

# WP810/WP822/WP825 Firmware Release Notes

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# FIRMWARE VERSION 1.0.11.20

## PRODUCT NAME

WP810, WP822, WP825

## DATE

08/02/2022

## FIRMWARE FILE INFORMATION

- Firmware file name: wp810fw.bin
- MD5: abc946146b300261dad44e410eafe88b

## ENHANCEMENT

- Added new feature to support capture SSL Key Log File [With Secret Key Information]
- Added new features in Packet Capture monitor mode support. [Capture in Monitor Mode]
- Added 3CX Auto Provision option. [3CX Auto Provision]
- Added support to connect up to 20 SSIDs. (Add SSID 11 to 20)
- Updated phonebook display to show first name and then family name under contacts.
- Added door system support and GDS settings [Grandstream Door System].
- Added support for warning tone upon auto answer.
- Added support for Off-hook Auto Dial. [Off-hook Auto Dial]
- Added support for Audio Control. [Audio Control]

## BUG FIX

- Fixed device plays only once for Alternate Number Ringing.
- Fixed device plays only once for Priority Alert Ringing.
- Fixed device does not prompt for username and password after receiving 401 for config file download.
- Fixed an issue that cause the device unable to downgrade firmware via uploading on Web UI.
- Fixed device sends re-register right after successful 1st register upon reboot.
- Fixed text cut-off for Firmware Upgrade options on the LCD.
- Fixed an issue cause the device to display the transfer icon if the "call forward" feature is enabled without the target number.
- Fixed a bug while dialing the number on the contacts page, after hanging up the call, the device will exit to the menu page.
- Fixed a bug while accessing the contact ringtone page from the dialing page, and the dial tone will sound from the speaker while listening to the ringtone.
- Fixed device only rings the bell once when adjusting the volume during an incoming call.

- Fixed a bug that causes device not to display the LDAP contacts.
- Fixed a bug that causes DHCP to release to performed when Minimum RSSI or Band Steering is configured on AP.
- Fixed the device acceleration sensor is always active.
- Fixed device no ringtone for incoming calls if selects the "Default Ringtone" option.
- Fixed device when new FW is available or the battery is low, prompts are repeatedly shown after boot.
- Fixed device allows configuring call forward from LCD when both Feature Key Synchronization and Local Call Feature are disabled.
- Fixed device the advice of charges does not show final charge summary correctly.
- Fixed device Caller ID display didn't update correctly during call forward from calling screen to call in progress.
- Fixed device Silent alerting not working.
- Fixed a bug causing must press "Blind" twice to complete the transfer before answering.
- Fixed device unable to change the Wi-Fi Band in the Italian language.
- Fixed device SIP log does not show complete SIP information.
- Fixed a bug caused devices unable to downgrade firmware via uploading on Web UI

## NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

### With Secret Key Information

- **Web Configuration**

Users can find the configuration in Web UI -> Maintenance-> Packet Capture

- **Functionality**

This new feature could make packet capture include secret key to decrypt the capture TLS packets.

With RTP Packets	<input type="text" value="No"/>
With Secret Key Information	<input type="text" value="Yes"/>
USB Filename	<input type="text"/>

- **New P Values**

Pvalue	Description	Value range	Default
22419	With Secret Key Information	0 – No 1 – Yes	1 – Yes

### Capture in Monitor Mode

- Web Configuration**

Users can find the configuration in Web UI -> Maintenance-> Packet Capture

- Functionality**

This new feature could let user configures make the packet capture in monitor mode with specific Channel and bandwidth.

Capture in Monitor Mode	<input type="text" value="No"/>
Monitor Mode Channel	<input type="text" value="1"/>
Monitor Mode Bandwidth	<input type="text" value="20 MHz"/>

- New P Values**

Pvalue	Description	Value Range	Default
82265	Capture in Monitor Mode	0 - No 1 - Yes	0 - No
82266	Monitor Mode Channel	Number: 1 to 11, 36,40,44,48,149,151 ,153, 155, 157, 159, 161, 165	1 - 1
82267	Monitor Mode Bandwidth	0 - 20 MHz 1 - 40 MHz	0 – 20 MHz

### 3CX Auto Provision

- Web Configuration**

Users can find the configuration in Web UI -> Maintenance-> Upgrade and Provisioning

- Functionality**

This new feature could make the phone will multicast SUBSCRIBE for provision if this feature is enabled.

3CX Auto Provision  No  Yes

- New P Values**

Pvalue	Description	Value Range	Default
1414	3CX Auto Provision	0 – No 1 – Yes	1 – Yes

## Grandstream Door System

- Web Configuration**

Users can find the configuration in Web UI ->Settings-> External Service

- Functionality**

This new feature could let the user connect the Grandstream Door System (GDS) with the WP8xx device.

## Grandstream Door System

Order	Service Type	Account	System Identification	System Number	Access Password
1	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
8	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
9	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
10	None ▾	Account 1 ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>

- New P Values**

Pvalue	Description	Value Range	Default
32000	Service Type (Order 1 to 10)	-1 – None	-1 - None
32005			
32010			
32015			
32020			
32025			
32030			
32035			
32040			
32045			
32001	Account (Order 1 to 10)	0 – Account 1	0 – Account 1
32006			
32011			
32016			
32021			

32026			
32031			
32036			
32041			
32046			
32002	System Identification (Order 1 to 10)	String	Null
32007			
32012			
32017			
32022			
32027			
32032			
32037			
32042			
32047			
32003	System Number (Order 1 to 10)	String	Null
32008			
32013			
32018			
32023			
32028			
32033			
32038			
32043			
32048			
32004	Access Password (Order 1 to 10)	String	Null
32009			
32014			
32019			
32024			
32029			
32034			
32039			
32044			
32049			

### Off-hook Auto Dial

- **Web Configuration**

Users can find the configuration in Web UI ->Settings-> Call Features

- **Functionality**



This new feature could let the user configure the digits to be dialed via the first account when the phone is off-hook and defines the timeout (in seconds) for the off-hook auto dial.

