| Release Note | Myriad and Halo series Deskphone |

Release Note FOR Alcatel-Lucent Enterprise Myriad and Halo series DeskPhone R160

This document provides the configuration details required for Alcatel-Lucent Enterprise Myriad and Halo series DeskPhone R160 connecting to 3rd party SIP Server.

Revision History

Edition 1: June 18, 2025   creation of the document (version: 2.16.01.000.3130)

Table of contents

1 Introduction

Firmware Version: 2.16.01.000.3130

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

You can download the firmware from

- MyPortal:

[H6/H3G SIP R2.16.01.000.3130](#)

[M3s, M5s, M7s, M7s Pro SIP R2.16.01.000.3130](#)

[M8 SIP R2.16.01.000.3130](#)

- ALE Device Website:

[Download Center](#)

2 Release Notes for Version 2.16.01.000.3130

2.1 New Features

1. XML Browser support

2. Adding the support of early media detection after SIP 18x message

3. Supporting hide/unhide the conversation page by pressing left and right navigation keys

4. SHA256 support for SIP and HTTPS

5. Account ringtone support

6. Supporting screen saver and booting picture customization through WBM

7. Supporting phone language setting through WBM

8. Adding new parameter to control function of long pressing for factory reset

9. Supporting importing customer certificates through SCEP

10. AES256 support

11. Supporting OPUS dynamic payload type

12. Compatible with ALE new DECT headset

13. One Press Setting Up Local Conference

14. Supporting customer certificate through auto provisioning way

2.2 Optimization

1. Be able to show the LDAP contact when making call

2. Not interrupting the ongoing call when doing auto provisioning

3. Optimizing auto provisioning parameter writing

2.3 Bug Fixes

List of bugs fixed
Phone MMI shows unregistered while SIP UA is actually registered in wireless environment
The voice quality of speaker microphone is bad
M3 sets do not have proper text formatting for missed call and voice messages
M3/M5/M7/ALE-2/H3G need better consistency when transferring on key labels
On changing the immediate forward to the number on the phone, we had to delete the "voicebox" name on the on the "forward to" field

2.4 New Features Descriptions
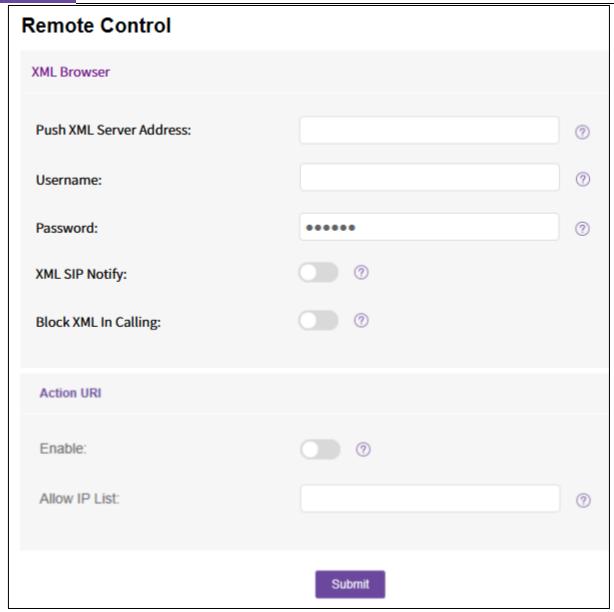
1. XML Browser support

Optimize the XML Browser capability, add the post and SIP notify methods, and optimize the file format at the same time.

Noted that the old and new file formats cannot be mixed.

Parameter	FeatureXmlBrowserUsername	config.xml
Description	Configure the authentication username of the XML Browser.	
Permitted Values	String within 32 characters.	
Default	Blank	
Parameter	FeatureXmlBrowserPassword	config.xml
Description	Configure the authentication password of the XML Browser.	
Permitted Values	String within 32 characters.	
Default	Blank	
Parameter	FeaturePushXmlServer	config.xml
Description	Configure the phone to allow receiving the server IP address or domain name that sends XML events via HTTP(S) POST.	
Permitted Values	• Blank: The phone will reject XML event messages sent from any server. (Default value) • any: The phone will receive XML event messages sent from any server. • IP address or domain name: Used for multiple addresses; Separation. Support wildcard *, where each * represents an interval segment of the IP address (for example, 10.1.*.* represents 10.1.0.0 to 10.1.255.255)	
Default	Blank	
Parameter	FeaturePushXmlUsername	config.xml
Description	Configure the authentication username of the Push XML server.	
Permitted Values	String within32 characters	
Default	Blank	
Parameter	FeaturePushXmlPassword	config.xml
Description	Configure the authentication password of the Push XML server. XML messages can be pushed to the phone only when the authenticated username and password sent by the server match those configured on the phone.	
Permitted Values	String within 32 characters	
Default	Blank	
Web UI	Features-Remote Control	
Parameter	FeatureBlockXmlInCallingEnable	config.xml
Description	Enable or disable the phone to prevent XML applications in the call state (including incoming and outgoing calls).	

