properly with the Network Printer Server feature; depending on their compatibility with Linux systems and driver issues.
- During a Voice call session, the user can send a fax to the remote party only once, and thereafter, the user cannot switch back to the Voice session.
- After the dial tone timeout has expired (and a fast-busy tone is played), the user can still make outgoing calls.
- To ensure that the OPTIONS Keep-Alive feature is fully functional, the remote side must send any message, including a SIP 501 “Not implemented” message.
- Enabling or disabling the ‘Periodic Checking of Configuration file’ feature requires a device reboot.
- A SIP NOTIFY message with a “check-sync” event causes a device reboot, even when there are ongoing calls taking place.
- ‘set\_obscure’ does not work on the ‘;’ character.
- Port forwarding for user "user" should be blocked for well-known ports.

The following features have Alpha level support (for more information, contact AudioCodes):

- Backup and Restore
- Disk Management
- Managing Disk Partitions

The following WAN connection types have Alpha level support (for more information, contact AudioCodes):

- Routed Ethernet Connection over ATM (Routed ETHoA)
- LAN-WAN Bridged Ethernet Connection over ATM Bridged ETHoA
- L2TP
- When Bluetooth is enabled, only three concurrent DECT calls are supported, leaving a total of four available concurrent calls. When Bluetooth is disabled, there is a preserved backward capability of a total of four concurrent calls.
- When there are many contacts in a phone book, the Browse and Search feature is slower than usual.
- Occasionally, after pair/unpair of Bluetooth device, ongoing calls are disconnected.
- If the first call is a Bluetooth call, you cannot invoke a second call from this extension.
- In rare occasions, for an incoming Bluetooth call, there may be circumstances where an extension does not ring.
- In rare occasions, for a Bluetooth incoming call, there might be cases where there is no voice.

- There is no Web indication while phone-book synchronization is in process.
- If a contact has multiple numbers, it is split into multiple contact number records with the same contact name.
- AMR-WB codec is supported on a demonstration level only.
- ADSL automatic PVC scan does not work.
- When changing ADSL/VDSL states, a reboot is done.
- On quick power disconnection/connection cycle, the device fails to boot.
- ZTE MF110/MF626 3G dongles do not work.
- On some occasions, xDSL WAN-LAN bridge traffic can suffer from some packet loss.
- IPSec fails to connect with some servers.
- When DLNA is enabled, connecting a media with specific files can cause the DLNA not to work.
- DECT Accept and Release features do not work.
- Redundancy using DNS-SRV works only if using outbound proxy.

## 6.3 Gateway Version 4.4.0

### 6.3.1 What's New in Version 4.4.0

The following describes the new software features introduced in Version 4.4.0:

- **Installation Wizard:** The new installation wizard provides users with an intuitive step-by-step interface to configure the device. The wizard appears when the device is restored to its default configuration.
- **Internet Protocol Security (IPSec):** The device now supports the IPSec protocol suite for securing IP communications. Both server and client functionalities are supported.
- **Hardware Watchdog:** The hardware watchdog is a new mechanism that automatically detects faults in the device. When enabled, the device's overall processes integrity is checked periodically. If no response is detected, the device restarts.
- **Redundancy using DNS-SRV:** A SIP proxy server can now be defined as a host name with DNS-SRV based redundancy to support multiple proxy servers with failover scenarios.
- **Feature Key improvement:** The following features can now be permitted / blocked with the Feature Key mechanism:
  - Number of SIP lines
  - DLNA
  - IPSec
  - Parental control
  - PacketSmart
  - DSL mode (xDSL, ADSL only or VDSL only)
- **QoS Rate Monitor:** The device can now provide better services to selected network interfaces over other interfaces. This can be used, for example, to limit the traffic on a public Wi-Fi SSID when the traffic on a private SSID is increased.
- **TR-143:** The device now supports the TR-143 protocol that enables network throughput performance tests and statistical monitoring.
- **BroadSoft PacketSmart:** This version integrates BroadSoft's PacketSmart monitoring tool for analyzing network traffic and VoIP calls.
- **Parental Control:** This version enables the regulation, control and monitoring of Internet access.

## 6.3.2 Resolved Constraints in Version 4.4.0

The following lists constraints from previous releases that have now been resolved.

