



MIP-300



MIP-300 Wi-Fi phone

User Guide




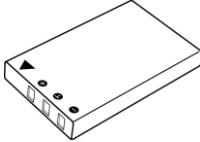
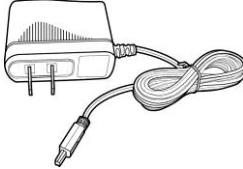



v1.2

1. Overview

This MIP-300 enables user to make VoIP phone calls through IEEE 802.11 b/g/n wireless network. Read this user guide carefully to learn how to operate this product and take advantage of its features.

Package Contents

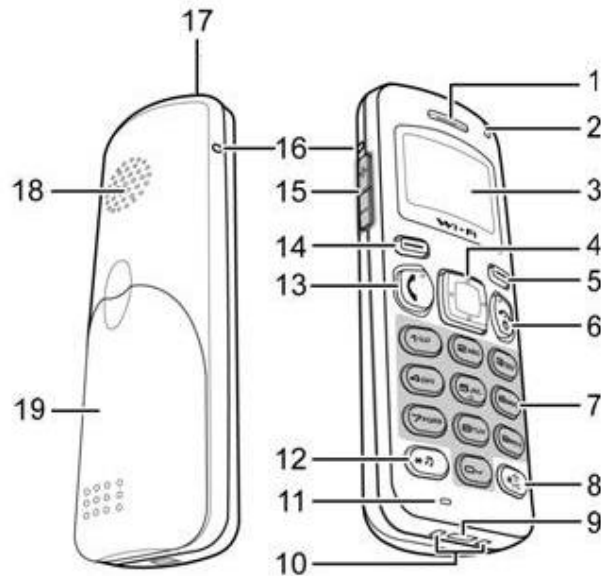
When unpacking MIP-300, ensure all the following items are present and undamaged. If anything appears to be missing or broken, contact dealer for a replacement.

Wi-Fi Phone	Charging Cradle	Belt Clip
		
MIP-300	Handset battery charger	Can be used to clip the phone after installation
Li-ion Battery	AC Power Adapter	Quick Guide
		
For MIP-300 use only, rechargeable.	Can be directly plug into the phone or plug into the charging cradle to charge the phone.	Quick reference for installation and basic phone settings.
Headset	Leather case	
		
For MIP-300 headset hands-free communication.	Helps protect MIP-300	

2. Product Description

Appearance

This describes the phone features of MIP-300.

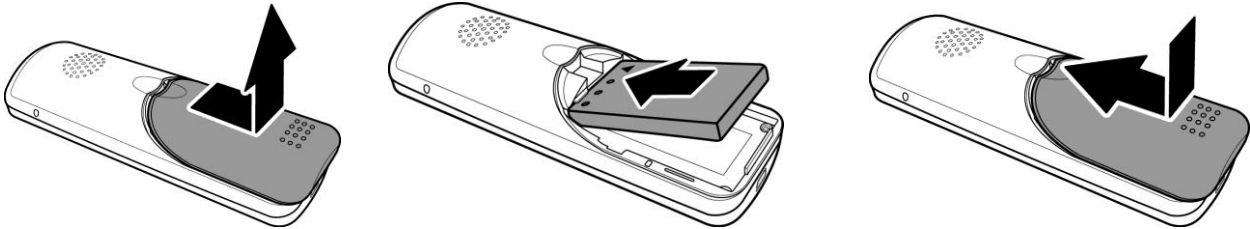


No.	Item	Description
1	Receiver	Receive voice from calling party
2	MWI LED	Message waiting indicator
3	LCD Display	112 x 64 pixel monochrome graphics display with backlight
4	Navigation Keys	Navigates through menu /Press lift nav. Key to delete one character
5	Right Soft Keys	Right Soft Keys
6	Power/End Key	Power on/ Power off/ End conversation/ Back/ Exit
7	Numeric Key	Enter alphanumeric and characters/ 0 for space character
8	Pound Key	Pound Key/ Press and hold to enable key lock
9	USB Jack	Connects to micro USB Charger
10	Charging Pad	Contacts to charging cradle
11	Microphone	Transmit user voice out
12	Star Key	Star Key
13	Call Key	Dial Phonebook or manually entered numbers
14	Left Soft Key	Left Soft Key
15	Volume Up/Down	Increase or decrease volume during a call
16	Belt Clip Gap	Hold the belt clip
17	Headset Jack	Headset Jack
18	Ringer speaker	Ringer speaker
19	Battery cover	Battery chamber cover