Off-hook Auto Dial

Off-hook Auto Dial Delay

- New P Values**

Pvalue	Description	Value Range	Default
71	Off-hook Auto Dial	String: 0 to 512	Null
8388	Off-hook Auto Dial Delay	Number: 0 to 30	4

### Audio Control

- Web Configuration**

Users can find the configuration in Web UI ->Settings-> General Settings > Preferences> Audio Control

- Functionality**

This new feature could let user configure Headset Noise Shield 2.0. When enabling the Noise Shield feature, it creates a virtual "noise shield" which blocks the sounds outside. When the value is set to "high" power, the shield is created closer to the user which filters more noise. When the value is set to "low" power, the shield is created further from the user which filters less noise.

### Audio Control

#### Headset

Headset Noise Shield 2.0

#### Handset

Handset Noise Shield 2.0

- New P Values**

Pvalue	Description	Value Range	Default
8563	Headset Noise Shield 2.0	0 – Disable 3 – Low 1 – Medium 2 - High	1 – Medium
8538	Handset Noise Shield 2.0	0 – Disable 2 – Low 1 - High	1 – High

## FIRMWARE VERSION 1.0.11.8

### PRODUCT NAME

WP810, WP822, WP825

### DATE

05/17/2022

### FIRMWARE FILE INFORMATION

- Firmware file name: wp810fw.bin

MD5: 6b0d1ee58e28ab55182bd75feaf5b2dd

### ENHANCEMENT

- Added new option "Enable TCP Keep Alive". [Enable TCP Keep Alive]
- Added new option to enable/disable "Off-cradle Pickup". [Off-cradle Pickup]
- Added new option to enable/disable call end tone. [Disable Call End Tone]

### BUG FIX

- Fixed MWI LED stops flashing after closing VM popup in Zoom.
- Fixed device will display another empty prompt after the user closes the voicemail notification prompt in Zoom.
- Fixed device registers with private IP with STUN settings in BroadSoft platform.
- Fixed call gets disconnected after over 30 mins due to MEDIA\_TIMEOUT in Zoom.
- Fixed device spoofing the network with the router's MAC address.
- Fixed account does not send registration after user configures some parameters in Account 2.
- Fixed device cannot select custom ring1.bin after it's uploaded.
- Fixed device unable to receive DHCP on 802.1x.
- Fixed call flip pickup not working in Zoom.
- Fixed device cannot successfully make call when turning on Zoom special mode.
- Fixed attend transfer is abnormal in 3CX.
- Fixed call forward 302 format is not accepted by Zoom.
- Fixed device cannot make calls when using LDAP.
- Fixed device custom ringtone going silent after a few days.

### KNOWN ISSUES

- Under device LCD menu->Diagnostics, ATE Video is not working for regular user. It's added temporary and will be removed in future release.

## NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

### Enable TCP Keep Alive

- Web Configuration**

Users can find the configuration in Web UI -> Accounts-> Account 1 or 2-> Basic Settings.

- Functionality**

This new feature supports disabling TCP keep alive for the respective SIP account when the account protocol uses TCP/TLS.

OPTIONS Keep Alive Max Lost

Enable TCP Keep Alive  No  Yes

Local SIP Port

- New P Values**

Pvalue	Description	Value range	Default
60065	Enable TCP Keep Alive (Account 1)	0 – No 1 – Yes	0 – No
60165	Enable TCP Keep Alive (Account 2)	0 – No 1 – Yes	0 – No

### Off-cradle Pickup

- Web Configuration**

Users can find the configuration in Web UI -> Settings-> Call Features.

- Functionality**

This new feature could let users control to answer the call when the handset is picked up from the cradle. Users can enable the Off-cradle Pickup feature to automatically answer incoming calls after picking up WP810 Handset from its cradle.

Off-cradle Pickup  No  Yes

Disable Call End Tone  No  Yes

- New P Values**

Pvalue	Description	Value range	Default
82262	Off-cradle Pickup	0 – No 1 – Yes	1 – Yes

### Disable Call End Tone

- **Web Configuration**

Users can find the configuration in Web UI -> Settings-> Call Features.

- **Functionality**

This new feature could let users control the toggle of prompt tone when the call is ended.

Off-cradle Pickup                       No  Yes

Disable Call End Tone                 No  Yes

- **New P Values**

Pvalue	Description	Value range	Default
82263	Disable Call End Tone	0 – No 1 – Yes	0 – No

# FIRMWARE VERSION 1.0.11.2

## PRODUCT NAME

WP810, WP822, WP825

## DATE

04/06/2022

## FIRMWARE FILE INFORMATION

- Firmware file name: wp810fw.bin

MD5: aa2712962fd0d2e749396ad0135219a1

## ENHANCEMENT

- Added support for disable in-call DTMF display. [Disable in-call DTMF Display]

## BUG FIX

- Fixed device a codec bug causes no audio on call.
- Fixed the Ringtones dropdown list does not show on the WEB UI.
- Fixed the issues of the letter when using the German language.
- Fixed the option item on the LCD cannot be cycled change in Settings.
- Fixed a bug cause the French language does not take effect on the WEB UI.
- Fixed an issue cause device does not show the ring page after receiving an incoming call.
- Fixed some options in "Call Forward" that could not display correctly on the LCD.
- Fixed an issue cause the conferees' device does not hang up after the host device hangs up during the conference.
- Fixed device enabled SRTP and sets up a conference, the one conferee device could make noise.

## NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

### Disable in-call DTMF Display

- **Web Configuration**

Users can find the configuration in Web UI -> Settings-> Call Feature.

- **Functionality**

This new feature could control the display of DTMF in-call, when set to "Yes", the DTMF digits entered during the call will not display.