- DECT phone book entries can now be edited.
- Bluetooth calls can now be rejected with DECT HS.
- Internal process synchronization resolving that could cause the device to freeze.
- DECT recovery from bad upgrade procedure was incomplete – caused FXS2 not to work.
- Various SIP scenarios resolved to achieve BroadSoft compliance.
- DHCP Option 121 bug fix, with the ability to disable it if needed.
- Bluetooth contact names that include tag (') can now be synchronized.
- LST limitations in complex environments (multiple WAN environments) have been resolved.
- xDSL WAN-LAN bridge issues have been resolved.
- PPPoA connected with TR-069 caused the device to freeze.
- Software for another MP-26x/MP-27x device cannot be loaded as a protection.
- Redialed numbers by FXS could be incorrectly sent in some cases.
- Wi-Fi Protected Setup (WPS) LED indication has been fixed.
- On some rare occasions, the communication from/to the device froze. This has now been resolved.
- Real Time Streaming Protocol (RTSP) played media fixed firewall issue that could not resume media held in some cases.
- Protection against invalid WPS configurations that can be made via TR-069.
- Resolved various fax scenarios.

### 6.3.3 Known Constraints in Version 4.4.0

Version 4.4.0 includes the following known constraints, which are planned to be fixed in future software versions:

- The DECT handset does not display the name from the phone book when an outgoing call is made.
- If the first call from the DECT handset is configured with “automatic dialing”, a second call cannot be made with this handset.
- Music on Hold (MOH) on DECT calls might sound metallic to the remote side (depending on the configured codecs).
- The MAC cloning feature is not supported.
- To switch between "SIP Security" modes, the MP-26x device needs to be restarted.
- For G.726/16 Payload Type, the option to enter value '102/103' has been blocked.
- Quality of Service (QoS) configuration is not recommended using the Web interface's QoS Wizard (**QoS** menu > **QoS Wizard** tab); instead use the Web interface's Traffic Shaping screen (**QoS** menu > **Traffic Shaping** tab).
- Some USB printers do not function properly with the Network Printer Server feature; depending on their compatibility with Linux systems and driver issues.
- During a Voice call session, the user can send a fax to the remote party only once, and thereafter, the user cannot switch back to the voice session.
- After the dial tone timeout has expired (and a fast-busy tone is played), the user can still make outgoing calls.
- To ensure that the OPTIONS Keep-Alive feature is fully functional, the remote side must send any message, including a SIP 501 “Not implemented” message.
- Enabling or disabling the ‘Periodic Checking of Configuration file’ feature requires a device reboot.
- A SIP NOTIFY message with a “check-sync” event causes a device reboot, even when there are ongoing calls taking place.
- ‘set\_obscure’ does not work on the ‘;’ character.
- Port forwarding for user "user" should be blocked for well-known ports.
- The following features have Alpha level support (for more information, contact AudioCodes):
  - Backup and Restore
  - Disk Management
  - Managing Disk Partitions
- The following WAN connection types have Alpha level support (for more information, contact AudioCodes):
  - Routed Ethernet Connection over ATM (Routed ETHoA)
  - LAN-WAN Bridged Ethernet Connection over ATM Bridged ETHoA
  - L2TP
- When Bluetooth is enabled, only three concurrent DECT calls are supported, leaving a total of four available concurrent calls. When Bluetooth is disabled, there is a preserved backward capability of a total of four concurrent calls.
- When there are many contacts in a phone book, the Browse and Search feature is slower than usual.
- Occasionally, after pair/unpair of Bluetooth device, ongoing calls are disconnected.
- If the first call is a Bluetooth call, you cannot invoke a second call from this extension.
- In rare occasions, for an incoming Bluetooth call, there may be circumstances where an extension does not ring.
- In rare occasions, for a Bluetooth incoming call, there might be cases where there is no voice.
- There is no Web indication while phone-book synchronization is in process.

- If a contact has multiple numbers, it is split into multiple contact number records with the same contact name.
- AMR-WB codec is supported on a demo level only.
- ADSL automatic PVC scan does not work.
- When changing ADSL/VDSL states, a reboot is done.
- On quick power disconnection/connection cycle, device fails to boot.
- Some types of 3G dongles ZTE MF110/MF626 do not work.
- On some occasions, xDSL WAN-LAN bridge traffic can suffer from some packet loss.
- LST does not intercept HTTPS (port 443).
- IPSec fails to connect against some servers.
- Advanced VoIP features (Call Forward, DND) don't work properly.
- When DLNA is enabled, connecting a media with specific files can cause the DLNA not to work.
- DECT Accept and Release do not work.
- Subscribing to an MWI subscriber does not work.
- Redundancy using DNS-SRV works only if using outbound proxy.
- Call forward, DND, and MWI don't work properly, mainly in multi-line configuration.

