WP856 Firmware Release Notes

IMPORTANT UPGRADING NOTE

- **After upgrading WP856 to firmware 1.0.3.16, downgrading to lower firmware version is not allowed.**

Table of Content

FIRMWARE VERSION 1.0.3.16_GS_205.0.3.16

PRODUCT NAME

WP856

DATE

09/16/2025

FIRMWARE FILE INFORMATION

- WP856 firmware file name: wp856fw.bin
  MD5: 46e23cd523d7f4389c08e30c306cf834

KNOWN ISSUES

- The first incoming SIP call may have abnormal TX during a Teams call.

CHANGES SINCE FIRMWARE VERSION 1.0.1.11

ENHANCEMENT

- Supports ONVIF device monitoring. [ONVIF MONITOR]
- Added GS Odoo app. [GS ODOO APP]
- Added GDMS app.
- Added prompt after app preference reset.
- Updated TLS version to 1.2 and above.
- Improved image quality when door system is using Baudisch MJPEG format.
- Removed the 3DES cipher suite during TLS.
- Added One-kay Debug and Trace capture in Wi-Fi Monitor Mode in Diagnostics app.
- Fixed some prompt messages on LCD.
- Supported Guest Feature. [GUEST FEATURES]
- Supported Capture in Wi-Fi Monitoring Mode. [WI-FI MONITORING]
- Updated call forwarding features.
- Added BS Xsi app.
- Supported Enable Headset Noise Shield. [HEADSET NOISE SHIELD]
- Supported Enable Handset Noise Shield 2.0. [HANDSET NOISE SHIELD]
- Supported Noise Suppression Mode. [NOISE SUPRESSION]
- Improved login webpage.
- Added Security/Alarm. [SECURITY/ALARM]
- Supported Remote Phonebook on web UI. [REMOTE PHONEBOOK]
- Added web UI -> Applications -> Programmable Keys.

- Removed SIM card related settings from the LCD.
- Supported Account Sharing on web UI. [ACCOUNT SHARING]
- Supported Account Disaster Recovery on web UI. [ACCOUNT DISASTER RECOVERY]
- Supported Wi-Fi Display on LCD -> GS Settings -> Device Connection. [WI-FI DISPLAY]
- Supported call switch. [CALL SWITCH]
- Added "Custom" and "Simulate keyboard key" functions in the Settings -> Intelligent assistance -> Button customization.
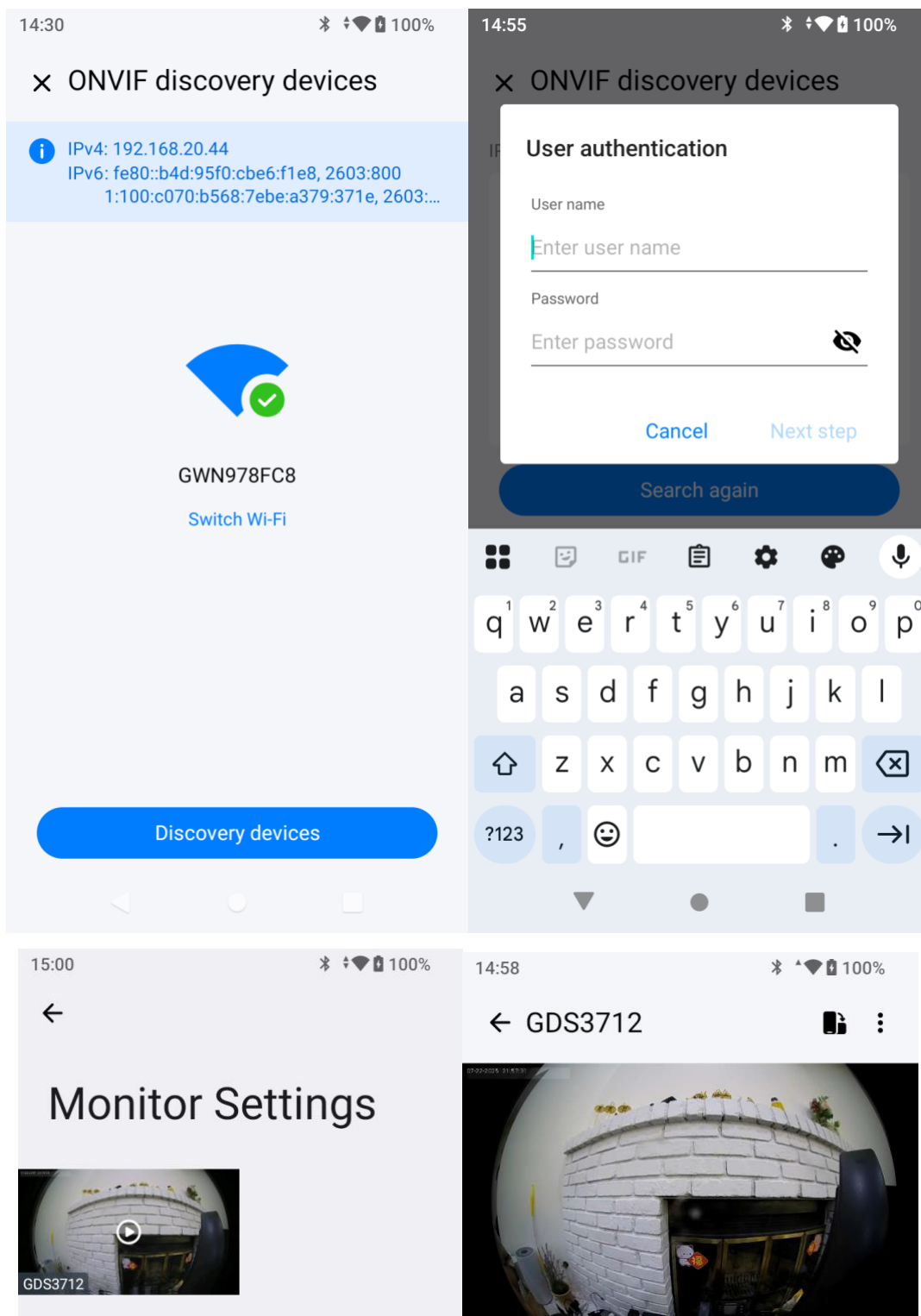
BUG FIX