Disable in-call DTMF Display

No  Yes

- **New P Values**

Pvalue	Description	Value range	Default
338	Disable in-call DTMF Display	0 – No 1 – Yes	0 – No

# FIRMWARE VERSION 1.0.9.23

## PRODUCT NAME

WP810

## DATE

03/07/2022

## FIRMWARE FILE INFORMATION

- Firmware file name: wp810fw.bin

MD5: be789a604039369058ce2f69b0f03939

## ENHANCEMENT

- Added “Zoom” option in Special Feature. (Account 1 or 2-> SIP Settings ->Advanced Features)
- Added Support in SRTP requirements for Zoom.
- Added support for WPA3 Wi-Fi security (Network->WiFi Settings-> SSID{x}->Security->Security Type-> WPA3 PSK/WPA3 Enterprise)
- Added support for LDAP configuration. [LDAP]
- Added support for Allow Dial Through Popups. [Allow Dial Through Popups]
- Added option “Use MAC Header” for account 1 and account 2. [Use MAC Header]
- Updated option “Use MAC Header” to “Add MAC in User-Agent” for account 1 and account 2. [Add MAC in User-Agent]
- Added support busy tone configuration to the web GUI. (Settings ->Preferences-> Ringtone)
- Added support prompt tone when the call is ended.
- Improved DNS SRV Failover design.
- Added Support for 5G or 2.4G Wi-Fi icon to indicate which band the device is currently using. [5G or 2.4G Wi-Fi icon indicate]

## BUG FIX

- Fixed device sends DHCP decline after DHCP ACK which cause update the IP address constantly.
- Fixed device PTT function could not work normally after adjusted volume key.
- Fixed the issue that sometimes device could not make or receive calls due to device does not send registration package correctly.
- Fixed the bug cause device may not talk normally when set codes are G729A/B and OPUS if the hardware version is 1.4A.
- Fixed the device cannot wait until the screen timeout period is complete and then turn off the screen while in the auto answer standby state.
- Fixed an issue cause device LCD status page while get stuck in seconds.

- Fixed an issue case DHCP option 2 does not take effect.
- Fixed device still able to dial out and hear ringback tones after Wi-Fi disconnected.
- Fixed device LCD GUI sometimes get stuck in minutes while deleting the call history.
- Fixed the device configuration via Keypad Menu option is set to "Basic Settings Only", the LCD does not show Basic Settings.
- Fixed device does not have audio in both ways when initiating calls.
- Fixed device custom ringtone going silent after a few days.
- Fixed SSH2 modified upgrade via abnormally.
- Fixed missed call count on LCD prompt should be the total of all missed calls.
- Fixed the issues with Constraint/Basic Settings mode and Bluetooth/PTT configurations.
- Fixed user cannot enter the call page if receive the incoming call and click the left and right buttons to switch the IDLE.
- Fixed iLBC voice code negotiation failed.
- Fixed the WPA3 setting is reset after boot.
- Fixed out-of-memory and other performance issues in certain specific scenarios.
- Fixed device has noise when switching speaker on the dialing interface.
- Fixed device cannot automatically obtain the SIP account on 3CX.
- Fixed device multicast issues.
- Fixed device sends PTT and the other devices sometimes cannot hear the sound.
- Fixed the device cannot be unlocked if using a password to lock screen.
- Fixed abnormal issue on the DTMF input popup stage.
- Fixed device may end the call if answer the call after re-registering.
- Fixed device needs to restart to take effect when setting a static IP on the web page.
- Fixed the issue that notification would prevent dialing from the keypad.
- Fixed device DNS provided by Router Advertisement not populated to the device.
- Fixed device unable to lock PTT via GAPS on specific firmware.
- Fixed DHCP Option 150 cannot handle multiple IPs.
- Fixed device will dial number upon "No Key Entry Timeout".
- Fixed user cannot transfer via a hotkey on the list item.
- Fixed device after the configuration of the phone is modified, the original configuration will be restored when the phone is restarted or restored from the factory.
- Fixed an issue causing DHCP option 2 not to take effect.
- Fixed when the "send message" is on the call history page, the device could not identify the selected contact as the recipient.
- Fixed the line status of conference member display is wrong when conference member holds the call.
- Fixed the "Kick" option does not work properly.
- Fixed an issue that some options take effect only after restarting the phone on the "Wi-Fi Settings" page.
- Fixed device cannot enter the contact page on the transfer and new call page.
- Fixed an issue causing configuring static IPv6 addresses not taking effect.



- Fixed BroadSoft IOT Vendor-Hosted Redirect Service does not do the provision after connecting to Wi-Fi.
- Fixed an issue causing the Wi-Fi icon display incorrectly after modifying the Wi-Fi band.
- Fixed LCD prompt "Failed to get Firmware" in a certain specific scenario.
- Fixed the custom SIP headers registration issue.
- Fixed LED not flashing red when there is a missed call or voicemail.
- Fixed call details page is blank.
- Fixed the packet loss rate of the sender is not displayed on the call details page.
- Fixed the device has a low probability of no audio during the call and hangs up the call automatically.
- Fixed the device at the "Audio Loopback" page, after adjusting the volume, the audio cannot be heard normally.
- Fixed "Transfer" appears in the middle of the lower part of the call screen.
- Fixed the phone menu key and back key on the keyboard test page are blocked, and there is an additional key in the middle.
- Fixed device will freeze after clicking on Settings in a certain specific scenario.
- Fixed the speaker and phonebook buttons of the Keypad Test are inconsistent with the actual button layout of the device.
- Fixed phone call does not play the ring back tone when it does not receive 180 response.
- Fixed WP810 manual firmware upload on the web will cause out-of-memory upgrade failure.
- Fixed WP810 when in the IPv6 environment, the device sends the keep-alive packet abnormally
- Fixed an issue cause WP810 freezes after forgetting Wi-Fi
- Fixed a bug make a call is automatically hung up
- Fixed device will vibrate after unmuting the second incoming call
- Fixed device when the voice channel for the first call is a speaker and the second call is answered, the voice channel changes to the handset
- Fixed device will automatically cancel the call within a few seconds after it initiates the call
- Fixed a random audio issue

## KNOWN ISSUES

- WP810 may not talk normally when set codes are G729A/B and OPUS if the hardware version is 1.4A.

## NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

### LDAP

- **Web Configuration**

Users can find the configuration in Web UI -> Directory -> LDAP.

