

# Release Note FOR Alcatel-Lucent Enterprise Myriad and Halo series DeskPhone R150

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This document provides the configuration details required for Alcatel-Lucent Enterprise Myriad and Halo series DeskPhone R150 connecting to 3rd party SIP Server.

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## Revision History

Edition 1: February 26, 2025      creation of the document (version: 2.15.10.000.3000)

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# Table of contents

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1 Introduction .....	3
2 Release Notes for Version 2.15.10.000.3000 .....	3
2.1 New Features .....	3
2.2 Optimization .....	3
2.3 Bug Fixes.....	3
2.4 New Features Descriptions .....	4

# 1 Introduction

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**Firmware Version:** 2.15.10.000.3000

**Supported Models:** H3G/H6/M3s/M5s/M7s/M7s Pro/M8

You can download the firmware from

- **MyPortal:**

[H6/H3G SIP R2.15.10.000.3000](#)

[M3s, M5s, M7s, M7s Pro SIP R2.15.10.000.3000](#)

[M8 SIP 2.15.10.000.3000](#)

- **ALE Device Website:**

[Download Center](#)

## 2 Release Notes for Version 2.15.10.000.3000

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### 2.1 New Features

1. Added support for 802.1x authentication.
2. Added support for wallpaper preview.
3. Added support for select directory when input the value of a programmable key.
4. Added support for LDAP key type in programmable key.
5. Added support for adaptive jitter buffer.
6. Added support for 182 queued.
7. Added support for uploading customization local contact avatar.
8. Added support for specifying username and password in HTTP URL.

### 2.2 Optimization

1. Upgrade to OpenSSL 3.0.
2. Default SIP account support switch automatically.
3. Local Directory Import Support Incremental Mode.
4. Busy Forward has a higher priority than DND.
5. Speed dial key supports configuring account as Auto.
6. Audio hub supports hybrid conferences with PC and mobile call.
7. M7s and M7s Pro support up to 6 pcs EM200.

## 2.3 Bug Fixes

List of bugs fixed
DND is not enabled for all accounts when DND/Forward mode is set to "phone".
WBM menu name incorrect.
The phone should be shown at 12:xx AM instead of 00:xx AM.
The BSFT network conference does not work.
The phone cannot connect to EDM after upgrading.
The phone will reboot automatically sometimes.
Press call softkey can't call out in LDAP page.
No ring audio after transferring a call in a conference meeting.
[H3G] The voice is bad during the calling.
[H3G] The DTMF does not work.
[H6] The screen saver cannot be applied via auto-p.
[M8] [BSFT] ACD icon does not change after logged in.
[M8] [BSFT] Connected Line ID Restriction, M8 does not show correct caller ID.

## 2.4 New Features Descriptions

1. Added support for 802.1x authentication.

The ALE deskphones support the following protocols for 802.1x authentication:

- EAP-MD5
- EAP-TLS (requires Device and CA certificates, requires no password)
- EAP-PEAP/MSCHAPv2 (requires CA certificates)
- EAP-PEAP/GTC (requires CA certificates)
- EAP-TTLS/MSCHAPv2 (requires CA certificates)

The following table lists the parameters you can use to configure 802.1x.

<b>Parameter</b>	DeviceNetwork8021xMethod	config.xml
<b>Description</b>	It configures the 802.1x authentication method.	
<b>Permitted Values</b>	0 - EAP-None 1 - EAP-MD5 2 - EAP-TLS 3 - EAP-PEAP/MSCHAPv2 4 - EAP- PEAP/GTC 5 - EAP-TTLS/ MSCHAPv2	
<b>Default</b>	0	
<b>Parameter</b>	DeviceNetwork8021xIdentity	config.xml

