

Grandstream Networks, Inc.

**Wave Mobile Application (Android/iOS) –
User Guide**



WELCOME

Thank you for using the Grandstream Wave mobile app. Wave is a free mobile app that provides remote voice and video collaboration tools for businesses utilizing Grandstream’s UCM IP PBXs. Ideal for remote and traveling workers, Wave offers an easy-to-use platform that allows users to remotely join, schedule, and hold meetings, calls, and conferences from mobile devices. It also allows UCM series users to directly call other extensions, landlines, and mobile numbers. Wave is available for Android™ and iOS™ devices, can be quickly configured by scanning a QR Code produced by the UCM series, and is compatible with Grandstream’s UCM RemoteConnect cloud service to ensure fully secure remote connections. With Wave, businesses can provide remote workers with a powerful mobile app to meet and collaborate from anywhere, boosting communication and productivity for multi-location organizations.

PRODUCT OVERVIEW

Feature Highlights

- Supported by Android™ 8.0+ and iOS™ 11.0+ with 2G/3G/4G/5G and Wi-Fi networks.
- Voice channel switching between Bluetooth, mobile device, speakerphone, and 3.5mm handset jack.
- Native integration with mobile devices, including contacts and call history, and the ability to display SIP users’ online status
- LDAP support makes finding contacts easier
- Supports call display, voicemail, and call encryption
- Full integration with Grandstream’s series of IP PBXs, including the creation of a QR code for automatic login, call transfer, call recording from the server, etc.
- Supports Multi-factor authentication for login when integrated with UCM6300/A IP PBX.
- Supports Microsoft login when integrated with Microsoft Entra ID (Azure AD).
- Supports H.264
- Conveniently join meetings without logging in
- High-quality point-to-point audio/video calling, jitter resilience up to 50% audio packet loss, and 20% video packet loss
- Support schedule meetings and meetings now anywhere, anytime
- Built-in NAT traversal, including automatic NAT discovery and TURN/ICE.
- Support basic chat features, including point-to-point chat and group chat features, sending documents and emojis, starting video meetings in group chat, synchronizing group chat and meeting chat, etc.

Wave Technical Specifications

Background Mode	When the background mode is enabled, the user can still receive incoming calls, messages, and notifications when the application is running at background It is recommend to enable this if issues are experienced with message notifications and receiving incoming calls.
Disable Battery Usage Optimization	This allows Wave to use the battery in the background. If this option is disabled, issues like not receiving notifications and incoming calls might not be received.
Enable Background Data	Enable this option to allow Wave to use data in the background. Disabling this will prevent any messages or calls to be delivered when Wave is on the background.

Wave Technical Specifications

Please visit our website for more Wave application information and product documentation:

PREREQUISITES

Device Requirements

Operating system: Android™ 4.2+, iOS™10+

Hardware: Compatible with most Mobile phones and tablets running Android™ 4.2+ or iOS 10+

Network: Wi-Fi, 2G, 3G, 4G, and 5G networks

Download and Installation

Wave app can be downloaded from Google Play or App Store and installed.

Click on the Wave app icon  to open it.

Notes

- When running the Wave app for the first time, users will be prompted to confirm whether to allow the application to access contacts. If allowed, users could view local contacts on the Wave app.
- Wave app requires permission related to making calls, managing calls, as well as accessing the camera, microphone, some system files, call status, mobile network information, etc. When prompted to allow permission, please select Allow for the Wave app to be used normally.
- For some Android devices, the Wave app requires users to enable floating window or background pop-up window permissions. Otherwise, incoming call notifications cannot be received.

Touchscreen Gestures



Gestures on Touchscreen

When using the Wave app, users can manipulate the above-shown gestures to control the touchscreen.

- **Tap:** Touch the screen with a fingertip once to select or open a menu.
- **Press and hold:** Touch and hold the screen with one fingertip for about 2 seconds to bring up more operations.
- **Flick and Slide:** Slide a fingertip across the screen. For example, users can swipe up/down to scroll through a page or slide left/right to switch video feeds during a video conference.

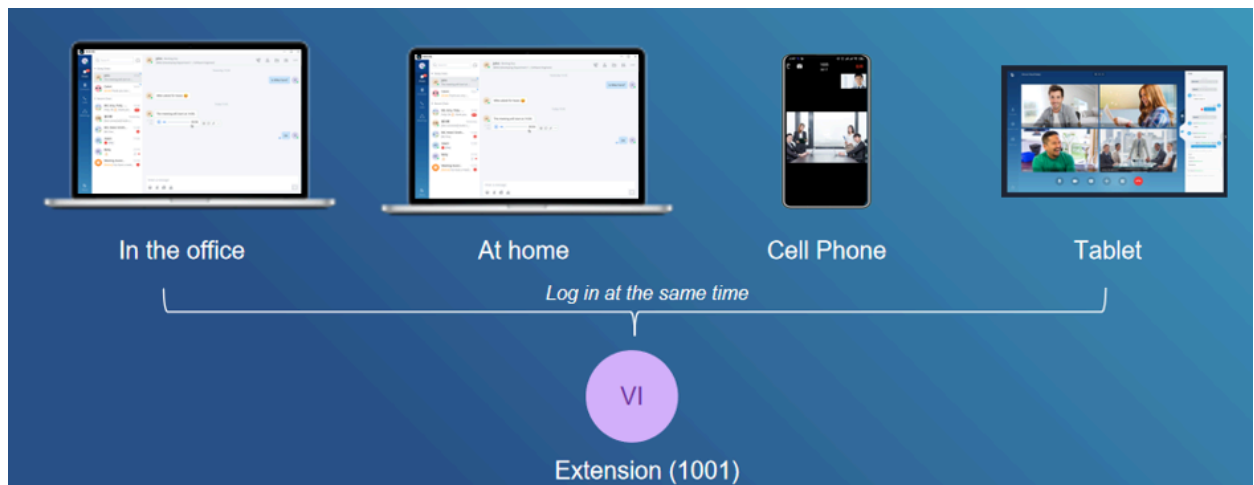
USING WAVE MOBILE APP

Signing In

Users can sign in on different platforms at the same time and use different methods:

- [Using Credentials.](#)

- Using QR Code.
- Using Biometrics.



Wave Multi Device Login

Information

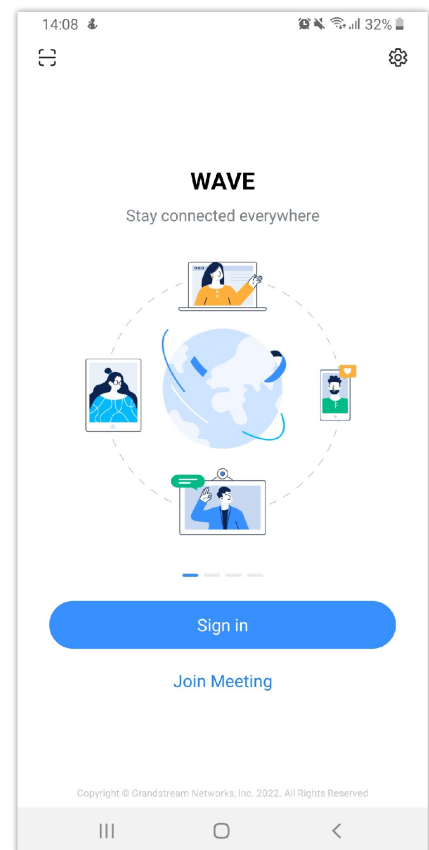
The multi-device login option must be enabled on the UCM6300/A series. For more details, refer to the UCM6300/A Series User Manual.

For more details on how to manage the logged-in devices, refer to [\[Login Device Management\]](#).

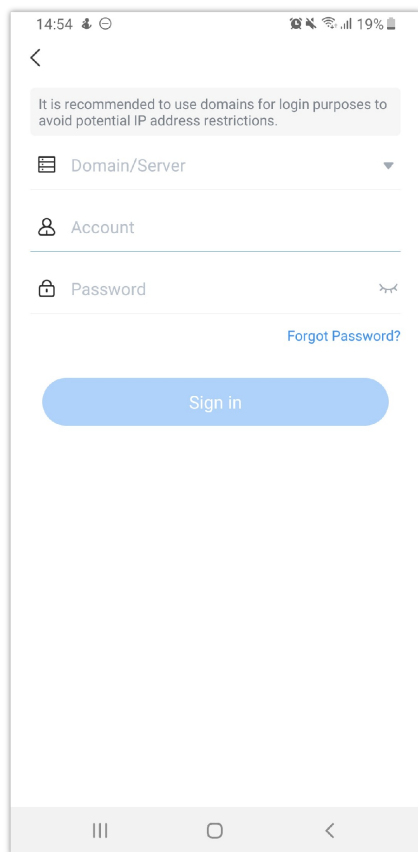
Signing In Using Credentials

Step 1: After opening the Wave app, tap on “Sign in” to open the login interface.

Step 2: Enter the server address, account number, and User password. Then click “Sign in”.



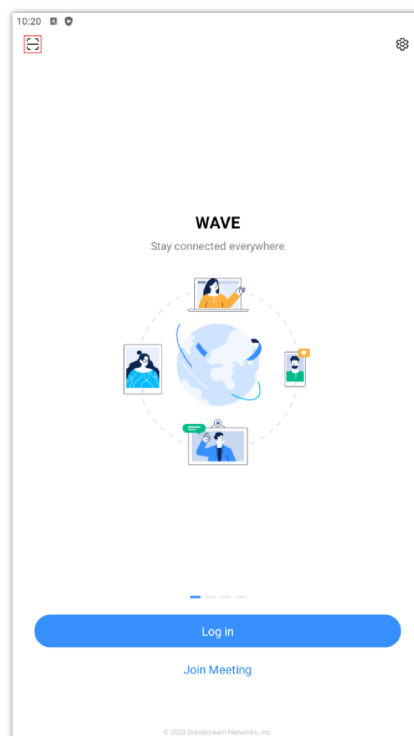
Wave Mobile Welcome Page



Wave Mobile Login Page

Signing In Using QR Code

The user can also tap  to log in using the QR code provided in the Wave welcome email, or if the user has already open his/her account on Wave Desktop or Wave Web.



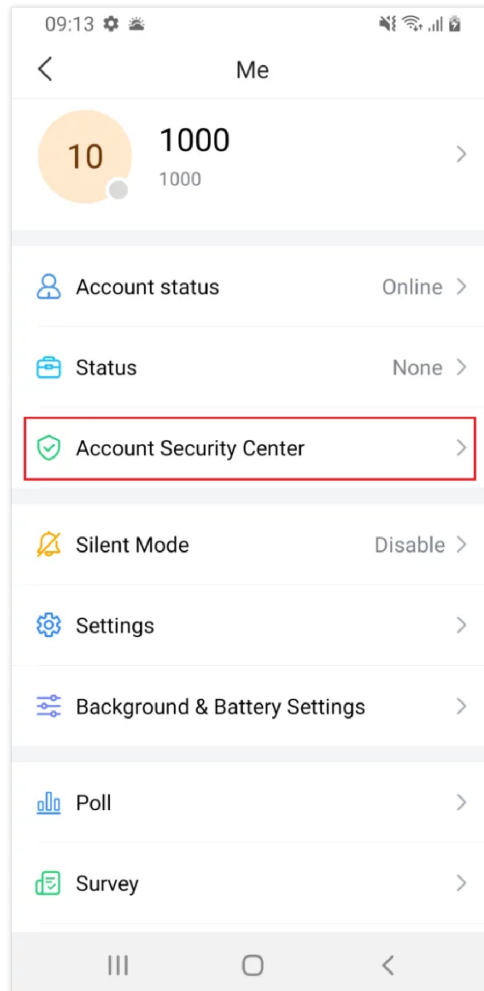
Scan QR Code

Signing in using Biometrics

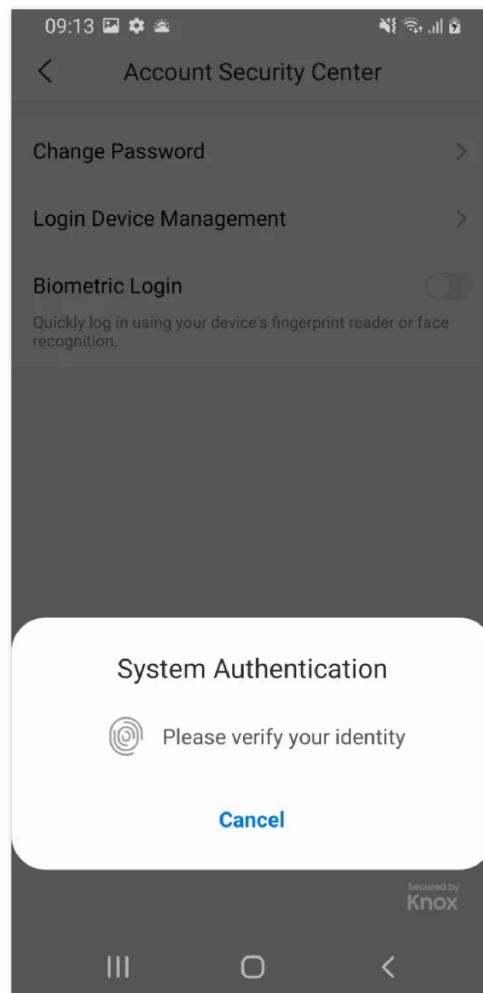
The Wave mobile app allows the user to set biometrics as a login method. Wave relies on the biometric readers and the configuration of the mobile phone to provide a quick login. Therefore, they should be preconfigured before being enabled on Wave. The common biometrics that can be found on commercial smart mobile phones are fingerprint scanners, facial recognition, and iris recognition.

To enable biometric login, please follow the steps below.

1. Tap on your profile on Wave to open your account-related settings.
2. Tap on Account Security Settings, then tap Biometric Login to enable it
3. Verify your identity

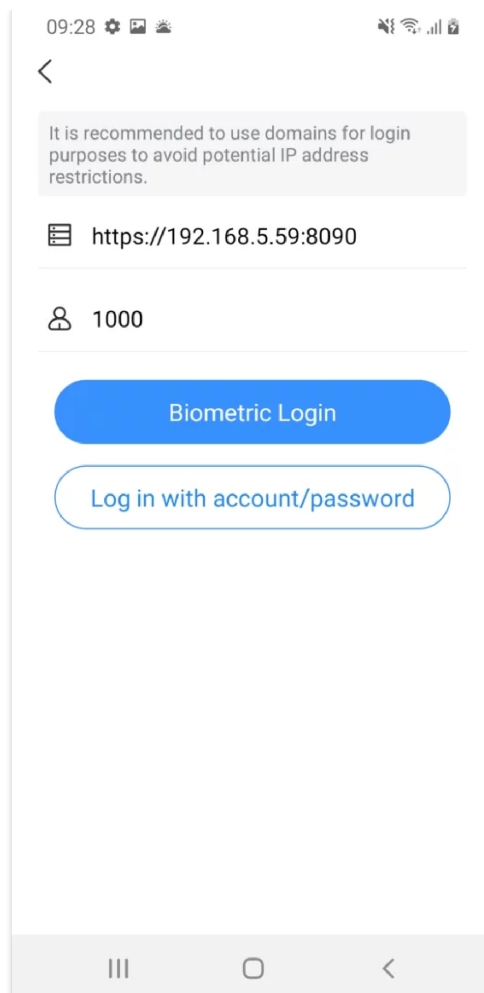


Profile Options



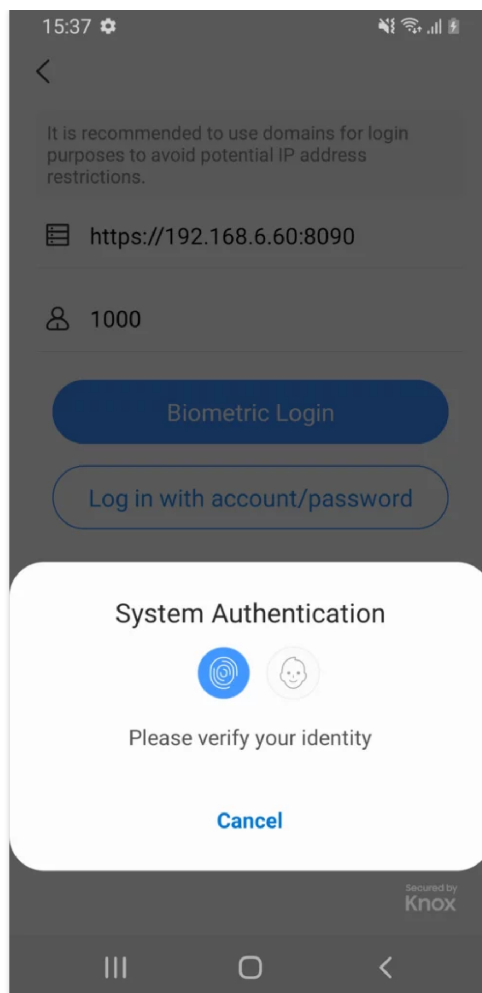
Biometrics Verification

When logging in, enter your server address and your extension number, then select "Biometric Login".



Wave Login Page

If you have set more than one biometric on your phone, you will be prompted to choose one of them to log in, as seen in the screenshot below.



Biometric Login

If you have chosen to log in using your fingerprint, please place your finger on the fingerprint reader. If you have chosen to log in using facial recognition, then face your phone's camera to authenticate.

Signing In Using Microsoft Account

Wave mobile supports Single Sign-On (SSO) via Microsoft accounts (Microsoft Entra ID/Azure AD), when enabled by the UCM administrator. This allows users to log in using their Microsoft 365 credentials.

Prerequisites:

- UCM administrator must complete Microsoft Entra ID integration (see [Microsoft Entra ID Configuration Guide](#)).
- The extension must be associated with a Microsoft account by the administrator.
- This feature is only supported on UCM6300/A series firmware 1.0.29.6 or later.

Once Microsoft Entra ID is integrated, follow these steps to enable SSO on the UCM:

1. Log in to the UCM web interface as administrator.
2. Navigate to **Integrations** → **Microsoft Entra ID (Azure AD)**.
3. Under Single Sign-On (SSO) section:
 - Enable "Single Sign-on (SSO)".
 - Add the UCM's SSO redirect URI to Microsoft Entra ID application settings.

UCM SSO Configuration Page

Note:

SSO cannot be activated unless at least one Microsoft Entra ID user is successfully bound to a UCM user account.