- **Functionality**

This feature allows user to configure LDAP as LDAP client.

## LDAP

LDAP protocol	<input type="text" value="LDAP"/>
Server Address	<input type="text"/>
Port	<input type="text" value="389"/>
Base	<input type="text"/>
User Name	<input type="text"/>
Password	<input type="text"/>
LDAP Number Filter	<input type="text"/>
LDAP Name Attributes	<input type="text"/>
LDAP Number Attributes	<input type="text"/>
LDAP Display Name	<input type="text"/>
Max. Hits	<input type="text" value="50"/>
Search Timeout	<input type="text" value="30"/>
LDAP Lookup	<input type="checkbox"/> Incoming Calls <input type="checkbox"/> Outgoing Calls
<input type="button" value="Save"/> <input type="button" value="Save and Apply"/> <input type="button" value="Reset"/>	

- **New P Values**

P-value	Description	Value range	Default
8037	LDAP protocol	0 – LDAP 1 – LDAPS	0 – LDAP
8020	Server Address	String	Null
8021	Port	Number: 1-65535	389
8022	Base	String: a-z, A-Z, 0-9	Null
8023	User Name	String: a-z, A-Z, 0-9	Null
8024	Password	String: a-z, A-Z, 0-9	Null
8025	LDAP Number Filter	String: a-z, A-Z, 0-9	Null
8028	LDAP Name Attributes	String: a-z, A-Z, 0-9	Null
8029	LDAP Number Attributes	String: a-z, A-Z, 0-9	Null
8030	LDAP Display Name	String: a-z, A-Z, 0-9	Null
8031	Max. Hits	Number: 1 to 3000	50
8032	Search Timeout	Number: 0 to 80	30

8035	LDAP Lookup: Incoming Calls	0 – Disabled 1 – Enabled	0 – Disabled
8034	LDAP Lookup: Outgoing Calls	0 – Disabled 1 – Enabled	0 – Disabled

### Use MAC Header

- Web Configuration**

User can find the configuration in Web UI -> Account 1 or 2 -> SIP Settings -> Custom SIP Headers.

Use MAC Header  No  Only for REGISTER  Yes to all SIP

- Functionality**

This feature allows user to set up the MAC Header. If set to "Only for REGISTER", only the SIP message for register and unregister will contain the MAC header. If set to "Yes to All SIP", all the outgoing SIP messages will contain the MAC header. If set to "No", the MAC header will not be contained in any outgoing SIP message.

- New P Values**

Pvalue	Description	Value range	Default
29090	Use MAC Header (For Account 1)	0 – No 1 – Only for REGISTER 2 – Yes to all SIP	0 – No
29190	Use MAC Header (For Account 2)	0 – No 1 – Only for REGISTER 2 – Yes to all SIP	0 – No

### Add MAC in User-Agent

- Web Configuration**

User can find the configuration in Web UI -> Account 1 or 2 -> SIP Settings -> Custom SIP Headers

Add MAC in User-Agent  No  Yes except REGISTER  Yes to all SIP

- Functionality**

The form "Use MAC Header" was updated to "Add MAC in User-Agent". User If set to "Yes except REGISTER", all outgoing SIP messages will include the phone's MAC address in the User-Agent header, except for REGISTER and UNREGISTER. If set to "Yes to All SIP", all outgoing SIP messages will include the phone's MAC address in the User-Agent header. If set to "No", the phone's MAC address will not be included in the User-Agent header in any outgoing SIP messages.

- New P Values**

Pvalue	Description	Value range	Default
26061	Add MAC in User-Agent (For Account 1)	0 – No 1 – Yes except REGISTER 2 – Yes to all SIP	0 – No
26161	Add MAC in User-Agent (For Account 2)	0 – No 1 – Yes except REGISTER 2 – Yes to all SIP	0 – No

### Allow Dial Through Popups

- Web Configuration**

User can find the configuration in Web UI -> Setting -> SIP Settings -> General Settings

Allow Dial Through Popups  No  Yes

- Functionality**

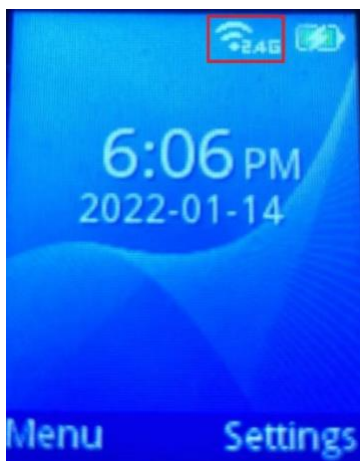
This new feature allows user to dial DMTF through Popups.

- New P Values**

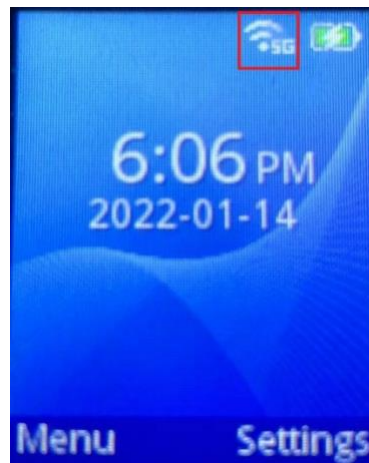
Pvalue	Description	Value range	Default
82261	Allow Dial Through Popups	0 – No 1 – Yes	0 – No