- Fixed GDMS app automatically is opened when the GWN app scans the Mac and SN or passwords.
- Fixed device fails to resume the Wi-Fi display after a call.
- Fixed a PTT channel can be displayed in Default channel when the channel "Transmit" is disabled.
- Fixed SIP account fails to call primary server after the former is failed over to the secondary.
- Fixed the LCD and web UI feature names are not matched.
- Fixed device prompts packet loss alert when being held during a call or paging.
- Fixed device fails to play the notification tone when the receiving the consecutive PTT in a short time after the first.
- Fixed some display issues in Call Forward settings.
- Fixed prompt sound issue in incoming call preview when network is inconsistent.
- Fixed regular PTT and Zoom PTT are triggered at the same time.
- Fixed WP856 fails to answer IP calls when "Check SIP User ID for Incoming INVITE" is enabled.
- Fixed Setup Wizard SIP registration information does not take effect.
- Fixed "Select all" icon display issue for a chat thread in SMS app.
- Fixed "Wake screen for notifications" setting under Lock screen does not take effect.
- Fixed SSH access does not prompt updating the default password.
- Fixed video display issue when switching calls between Wave and SIP account.
- Fixed Dialer crash issue when pending a video call to initiate another video call from SMS.
- Fixed some more issues in SMS app, such as the message does not show correct button when the message content matches the contact number, no prompt when sending a group message but failing in some numbers, etc.
- Fixed prompt audio can be transmitted to the other party in video call preview mode.
- Fixed UCM account fails to save auto recordings after switching to another device during a call.
- Fixed device cannot receive the emergency paging when in a meeting call with full participants.
- Fixed search result errors on the web UI.
- Fixed "Emergency" is replaced by the customized label in PTT.
- Fixed calling issues after reset triggered by SSH command.
- Fixed Baudisch door system preview can bypass the username and password.
- Fixed GDMS controlling WP856's web UI access does not take effect correctly.
- Fixed GDMS diagnostics errors such as, retrieving device's static IP and subnet mask information incorrectly, ping or route tracing via GDMS returning an error, etc.
- Fixed some Broadsoft functionality errors in SCA, 3-way call and call park.