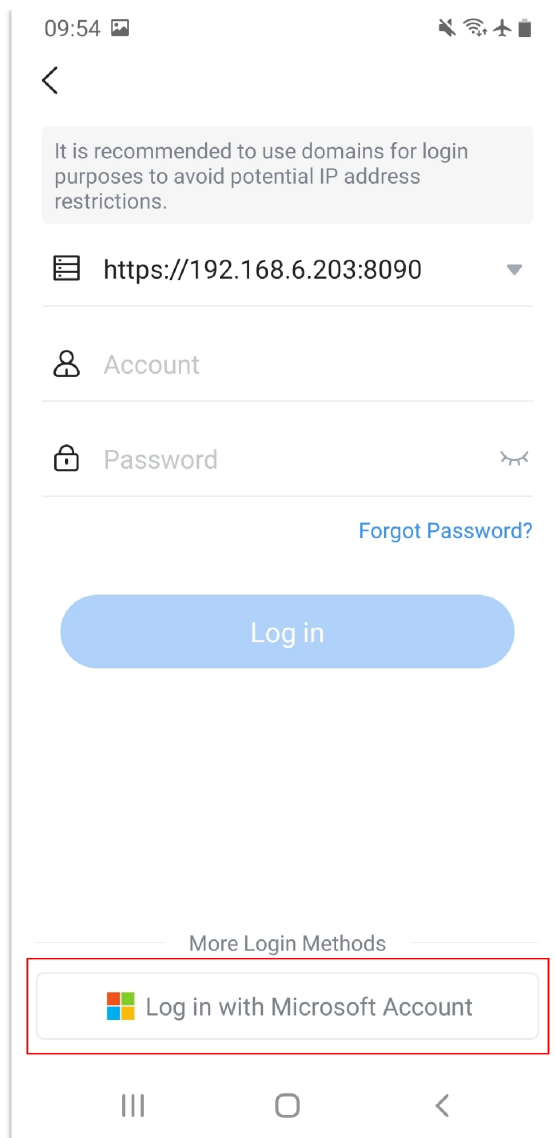
To verify if an extension is bound to a Microsoft account, navigate to **Extensions/Trunk** → **Extensions**. Bound extensions will display a Microsoft logo badge, as shown in the screenshot below.

Username	Privilege	Last Operation Time	Options
John 	Administrator	2025-05-20 11:12:09	 

Microsoft bound Extension

To login to Wave mobile with a Microsoft account, please follow the instructions below:

1. Launch the Wave mobile application.
2. On the login screen, enter the server address, then click "Log in with Microsoft Account".



Microsoft Account Login Option

3. Once redirected to Microsoft's login page, enter your organizational email address and complete the authentication process.

09:42 



 Microsoft

Sign in

Email, phone, or Skype

[Can't access your account?](#)

Next

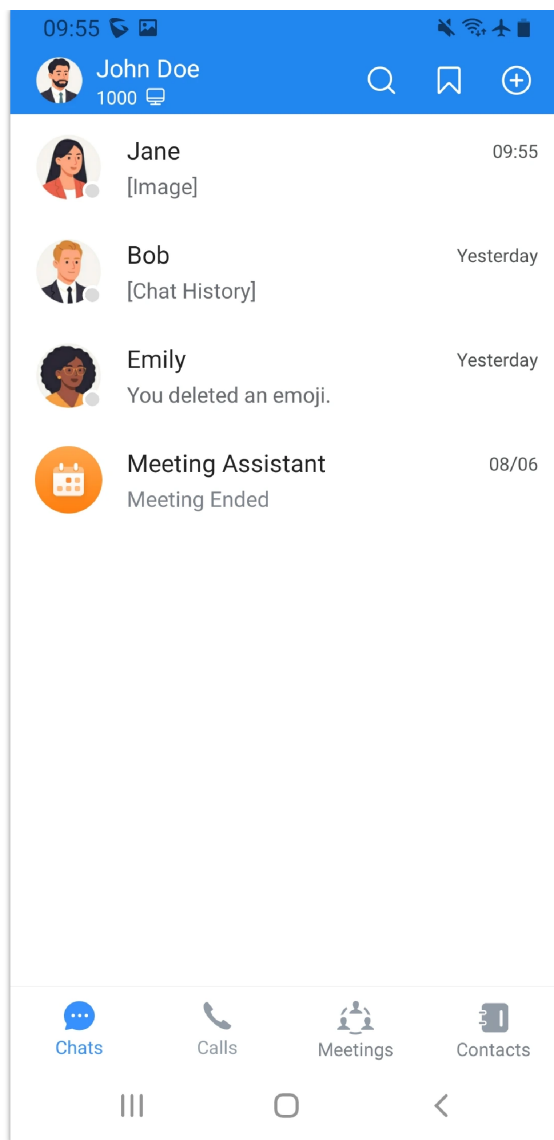
 Sign-in options

Terms of use Privacy & cookies ...

Microsoft Organizational Login

4. Upon successful authentication, you'll be automatically logged into Wave Desktop.



Extension Successful Login

Multi-Factor Authentication

To strengthen account security and protect user data, Wave includes support for **Multi-Factor Authentication** for mobile application users.

When this feature is enabled, users will be prompted to complete the **MFA Binding process immediately after their login** to the Wave mobile app. The system will prompt for a time-based one-time password (TOTP) or other configured MFA method during each login session.

If multi-factor authentication is enabled for a user, they must first log in to Wave Desktop or Web to complete the setup before using it on the mobile app.

Please follow the steps below to enable and configure MFA for Wave mobile app users:

1. Enable MFA Binding on the Extension Level

- Navigate to **Extensions** on the UCM web interface.
- Locate the desired extension and enable "**Multi-Factor Authentication**" under the **Wave Client** settings.

Extensions > **Edit Extension: 1000**

Basic Settings Media Features Voicemail Custom Time Wave Client Follow Me Advanced Settings

To use Wave in a public network environment and ensure proper media traversal, RemoteConnect services must be deployed, or STUN/TURN servers must be configured. RemoteConnect is recommended.

Normal

Enable Wave ☒

Allow Concurrent Logins from the Same Client Type ☐

If enabled, Wave will allow more than 1 Desktop/Web client and more than 1 Mobile client login at a time. Otherwise, only 1 Desktop/Web login and 1 Mobile login will be allowed. The extension's concurrent registration limit will still apply.

Multi-Factor Authentication ☒ Authentication Method: -

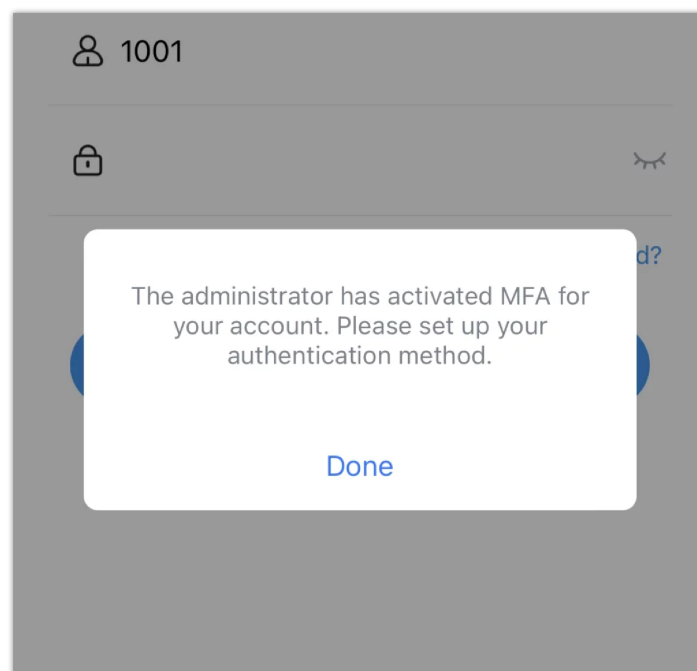
Once enabled, please use the recommended wave version to prevent users from being unable to log in because the Wave version does not support multi-factor authentication.

Wave Welcome Email [Email Template](#) [Send to Extension](#)

Wave Permission Settings [Go to Page](#)

Extension Wave Client Settings

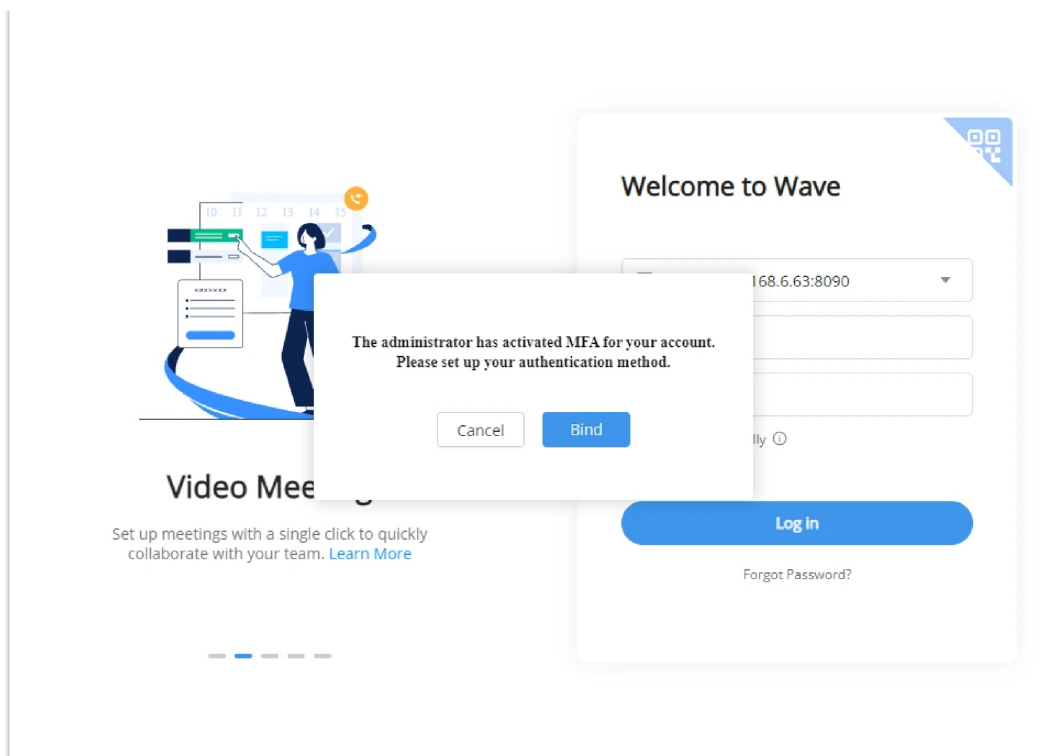
2. When a user attempts to log in to the Wave mobile app, they will be notified that multi-factor authentication is enabled on their account and must complete the setup to proceed.



MFA Prompt on Wave iOS app

3. Log in to Wave Web/Desktop

- The user needs to log in to the Wave Web/Desktop using their User/Wave credentials.
- After logging in, the following message will be displayed.



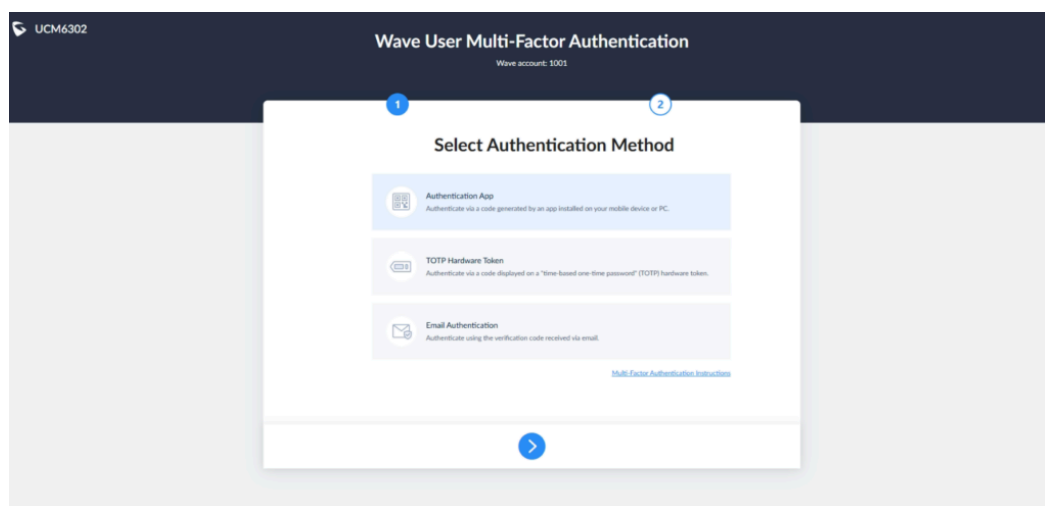
MFA Enabled Prompt

4. Click the **Bind** button to begin the MFA setup.

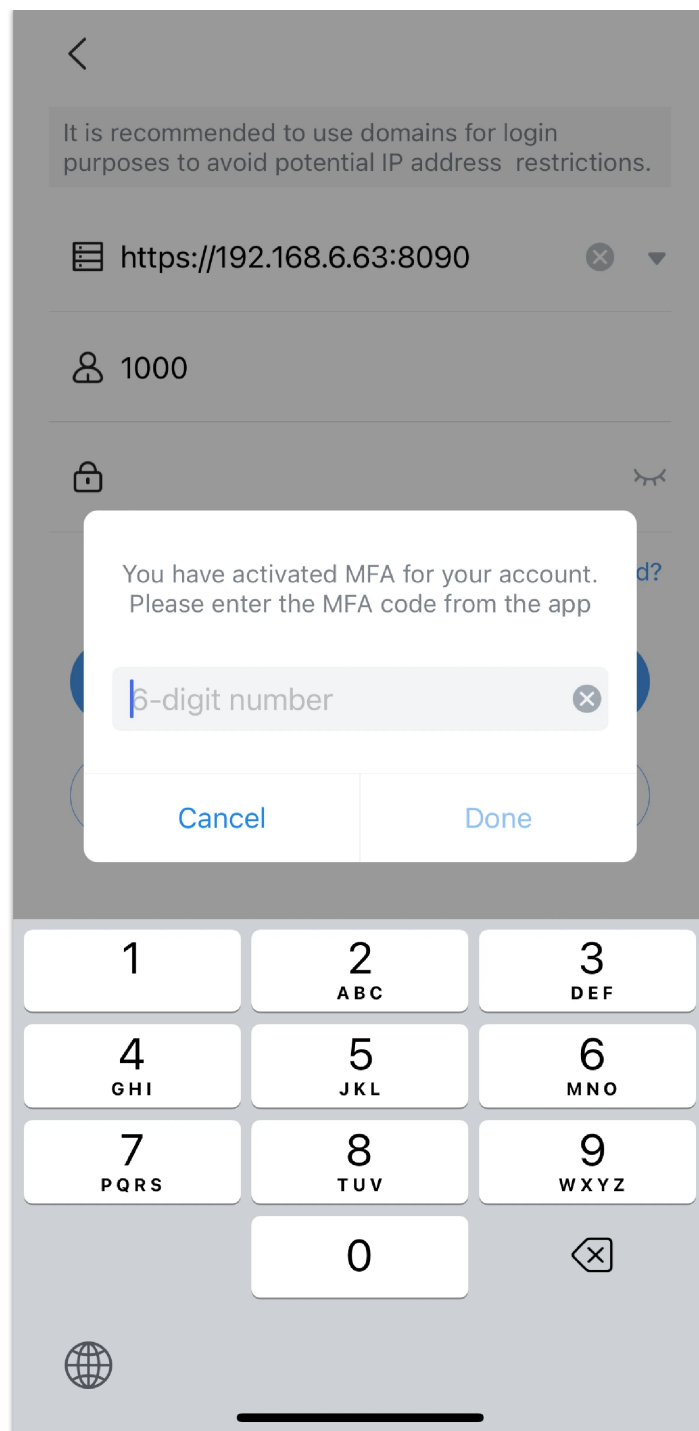
5. Select **Authentication Method**, the available MFA options are:

- **Authentication App:** Authenticate via a time-based one-time password (TOTP) generated by an authentication app (e.g., Google Authenticator, Microsoft Authenticator) installed on a mobile device or PC.
- **TOTP Hardware Token:** Authenticate using a hardware token that displays a TOTP code.
- **Email Authentication:** Sends a **verification code to your email**. You check your inbox, copy the code, and enter it to complete the login.

Please refer to [the Multi-factor Authentication How-To Guide](#) for step-by-step instructions on configuring both authentication methods.



Once setup is complete, the selected MFA method will be required for all future Wave mobile app logins associated with that extension.



MFA Login Prompt

Making a Call

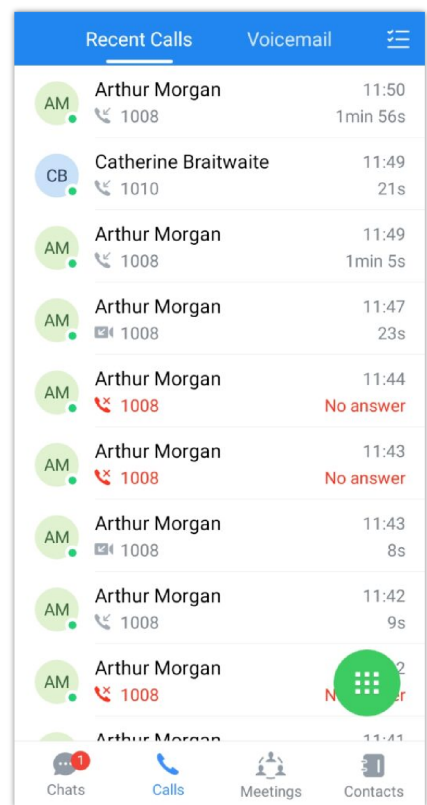
Step 1: Click  on the bottom right corner of the app to bring up the dial pad.

Step 2: Enter the number to dial. Recent numbers and contacts will appear automatically as you type.

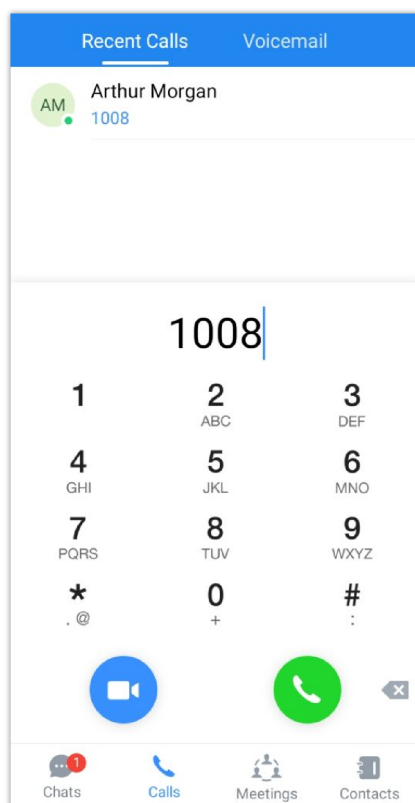
Step 3: Click  to make a video call or click on  to make an audio call.

Note:

When dialing a number, the dial panel supports searching the last 50 call logs.



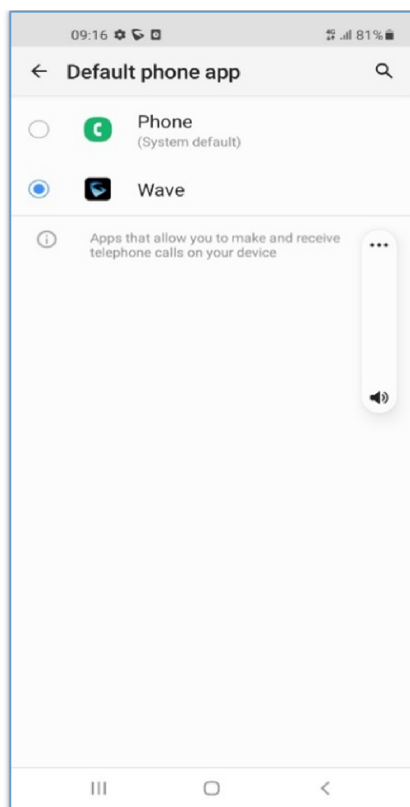
Recent Calls



Recent Calls

Notes

- With the Wave app, users can dial other extensions and any other number allowed by the UCM server.
- The user can select the Wave app as the Default phone app to make calls.