Permitted Values	False – disabled
	True - enabled
Default	false
Parameter	**FeatureXmlSipNotifyEnable**	**config.xml**
Description	Enable or disable the phone to receive XML messages pushed via SIP Notify.
Permitted Values	False – disabled
	True - enabled
Default	false
Web UI	**Features-Remote Control**

Remote Control

XML Browser

Push XML Server Address: [   ] ⑦

Username: [   ] ⑦

Password: [●●●●●●] ⑦

XML SIP Notify: ⬤○ ⑦

Block XML In Calling: ⬤○ ⑦

Action URI

Enable: ⬤○ ⑦

Allow IP List: [   ] ⑦

[Submit]

Notify example：

```
NOTIEY sip: 303@192.168.168.75:5063 SIP/2.0
From: "303"<sip:303@192.160.168.200>;tag-41e83658-c0a8a8c8-13c4-50022-1a1b1-17e4bacd-1a1b1
To: "303"<sip:303@192.168.168.200>;tag-593303487
Ca11-ID: 332200269@192.168.168.75
Cseg: 2 NOTIEY
Via: SIP/2.0/UDP 192.168.168.200:5060;rport;branch=z9hG4bK-1a22f-6618b71-5c4a8ac7
Subscription-state: active
Event: ALE-xml
Max-Forwards: 70
Supported: replaces,timer
Contact: <sip:303@192.168.168.200>
Content-Type: application/xml
Content-Length: 1353<?xml version="1.0" encoding="ISO-8859-1"?>

<PegasusTextMenu>

  <Homebar> Services</Homebar>

  <TextMenu
      numbered="yes"
      beep="no"
      timeout="30"
      lockin="no">
    <Item id="0">
     <Prompt>Browser</Prompt>
     <URI>http://10.2.1.10/Browser/google.php?user=xxx</URI>
     <Dial>123</Dial>
    </Item>
    <Item id="1">
     <Prompt>News</Prompt>
     <URI>http://10.2.1.10/rss/rss.php?feed=news</URI>
     <Dial>1000</Dial>
    </Item>

  </TextMenu>
</PegasusTextMenu>
```

2. Adding the support of early media detection after SIP 18x message

The device is receiving: 183, 180, 183, 180.

1. When it receives a 183 (with SDP), it should listen the remote media flow and use it as Ring back tone.

2. When it receives a 180 (without SDP), it should play its own local ring back tone and stop using the remote media flow (to avoid the double ring back tone issue).

Parameter	SIPEarlyMediaMonitorTimeout	config.xml
Description	Configure how long the phone waits to play the local ringback tone when the 180 or 183 messages received by the phone have SDP but early media fails to play.	
Permitted Values	0 - Do not play local ringback tones 1-100 - Play the local ringback tone after the specified time (unit: seconds)	
Default	1	

3. Supporting hide/unhide the conversation page by pressing left and right navigation keys

During a call, users are allowed to hide and display the call interface by using the left and right keys.
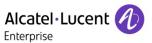
4. SHA256 support for SIP and HTTPS

Support for SIP interaction and HTTP interaction process authentication has been added. Originally, only MD5 was supported, but now the support capability for SHA-256 has been added.

5. Account ringtone support

Add parameters to set the ringtones of incoming calls for different accounts.

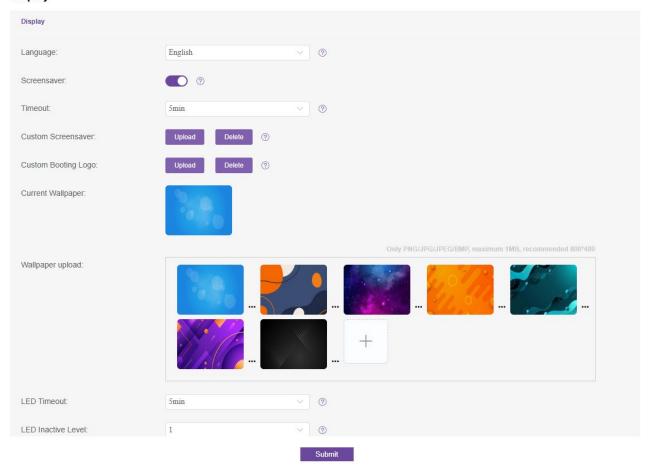| Parameter	Account[X]RingInternal	config.xml
Description	Configure the ringtone for incoming calls from internal numbers of individual accounts.	
Permitted Values	Common (default value), indicating the global ringtone set using the AudioRingInternalChoice parameter Light Bounce Discovery Lounge Uptown Morning Lights Miami Far East Hight Speed Rain Drops Deep Space Steam Train Happy Decrescendo Strident Peacefulness Verticals Classic Ring1 Classic Ring2 Classic Ring3 Classic Ring4	
Default	Common	
Parameter	Account[X]RingExternal	config.xml
Description	Configure the ringtone for incoming calls from external numbers of individual accounts.	
Permitted Values	Common (default value), indicating the global ringtone set using the AudioRingInternalChoice parameter Light Bounce Discovery Lounge Uptown	