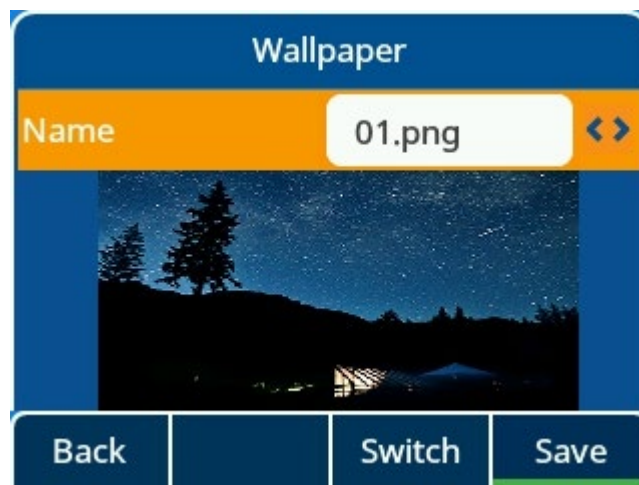
Description	It configures the identity (username) for 802.1x authentication.	
Permitted Values	String within 64 characters	
Default	Blank	
Parameter	DeviceNetwork8021xPassword	config.xml
Description	It configures the password for 802.1x authentication. <b>Note:</b> It is required for all methods except EAP-TLS.	
Permitted Values	String within 64 characters	
Default	Blank	
Parameter	DeviceNetwork8021xAnonymousIdentity	config.xml
Description	It configures the anonymous identity (username) for 802.1X authentication. It is used for constructing a secure tunnel for 802.1X authentication. <b>Note:</b> It works only if “DeviceNetwork8021xMethod” is set to 2, 3, 4 or 5.	
Permitted Values	String within 256 characters	
Default	Blank	
Parameter	DeviceNetwork8021xClientCertUrl	config.xml
Description	It configures the URL for uploading the 802.1x client certificate. The format of the certificate must be *.pem. You can configure the value to “delete” to delete the certificate. <b>Note:</b> It works only if “DeviceNetwork8021xMethod” is set to 2 (EAP-TLS).	
Permitted Values	String within 256 characters	
Default	Blank	
Parameter	DeviceWifi[1-5]AuthMode	config.xml
Description	It configures the authentication method of AP.	
Permitted Values	0 - NONE 1 - WPA/WPA2 PSK 2 - WEP 3 - 802.1x EAP	
Default	0	

Web UI	Network → Wi-Fi	
Phone UI	Menu → Basic Setting → Wi-Fi → Wi-Fi Manager	
Parameter	DeviceWifi[1-5]8021xMethod	config.xml
Description	It configures the 802.1x EAP authentication method of a specific wireless network. <b>Note:</b> It works only if “DeviceWifi[1-5]AuthMode” is set to 3.	
Permitted Values	0 - EAP-PWD 1 - EAP-TLS 2 - EAP-PEAP/MSCHAPv2 3 - EAP- PEAP/GTC 4 - EAP-TTLS/ MSCHAPv2	
Default	0	
Web UI	Network → Wi-Fi → Add	
Phone UI	Menu → Basic Setting → Wi-Fi → Wi-Fi Manager → Add	
Parameter	DeviceWifi[1-5]8021xIdentity	config.xml
Description	It configures the 802.1x EAP authentication username of a specific wireless network.	
Permitted Values	String within 64 characters	
Default	Blank	
Web UI	Network → Wi-Fi → Add	
Phone UI	Menu → Basic Setting → Wi-Fi → Wi-Fi Manager → Add	
Parameter	DeviceWifi[1-5]8021xPassword	config.xml
Description	It configures the 802.1x EAP authentication password of a specific wireless network.	
Permitted Values	String within 256 characters	
Default	Blank	
Web UI	Network → Wi-Fi → Add	
Phone UI	Menu → Basic Setting → Wi-Fi → Wi-Fi Manager → Add	
Parameter	DeviceWifi[1-5]8021xAnonymousIdentity	config.xml
Description	It configures the anonymous identity (username) for Wi-Fi 802.1x EAP authentication. <b>Note:</b> It works only if “DeviceWifi[1-5]8021xMethod” is set to 1, 2, 3 or 4.	
Permitted Values	String within 256 characters.	