## 6.4 Gateway Version 4.2.2

### 6.4.1 What's New in Version 4.2.2

The following describes the new software features introduced in Version 4.2.2:

- **Active FTP for provisioning:** The device now supports the FTP active mode (in addition to the already supported passive mode) for download of firmware and configuration files.
- **Web display enhancements:** The upper bar (that includes the logo and device name) and side bar (that includes the configuration menu) now have fixed positions. They are displayed also when the user scrolls down.
- **Audio gain in FXS levels:** It is now possible to set the level of audio gain on the SLIC level.
- **Provisioning support for DHCP Option 66 without Option 67:** Each WAN can now interface to pre-define a file name. This allows the device to receive DHCP replies only with Option 66.
- **Enhanced implementation of search/display of DECT phone-book and call lists:** The internal database holding the phone-book and call lists has been improved to provide enhanced search performance. The search mechanism now also searches according to surname.

## 6.4.2 Resolved Constraints in Version 4.2.2

The following lists constraints from previous releases that have now been resolved:

- Miscellaneous VoIP SIP fixes
- The Wi-Fi auto channel selection mechanism chose an incorrect channel; a correct channel is now chosen.
- Following an unsuccessful upgrade, the device failed to send a TR-069 - 9010 failure message to the ACS server; this message is now sent successfully.
- The following DECT issues have now been resolved:
  - A call can now be rejected.
  - The Message Waiting Indication (MWI) icon did not appear on the LCD display when there was a voice mail message; this icon now appears.
  - Metallic voice scenarios have been fixed.
  - An internal transfer from a DECT handset to FXS behaves differently than an inter-DECT transfer. The behavior is now consistent for both of these scenarios.
  - The missed calls counter might be incorrect when using multiple lines. This counter is now correct, when using multiple lines.
- When the 'Automatically Check for New Configuration File' option was selected during either a Firmware Upgrade or Configuration Upload, the software upgrade process might fail. Now when this option is selected, the upgrade process is successful.
- In multiple WAN environments, specifying the WAN interface that should be used for TR-069 management did not work. The WAN interface can now be specified correctly.



### 6.4.3 Known Constraints in Version 4.2.2

Version 4.2.2 includes the following known constraints, which are planned to be fixed in future software versions:

- The DECT handset does not display the name from the phone book when an outgoing call is made.
- Calling your own number is not supported.
- The DECT calls list contains all extensions, even when configured on different lines.
- If the first call from the DECT Handset is configured with “automatic dialing”, a second call cannot be made with this Handset.
- Music on Hold (MOH) on DECT calls might sound metallic to the remote side (depending on the configured codecs).
- The MAC cloning feature is not supported.
- To switch between "SIP Security" modes, the MP-26x device needs to be restarted.
- For G.726/16 Payload Type, the option to enter value '102/103' has been blocked.
- Quality of Service (QoS) configuration is not recommended using the Web interface's QoS Wizard (**QoS** menu > **QoS Wizard** tab); instead use the Web interface's Traffic Shaping screen (**QoS** menu > **Traffic Shaping** tab).
- Some USB printers do not function properly with the Network Printer Server feature; depending on their compatibility with Linux systems and driver issues.
- During a voice call session, the user can send a fax to the remote party only once, and thereafter, the user cannot switch back to the voice session.
- After the dial tone timeout has expired (and a fast-busy tone is played), the user can still make outgoing calls.
- To ensure that the OPTIONS Keep-Alive feature is fully functional, the remote side must send any message, including a SIP 501 “Not implemented” message.
- Enabling or disabling the ‘Periodic Checking of Configuration file’ feature requires a device reboot.
- A SIP NOTIFY message with a “check-sync” event causes a device reboot, even when there are ongoing calls taking place.
- ‘set\_obscure’ does not work on the ‘;’ character.
- Port forwarding for user "user" should be blocked for well-known ports.
- The following features have Alpha level support (for more information, contact AudioCodes):
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  - L2TP
- When Bluetooth is enabled, only three concurrent DECT calls are supported, leaving a total of four available concurrent calls. When Bluetooth is disabled, there is a preserved backward capability of a total of four concurrent calls.
- When there are many contacts in a phone book, the browse and search feature is slower than usual.
- Occasionally, after pair/unpair of Bluetooth device, ongoing calls are disconnected.
- Contacts with single tag (') are not synchronized.
- If the first call is a Bluetooth call, you cannot invoke a second call from this extension.

- In rare occasions, for an incoming Bluetooth call, there may be circumstances where an extension does not ring.
- In rare occasions, for a Bluetooth incoming call, there might be cases where there is no voice.
- There is no Web indication while phone-book synchronization is in process.
- If a contact has multiple numbers, it is split into multiple contact number records with the same contact name.
- AMR-WB codec is supported on a demo level only.
- ADSL automatic PVC scan does not work.
- When changing ADSL/VDSL states, a reboot is done.
- On quick power disconnection/connection cycle, device fails to boot.
- Some types of 3G dongles ZTE MF110/MF626 do not work.

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# **Release Notes**