Inserting the Battery

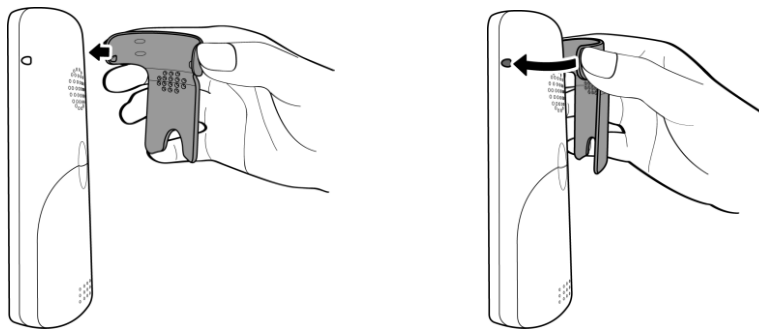
To insert the battery into MIP-300, perform the following steps:

- Slide off the battery compartment cover.
- Insert the battery as shown.
- Place the battery compartment cover until it clicks into place.



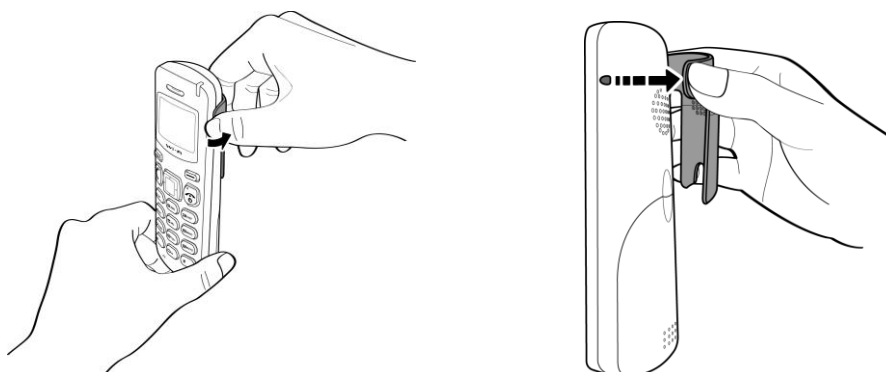
Installing the Belt Clip

- Fit the belt clip lock into the gap on one side of the phone.
- Then fit the belt clip lock into the gap on the other side of the phone. A click sound will be heard to indicate the belt is locked into place.



Removing the Belt Clip

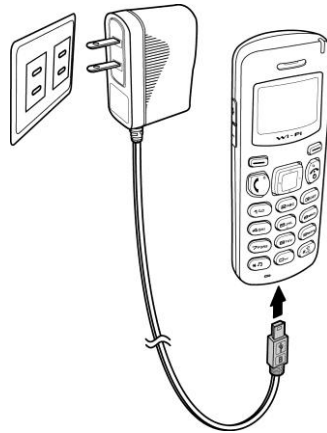
- Gently pull the fitted lock from one side of the phone to release the belt clip.



Charging MIP-300

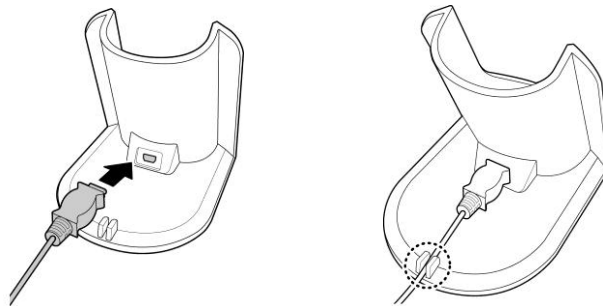
To charge MIP-300 directly with provided AC power adapter:

- Connect one end of the AC power adapter cable to the port at the rear of the phone.
- Plug the AC power adapter into the socket.