- Fixed Broadsoft registration failback using invalid header issue.
- Fixed screen lock preview errors in Settings.
- Fixed LED lighting errors based on battery volume.
- Fixed username and password synchronization issue with GDMS.
- Fixed Bluetooth & USB HID output errors from multiple code scanning.
- Fixed device fails to end the transfer line when receiving PTT/Paging.
- Fixed device does not display the attended party's video during the call transfer.
- Fixed device uses IPV4 address to interact with GDMS when set to prefer IPV6.
- Fixed the added account widget does not display pagination button.
- Fixed device fails to update correct CPU information to GDMS.
- Fixed device fails to create a TR069 custom ACS node.
- Fixed device does not request specified attributes in LDAP.
- Fixed device allows invalid hotspot channels regardless of the country code.
- Fixed the contact's name is shown incorrectly when language is set to simplified Chinese (Hong Kong).
- Fixed searching part of the number fails to match the contact.
- Fixed some call recordings errors such as incorrect naming for conference calls, etc.
- Fixed Metaswitch platform bugs such as TLS call drops automatically, extra SUBSCRIBE on call forward refreshing.
- Fixed dialer does not synchronize the call history when some records are deleted.
- Fixed device uses speaker channel to initiate the call from missed call prompt.

NEW FEATURES OVERVIEW

ONVIF MONITOR

This feature allows the user to add an ONVIF camera for monitoring. The feature is under LCD -> GS Settings -> Advanced settings -> Monitor Settings. Tap "ONVIF discovery devices" to search the device. Users can use the discovery tool to find or manually add the camera. Offer the admin password to access the device. Tap on the added device to view the streaming.

The web UI -> Value-added services can also configure this feature.

GS ODOO APP

This app integrates Odoo service. The app can be found on the LCD. The user needs to fill in and connect to the server.

GUEST FEATURES

This feature allows users to register the account as a guest. The guest needs to input the account ID and password, and PIN, to secure the use period and account information.

1. From web UI -> Phone Settings -> General Settings -> Guest Features, check "Guest Login" and save.
2. Administrator can assign timeout and PIN code. After the timeout, the user needs to input PIN again to stay active.
3. Admin should create SIP domain list for use to choose. If the server alias has 2 or more servers, the device would add them to the same virtual group and allows fail-over registration.
4. When the admin disable Guest Login feature, the device needs to reboot to take effect.

WI-FI MONITORING

This feature triggers the device to monitor the Wi-Fi channel session. It is under web UI -> Maintenance -> System Diagnostics -> Capture in Monitor Mode, or LCD Diagnostics app. The feature will save all the traffic to and from the selected channel and bandwidth. It is a better option for troubleshooting network congestion, delay, or authorization process, etc. When the capturing is started, the Wi-Fi cannot be connected and accounts cannot be registered. User has to stop it from LCD.

HEADSET NOISE SHIELD

This feature configures the appropriate shield level based on the TX loudness of the earphone. The higher the selected shield level, the more environmental noise will be reduced in the transmitted audio, but the

more likely it will affect sound quality. It is under web UI -> Phone Settings -> Enable Headset Noise Shield.

Enable Headset Noise Shield ⑦	Disabled ⌄

HANDSET NOISE SHIELD

This settings configures the noise suppressed in the handset. When enabled, the remote party will hear less environmental noise during a call. If set to "High Shield", most of the environmental noise can be shielded. If set to "Moderate Shield", some comfortable environmental noise will remain for the remote party. It is under web UI -> Phone Settings -> Enable Handset Noise Shield 2.0.