Default Phone App

The user can also use the phone assistant (supports only Siri and Google Assistant) to start a call. The user can start a call by uttering "Hey Siri!" or "Hey Google!" and then say, for example, "Please use Wave to call Max". Wave will be opened, and a call to Max will be initiated.



Initiating Wave Call With Siri

Redial

Users can quickly call the last dialed number as long as it exists in the call history.

Method 1: Open the dialing interface by tapping on the Dial tab.

Method 2: Tap on the pound key # on the dial pad to automatically call the last dialed number.

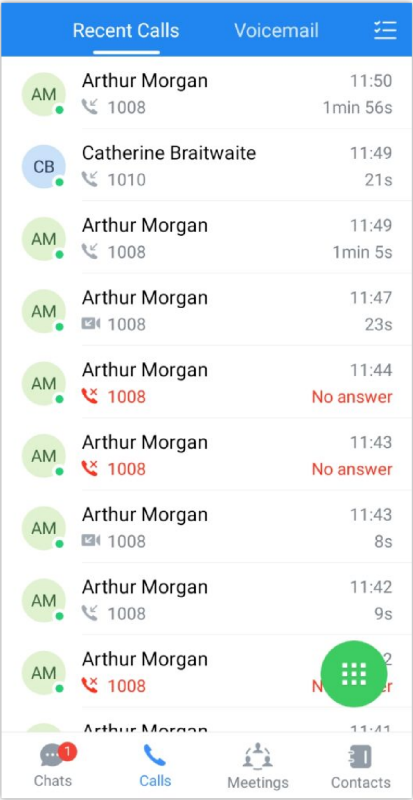
Call History

Call history is displayed on the **Dial** page. It displays all call history and voicemail messages in each Wave client for the Wave account.

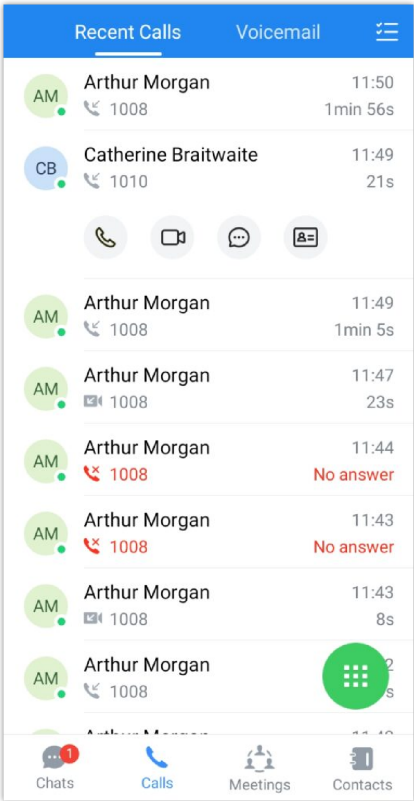
Note:

In Call Queue and Ring Group scenarios, the call history displays the name and number of the person who actually answered the call.

- To hide the dial pad, swipe down on the page. Users will be able to view more call history entries.
- Click on the  button on the bottom right corner of the app to bring up the dial pad.

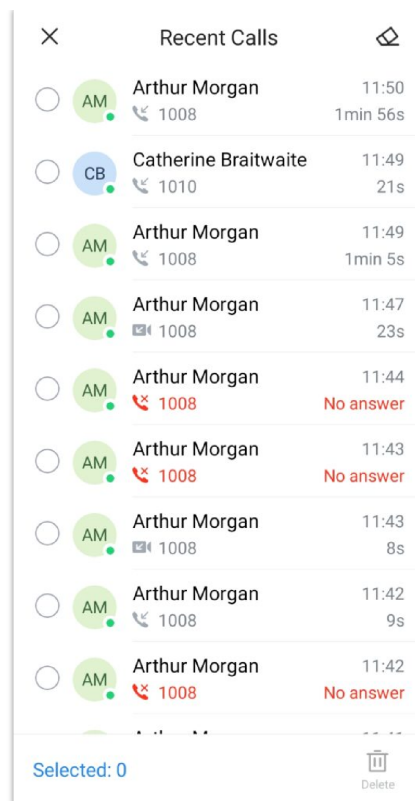


Recent Calls



Recent Calls

By clicking on  the user can delete the entries in the call history tab.



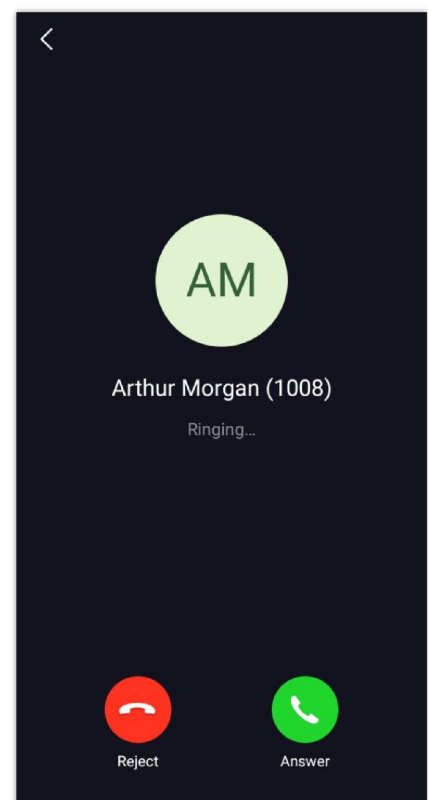
Delete Call History Entries

Select the entries that you want to delete and then tap on . To delete all the entries, tap .

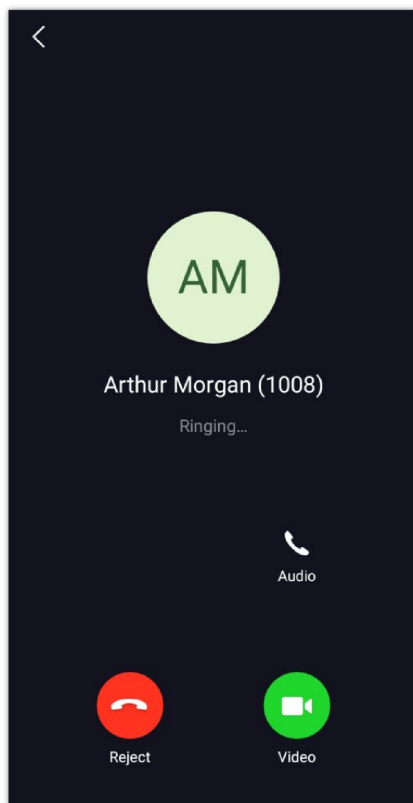
Answering a Call

While Wave is running in the background, incoming calls will ring the device and bring up the following screen, shown in the images.

- For incoming audio calls, users can tap on  to answer the call or tap on  to reject it.
- For incoming video calls, an additional button  is available to answer the call with video on.



Audio Call Received



Video Call Received

Note

Limited by the network, the call reminder will have a delay of about 4-5 seconds. If the region of the iPhone is set to China, you will not be able to receive a call reminder. It is suggested to change the region of the mobile phone to a non-China area.

During a Call

During a call, users can hold/unhold the call, mute/unmute, bring up the dial pad to enter DTMF, switch audio channel, etc.



Audio Call



Video Call



Use the speaker as the audio channel. The user can select to switch to the earpiece, the wired headset, or a specific Bluetooth headset.



Use the earpiece as the audio channel. The user can select to switch to the speaker, the wired headset, or a specific Bluetooth headset.



End call: Tap to end the current call.



Mute/unmute: Click to mute or unmute.



Video on/off: After tapping on enable video, a video invitation will be sent to the remote party. If the remote party accepts, video feeds for both parties will be displayed.



N-way conference. Click to add participants to the conference.



Hold/unhold: Tap on hold a call or retrieve a held call.



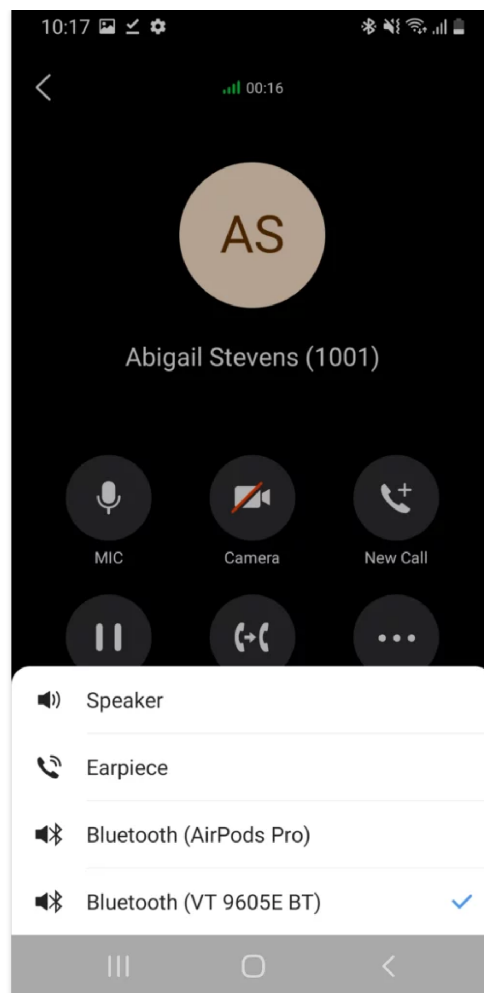
Transfer: Click to transfer the call. Blind transfer and attended transfer are supported.



DTMF: Tap to bring up the dial pad and enter DTMF.

When multiple Bluetooth devices are connected, the user can quickly switch between the devices by tapping the icon then the user can select the channel on which the sound will be transmitted.





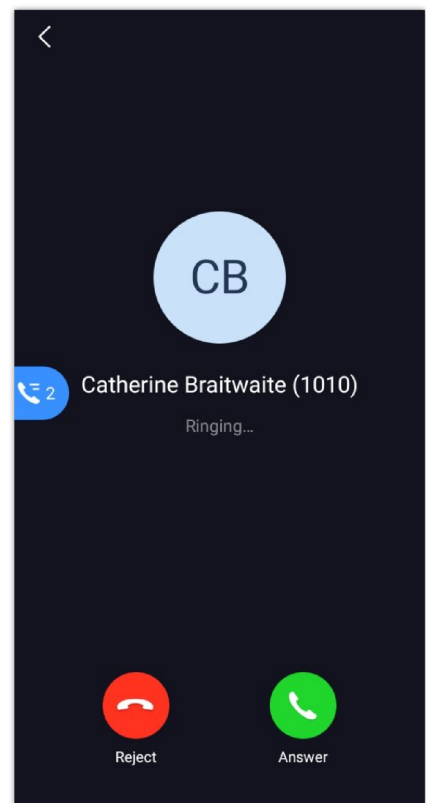
Choose Device

Call Waiting

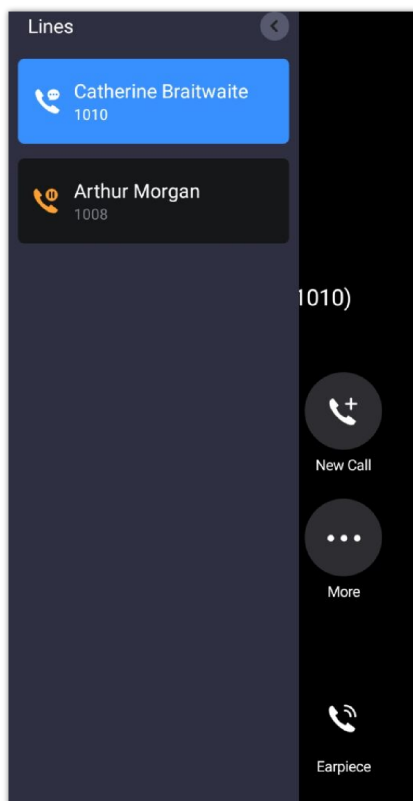
Wave application supports call waiting; users can receive multiple calls at the same time and switch between calls by following the steps below:

Step 1: During a call, the user receives a second call and answers it.

Step 2: Click on  to switch to the other call.



Audio Call Received



Call Lines

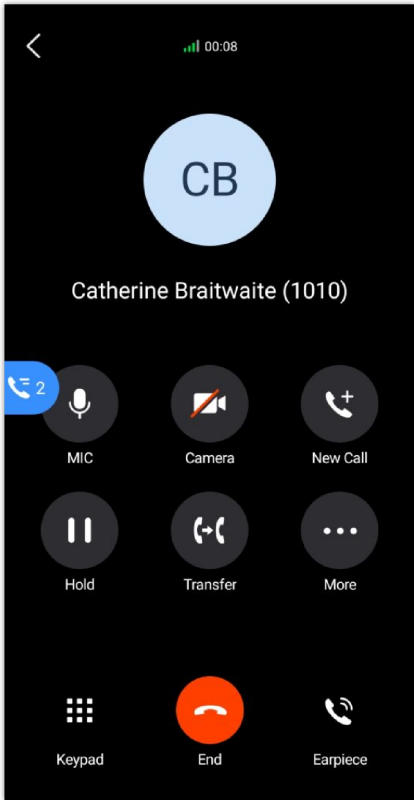
Hold/Unhold and Multiple Lines

Wave Mobile application supports up to 6 simultaneous lines. The user can hold each call or switch between them.

Step 1: During a call, tap on  to put the call on hold.

Step 2: Tap to resume the call

Step 3: The user can click the button to switch the call to the other line.



Ongoing Call

Mute

Step 1: During the call, tap on the Mute button  to mute your microphone. The remote party will no longer be able to hear you.

Step 2: Tap the unmute button  to unmute your microphone.

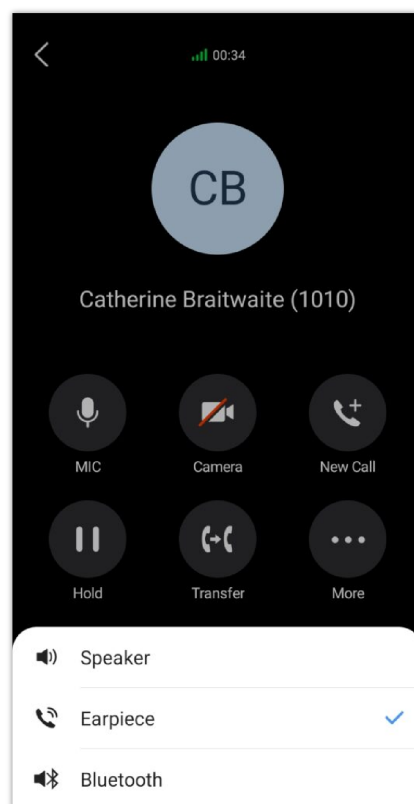


Ongoing Call

Switching Audio Channel

The Wave Mobile application supports changing the audio channel during calls. To perform this action, tap on the  icon at the top right corner of the application to bring up audio channel selections. The following options will be available:

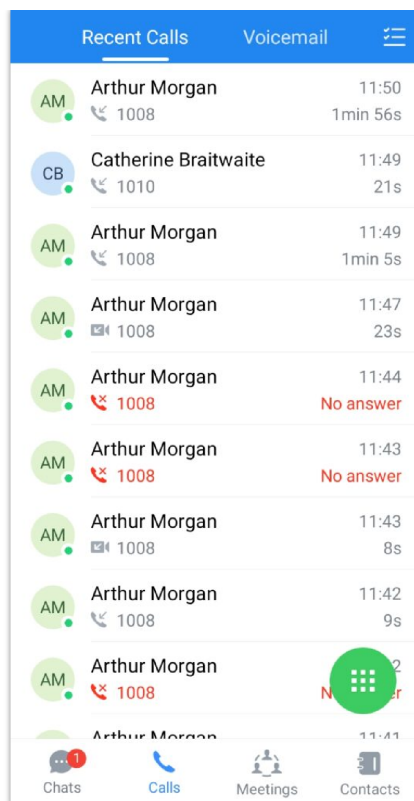
- 
Use a Bluetooth headset.
- 
Use a wired headset.
- 
Use a phone earpiece.
- 
Use the phone speaker.



Switching Audio Channel

Missed Call

Missed calls will be indicated in the call log with the extension number highlighted in red, with a missed call icon right next to it .

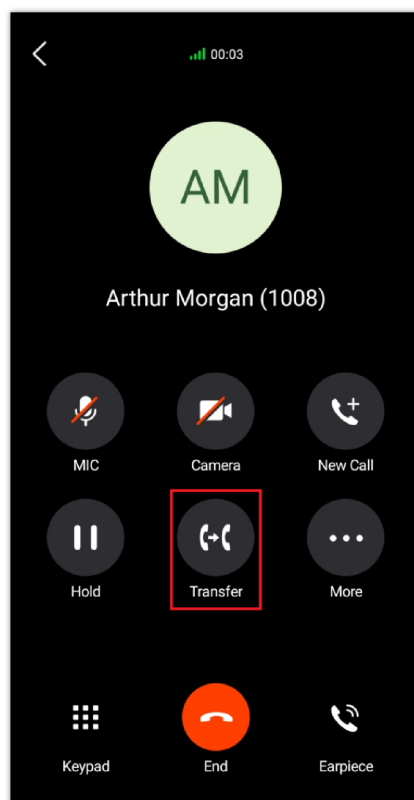


Call History

Call Transfer

The Wave app supports transferring calls from one party to another. Blind transfer and attended transfer are supported. To initiate a transfer, please refer to the screenshots below, and to understand how each type of transfer works, please refer to their respective sections below.

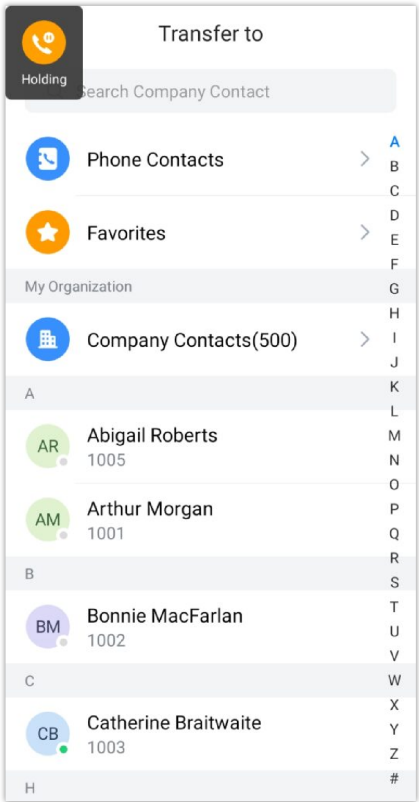
Step 1: Tap "Transfer" to initiate the transfer process



Initiate a Transfer

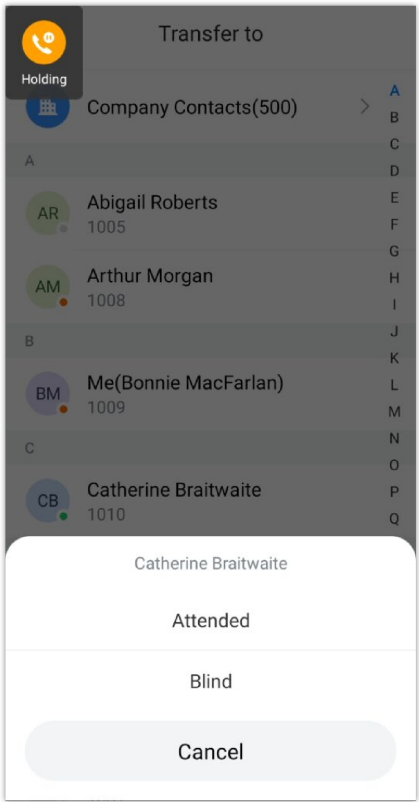
Step 2: Either enter an extension number or select a contact from the list of contacts.