Default	Blank	
Web UI	Network → Wi-Fi → Add	
Phone UI	Menu → Basic Setting → Wi-Fi → Wi-Fi Manager → Add	
Parameter	DeviceWifi8021xAuthEnable	config.xml
Description	It enables or disables 802.1x EAP-TLS server certificate verification of a specific wireless network.	
Permitted Values	false - disable true - enable	
Default	false	

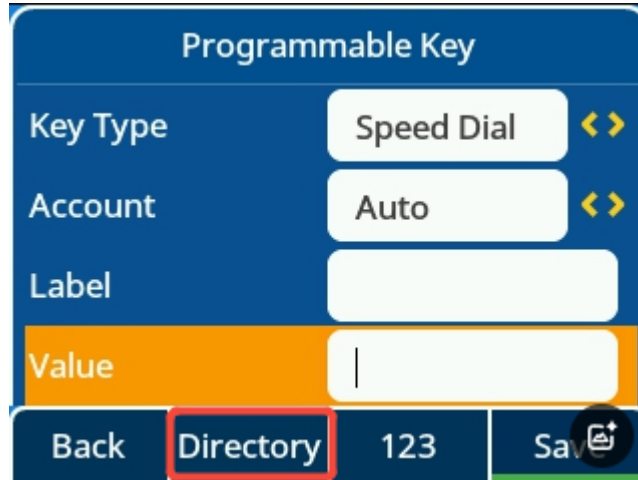
2. Added support for wallpaper preview.

H6, M5s, M7s, M7s Pro and M8 support wallpaper preview.



3. Added support for select directory when input the value of a programmable key.

The following programmable key types support select directory when input the value: Speed Dial, BLF, Transfer, Conference, Forward, Voicemail, Direct Pickup, Group Pickup, Intercom, Call Park, Retrieve Park, Push To Talk.



**Programmable Key**

Key Type: Speed Dial <>

Account: Auto <>

Label: [Empty]

Value: [Empty]

Back Directory 123 Save

4. Added support for LDAP key type in programmable key.

Support configuring LDAP on programmable keys. This key type can be configured only when the LDAP feature is enabled.



**Programmable Key**

Key Type: LDAP <>

Label: [Empty]

Back Switch Save

5. Added support for adaptive jitter buffer.

The ALE deskphones support two types of jitter buffers: static and adaptive. A static jitter buffer adds the fixed delay to voice packets. You can configure the delay time for the static jitter buffer on the phones. An adaptive jitter buffer is capable of adapting the changes in the network's delay. The range of the delay time for the dynamic jitter buffer added to packets can be also configured on the phones.

The following table lists the parameters you can use to configure the jitter buffer.

Parameter	SettingJitterBufferMode	config.xml
Description	It configures the mode of jitter buffer in the wired network.	
Permitted Values	0 - Adaptive 1 - Static	



Default	0	
Parameter	<b>SettingJitterBufferMin</b>	<b>config.xml</b>
Description	It configures the minimum delay time (in milliseconds) of the jitter buffer in the wired network. <b>Note:</b> It works only if “ <b>SettingJitterBufferMode</b> ” is set to 0 (Adaptive). The value of this parameter should be less than or equal to that of “ <b>SettingJitterBufferMax</b> ”.	
Permitted Values	Integer from 0 to 600	
Default	20	
Parameter	<b>SettingJitterBufferMax</b>	<b>config.xml</b>
Description	It configures the maximum delay time (in milliseconds) of the jitter buffer in the wired network. <b>Note:</b> It works only if “ <b>SettingJitterBufferMode</b> ” is set to 0 (Adaptive). The value of this parameter should be greater than or equal to that of “ <b>SettingJitterBufferMin</b> ”.	
Permitted Values	Integer from 0 to 600	
Default	250	
Parameter	<b>SettingJitterBufferNormal</b>	<b>config.xml</b>
Description	It configures the normal delay time (in milliseconds) of the jitter buffer in the wired network. <b>Note:</b> The value of this parameter should be greater than or equal to that of “ <b>SettingJitterBufferMin</b> ” and less than or equal to that of “ <b>SettingJitterBufferMax</b> ”.	
Permitted Values	Integer from 0 to 600	
Default	50	
Parameter	<b>SettingWifiJitterBufferMode</b>	<b>config.xml</b>
Description	It configures the mode of jitter buffer in the wireless network.	
Permitted Values	0 - Adaptive 1 - Static	
Default	0	
Parameter	<b>SettingWifiJitterBufferMin</b>	<b>config.xml</b>
Description	It configures the minimum delay time (in milliseconds) of the jitter buffer in the wireless network.	

