

Metaswitch SIP Provisioning Server Endpoint Pack Documentation

This document explains how to use a specific endpoint pack with the Metaswitch SIP Provisioning Server. If you require further help using this pack and this is an accredited or certified device then Metaswitch will be able to provide assistance. For community packs, please contact the pack author.

For further details on how to develop or extend endpoint packs please see the official documentation, including “Creating an Endpoint Pack”. To find out more about your SIP end-point,

Note: this endpoint pack is only compatible with SIP PS SDK version 2.04 and above. It should not be installed on systems using earlier versions. If you are unsure which version of SIP PS SDK you are running, see <https://communities.metaswitch.com/docs/DOC-91097> for a guide.

For general information on how to use the SIP Provisioning Server, please contact your Metaswitch representative.

Pack Details

Endpoint Pack ID	Yealink_W52P_certified
Author	Yealink Network Technology Co., Ltd
Minimum SIP PS Version	2.04
Version	4
Support contact	support@yealink.com
Date of Publication	2015-05-30
End-point Vendor	Yealink
End-point devices covered by this pack	W52P
Firmware version(s) included	Base: W52P-Base-25.73.202.1.rom Handset: W52P-Handset-26.73.202.1.rom

Setup Instructions

DHCP Option to use	Option 66
DHCP URL	http[s]://example.com/sip-ps/
How to configure provisioning URL via web interface	Click on “Phone” on the menu, then “Auto Provision”. Type the URL into the “Provisioning Server” box.
How to configure provisioning URL via endpoint menu	Menu->Settings->Advanced Settings->Auto Provision
Authorisation mode	HTTP Digest
Non-alphanumeric character input instructions (enter n/a if not possible to enter)	

Authentication Login

HTTP Digest login instructions

Note: W52P only supports pre-configured the user name and password in the Web interface.

Operation steps: Click on "Phone" on the menu, then "Auto Provision". Type the Username into the "User Name" box. Type the passwd into the "Password" box. and reboot.

Default Settings

Default user password for web UI	user
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Default passwords for endpoint menu, if different from web UI

Default admin password for web UI	admin
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Miscellaneous

This pack is compatible with Yealink firmware X.73.202.X. If an endpoint of other firmware is provisioned then it will be given this version automatically .

Changes to MWI defaults

Please note that the behaviour in the pack has now changed so that phones do not SUBSCRIBE to MWI by default. This is because the CFS Remote Media Gateway Model fixbit "Expects unsolicited MWI" is set by default in our recommended RMGMs. There are now two options:

- **"Phone uses unsolicited MWI" (default):** the phone does not send SUBSCRIBEs to MWI. If this is chosen the "Expects unsolicited MWI" fixbit should be checked in the Remote Media Gateway Model.
- **"Phone subscribes to MWI":** the phone does send SUBSCRIBEs to MWI. If this is chosen the "Expects unsolicited MWI" fixbit should be NOT be checked in the Remote Media Gateway Model. If the phone is a shared line then it will not be able to subscribe and you should use "Phone uses unsolicited MWI".

If you wish your phones to continue sending SUBSCRIBEs to MWI after installing the latest version of this pack, you will need to change the MWI setting to "Phone subscribes to MWI".

Release Notes

Change	Comments	SFR (if applicable)
Fixed the issue that the dect couldn't	The Conference option was lost by chance when user created a conference call. This has been fixed.	

create a conference.

Fixed the issue that user couldn't perform a semi-attended transfer.

There was a "Transfer Failed" prompt on the LCD screen when user performed a semi-attended transfer. This has been fixed.

Fixed the factory setting value of Auto Provisioning URL.

The new value was set to null.

Adjusted the module layout.

The module of "Line N" was now moved to be a single one, and the old module of "User" was deleted.

Adjusted the module layout.

Moved the module of "User-->Locale" to the new module of "Preferences-->Time&Date" and the "Preferences-->Language".

Adjusted the module layout.

Moved the module of "Provisioning-->Transport" to "Preference-->WEB GUI".

Adjusted the module layout.