If you entered an extension number, please select the type of transfer that you want to perform by clicking either Blind or Attended To start the transfer.



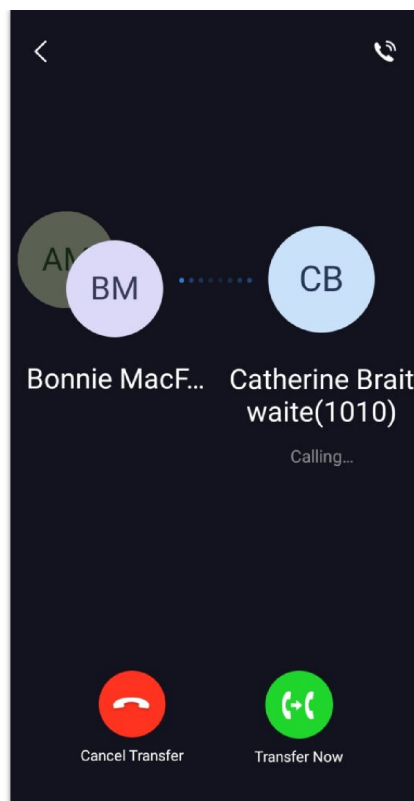
Choose a Contact

If you select a contact from the list of contacts, a menu will appear to select the type of transfer that the user desires to initiate.



Choose the Type of Transfer

Step 3: As an example, we have picked the Attended transfer. The user can either wait until the contact that the call is transferred to picks up the call, or they can tap "Transfer now" to transfer and leave the call even before the contact picks up the call.



Call Transfer Call Screen

Blind Transfer

Step 1: Establish a call between User A and User B.

Step 2: Tap the "Transfer" button.

Step 3: User A enters User C's number to transfer the call to, then presses "Attended" to transfer the call.

Step 4: User C rings. User B will be put on hold.

Step 5: If User C answers, the call between User A and User C will be established. User A can press the END call button to complete the call transfer. The call is established between User B and User C.

Step 6: If User C does not answer the call, User C will continue ringing. Now User A can press the END call button to complete the call transfer. When User C answers, the call will be established between User B and User C.

Attended Transfer

Step 1: Establish a call between User A and User B.

Step 2: Tap the "Transfer" button.

Step 3: User A enters User C's number to transfer the call to, then presses "Attended" to transfer the call.

Step 4: User C rings. User B will be put on hold.

Step 5: If User C answers, the call between User A and User C will be established. User A can press the END call button to complete the call transfer. The call is established between User B and User C.

Step 6: If User C does not answer the call, User C will continue ringing. Now User A can press the END call button to complete the call transfer. When User C answers, the call will be established between User B and User C.

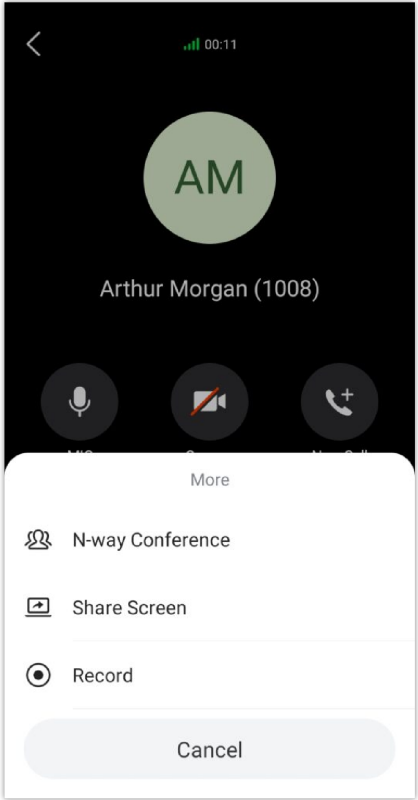
N-Way Conference

N-Way Conference allows users to add multiple parties to a conference call. No access codes are required. Below are the steps to follow:

Step 1: Dial or receive a call from the first party and accept the call.

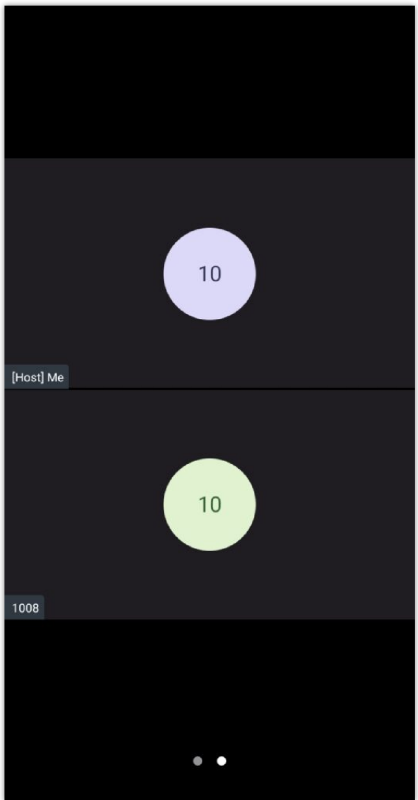
Step 2: Tap the “More” button.

Step 3: Select the option “N-way conference”.

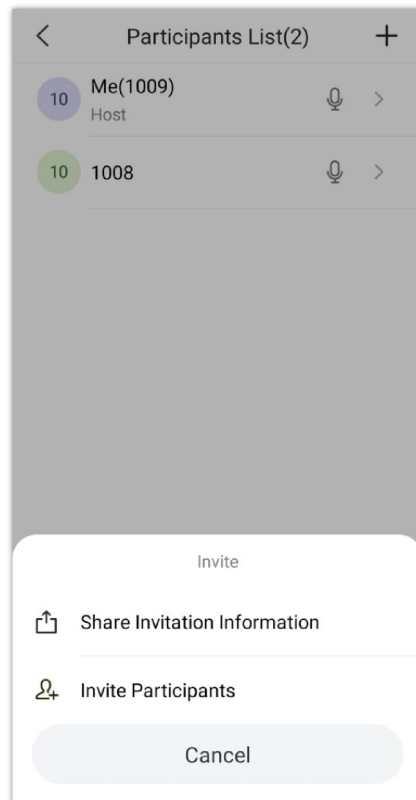


Start N way Conference

Step 4: The user will be redirected to the conference page, where they can add more participants.



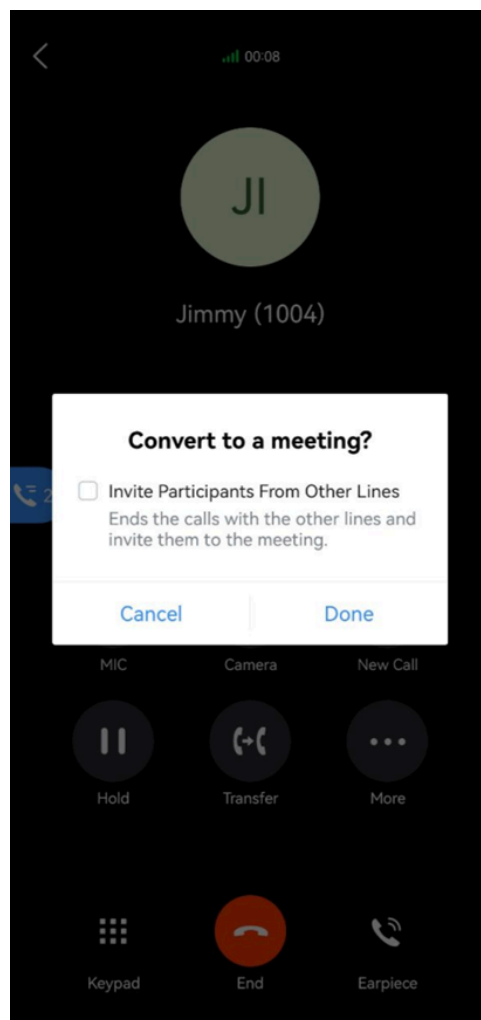
Step 5: To add more participants, click on  then on  to bring more people to the call.



Invite Participants

Step 6: Then select "Invite Participants".

If there are calls already established on multiple lines, the user can quickly merge all the calls into one meeting by clicking on the "N-way Conference" button. Once clicked, it will prompt whether to invite all the other members from other lines. Select that option, then click "**Done**".



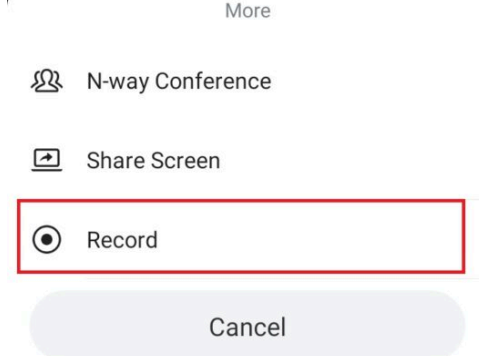
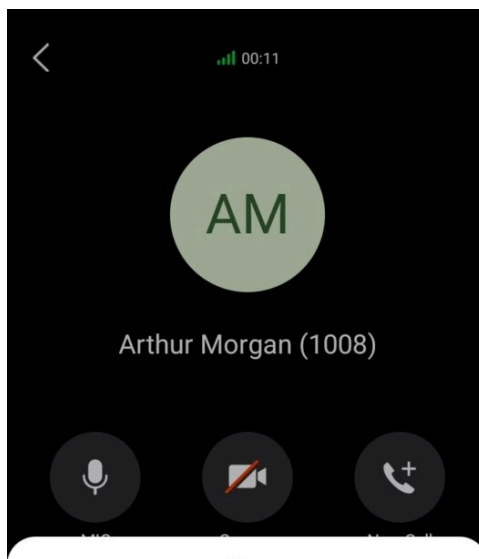
Convert to a meeting

Call Flip Function

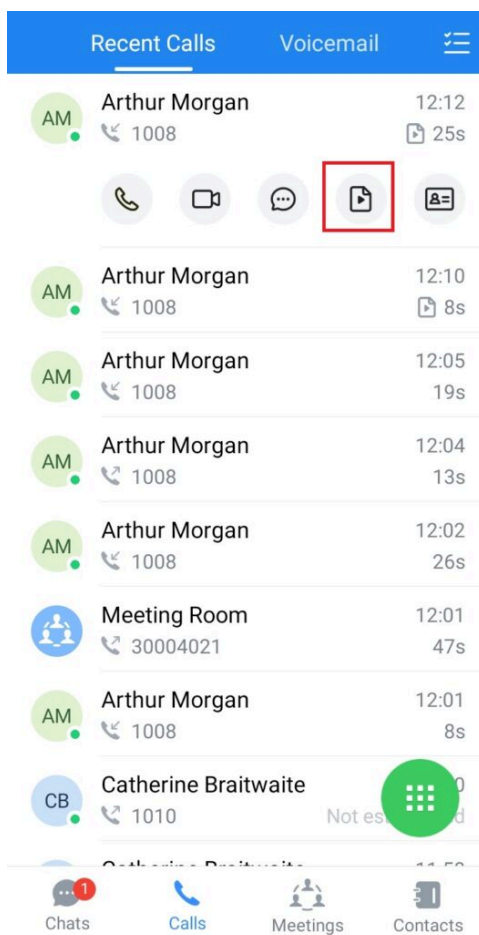
Wave Desktop/Mobile/Web client and other desk phones can switch the ongoing calls between clients. For example, the Wave mobile app and Wave Desktop client both have account 1003 logged in, and if the Wave mobile app user establishes a call between 1003 and 1004, the user can also transfer the active call to the Wave Desktop client, and the account 1004 owner will not notice that. If the user is using the desk phone, the user can dial *46 to implement the call flip function.

Record an Ongoing Call

The user can record a call even if the call has already started. To do that, swipe up from the bottom of the screen to bring up the options menu, then tap the recording button  during the call to start recording the call. Once the call is ended, the user can click the  button to view the recording files on the call history interface. Please see the screenshots below:



Start a Call Recording



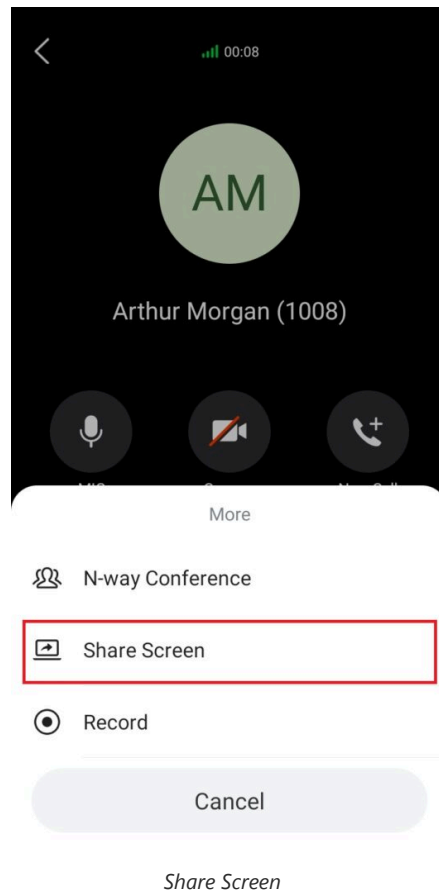
Listen to the Call Recording

Note

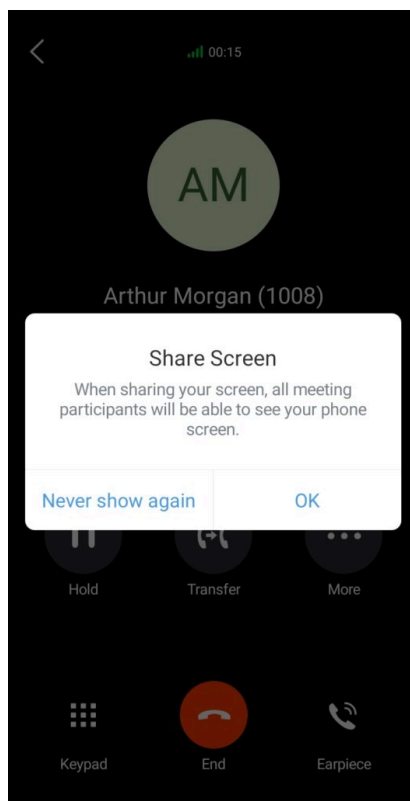
In the UCM settings (Maintenance → User Management → Edit User → Portal Wave Privileges), you can disable the recording status. When this option is turned off, calls may still be recorded, but the recording icon will no longer be displayed to the user.

Screen Sharing

Using Wave mobile, the user can share the screen of his/her mobile phone for other users in a one-to-one call or a meeting. To do that, the user should swipe the contextual menu to reveal more options and select “Share Screen” as shown in the screenshot below:



A prompt will appear telling the user that everyone in the meeting/call will be able to see the user's screen. Click "OK" to confirm that you want to share the screen with the other users.

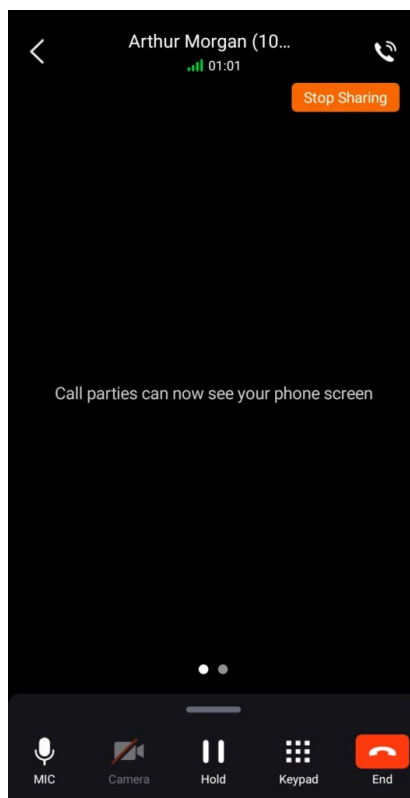


Share Screen

Then the screen-sharing will immediately start

Note:

If the [Screen Capture and Recording restriction](#) is enabled, participants will see a black screen while the Wave app is open. The shared content becomes visible again once the user exits the Wave app.



Stop Sharing

To end the screen-sharing, please click on .