Enable Handset Noise Shield 2.0 ⑦	Disabled ⌄

NOISE SUPRESSION

This feature configures the noise suppression mode for the TX direction. Classic noise suppression can shield the smooth noise in the environment, while AI noise suppression can shield the smooth noise in the environment and eliminate sudden noise at the same time. It is under web UI -> Phone Settings -> Noise Suppression Mode.
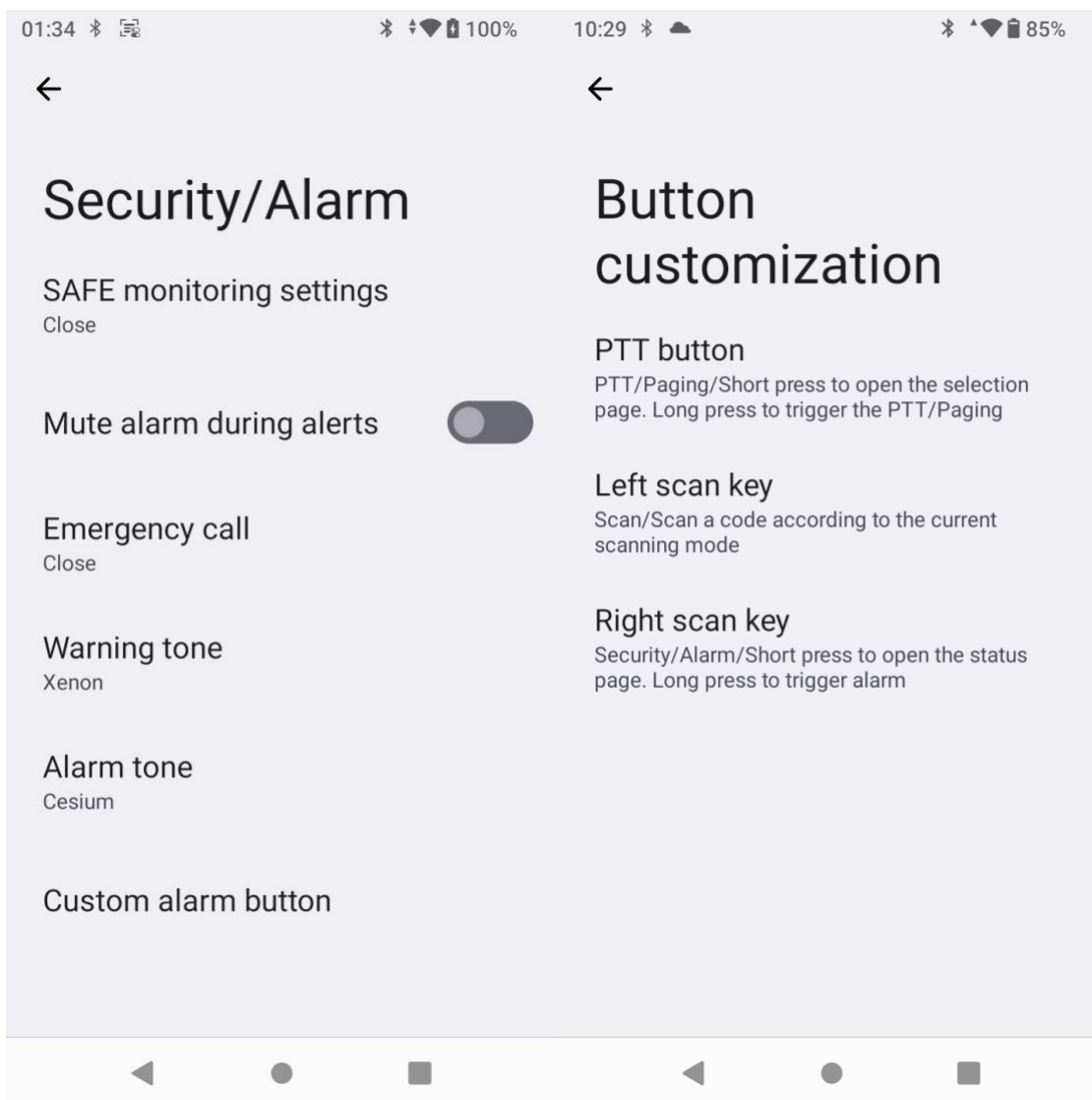
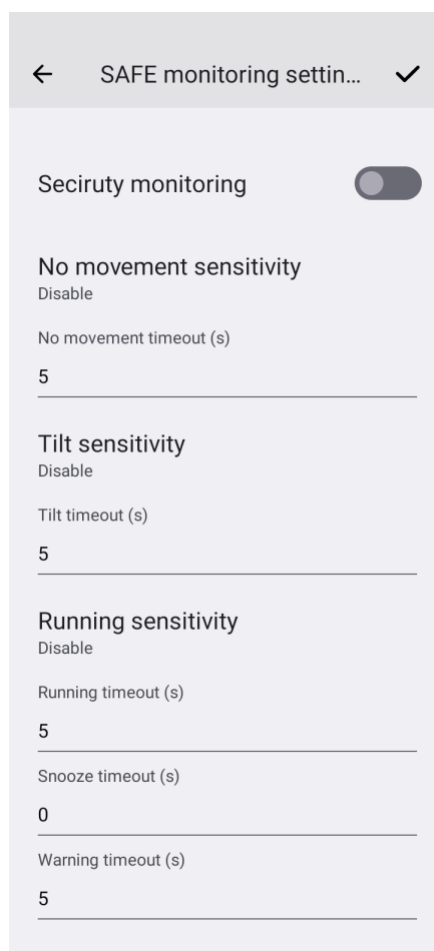| Noise Suppression Mode ⑦	Classic noise suppression ⌄