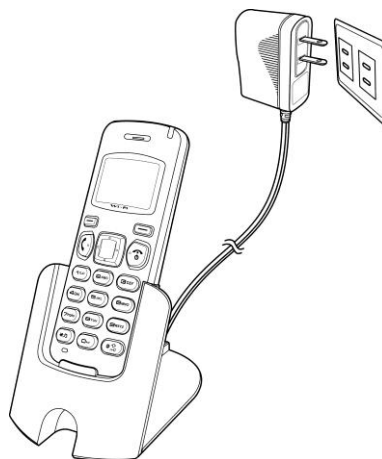


To charge MIP-300 with the charging cradle:

- Insert the USB plug of the AC power adapter to the cradle then insert the cable wire to the rib to fix the cable properly.



- Plug the AC power adapter into the mains socket then place MIP-300 on the cradle for charging.

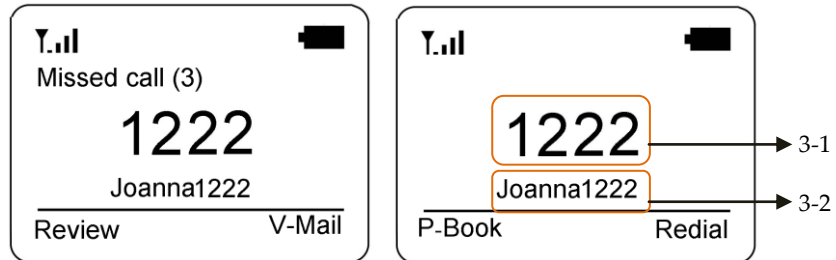


NOTE: The phone will turn on automatically when charging begins.


3. MMI MENU

Display Screen

The illustration below shows an overview of the layout of the display screens.

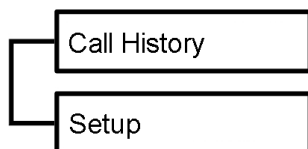


The display screen elements:

No.	Indicator	Description
1	Wi-Fi signal	Displays the Wi-Fi signal strength. The presence of four bars  indicates the strongest signal.
2	Battery level	There are three battery levels. Charging is indicated by a moving charging bar.
3	Extension number	Displays the extinction number in standby mode. 3-1: Display name 3-2: SIP account User ID
4	P-Book soft key	Press the left soft key to use stored phone book.
5	Review soft key	Press the left soft key to retrieve missed calls.
6	V-Mail Soft key	Press the right soft key to retrieve voice mail messages.
7	Redial Soft key	Press the right soft key to redial last call.

Main Menu

The menu directory enables user to access the phone settings and set up the device according to the network conditions and user preferences. The menu is set up in a simple and easily accessible manner:

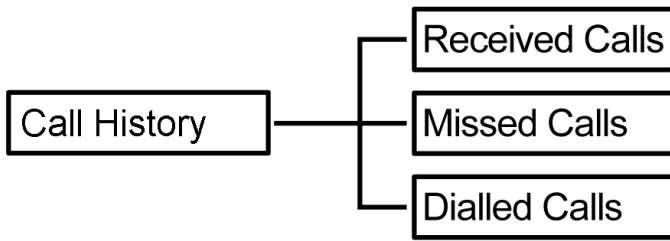


- Press the **Navigation** key to access the main menu.
- Scroll through the main menu options using the **Navigation** key.
- Choose a menu setting, press the **Select** soft key.
- Press the **End** key to go back to the previous level of the menu.

The display screen shows the menu and the soft key items. Soft key items vary depending on the menu options.