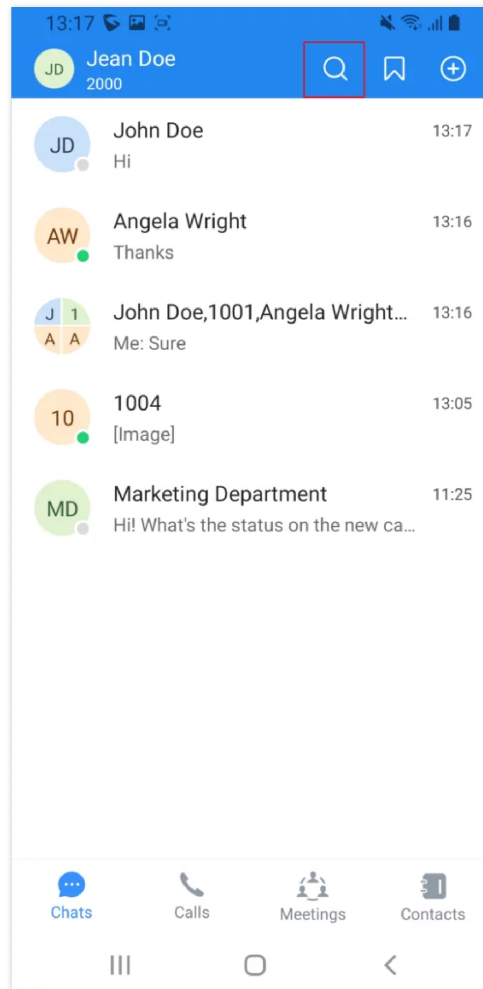
General Search

Wave provides a global search function to quickly locate information across the app. Users can search for:

- Messages containing specific keywords
- Contacts and group members
- Files shared in any conversation

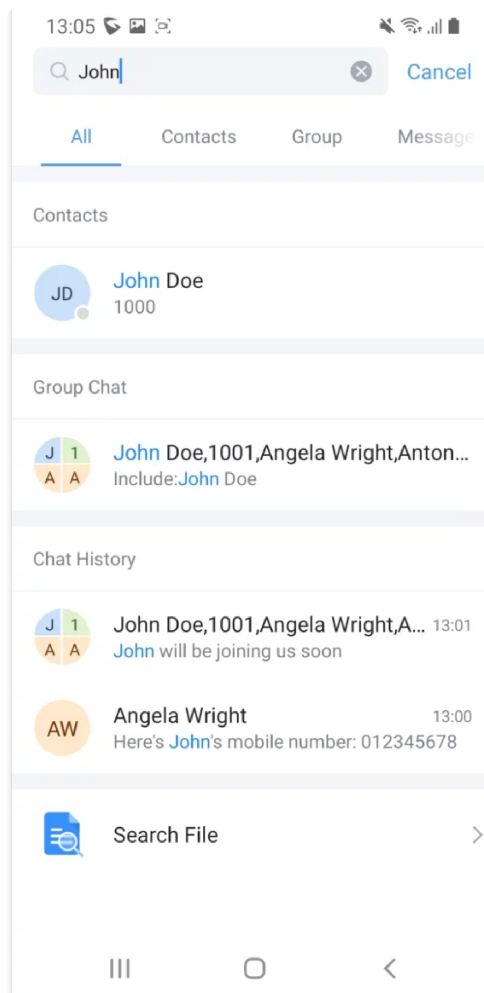
Search results are grouped by type. Users can access each tab to filter matches to a specific type only. To use this feature:

1. Open the Search function from the main chats menu.



Global Search Icon

2. Enter keywords in the search box.
3. Review results grouped by type (messages, files, contacts, etc).



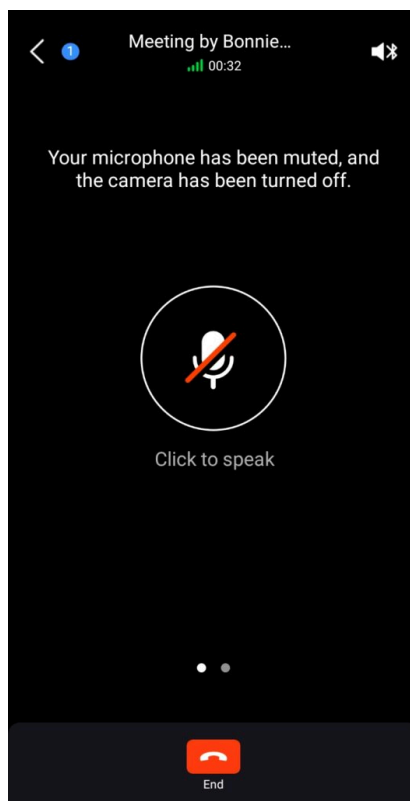
Search Results

4. Tap a result to navigate directly to the corresponding group, message, file, or contact.

Safe Driving Mode

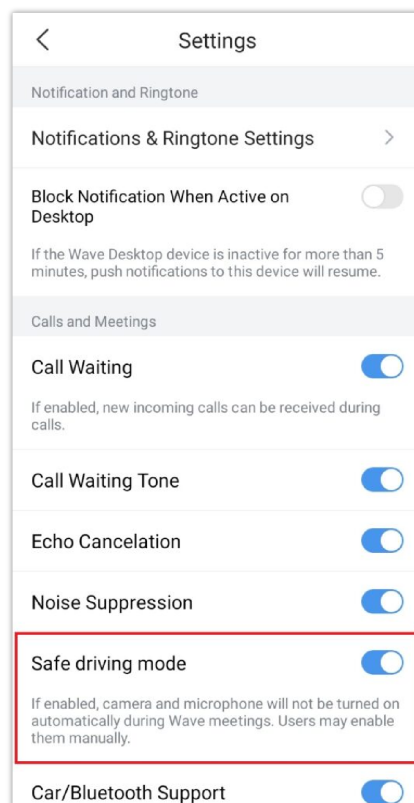
Wave has a safe driving mode, which enables a reduced user interface to make it easier to access the main controls of Wave call/meeting. This feature has been introduced to remove any kind of distractions from the Wave user interface. The camera will be turned off by default while this mode is enabled, and the user can use the button shown in the screenshot below to unmute and mute themselves.

In the Wave meeting, the user can slide the meeting UI to the left side to access the safe driving mode. Please see the screenshot below:



Safe Driving Mode

Please make sure that safe driving mode has been enabled first by going to Wave settings, as the screen below shows:



Settings Safe Driving Mode

Screen Capture and Recording Restriction

The Wave app may restrict screenshot and screen recording actions depending on the permissions configured.

When the Screen Capture and Recording restriction is enabled, users will not be able to take screenshots or record the screen while using the Wave app.

Notes:

- This restriction is controlled by the UCM administrator. Please refer to [the following section](#) of the Wave Admin Guide for more information.
- When enabled, this restriction applies to all pages and windows in the Wave app.
- A notification message is displayed whenever a screenshot or screen recording attempt is detected.

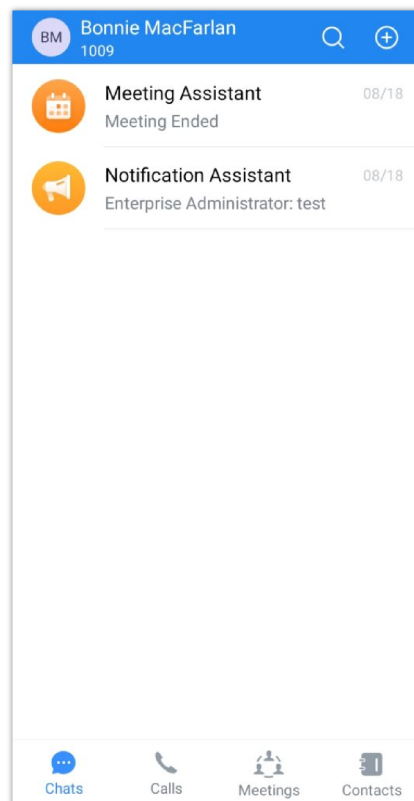
CHAT

Wave application supports single chat, group chat, and meeting chat.

Single chat

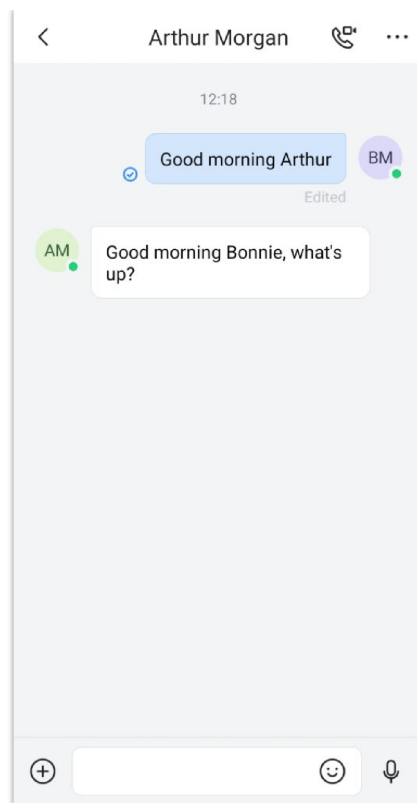
To start a single chat with a user, please follow the steps below:

Step 1: Go to the **Chats** page and click on 



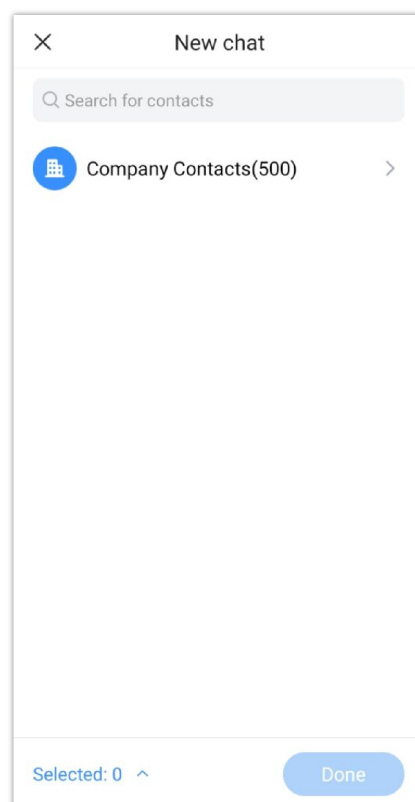
Start a One to One Chat

Step 4: Start chatting.



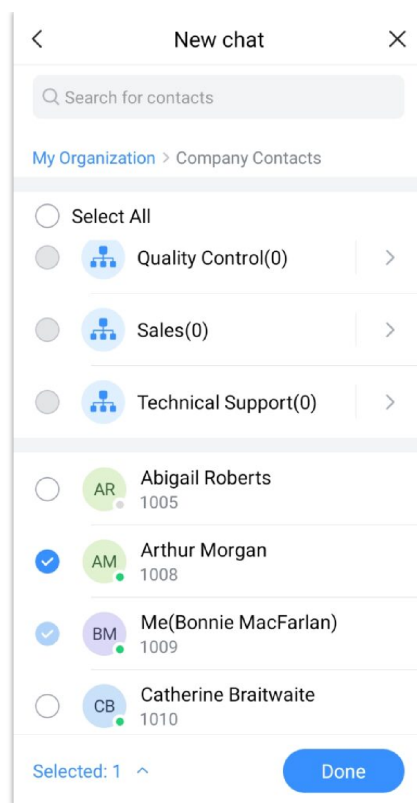
Chat Window

Step 2: Select the type of contacts repertoire.



Contact Category

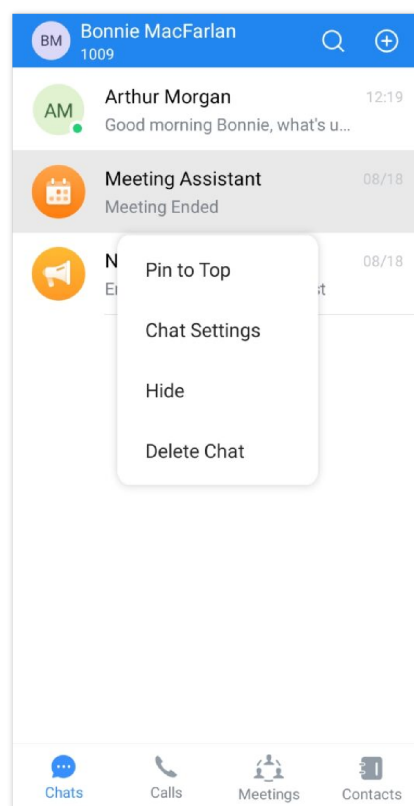
Step 3: Select a contact to send a message to, then click "OK".



Contact List

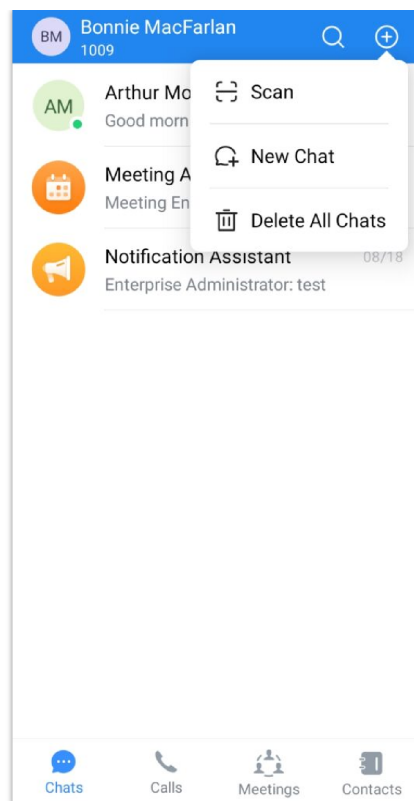
When a message is delivered, a small icon will appear next to the message . When the user reads the message, Wave will indicate that by showing a small icon .

To delete a single chat, please tap and hold the chat you wish to delete, then tap Delete Chat.



Delete a Specific Chat

To delete all the chats at once, please tap on the plus icon in the top right corner of the screen. Then select Delete All Chats.



Delete All Chats

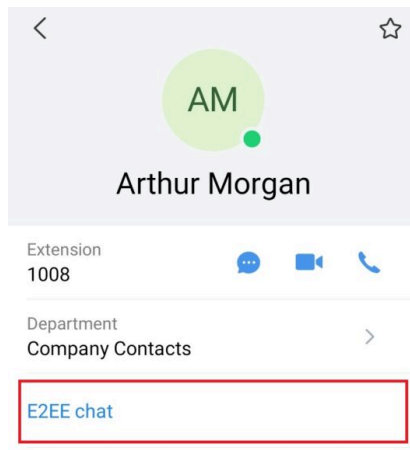
End-to-End Encryption Chat

Wave supports end-to-end encryption, which encrypts the messages from the terminal sending the messages and decrypts the message once it reaches the recipient's terminal. This protects the confidentiality of the messages exchanged; this includes all types of messages exchanged, text messages, images, documents, files, voice recordings, etc. Wave uses advanced asymmetric encryption technology to ensure that nobody, other than the two involved parties, can read the messages.

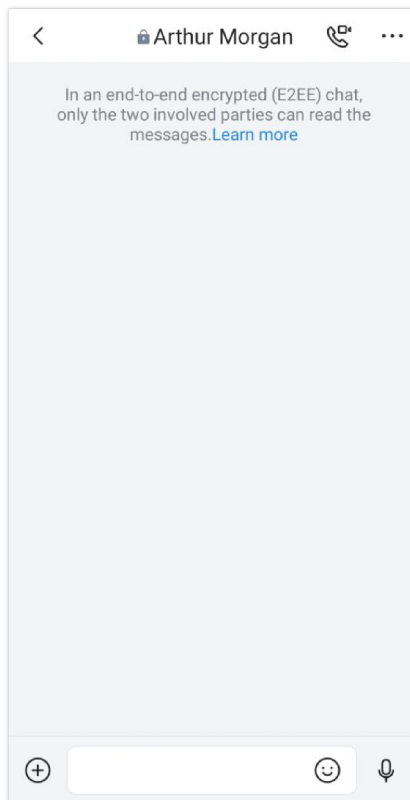
Important Note

Please note that end-to-end encryption is not supported on group chat and on audio/video calls.

To start a single end-to-end encrypted chat, please go to **Contacts**, then select the contact you wish to message. Then click on  and select E2EE chat as shown below in the screenshot.



Start an End to End Encrypted Chat

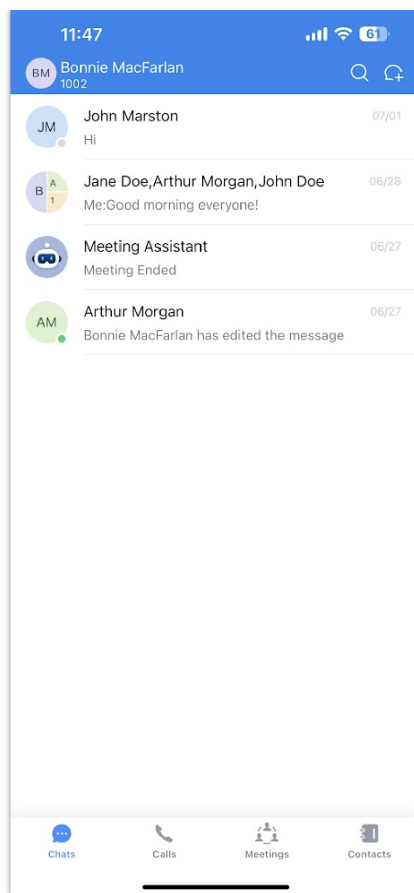


E2EE Chat

Group Chat

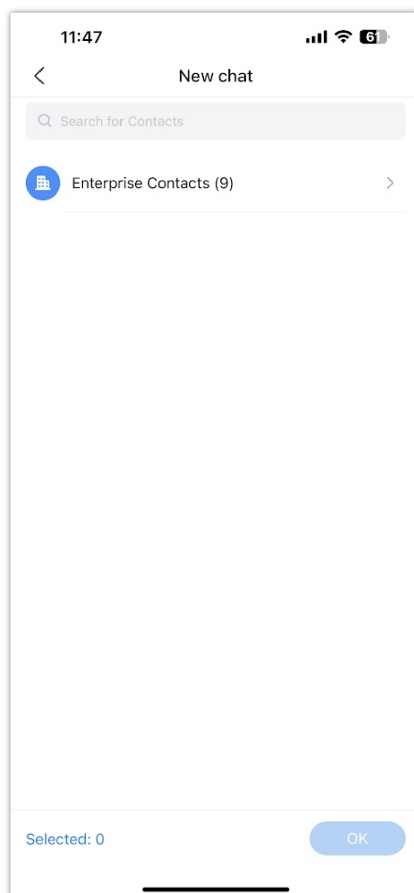
To chat with multiple contacts at the same time, please follow the steps below:

Step 1: Go to the **Chats** page and click on 



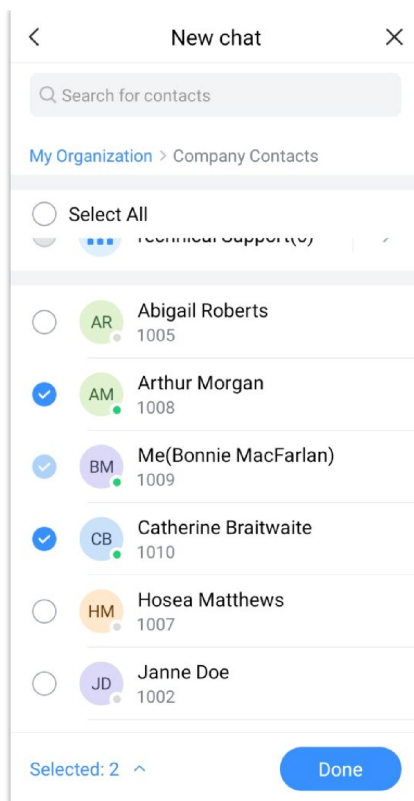
Start a New Group Chat

Step 2: Select the contact repertoire.



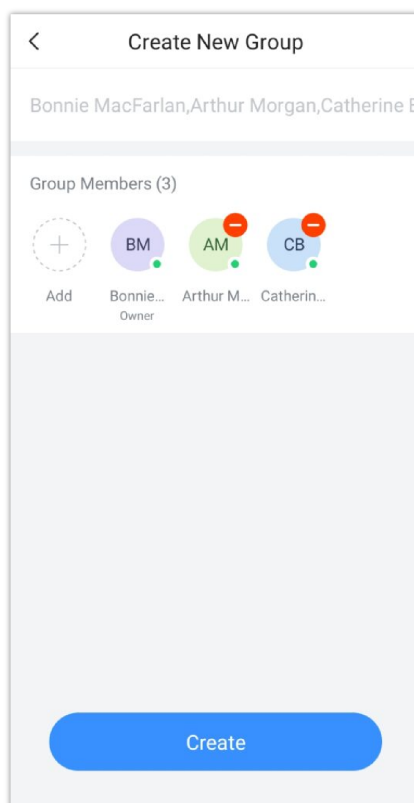
Choose Contact Category

Step 3: Select the departments or the contacts that you wish to message in a group chat.