SECURITY/ALARM

This feature is designed to monitor the device status and play a warning or alarm to secure the user's safety. It is under LCD -> GS Settings -> Advanced settings -> Security/Alarm.
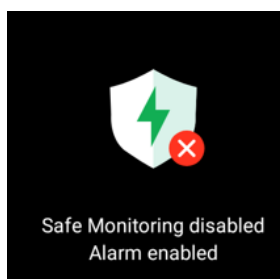
To use the feature, tap on the "Custom alarm button" to choose a button for manual triggering alarm.
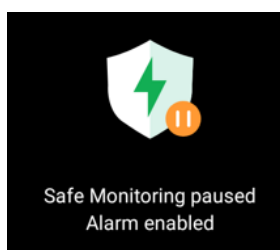
Security/Alarm

SAFE monitoring settings
Close

Mute alarm during alerts

Emergency call
Close

Warning tone
Xenon

Alarm tone
Cesium

Custom alarm button

Button customization

PTT button
PTT/Paging/Short press to open the selection page. Long press to trigger the PTT/Paging

Left scan key
Scan/Scan a code according to the current scanning mode

Right scan key
Security/Alarm/Short press to open the status page. Long press to trigger alarm

Short press the custom alarm button or tap on "SAFE monitoring settings" to set the monitoring types: No movement, tilting, or running. Timeout means the warning countdown before the alarm is triggered. If the user needs to play the alarm, simply long press the custom alarm button.
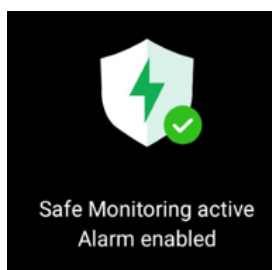
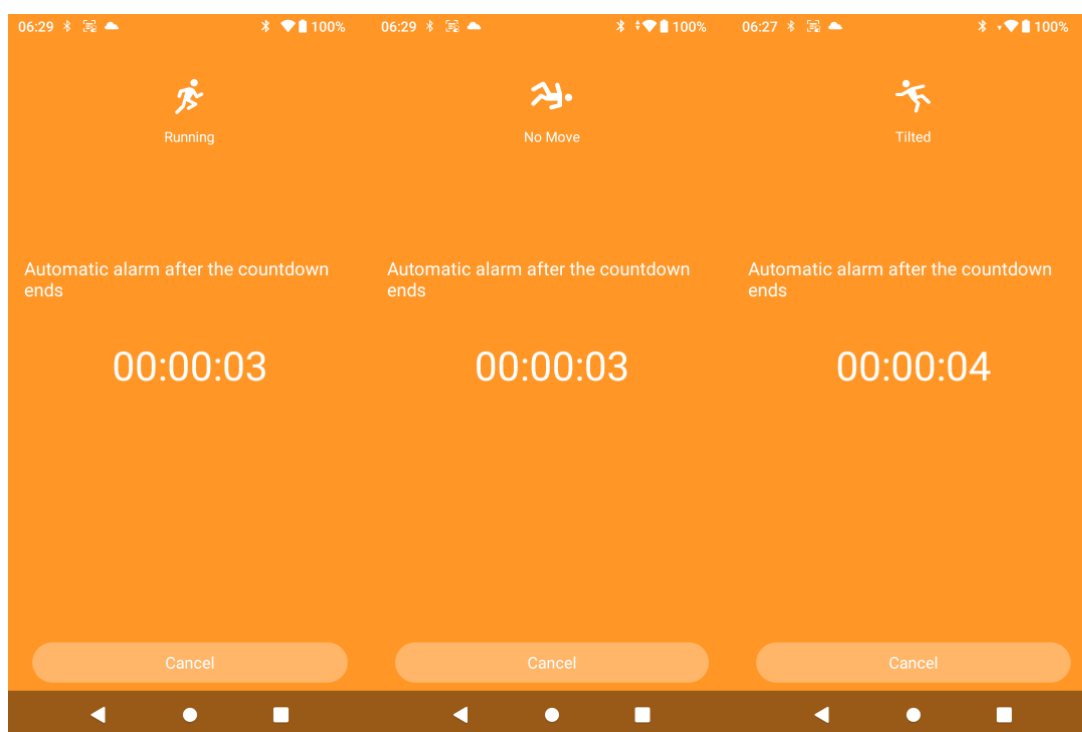1. By default, "Security monitoring" is off.