Call History

Call history stores information of received, missed, or dialed calls. The lists are stored and displayed from the latest to the oldest entries. The oldest entries are deleted as new entries are added.



Received Calls

The **Received Calls** list consists of all answered calls.

Missed Calls

The **Missed Calls** list consists of not answered calls.

Dialled Calls

The **Dialled Calls** list consists of recent dialed calls.

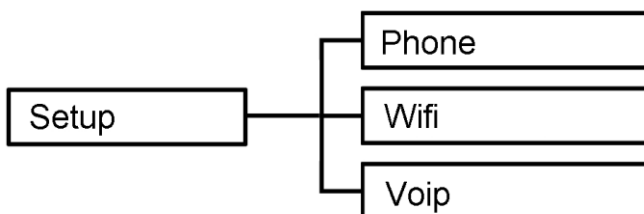
Use the navigation pad then press the **Select** soft key. Options are displayed on the menu:

- **Details:** Display the call details of the selected entry.
- **Dial:** Dial the selected entry.
- **Save:** Save the selected entry to the Phonebook.

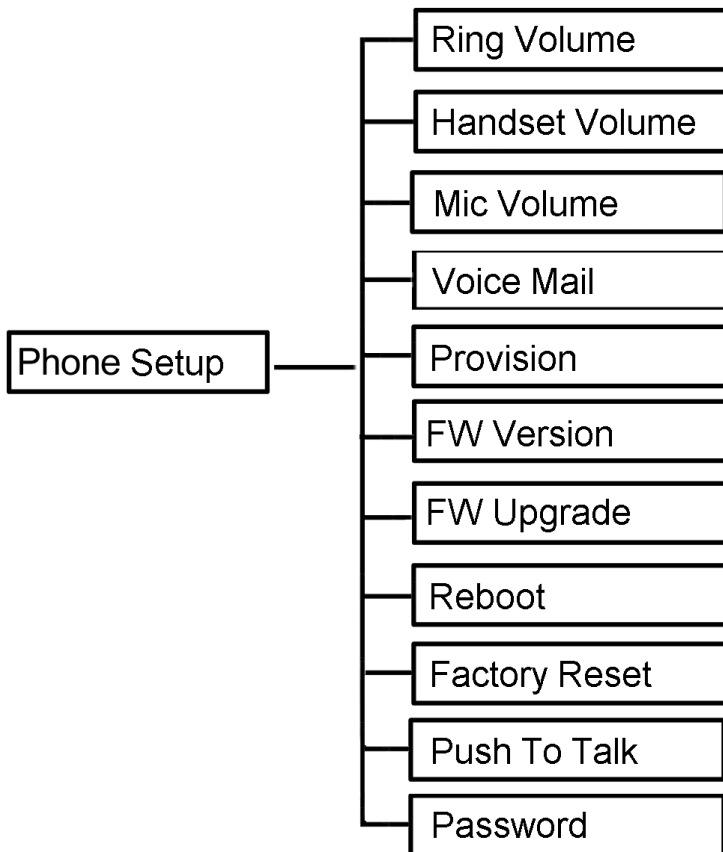
Press the left soft key to confirm the action.

Setup

Setup menu allows user to configure general handset settings as well as to reset the phone to factory defaults and upgrade the firmware.



Phone Setup



Ring Volume

Use the **Navigation** keys to increase or decrease the volume from 0 to 10 on the sliding scale. Or press **Default** soft key to use default volume level.

Handset Volume

Use the **Navigation** keys to increase or decrease the volume from 0 to 10 on the sliding scale. Or press **Default** soft key to use default volume level.

Voice Mail

Set the speed dial number to access voice mail system.

Provision

- **Server IP:** Input the provision **Server IP**.
- **File ID:** Input the **ID** to provision.

Press **OK** soft key to save.

FW Version

Check firmware version.

FW Upgrade

Upgrade MIP-300 to latest firmware.

Reboot

Reboot MIP-300.

Factory Reset

Erase all settings to factory default.