### 5G or 2.4G Wi-Fi Icon Indication

- LCD Screen Preview**



2.4GHz Wi-Fi



5GHz Wi-Fi

## FIRMWARE VERSION 1.0.7.83

### PRODUCT NAME

WP810

### DATE

07/27/2021

### FIRMWARE FILE INFORMATION

- Firmware file name: wp810fw.bin
- MD5: 4141c0a55db6aaa96b9f04566fb7de64

### BUG FIX

- Fixed when NAT Traversal set to Keep-Alive, after switching SSID and got a new IP address, WP810 still uses the old IP address to send classic stun keep-alive packets to the SIP server.
- Fixed if the SIP server changed the IP address of the contact line, WP810 will continuously send binding requests to the SIP server.
- Fixed WP810 works abnormally if switched SIP registration between Yes and No.
- Fixed WP810 cannot scan after roam.
- Fixed when auto answer is enabled on WP810, WP810 may freeze in the call interface.
- Fixed call loose audio/drop when roaming between Ubiquiti AC-PRO AP.
- Fixed when transferring, WP810 refer the current line to the target line instead of referring the target line to the current line.
- Fixed after entering the lock screen password, WP810 may freeze on the lock screen password page.
- Fixed the lock screen background image overlaps with the main page
- Fixed WP810 does not need a password to connect to the USB serial port.
- Fixed XML Phonebook cannot be downloaded using the “Download XML Phonebook” option.
- Fixed contacts could not be displayed successfully in Firefox browser.
- Fixed when WP810 starts packet capture using the Packet Capture feature, it may stop capture automatically during roaming.
- Fixed WP810 may stuck in the boot interface when restarts.
- Fixed WP810 Network Status page does not display the DNS Server information.
- Fixed WP810 cannot auto provision against UCM Zero Config
- Fixed after WP810 configuration was modified, a restart or a factory reset will restore to the previous settings.
- Fixed DHCP renew during band steering.
- Fixed WP810 white screen.

- Fixed Maximum TLS Version – unlimited option does not take effect.
- Fixed when Minimum TLS Version is set to TLS 1.1 and Maximum TLS Version is set to Unlimited, WP810 use TLS1.1 only.
- Fixed Call History call records date and time do not match the system time.

## FIRMWARE VERSION 1.0.7.68

### PRODUCT NAME

WP810

### DATE

04/23/2021

### FIRMWARE FILE INFORMATION

- Firmware file name: wp810fw.bin
- MD5: 268aa267a49e7d424082cc9922905025

### ENHANCEMENT

- Added support for GDMS.
- Added support for letters with accent.
- Added support to differentiate rejected calls icon from missed calls. Now the rejected calls will be logged as received calls with different icon.
- Added support for Turkish language.
- Update Wi-Fi Security type from “WPA PSK” to “WPA/WPA2 PSK”.
- Added support for “Feature Key Synchronization” [FEATURE KEY SYNCHRONIZATION].
- Added support for “Capture” [CAPTURE]
- Added support for “Matching Incoming Caller ID”. [MATCH INCOMING CALLER ID]
- Added support for TR-069 configuration. [TR-069]
- Added support for “Configuration via Keypad Menu”. [CONFIGURATION VIA KEYPAD MENU]
- Added support for “Register Before DNS SRV Failover”. [REGISTER BEFORE DNS SRV FAILOVER]
- Added support for Minimum and Maximum TLS Version configuration. [TLS VERSION]
- Added support for 802.11r. [802.11r]
- Add hardware version to the provision user agent.
- Added support to configure Country Code while configuring Wi-Fi from handset on the first time.
- Added support to display contacts with no numbers in the phonebook.
- Added Japanese language support on LCD.
- Remove edit contact ringtone from Web UI.
- Networking improvements to handle rapid Wi-Fi connection changes.
- Improved key handling and greatly lower the chance that the screen may not light up when the user presses a button at the first time.
- Improved Wi-Fi disconnect popup message.

## BUG FIX

- Fixed the keypad could not be locked by pressing the pound key for 3 seconds.
- Fixed Wi-Fi disconnects during roaming.
- Fixed when Time Display Format is set to 12 Hour, the “12:00 AM” is shown as “0:00 AM”.
- Fixed syslog not working in IPv6 only Mode.
- Fixed the Preferred DNS Server does not take effect when IPv6 address length is more than 24 bits.
- Fixed ring and alerts may not be able to play back.
- Fixed in IPv6 mode, WP810 ignores received 200 OK response to SIP Op.
- Fixed issue vibration function does not work.
- Fixed when WP810 enable Auto Answer, may have one-way audio issue.
- Fixed WP810 could not authenticate to SSID when using WPA/WPA2 Enterprise PEAP MSCHAPv2
- Fixed WP810 cannot enter “+” by long pressing the 0 key.
- Fixed WP810 cannot select which number to dial from the phonebook for a contact with multiple phone numbers, only be able to dial the one set as primary.
- Fixed multiple time zone return wrong time which are where the time is advanced with 1 hour more than actual time zone.
- Fixed the predefined time zone GMT+1 display wrong time.
- Fixed SIP responds slowly when answering calls.
- Fixed WP810 could not resolve DNS query when DNS reply contains more than one IP addresses.
- Fixed WP810 took up to 30 seconds to register account after rebooting.
- Fixed voicemail is played on speaker when calling from Voicemail menu.
- Fixed WP810 could not connect to default SSID “wp\_master” when it is hidden.
- Fixed Capture function may not work if Syslog Server left blank.
- Fixed the LCD still shows registered after Account Active is set to No.
- Fixed after switching SSID, sometimes can not access the connection page of other SSID from GUI.
- Fixed that GUI may crash when refreshing scanned SSIDs.
- Fixed when current connected SSID out of range, WP810 will not switch to another SSID automatically.
- Fixed only power key and volume up/down key work.
- Fixed when current connected SSID out of range and WP810 enter new SSID discovery mode, the ongoing call will not be hung up automatically.
- Fixed when kill wp\_gui, the account will show gray.
- Fixed GUI may freeze on the white screen interface.
- Fixed device cannot connect to SSIDs when the password contains & special character.
- Fixed device keeps disconnecting from Wi-Fi randomly.
- Fixed that when the SSID of the WP810 connection is closed, WP810 may still show the connection and has an IP address.
- Fixed when Internet Protocol set to IPv6 Only, after DUT reboot, the accounts will not register successfully.



- Fixed WP810 may freeze after forgetting Wi-Fi.

## KNOWN ISSUES

- When capturing trace via GDMS using Capture Trace tool, the capture file could not be opened normally.

## NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

### REGISTER BEFORE DNS SRV FAILOVER

- **Web Configuration**

User can find the configuration in Web UI -> Accounts -> Network Settings.



- **Functionality**

Now the users can choose the behavior for registering before DNS SRV Fail-over

- If set to “No”, a REGISTER request will not be initiated when a server failover occurred under DNS SRV mode.

- If set to “Yes”, a REGISTER request will be initiated when a server failover occurred under DNS SRV mode.

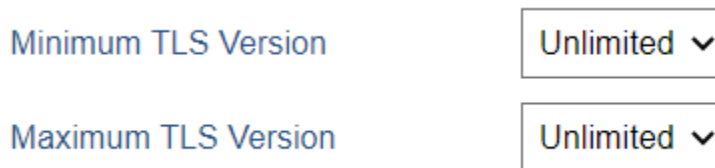
- **New P Values**

Pvalue	Description	Value range	Default
29095	Register Before DNS SRV Failover (Account 1)	0 – No 1 – Yes	0 – No
29195	Register Before DNS SRV Failover (Account 2)	0 – No 1 – Yes	0 – No

### TLS VERSION

- **Web Configuration**

User can find the configuration in Web UI -> Maintenance -> Security Settings -> Security.



- **Functionality**

This feature allows users to choose the TLS version for HTTPS provisioning.”

- **New P Values**

Pvalue	Description	Value range	Default
22293	Minimum TLS Version	99 – Unlimited 10 – TLS 1.0 11 – TLS 1.1 12 – TLS 1.2	99 – Unlimited
22294	Maximum TLS Version	99 – Unlimited 10 – TLS 1.0 11 – TLS 1.1 12 – TLS 1.2	99 – Unlimited

### FEATURE KEY SYNCHRONIZATION

- Web Configuration**

User can find the configuration in Web UI -> Accounts -> SIP Settings -> Advanced Features.

Feature Key Synchronization  Disabled  Enabled

- Functionality**

This feature is used for BroadSoft call feature synchronization. When it is enabled, DND, Call Forward features can be synchronized between BroadSoft server and phone. When use this feature, Special Feature need to set to BroadSoft. Default is “Disabled”

- New P Values**

Pvalue	Description	Value range	Default
2325	Feature Key Synchronization (Account 1)	0 – Disabled 1 – Enabled	0 – Disabled
2425	Feature Key Synchronization (Account 2)	0 – Disabled 1 – Enabled	0 – Disabled

### CAPTURE

- Web Configuration**

User can find the configuration in Web UI -> Maintenance -> Syslog.

## Capture

Status	STOPPED
	<input type="button" value="Start"/> <input type="button" value="Stop"/> <input type="button" value="Download"/>
Capture Location	Internal Storage ▾
Capture Mode	<input checked="" type="radio"/> Timed <input type="radio"/> Continuous
Capture Timer	<input type="text" value="10"/>
Log File Rotation	<input type="radio"/> No <input checked="" type="radio"/> Yes
Max Log File Size	<input type="text" value="1"/>
Max Log Files	<input type="text" value="3"/>
	<input type="button" value="Save"/> <input type="button" value="Save and Apply"/> <input type="button" value="Reset"/>

## Capture

Status	STOPPED
	<input type="button" value="Restart"/> <input type="button" value="Download"/>
Capture Location	Internal Storage ▾
Capture Mode	<input type="radio"/> Timed <input checked="" type="radio"/> Continuous
Enabled	<input checked="" type="radio"/> No <input type="radio"/> Yes
Continuous Capture Days	<input type="text" value="1 Day"/> ▾

- **Functionality**

This feature allows user to capture additional Syslog while Syslog Level is set to DEBUG. Capture can be stored either internally on the device or externally on a USB flash drive via a OTG cable. It supports two Capture Mode: Timed and Continuous.

- **Timed Mode:** When a new capture is run, the previous files are deleted. Capture Timer is optional, if choose Internal Storage, the maximum Capture Timer limit is 30 minutes. Log File Rotation will maintain a fixed maximum limit of the file size based on the Max Log File Size and Max Log Files configured. Old logs will be deleted when rotated.
- **Continuous Mode:** This mode allows device to capture logs continuously during the days set under Continuous Capture Days option.

- **New P Values**

Pvalue	Description	Value range	Default
82250	Capture Location	0 – Internal Storage 1 – USB	0 – Internal Storage
82255	USB Filename	String 0 – 64	Null
82259	Capture Mode	0 – Timed 1 - Continuous	0 – Timed
82253	Capture Timer	0 – 2000	30
82254	Log File Rotation	0 – No 1 – Yes	1 – Yes
82251	Max Log File Size	1 – 10	1
82252	Max Log Files	1, 2, 3	3
82257	Enabled	0 – No 1 - Yes	0 – No
82258	Continuous Capture Days	1 – 1 Day 2 – 2 Days 3 – 3 Days 4 – 4 Days 5 – 5 Days 6 – 6 Days 7 – 7 Days 8 – 8 Days 9 – 9 Days 10 – 10 Days 11 – 11 Days 12 – 12 Days 13 – 13 Days 14 – 14 Days	1 – 1 Day

### MATCH INCOMING CALLER ID

- **Web Configuration**

User can find the configuration in Web UI -> Accounts -> Call Settings.

## Ringtone

Match Incoming Caller ID

	Matching Rule	Ringtone
1	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
2	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
3	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
4	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
5	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
6	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
7	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
8	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
9	<input type="text"/>	🎵 Default Ringtone <span>▼</span>
10	<input type="text"/>	🎵 Default Ringtone <span>▼</span>

- **Functionality**

Specifies matching rules with number, pattern or Alert Info text (up to 10 matching rules). When the incoming caller ID or Alert Info matches the rules, the phone will ring with selected distinctive ringtone. Select the distinctive ring tone for the matching rule. When the incoming caller ID or Alert Info matches one of the 10 rules, the phone will ring with associated ringtone.