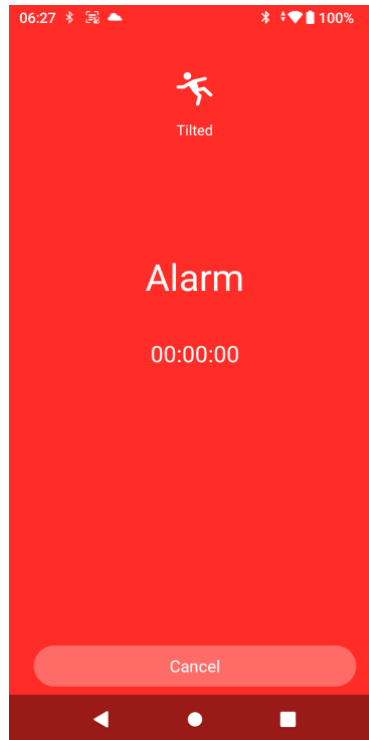2. When "Security monitoring" is on but no monitoring type is enabled, the icon will be like below.

3. When "Security monitoring" is on and any monitoring type sensitivity is enabled, the icon will be like below.

When the monitoring type is detected, one of the follwing will show up as a warning.

After the countdown is 0, the alarm will be automatically played with maximum volume. Below is an example when the tilting alarm is played.

REMOTE PHONEBOOK

This feature allows the user to import the phonebook from other servers. It is under web UI -> Applications.

ACCOUNT SHARING

This feature needs 2 or more WP856 to configure on the web UI, one being the host and others guest. After the successful paring, all device share the same SIP account registration from the host. This brings convenience where the user can answer the call from multiple locations using a single account.