Push To Talk

- **Switch:** Enable or disable **Push To Talk**.
- **Group ID:** Set the **Group ID**. An unused network port number between 1024 ~ 65535. Group members must set the same **Group ID**.

Password

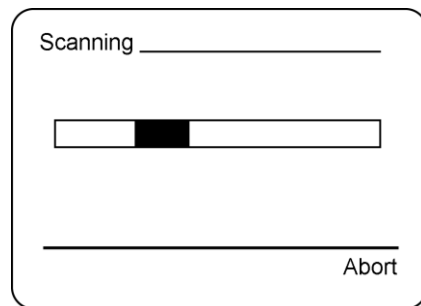
Set the password for entering the setup menu. Once display backlight turn off, MIP-300 would require password again to enter setup menu. Default password: **1234**

Wi-Fi Setup

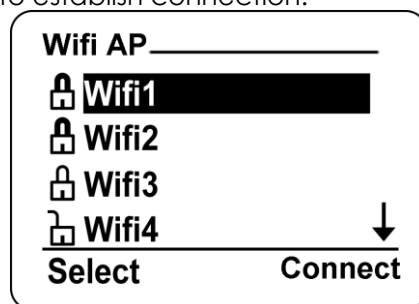
Scan the local area for Wi-Fi reception. Within Wi-Fi reception range, set the AP as default or connect through the Select Wi-Fi menu.

To scan for Wi-Fi AP, perform the following steps:

- When selecting **Wi-Fi Scan** option, the phone starts searching for AP and the display shows **Scanning...**



- The list of available connection AP is shown. Select the desired connection. Press the **Connect** soft key to establish connection.



- Enter the encryption password if required.

VoIP Setup

SIP Account

- Switch → Enable or disable SIP account registration.
- Display Name → SIP display name.
- Username → SIP user name.
- Auth Name → SIP authenticate name, used when SIP got 401 or 407.
- Password → SIP account password, used when SIP got 401 or 407.

- Register Domain → SIP server domain name.
- Register IP → IP for SIP server (FQDN or IP).
- Register Port → SIP Server listen port.

Example: <sip:1271@voip.com>

Switch : Enable

Display Name : 1271

Username : 1271

Auth Name : 1271

Password : 1234

Register Domain : voip.com

Register IP : 192.168.168.253

Register Port : 5060

Sip Global

- SIP Local Port → SIP local listen/sending port.
- RTP Port → RTP listen/sending port.
- Expire → Expire time for SIP REGISTER and MWI.
- MWI → Enable or Disable for send SUBSCRIBE for message waiting.
- DNS SRV → Enable or disable for DNS SRV query, only work when Register IP is FQDN.
- Keep Alive → Enable or disable for sending dummy packet to SIP server.
- DTMF Type → RFC2833/SIP info/in band.

Codec

- First Codec → G.711U/G.711A/G.729/Disable.
- Second Codec → G.711U/G.711A/G.729/Disable
- Third Codec → G.711U/G.711A/G.729/Disable
- Frame Size → 20ms or 40ms for RTP packet.
- 2833 Payload → RFC 2833 payload type.

Apply

Please select **Apply** to save modifications after updating of SIP settings.

4. Operations

Answer a Call

An incoming call is indicated by a ringing tone. Answer the call by pressing the **Call** key to answer the call.

Make a Call

Enter the telephone number with the alphanumerical keypad.
After entering the number, press the **Call** key to dial.

Mute

When a call is in progress, press **Mute** soft key to mute MIC. Press **Unmute** soft key to activate MIC.

Blind Transfer

When a call is in progress

- Press **hold** soft key.
- Enter the phone number you want to transfer,
- Press the **Transfer** soft key to transfer the call.

Push To Talk

Press and hold **Call** key to start a **Push To Talk** call.

5. Support

For technological support, please contact

support@aeicommunications.com

Record of Revision

Date	ver.	Description
2022/12/1	1.2	QIG v1.18 → User Guide v1.2