Moved the module of "Network Settings--Diagnostics" to "Provisioning-->Diagnostics".

Added the feature that the Time zone can synchronize with the server

A new valid value has been added to configure TimeZone Sync. If you configure "Match My Account" as the default value of TimeZone, the phone will match DST & TimeZone sync settings with the Metaswitch EAS/CFS Account .

Match My Account

To configure this feature via CommPortal phone configurator: Preferences->Time & Date->Time Zone .

For more information, refer to

Yealink_Dect_Phones_Integrated_with_Metaswitch_Configuring_Guide.

Added a new feature of DND Sync for Shared Line

A new configuration has been added to enable or disable the DND synchronization feature for the shared line.

DND Sync for Shared Line

To configure this feature via CommPortal phone configurator: Features-> DND

For more information, refer to

Yealink_Dect_Phones_Integrated_with_Metaswitch_Configuring_Guide.

Added two CommPortal Phone Applications

Added two CommPortal Phone Applications as follows:

- Network Contacts
- Network Call List

To configure this feature via CommPortal phone configurator: Features-->CommPortal Phone Apps

For more information, refer to
*Yealink_Dect_Phones_Integrated_with_Metaswitch_CommPorta
l_Phone_Applications_User_Guide.*

Handsets
Name

A new configuration has been added to configure the name of handset.

- Handset Name

To configure this feature via CommPortal phone configurator:
Handsets-->Handset N-->Handset Name

Multiple new configurations have been added to configure the features based on accounts. They are listed below--See their help text in the phone profile editor for a full description of what they do:

User:

- Display Name
- Description
- Custom Description

SIP Server:

- Enable Outbound Proxy Server
- Outbound Proxy
- Outbound Proxy Port
- Backup Outbound Proxy
- Backup Outbound Proxy Port
- Proxy Fallback Interval
- SIP Registration Retry Timer
- Transport
- Only Accept Message from Trusted Server
- SIP Server Address
- SIP Server Port
- Registration expiry (s)

Line N

Voice Mail:

- Message Waiting Indicator
- Voice Mail Access Code

RTP:

- RTP Encryption (SRTP)
- RTP packet time

Codec:

- 1st Codec
- 2nd Codec
- 3rd Codec
- 4th Codec
- 5th Codec

NAT:

- NAT Traversal
- STUN Server
- STUN Server Port

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- UDP Keep Alive Type
 - UDP Keep Alive Interval(seconds)
 - NAT Rport

DTMF:

- DTMF Type
- DTMF Info Type
- DTMF Payload Type

Session Timer:

- Session Timer
- Session Expires
- Session Refresher
- SIP Session Timer T1
- SIP Session Timer T2
- SIP Session Timer T4

Multiple new configurations have been added to configure the basic and advance feature.They are listed below--See their help text in the phone profile editor for a full description of what they do:

General:

- Busy Tone Delay(s)

VoiceMail:

- Play Warning Tone for VM

Call Waiting:

- Call Waiting
- Call Waiting Tone

Call Log:

- Save Call Log

Features

DND :

- DND Key Synchronization
- DND Sync for Shared Line

Transfer:

- Blind Transfer on Hook
- Attend Transfer on Hook

Intercom:

- Handset Mode for Intercom
- Intercom Auto Answer

CommPortal Phone Applications:

- CommPortal Phone Apps Enable
- CommPortal Web Access
- CommPortal Web Access Username
- CommPortal Web Access Password
- CommPortal Keep Alive Interval Time(min)

- Network Contacts Enable for Handsets
- Network Contacts Update Interval(Min)
- Contacts Group Enable
- Contacts Group Display Name
- Extensions Group Enable
- Extensions Group Display Name
- MLHGS Group Enable
- MLHGS Group Display Name
- Network Call List Enable for Handsets
- Replace Local Call List

Remote Phone Book:

- Remote Phonebook URL(1-5)
- Display Item Name(1-5)

Multiple new configurations have been added to configure the handset and base.They are listed below--See their help text in the phone profile editor for a full description of what they do:

General:

- 180 Ring Workaround
- Emergency Phone Number
- Base Repeater Mode Enable
- Base Trigger Enable
- New Version Tip Enable

Time&Date:

- DHCP Time
- Time Format
- Date Format
- Time Zone
- Obtain Time Method
- NTP by DHCP Priority
- NTP Primary Server
- NTP Secondary Server
- NTP Query Interval
- Daylight Saving Time
- Fixed Type
- Start Date
- End Date
- Offset(minutes)
- DST URL

Preferences

Language:

- Handset Interface Language
- Web Interface Language

WEB GUI:

- HTTPS Enable
- HTTPS Port
- HTTP Enable
- HTTP Port

Display:

- Color Schemes
- Screen Saver
- Backlight Active in Charger
- Backlight Active out of Charger
- Keypad Light Enable

Advisory Tones:

- Keypad Tone Enable
- Confirmation Tone Enable
- Low Battery Tone Enable

Notification Light:

- Voice Mail Notify Light Flash
- Missed Call Notify Light Flash

ECO Mode:

- Handset ECO Mode
- Base ECO Mode

Country Tone:

- Country Tone for the Handset
- Dial Tone
- Ringback Tone
- Busy Tone
- Call Waiting Tone

Multiple new configurations have been added to configure the Auto provision and ROM pack. They are listed below--See their help text in the phone profile editor for a full description of what they do:

Custom Setting:

- Custom Settings Protected Enable
- Custom Settings Synchronized Enable
- Custom Settings Upload Method
- Handset Setting Override Enable

Server Address:

- PNP Provisioning Enable
- DHCP Provisioning Enable
- Custom Option (128~254)
- DHCP Option 60 Value
- Provisioning Server URL
- User Name
- Password

Polling:

- Poll for Configuration Updates
- Check New Configuration Weekly
- Day of Week for Check New Configuration
- Polling Window Start
- Polling Window End

Provisioning

- Check New Configuration Repeatedly Active
- Repeatedly Interval
- Custom MAC-Oriented URL

Firmware Version:

- Using Https
- Base Firmware Version
- Handset Firmware Version

User Access Permission:

- User Access Permission Enable
- Upload Web_Items_Level File

Diagnostic:

- Diagnostics Mode
- Diagnostics Server
- Diagnostic Level

Multiple new configurations have been added to configure the Network Settings feature. They are listed below--See their help text in the phone profile editor for a full description of what they do:

Phone Access:

- Admin Name
- Admin Password
- User Name
- User Password
- Base Station PIN

IP Setting:

- Internet Port Type for IPV4
- Static IP Address
- Subnet Mask
- Default Gateway
- Static DNS
- Primary DNS
- Secondary DNS

Network
Settings

Vlan:

- WAN Vlan Enable
- WAN Vlan ID
- WAN Vlan Priority
- DHCP Vlan Enable
- WAN Vlan Enable
- WAN Vlan ID
- WAN Vlan Priority
- DHCP Vlan Option
- LLDP Enable
- LLDP Packet Interval

Local RTP Port:

- Maximum RTP Port
- Minimum RTP Port

QoS:

- Media QoS
- SIP QoS

802.1x:

- 802.1x Mode
- Identity
- MD5 Password
- CA Certificates Access URL

TR069:

- Enable TR069
- ACS Authenticate Username
- ACS Authenticate Password
- ACS Access URL
- Periodic Inform Enable
- Periodic Inform Interval (seconds)
- Connection Request Username
- Connection Request Password

VPN:

- VPN Enable
- Upload VPN Config

Multiple new configurations have been added to configure the Security model. They are listed below--See their help text in the phone profile editor for a full description of what they do:

Phone Access:

- Admin Name
- Admin Password
- User Name
- User Password
- Base Station PIN

Security

SSL Certificates:

- Only Accept Trusted Certificates
- Common Name Validation
- CA Certificates
- Device Certificates
- Trusted Certificates File URL
- Delete Certificates
- Server Certificates File URL
- Delete Certificates