Account Sharing

Account Sharing   Account Sharing List

| General Settings

Enable Account Sharing ⑦

Role in Account Sharing ⑦   Guest Device

Group Name ⑦   AccountSharing

Group Password ⑦   ••••••••••••

| Account Settings

Associated account ⑦   Adaptive Idle Account: Account 1
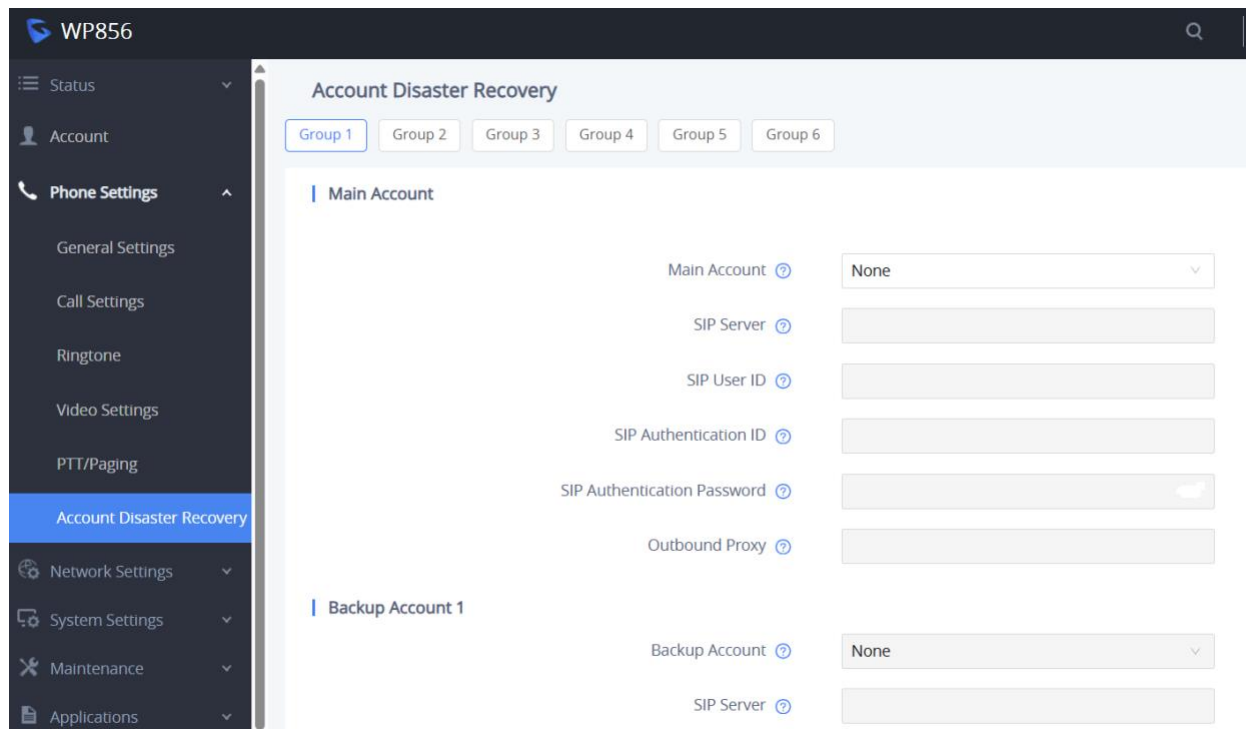
Guest Account Name ⑦

Save   Reset

ACCOUNT DISASTER RECOVERY

The new web UI configuration allows the user to group multiple accounts into one to implement SIP registration failover. It is under web UI -> Phone Settings. The account will try to register to the secondary server if fails on the primary.

Each account can be assigned to only one group.

Backup account must be behind the primary account. For example, if account 3 is the primary account, its backup account must be selected from account 4 to account 16.

WI-FI DISPLAY

This feature is for video call presentation function. Apple device must be on the same LAN as this device. The setting is on LCD -> GS Settings -> Device connection.

CALL SWITCH

This feature allows the user to switch an ongoing call between different devices or apps. When the user answers a call from such as Wave app on cellphone or PC, the LCD would display a notification on the top to allow switch the call to the device. After switching, the call on original device will be terminated.

Supported scenarios: 1) When the account is in a 2-way call or UCM conference. 2) When the account is in an audio or video call.

Unsupported scenarios: 1) When the account is having multiple exclusive calls with different users. 2) When the account is the host of a local conference call.

Switch methods: 1) Tap on the top of the device LCD. 2) Dial feature code *46 (or configured by UCM server).

WP856 FIRMWARE VERSION 1.0.1.11

PRODUCT NAME

WP856

DATE

02/13/2025

FIRMWARE FILE INFORMATION

- WP856 firmware file name: wp856fw.bin
  MD5: 8d33c9a272750e5d42f0ef3028b6d342

This is the initial firmware for WP856.

KNOWN ISSUES

Issue 1: Wi-Fi switch is not turned on automatically after factory reset via GDMS

Solution: Users need to manually enable the WiFi switch from GS Settings -> Network Settings -> Internet.

Issue 2: CPE CA certificate cannot be restored after factory reset via GDMS

Solution: Please update the "CPEService V1.0.2" in the GS Installer app. The service takes effect automatically after updating and there is no need to open it manually.

Issue 3: Call quality cannot be reported after factory reset via GDMS

Solution: To take effect, the device needs a reboot, or any settings change that is saved and applied from web UI.

Issue 4: Incorrect CPU information displayed in the system status on the GDMS platform. This will be resolved in the next firmware release.