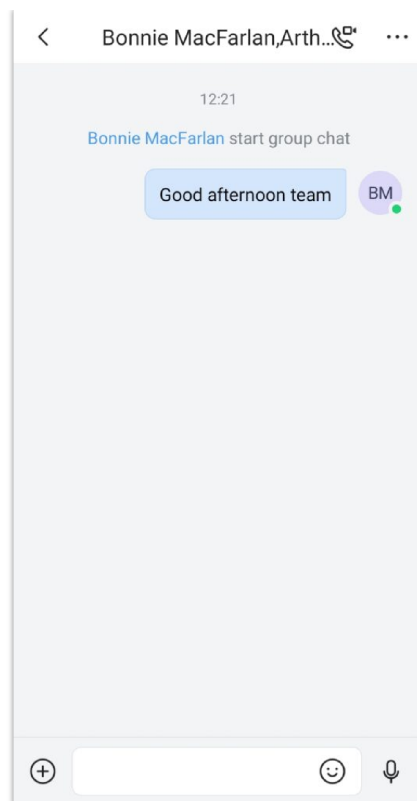
Choose a Department or a Direct Contact

Step 4: Set a name for the group. Then click **Create**.



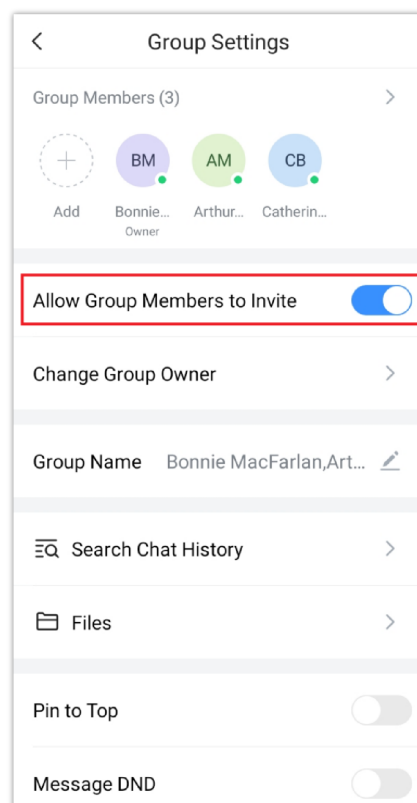
Create New Group

Step 5: Start chatting.



Group Chat

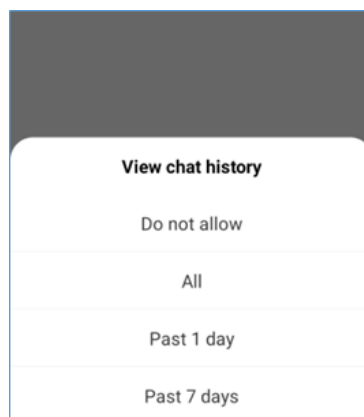
The chat group creator can access the group's settings to allow or prohibit other users from inviting other members, as the screenshot below shows.



Allow Group Members to Invite

Note

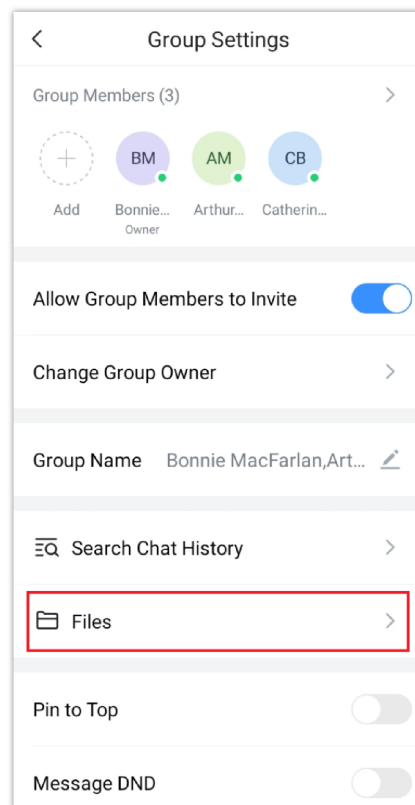
The newly joined members in the group chat cannot view the group chat history by default (Only the group owner can set the chat history that the group members can view: No, All, 1 Day, 7 Days).



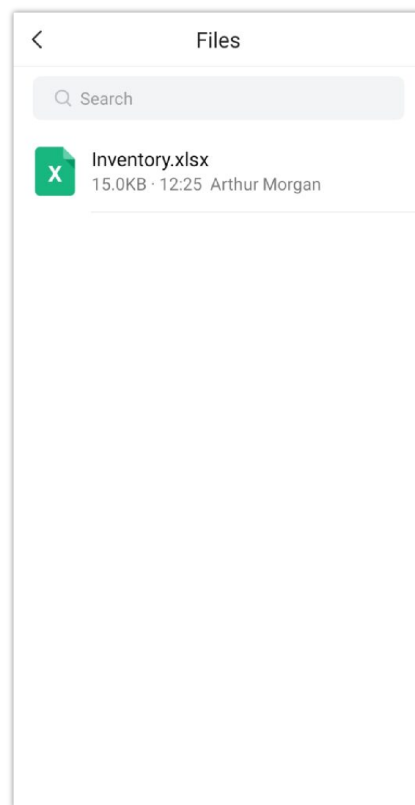
Allow Viewing Chat History

In the point-to-point chat and group chat, users can view the file list.

Click the button  at the top right upper corner of the interface to access the group settings interface.



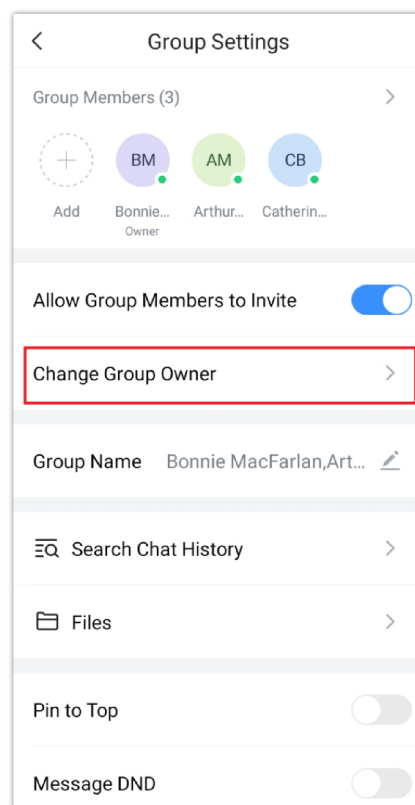
Files List



Files Exchanged in the Chat

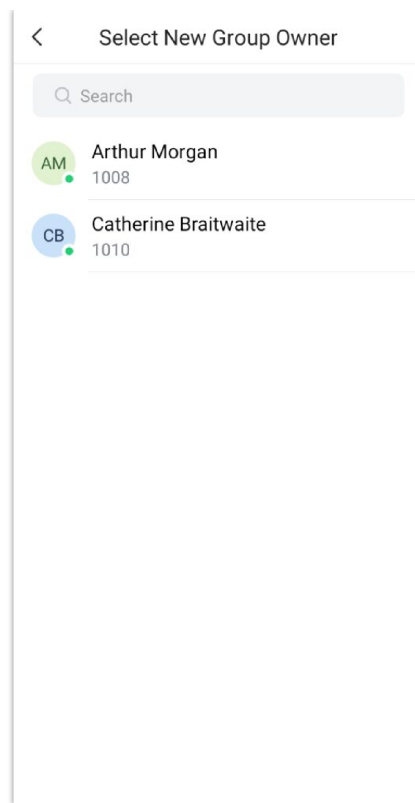
At any point, the group owner can relegate his/her role to another member of the group. To do that, please refer to the steps below:

Step 1: Click on the three dots at the top right corner of the application, then select "Change Group Owner".



Change Group Owner

Step 2: Select the member to whom you want to relegate the group chat host.

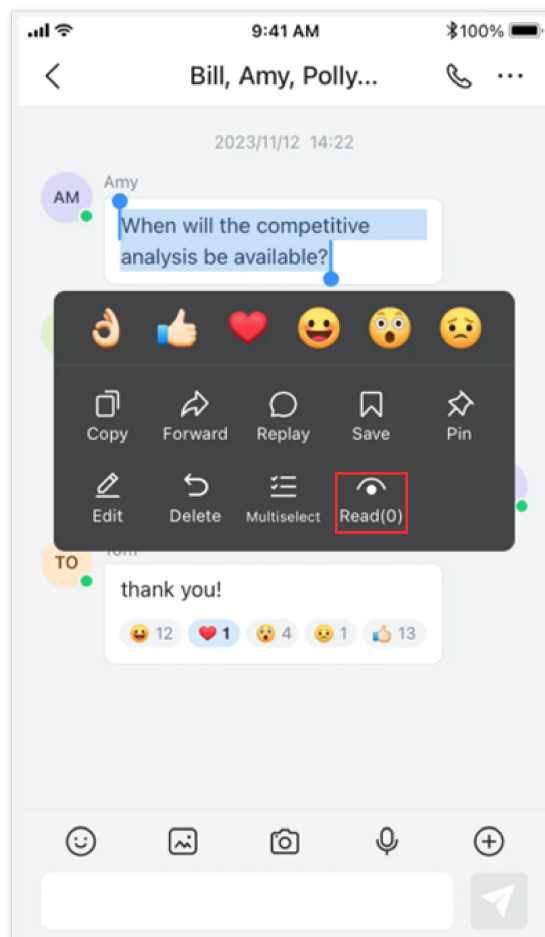


Select The New Group Owner

Important Note

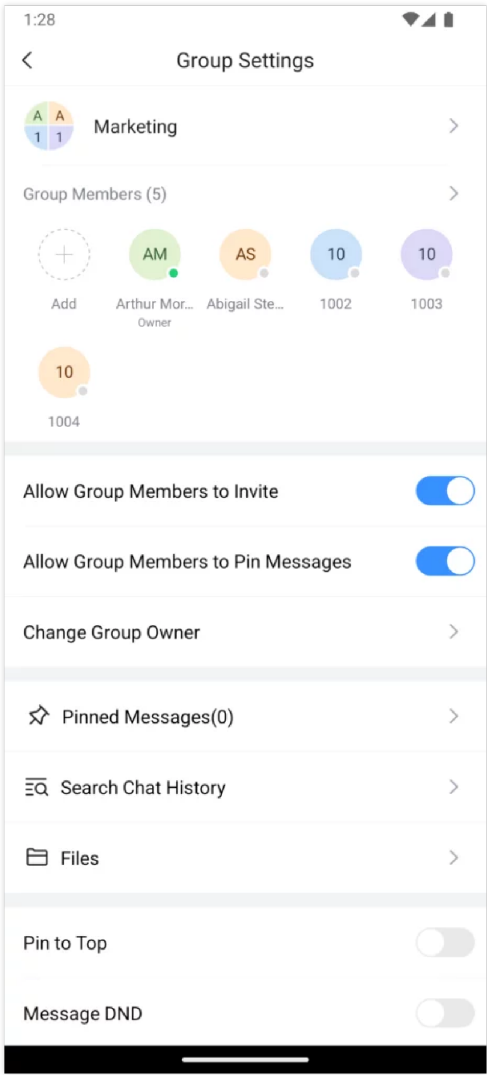
Please note that group chat is not supported by end-to-end encryption.

The message sender can view who has seen his/her message by tapping on the message, then tapping on the "Read" option to display the names of the users who have seen the message.



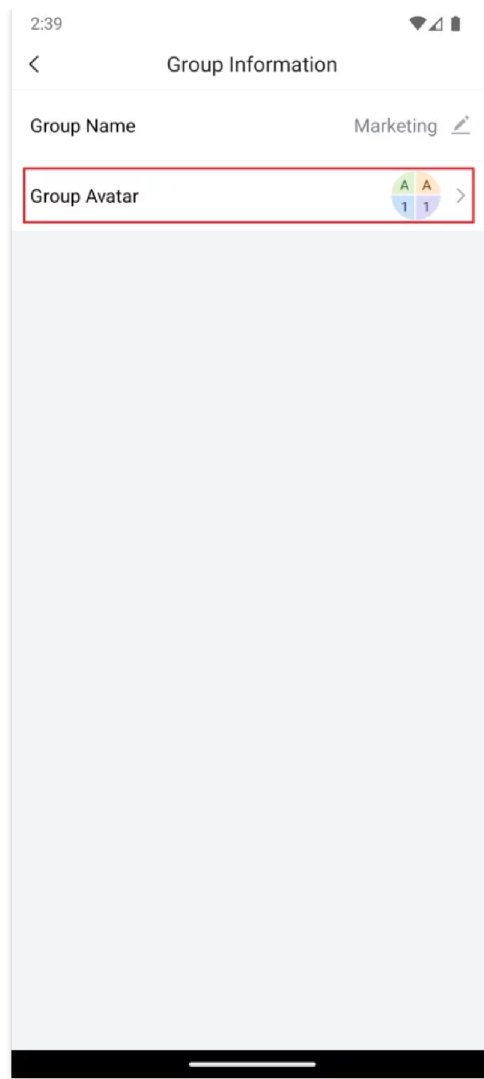
Read Message

The user can set an avatar for the group of contacts. To do that, please tap on the name of the group to open the group settings.



Group Settings

Tap on "Group Avatar", then a menu will appear to either choose a photo from preexisting photos in the device, or to take a picture which will be directly used as a group avatar.



Group Information

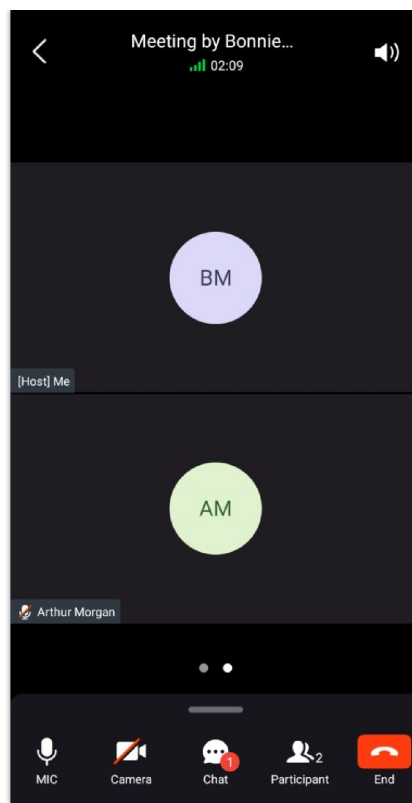
Meeting Chat

Participants can chat during an audio/video meeting by following the steps below:

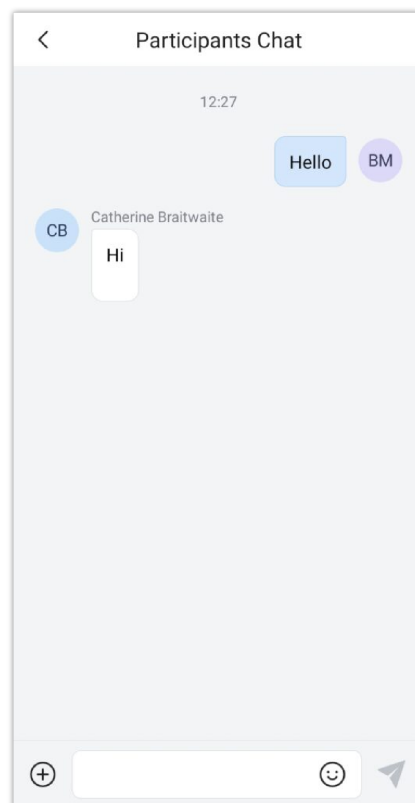
Step 1: Start an audio/video meeting.

Step 2: Click on  to initiate chatting with participants.

Step 3: Start chatting.



Meeting Call



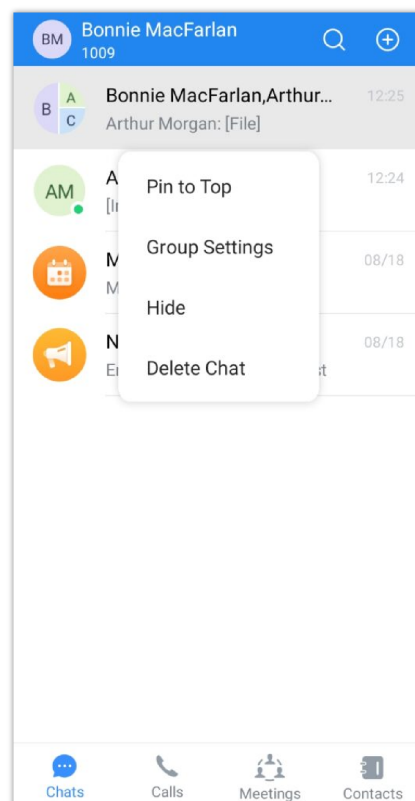
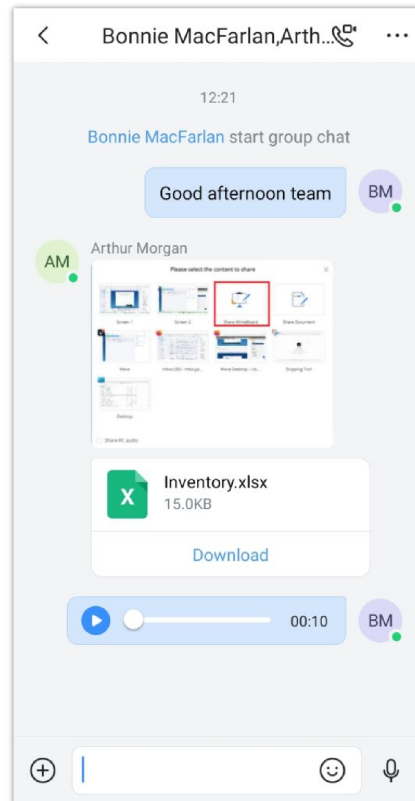
Meeting Chat

Instant Messaging

In the chat interface, the application allows the user to send text, emoji, documents, voice messages, and pictures.

- For the message contents in the chat interface, if the user long-presses the contents, the user can copy/forward/reply/recall the contents/reply with emojis.
- The original message of a quoted reply can be clicked to jump to the position of the original message, making it easy to follow conversations.

- Users can send quick replies with emojis. For example, if the user enters “[Smile]” in the chat window, the emoji 😊 will be shown directly. Emoji replies display the name of the responder alongside the emoji reaction.
- Users can record a short video for up to 15 seconds and send it to the current chat.
- Drag the chat window to the left, and the user can pin/unpin/hide/set the group settings for the chatbox. If the user clicks the “Group Settings” button, the user can access the group settings interface to pin/unpin the chatbox and enable/disable DND for the new message notification.
- If the user has set the DND for the new message notification for the group chat, the new messages from the group will no longer be notified or reminded



The upper limit of the input content is up to 5000 characters. If it exceeds 5000 characters, the content in the input box will be converted to a document. The uploaded file/image size limit is 50 MB.