	Morning Lights
	Miami
	Far East
	Hight Speed
	Rain Drops
	Deep Space
	Steam Train
	Happy
	Decrescendo
	Strident
	Peacefulness
	Verticals
	Classic Ring1
	Classic Ring2
	Classic Ring3
	Classic Ring4
Default	Common

6. Supporting screen saver and booting picture customization through WBM

The R160 version allows setting the language of the LCD, the screen saver image, and the startup logo via the web page. Please note that the format of the picture must strictly follow the specifications of the phone.

Display

7. Adding new parameter to control function of long pressing for factory reset

Parameter	FeatureResetByLongPressEnable	config.xml
Description	It enables or disables the phone to reset to factory by long pressing Conference/Headset key.	
Permitted Values	False - disable true - enable	
Default	True	

8. Supporting importing customer certificates through SCEP

For the DHCP server configuration, to add the new parameters addressed above, we add 2 sub options applied for this reason.

Option 43-> Sub-option 70 for SCEP URL
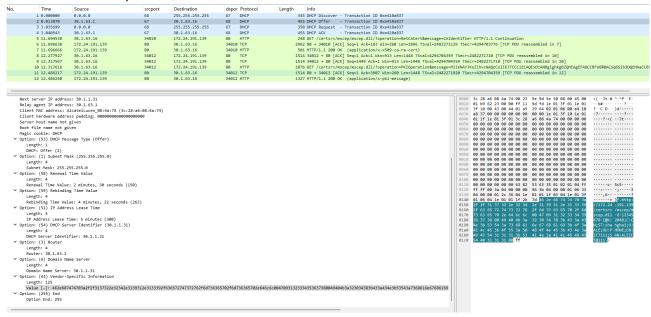
For example: https://au.scep.com/cql/scep_client.exe

Option 43->Sub-option 71 for Challenge password

This option is optional when SCEP URL is configured, if not configured or configured with an error format (too long or too short or including unsupported characters), we consider as without challenge password configured.

New sub-option 73 is supported to allow user to customize some parameter of SCEP

Option 43->Sub-option 73 for CSR customization

This option is optional when SCEP URL is configured, if not configured or configured with an error format (too long or too short or including unsupported characters or with unrecognized format), we consider the whole option invalid and use default value.

9. AES256 support (rfc6188)

Add negotiation support for the AES encryption algorithm, which can be negotiated and used in SRTP.

AES_256_CM_HMAC_SHA1_32

AES_256_CM_HMAC_SHA1_80

Parameter	SIPAesKeyPriority	config.xml
Description	It configures the priority of AES algorithm in SDP negotiation	
Permitted Values	0 - AES_CM_128_HMAC_SHA1_80 1 - AES_CM_128_HMAC_SHA1_32 2 - AES_256_CM_HMAC_SHA1_80 3 - AES_256_CM_HMAC_SHA1_32	
Default	0;1	

10. Supporting OPUS dynamic payload type

The R160 added support for parameter Settings of the payload sent by opus codec during call initialization to meet different customer requirements.

Parameter	Account[X]OpusPayloadType	config.xml
Description	configures the payload type of OPUS codec.	
Permitted Values	96-127	
Default	125	

11. Compatible with ALE new DECT headset

Added support for the new headphones, the ALE AD5X wireless Bluetooth headphones.

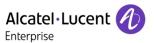## 12. One Press Setting Up Local Conference

The R160 controls whether a call established after pressing the conference button during a call automatically joins the conference directly through parameters.

Parameter	FeatureLocalConfOnePressSetUpEnable	config.xml
Description	Configure to enable or disable the one-click meeting creation function.	
Permitted Values	False - Disabled. After the user establishes a call with a third party, they need to press the Conference Key again to establish a Local Conference (default value). True - Enabled. After the user establishes a call with a third party, it will be directly pulled into the Local Conference	
Default	false	

13. Supporting customer certificate through auto provisioning way

In R160, besides existing WBM way, add the supporting of customer certificate through auto provisioning way.

Parameter	DeviceSecurityClientCertUrl	config.xml
Description	It configures the customer client certificate download url.	
Permitted Values	String within 256 characters.	
Default	Blank	

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.

- END OF DOCUMENT -