- **New P Values**

Pvalue	Description	Value range	Default
1488	Matching Rule 1 (Account 1)	String 0 – 512	Null
1489	Matching Rule1 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
1490	Matching Rule 2 (Account 1)	String 0 – 512	Null
1491	Matching Rule 2 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
1492	Matching Rule 3 (Account 1)	String 0 – 512	Null
1493	Matching Rule 3 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
6716	Matching Rule 4 (Account 1)	String 0 – 512	Null
6717	Matching Rule 4 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
6718	Matching Rule 5 (Account 1)	String	Null

		0 – 512	
6719	Matching Rule 5 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
6720	Matching Rule 6 (Account 1)	String 0 – 512	Null
6721	Matching Rule 6 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
26064	Matching Rule 7 (Account 1)	String 0 – 512	Null
26065	Matching Rule 7 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
26066	Matching Rule 8 (Account 1)	String 0 – 512	Null
26067	Matching Rule 8 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
26068	Matching Rule 9 (Account 1)	String 0 – 512	Null
26069	Matching Rule 9 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
26096	Matching Rule 10 (Account 1)	String 0 – 512	Null
26097	Matching Rule 10 Distinctive Ringtone (Account 1)	Number	0 – Default Ringtone
1494	Matching Rule 1 (Account 2)	String 0 – 512	Null
1495	Matching Rule1 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
1496	Matching Rule 2 (Account 2)	String 0 – 512	Null
1497	Matching Rule 2 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
1498	Matching Rule 3 (Account 2)	String 0 – 512	Null
1499	Matching Rule3 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
6722	Matching Rule 4 (Account 2)	String 0 – 512	Null
6723	Matching Rule 4 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
6724	Matching Rule 5 (Account 2)	String 0 – 512	Null
6725	Matching Rule 5 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
6726	Matching Rule 6 (Account 2)	String 0 – 512	Null
6727	Matching Rule 6 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
26164	Matching Rule 7 (Account 2)	String 0 – 512	Null
26165	Matching Rule 7 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
26166	Matching Rule 8 (Account 2)	String 0 – 512	Null

26167	Matching Rule 8 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
26168	Matching Rule 9 (Account 2)	String 0 – 512	Null
26169	Matching Rule 9 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone
26196	Matching Rule 10 (Account 2)	String 0 – 512	Null
26197	Matching Rule 10 Distinctive Ringtone (Account 2)	Number	0 – Default Ringtone

## TR-069

- **Web Configuration**

User can find the configuration in Web UI -> Maintenance -> TR-069.

## TR-069

Enable TR-069	<input type="radio"/> No <input checked="" type="radio"/> Yes
ACS URL	<input type="text" value="https://acs.gdms.cloud"/>
TR-069 Username	<input type="text"/>
TR-069 Password	<input type="text"/>
Periodic Inform Enable	<input type="radio"/> No <input checked="" type="radio"/> Yes
Periodic Inform Interval	<input type="text" value="86400"/>
Connection Request Username	<input type="text"/>
Connection Request Password	<input type="text"/>
Connection Request Port	<input type="text" value="7547"/>
CPE SSL Certificate	<input type="text"/>
CPE SSL Private Key	<input type="text"/>
Randomized TR069 Startup	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled

- **Functionality**

This feature allows user to configure TR-069.

- **New P Values**

Pvalue	Description	Value range	Default
1409	Enable TR-069	0 – No 1 – Yes	1 – Yes
4503	ACS URL	String	https://acs.gdms.cloud
4504	TR-069 Username	String: a-z, A-Z, 0-9	Null
4505	TR-069 Password	String: a-z, A-Z, 0-9	Null
4506	Periodic Inform Enable	0 – No 1 – Yes	1 – Yes
4507	Periodic Inform Interval	Number	86400
4511	Connection Request Username	String: a-z, A-Z, 0-9	Null
4512	Connection Request Password	String: a-z, A-Z, 0-9	Null
4518	Connection Request Port	Number	7547
8220	CPE SSL Certificate	String: a-z, A-Z, 0-9	Null
8221	CPE SSL Private Key	String: a-z, A-Z, 0-9	Null
8487	Randomized TR069 Startup	0 – Disabled 1 – Enabled	0 – Disabled

## CONFIGURATION VIA KEYPAD MENU

- Web Configuration**

User can find the configuration in Web UI -> Maintenance -> Security Settings -> Security.

Configuration via Keypad Menu

Unrestricted

- Functionality**

Each mode working as below:

1. Unrestricted: All Settings are accessible in keypad menu
2. Basic settings only: Call Features and Basic Settings are accessible in keypad menu, Account settings, Network, and Advanced Settings are hidden from keypad menu.
3. Constraint Mode: Administration password will be required to access Account, Network and Advanced Settings. Call Features and Basic Settings can be accessed directly in keypad menu.
4. Locked Mode: Settings menu cannot be accessed via keypad menu. PTT quick configuration page cannot be accessed by using the multi-function key.
5. Basic and Network Settings: Call Features, Network, and Basic Settings are shown normally in keypad menu, Account and Advanced Settings are hidden from keypad menu.

- New P Values**

Pvalue	Description	Value range	Default
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1357	Configuration via Keypad Menu	0 – Unrestricted 1 – Basic settings only 2 – Constraint Mode 3 – Locked Mode 4 – Basic and Network Settings	0 – Unrestricted
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### 802.11r

- Web Configuration**

User can find the configuration in Web UI -> NETWORK -> WiFi Settings.

802.11r

Enabled  Disabled

- Functionality**

This feature allows user to use 802.11r.