Info

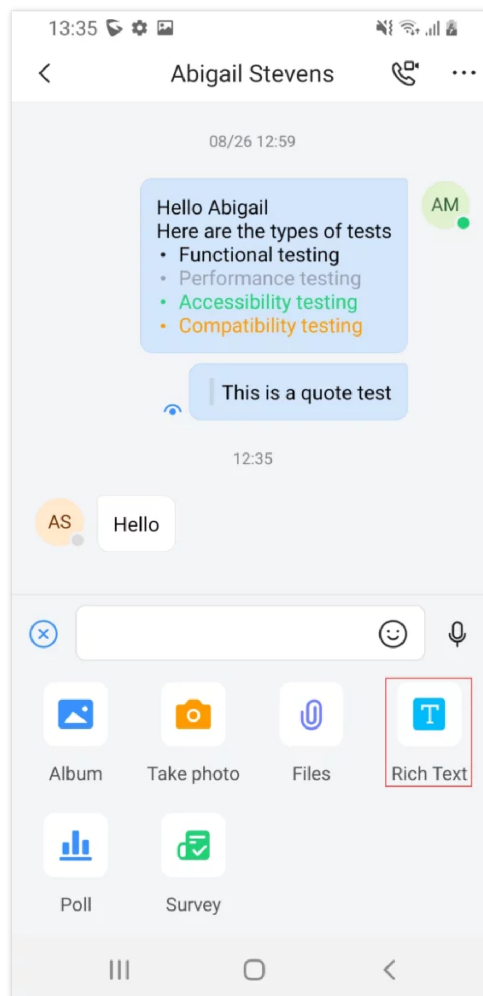
It's possible to slide left and write when a user opens an image in a conversation to view all the images that have been sent before.

Rich Text Formatting

Rich text formatting features allow the user to format the text in instant messaging. The formatting includes making the text bold, italic, underlining the text, strikethrough, changing the color of the text, bullet list, enumerated list, and quoting.

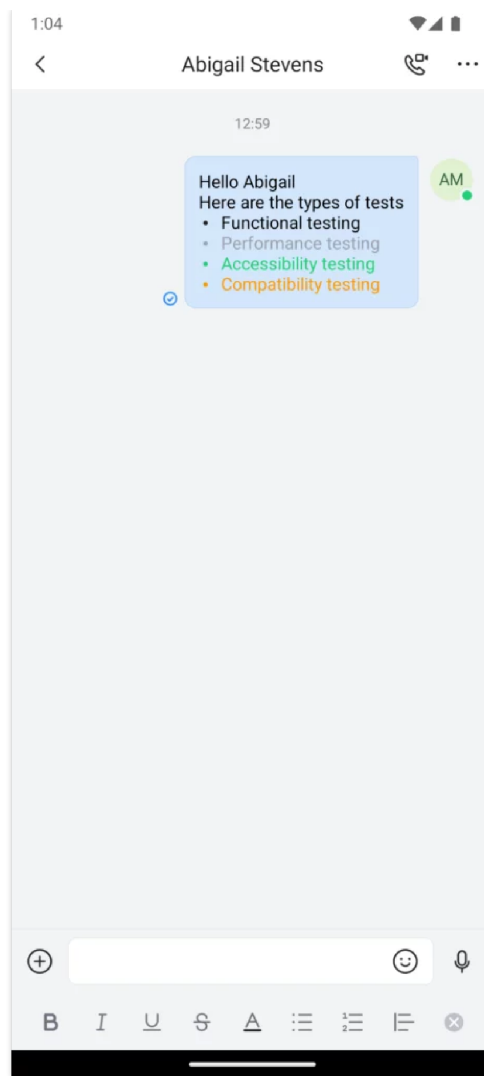
To access rich text options, please tap the button  on the left side of the chat box.

Then choose "Rich Text"



Rich Text

The example below illustrates how formatted text looks in the chat window.

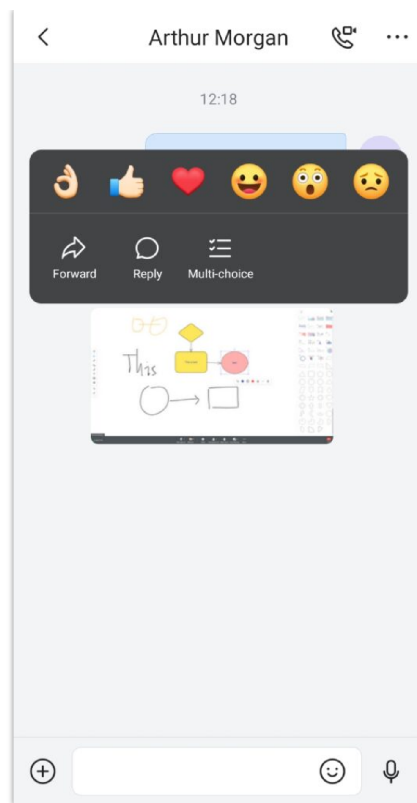


Wave Chat

Message Forwarding

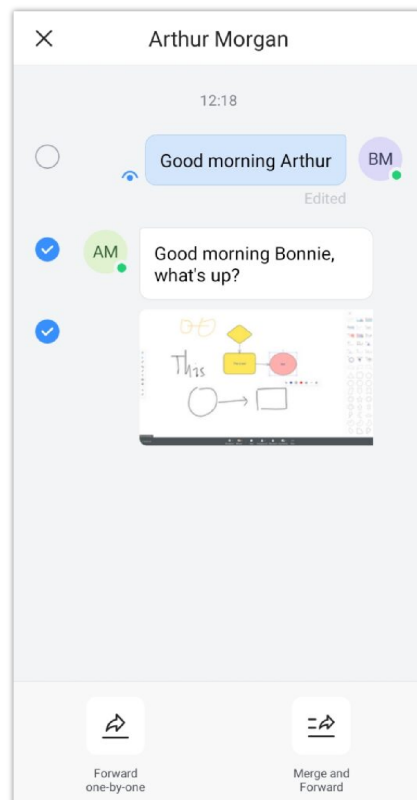
Wave allows forwarding one or multiple messages to one recipient or multiple recipients. Please follow the steps below.

Step 1: Long-press the message that you want to send, then select **Forward** to forward one message. Or select **Multi-choice** to forward multiple messages.



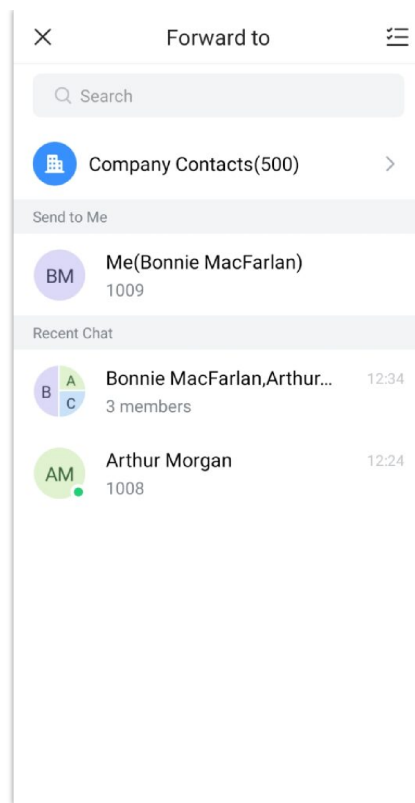
Forward a Message

Step 2: Select the messages you want to forward. You can also choose the option **“Select all following messages”** to include all subsequent messages in the selection. Then, tap **Forward one-by-one** or **Merge and Forward**.



Forward One or Multiple Messages

Step 3: Select one or multiple recipients of the forwarded messages.

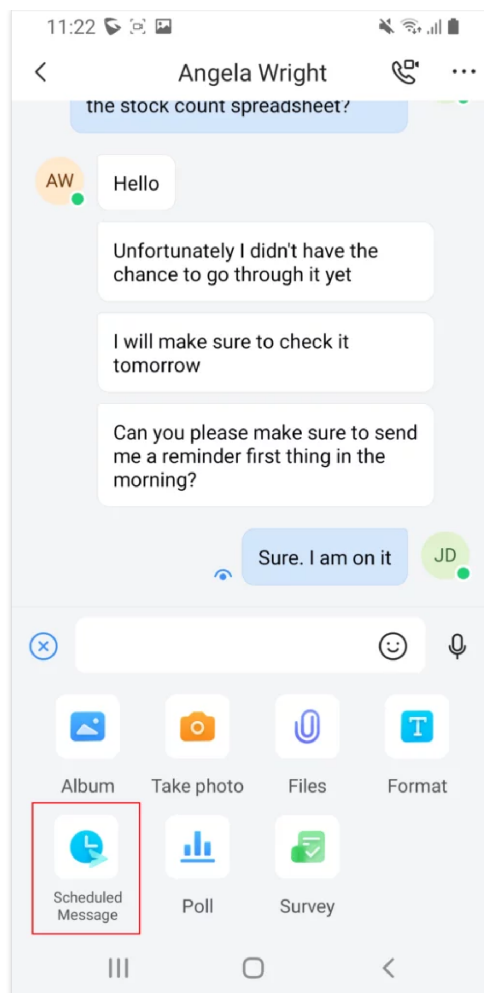


Select the Recipient of The Message

Scheduled Message

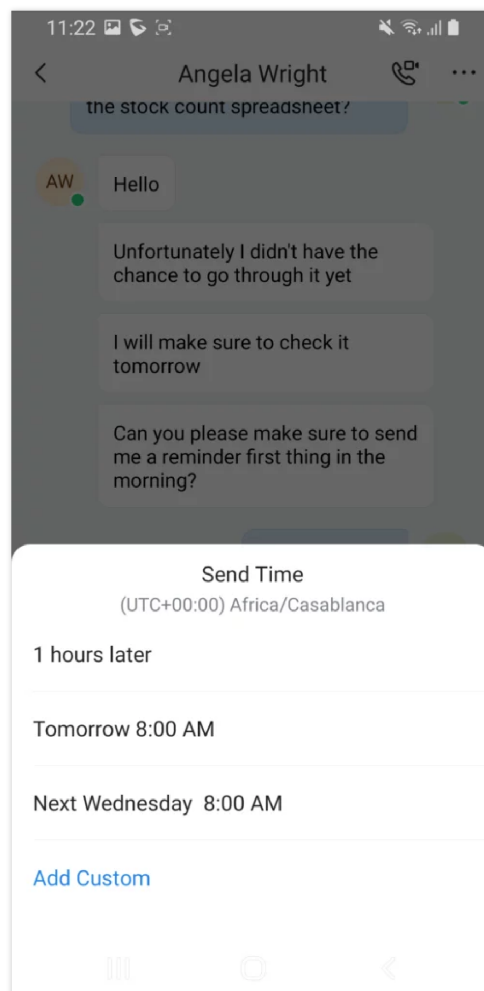
The Scheduled Message feature allows users to compose a message and schedule it to be sent automatically at a specific date and time. Messages can be created directly from the chat interface using the following steps:

1. In the Chat tab, tap the plus (+) icon.
2. Select "Scheduled Message" from the available options.



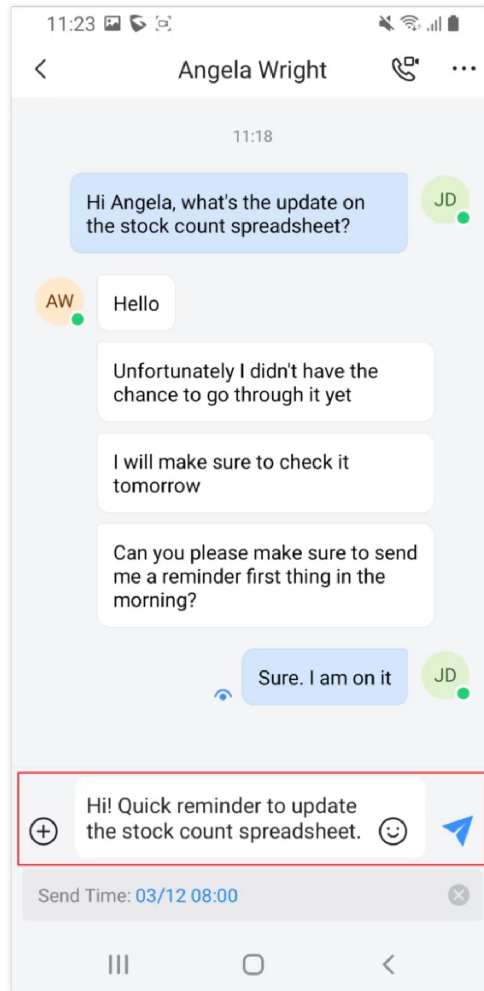
Select Scheduled Message

3. Choose the delivery time for the message. Users can select from predefined options or set a custom date and time.



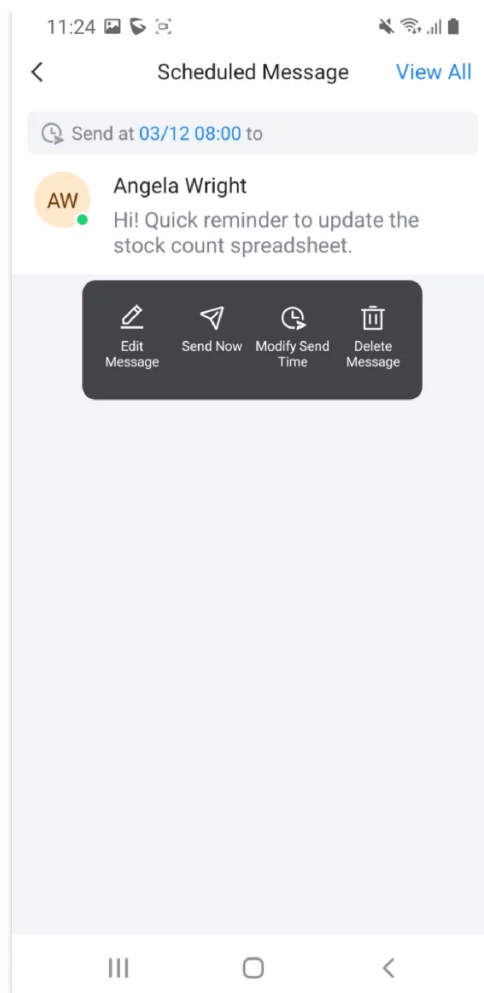
Set Date and Time for Scheduled Message

4. Enter the message content and tap the Send icon. The message will be queued and delivered automatically at the scheduled time.



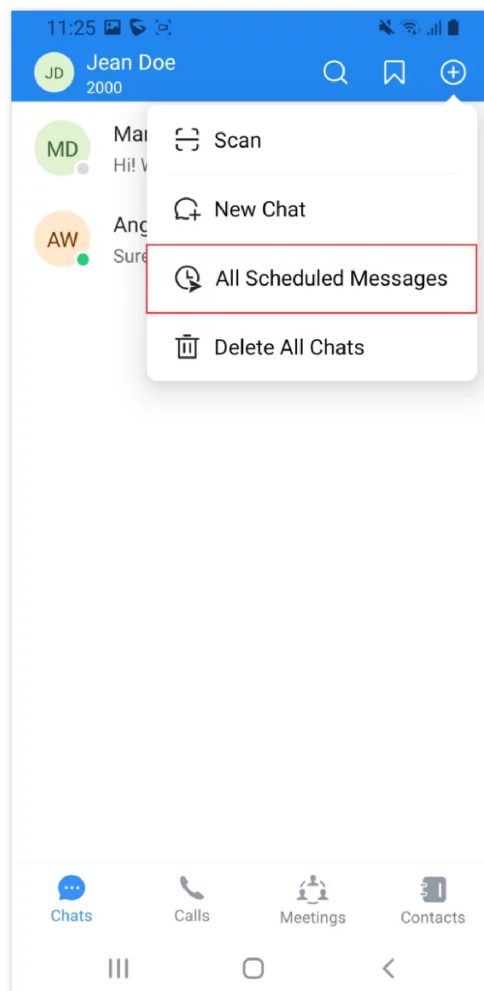
Compose Scheduled Message

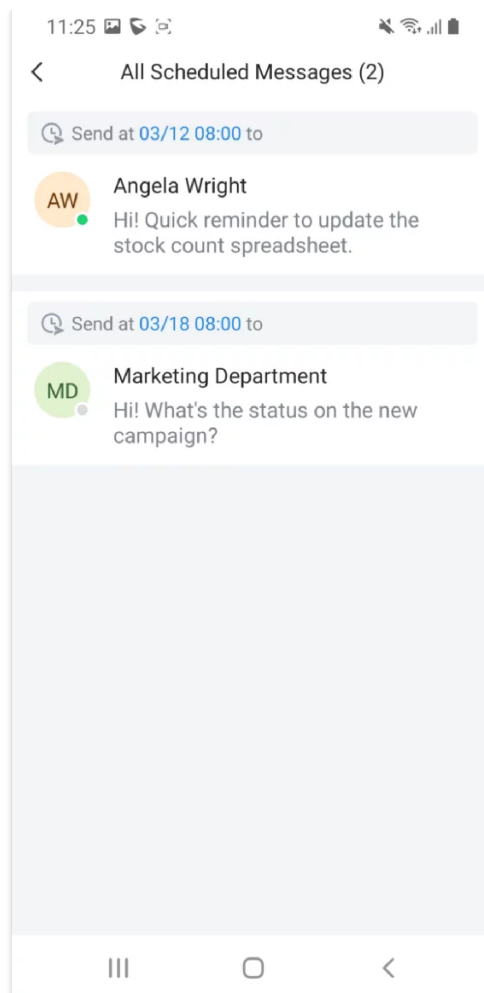
5. To manage a scheduled message within the chat, click View next to the message to open the detailed window. From here, users can:
 - Edit the message content
 - Send the message immediately
 - Modify the scheduled time
 - Delete the message entirely



View/Edit Scheduled Message

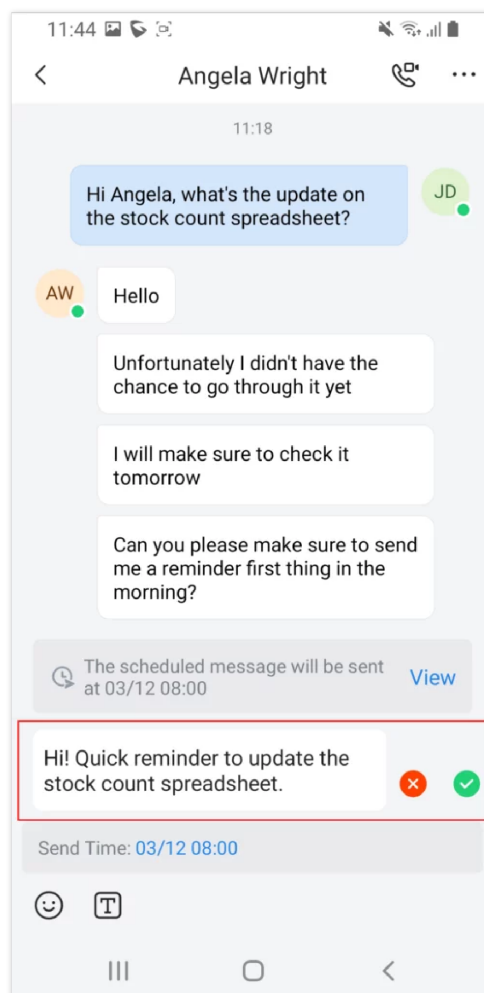
6. The general messages tab provides a *Scheduled Messages* list where all pending messages can be reviewed.