	<b>Note:</b> It works only if “ <b>SettingWifiJitterBufferMode</b> ” is set to 0 (Adaptive). The value of this parameter should be less than or equal to that of “ <b>SettingWifiJitterBufferMax</b> ”.	
Permitted Values	Integer from 0 to 600	
Default	20	
Parameter	<b>SettingWifiJitterBufferMax</b>	<b>config.xml</b>
Description	It configures the maximum delay time (in milliseconds) of the jitter buffer in the wireless network. <b>Note:</b> It works only if “ <b>SettingWifiJitterBufferMode</b> ” is set to 0 (Adaptive). The value of this parameter should be greater than or equal to that of “ <b>SettingWifiJitterBufferMin</b> ”.	
Permitted Values	Integer from 0 to 600	
Default	250	
Parameter	<b>SettingWifiJitterBufferNormal</b>	<b>config.xml</b>
Description	It configures the normal delay time (in milliseconds) of the jitter buffer in the wireless network. <b>Note:</b> The value of this parameter should be greater than or equal to that of “ <b>SettingWifiJitterBufferMin</b> ” and less than or equal to that of “ <b>SettingWifiJitterBufferMax</b> ”.	
Permitted Values	Integer from 0 to 600	
Default	50	

6. Added support for 182 queued.

The following table lists the parameters you can use to configure the 182 queued.

Parameter	<b>SettingSecondCallReplyMethod</b>	<b>config.xml</b>
Description	It configures the signaling for replying to new incoming call during a call.	
Permitted Values	0 - 180 Ringing 1 - 182 Queued	
Default	0	
Parameter	<b>SettingDeal182Enable</b>	<b>config.xml</b>
Description	It configures whether the phone will ring a special tone after receiving the 182 message.	

Permitted Values	false - disable true - enable
Default	false

7. Added support for uploading customization local contact avatar.

The following table lists the parameters you can use to upload and delete the customization local contact avatar.

Parameter	DirectoryAvatarUrl	config.xml
Description	<p>It configures the access URL of a contact avatar file.</p> <ul style="list-style-type: none"> <li>• Need to configure the absolute path.</li> <li>• Format: png, jpg, bmp, jpeg, single file size ≤1MB, resolution ≤ 0.5 mega-pixels.</li> <li>• Support upload multiple avatars by zip file.</li> </ul>	
Permitted Values	URL within 511 characters.	
Default	Blank	
Parameter	DirectoryAvatarDelete	config.xml
Description	Used to delete the contact avatar file.	
Permitted Values	<p>/all - Delete all custom avatar</p> <p><i>Filename</i> - Delete the specified custom avatar file</p>	
Default	Blank	

8. Added support for specifying username and password in HTTP URL.

Format: <http://username:password@server/>

Example: <http://admin:123456@10.10.1.1/autop>

## Submitting a Service Request

Please connect to our [eService Request](#) application.

Before submitting a Service Request, please be sure:

- The application has been certified via the AAPP if a third party application is involved.
- You have read the release notes that list new features, system requirements, restrictions, and more, and are available in the [Technical Documentation Library](#).
- You have read through the related troubleshooting guides and technical bulletins available in the [Technical Documentation Library](#).
- You have read through the self-service information on commonly asked support questions and known issues and workarounds available in the [Technical Knowledge Center](#).

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