- New P Values**

Pvalue	Description	Value range	Default
83048	802.11r (SSID 1)	0 – Disabled 1 – Enabled	0 – Disabled
83148	802.11r (SSID 2)	0 – Disabled 1 – Enabled	0 – Disabled
83248	802.11r (SSID 3)	0 – Disabled 1 – Enabled	0 – Disabled
83348	802.11r (SSID 4)	0 – Disabled 1 – Enabled	0 – Disabled
83448	802.11r (SSID 5)	0 – Disabled 1 – Enabled	0 – Disabled
83548	802.11r (SSID 6)	0 – Disabled 1 – Enabled	0 – Disabled
83648	802.11r (SSID 7)	0 – Disabled 1 – Enabled	0 – Disabled
83748	802.11r (SSID 8)	0 – Disabled 1 – Enabled	0 – Disabled
83848	802.11r (SSID 9)	0 – Disabled 1 – Enabled	0 – Disabled
83948	802.11r (SSID 10)	0 – Disabled 1 – Enabled	0 – Disabled

## FIRMWARE VERSION 1.0.7.18

### PRODUCT NAME

WP810

### DATE

07/15/2020

### FIRMWARE FILE INFORMATION

- Firmware file name: wp810fw.bin
- MD5: c71f0fbcc9cf3c432a610546d8ab7113

### ENHANCEMENT

- Added support for Slovak and Czech language.
- Added support for Polish language on LCD.
- Added support to download a phonebook from the server. [PHONEBOOK DOWNLOAD S]
- Added support for “Disable Recovery on Blind Transfer”. [DISABLE RECOVERY ON BLIND TRANSFER]
- Added support to provision Account Ringtone.

### BUG FIX

- Fixed WP810 will not send DHCPv6 solicit message.
- Fixed “No Key Entry Timeout” does not work.
- Fixed blind transfer does not work with MetaSwitch platform.
- Fixed “Transfer on Conference Hangup” does not work correctly with MetaSwitch platform.
- Fixed WP810 could not get an inbound call when Internet Protocol is set to “Both, prefer IPv6” or “IPv6 Only”.
- Fixed WP810 will not be able to make any call after such scenario: WP810 finishes an outbound call, then in a call with another user, during the call, WP810 make a new call to previous number.
- Corrected and added some Chinese translations
- Fixed when WP810 being transferred to a third party, if WP810 hang up the call while the third-party ringing, WP810 will not be able to make any call.
- Fixed when adding a new contact, if the characters of the first and last name reach a certain number, GUI will crash.

### NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user’s point of view.

## PHONEBOOK DOWNLOAD SETTINGS

- Web Configuration**

User can find the configuration in Web UI -> Directory -> Phonebook Management.

Enable Phonebook XML Download Enabled, use HTTP ▾

HTTP/HTTPS User Name

HTTP/HTTPS Password

Phonebook XML Server Path

Phonebook Download Interval

Remove Manually-edited Entries on Download  No  Yes

Download XML Phonebook Download

Upload XML Phonebook

- Functionality**

WP810 now supports to download the phonebook from a configured server.

- New P Values**

Pvalue	Description	Value range	Default
330	Enable Phonebook XML Download	0 – Disabled 1 – Enabled, use HTTP 2 – Enabled, use TFTP 3 – Enabled, use HTTPS	0 – Disabled
6713	HTTP/HTTPS User Name	String	Null
6714	HTTP/HTTPS Password	String	Null
331	Phonebook XML Server Path	String	Null
332	Phonebook Download Interval	0, 5-720	0
333	Remove Manually-edited Entries on Download	0 – No 1 – Yes	1 - Yes

## DISABLE RECOVERY ON BLIND TRANSFER

- Web Configuration**

User can find the configuration in Web UI -> Accounts -> Call Settings.



- **Functionality**

This feature allows user to disable recovery to the call to the transferee on failing blind transfer to the target.

- **New P Values**

Pvalue	Description	Value range	Default
2384	Disable Recovery on Blind Transfer (Account 1)	0 – No 1 – Yes	1 – Yes
2484	Disable Recovery on Blind Transfer (Account 2)	0 – No 1 – Yes	1 – Yes

## FIRMWARE VERSION 1.0.7.7

### PRODUCT NAME

WP810

### DATE

4/22/2020

### FIRMWARE FILE INFORMATION

- Firmware file name: wp810fw.bin
- MD5: e855af9d416ec6abd58476f5a5a47d54

### ENHANCEMENT

- Added Multicast Listening setting fields for Multicast Paging settings on web UI. [MULTICAST PAGING SETTINGS]

### BUG FIX

- Fixed an issue that after remote transferred WP810 to another party, the transfer completed and audio goes through, but WP810 still display remote hold status.
- Fixed an issue that blind transfer will fail if the server sends 401 challenge to the REFER.
- Fixed an issue that WP810 still play local ring even after received early media.
- Fixed an issue that WP810 changes the call UI from hold to normal status after received session timer or session audit UPDATE, while the call is still in hold.
- Fixed typo in default call progress tones.
- Fixed an issue that when adding new contacts, the changes can be saved even the primary number is blank.
- Corrected some Chinese translations

### NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

#### MULTICAST PAGING SETTINGS

- **Functionality**

WP810 now support to configure multicast listening address and labels for Multicast Paging. These new settings are under Web UI -> Settings -> Multicast Paging.

- Settings
- General Settings
- Call Features
- Multicast Paging
- Preferences ≡
- Date and Time
- Language
- Ringtone

## Multicast Paging

Allowed In DND Mode  No  Yes

Paging Barge

Paging Priority Active  Disabled  Enabled

Multicast Paging Codec

Multicast Sender ID

### Multicast Listening

Priority	Listening Address	Label
1	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>
7	<input type="text"/>	<input type="text"/>
8	<input type="text"/>	<input type="text"/>
9	<input type="text"/>	<input type="text"/>
10	<input type="text"/>	<input type="text"/>

- **New P Values**

Pvalue	Description	Value range	Default
1569	Priority 1 ~ 10 Listening Address	String	
1571			
1573			
1575			
1577			
1579			
1581			
1583			
1585			

1587			
1570	Priority 1 ~ 10 Label	String	
1572			
1574			
1576			
1580			
1582			
1584			
1586			
1588			
1560			

## **FIRMWARE VERSION 1.0.1.1**

### **PRODUCT NAME**

WP810

### **DATE**

4/6/2020

### **FIRMWARE FILE INFORMATION**

- Firmware file name: wp810fw.bin
- MD5: 0c3550431d40c2a250dba9c634ecf4cf
- Initial firmware