Scheduled Messages List

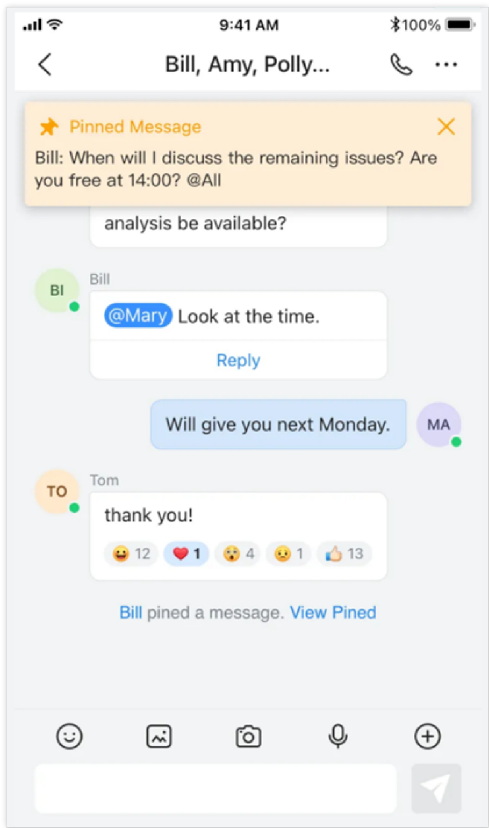
7. Clicking on a message in this list redirects the user to the corresponding chat for detailed editing.



Pin Message

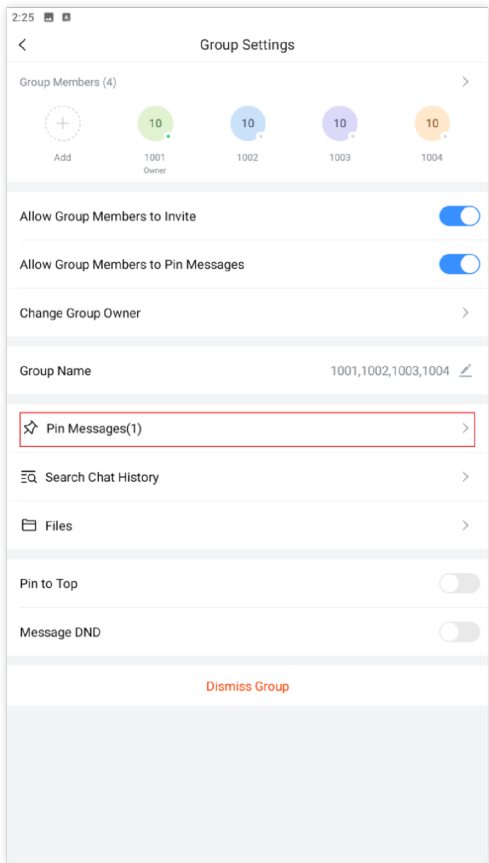
The pin message feature allows the user to pin a message in a group for all the members of the group. To pin a message in a group chat, press and hold the message, then a menu will appear, and press the "Pin" button .

Once the message has been pinned, it will be displayed at the top of the group chat as shown in the figure below.



Wave Group Chat

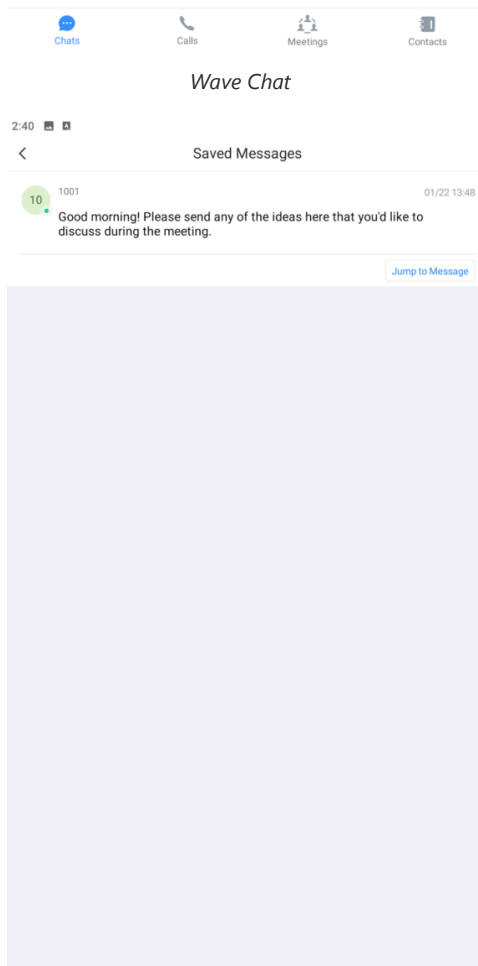
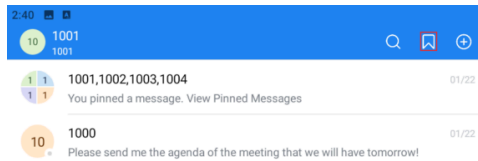
The user can view all the pinned messages in a chat group, access the group settings using the three dots button on the top right corner of the conversation, and then select "**Pinned Messages**".



Save Message

To save a message from a specific discussion, you should press and hold the message you'd like to save. Once the menu appears, tap on the save button .

To view all the saved messages, please click on the bookmark icon on top of the chat window, as shown below.



Saved Messages

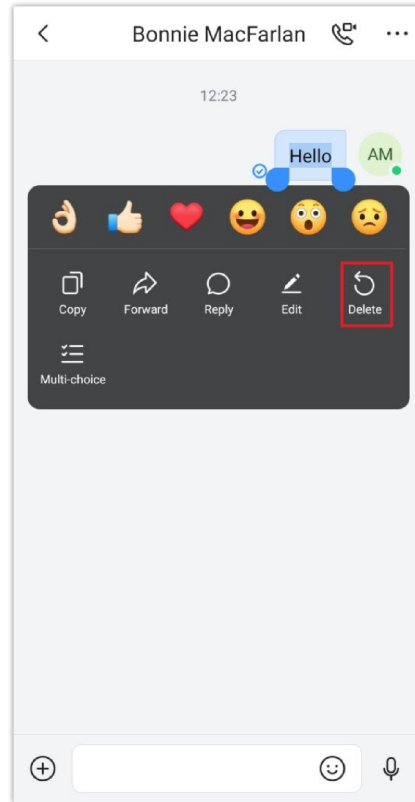
Delete Message

Step 1: In the chat interface, the user can select a message and long-press on it, then click the “Delete” button to delete the message.

Step 2: After deleting the message, the remote party will delete the message synchronously.

Step 3: The deleted text can be re-edited by the user.

Note: After deleting the message, it will be deleted permanently, and the message cannot be recovered.



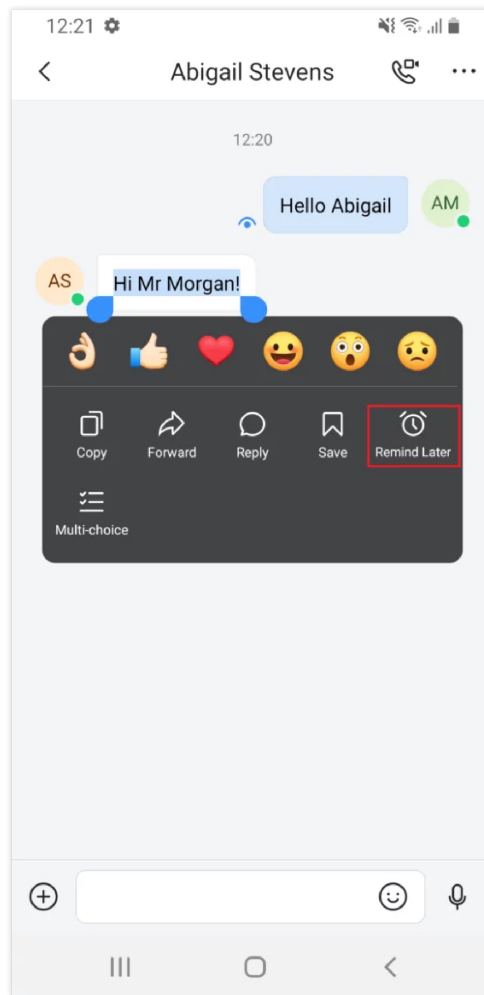
Delete Message

Note:

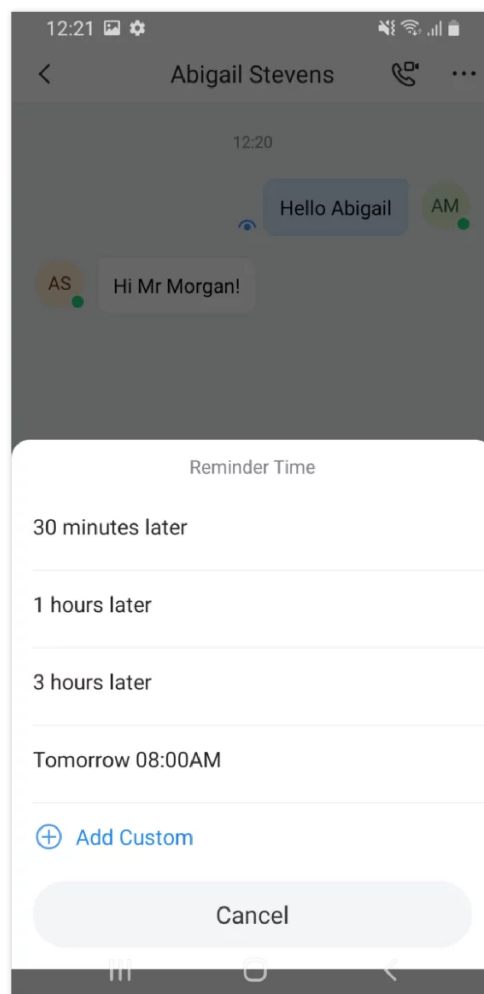
To delete a message, the user must have the “Delete Chat” permission. Please refer to the UCM63xx User Manual for more details.

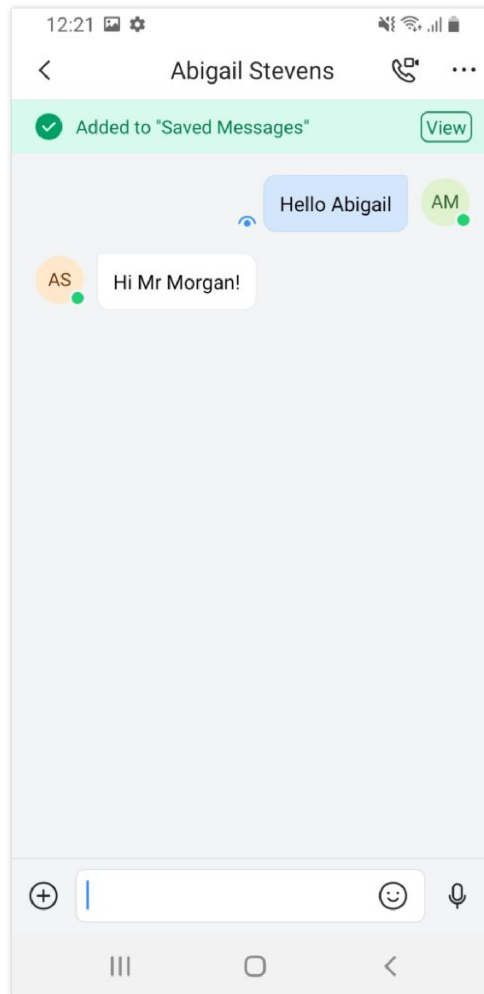
Set a Reminder for a Message

The user can set a reminder for a specific message that has been received on the Wave application.



Set a Message Reminder



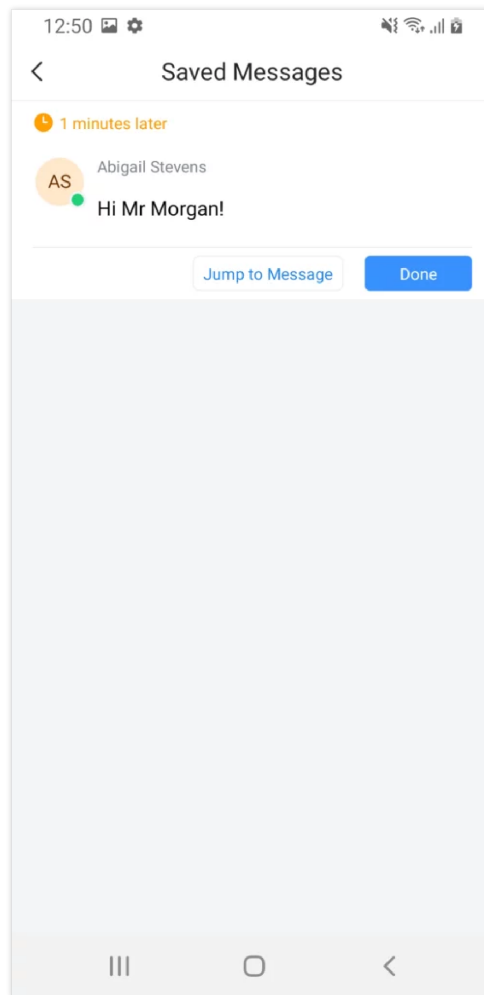


Message Saved

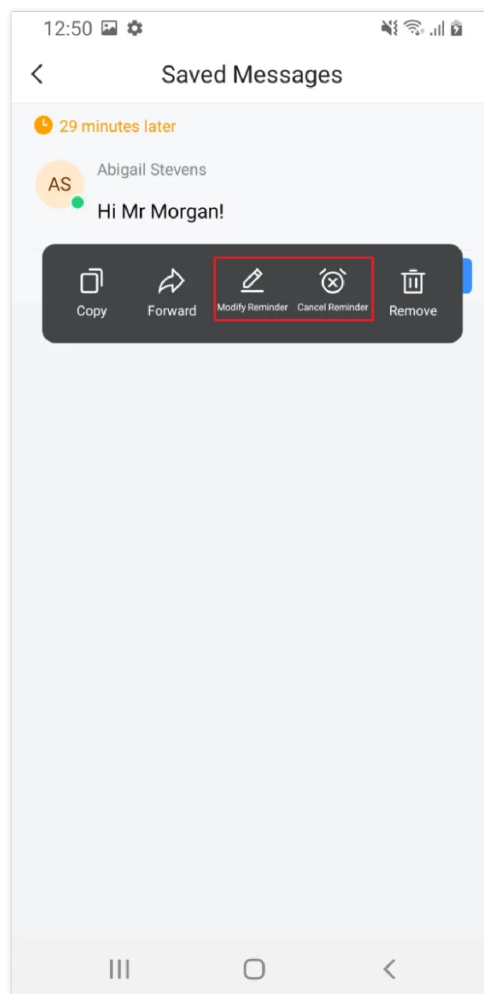
To view the messages that had a reminder scheduled. Either tap [View](#) or [Jump to Message](#). The messages will be displayed as a list, as displayed in the first figure below.

All the messages will be displayed as can be seen in the first figure below. The user can either mark the message as "done" or the user can tap the "Jump to Message" button to read the message in the context of the conversation.

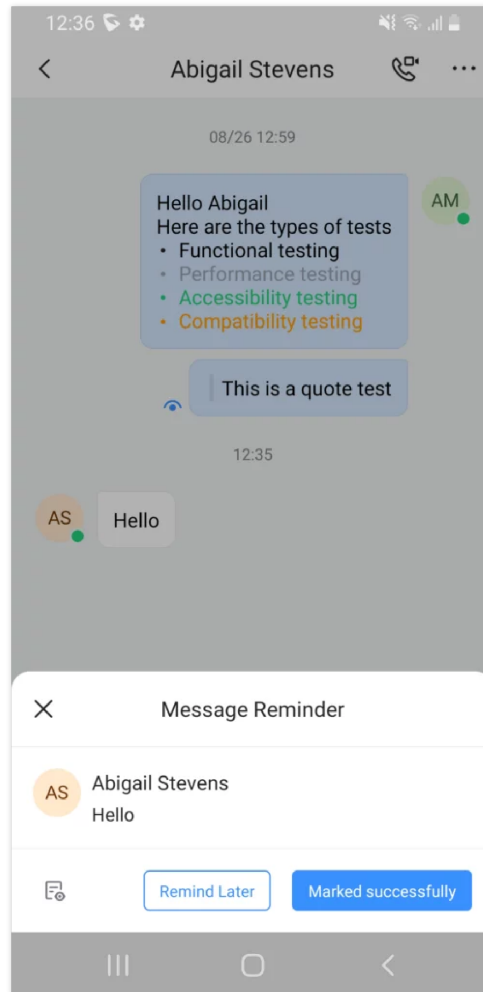
The user can also modify the date and time of the reminder, or can simply choose to cancel the reminder for the message, as seen in the second figure.



Saved Messages



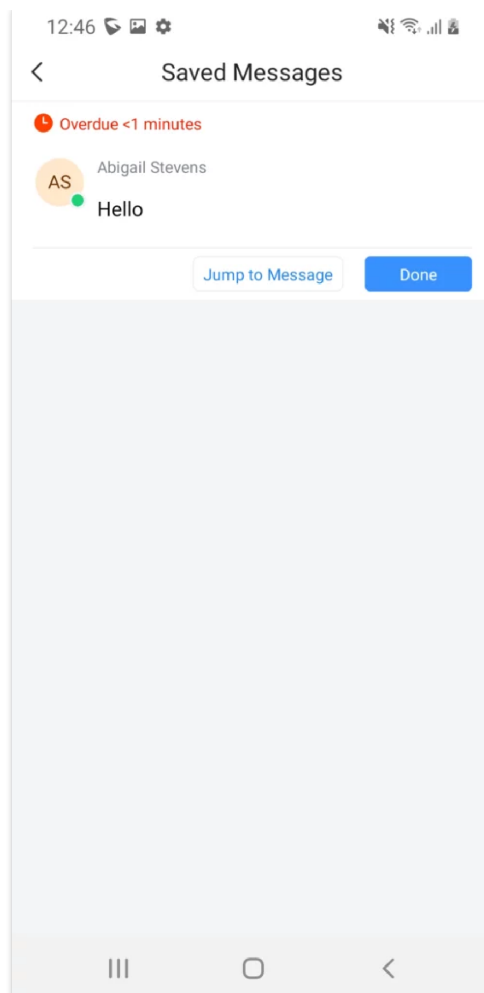
When the time of the reminder arrives, the user will receive the following prompt



Message Reminder

If the user taps "Remind Later", a reminder will be set to remind the user of the message 10 minutes later. If the user taps "Marked Successfully", the prompt will be dismissed.

If the user taps the following button , they will be able to see the list of all the messages that have had a reminder set for them. Please see the screenshot below.

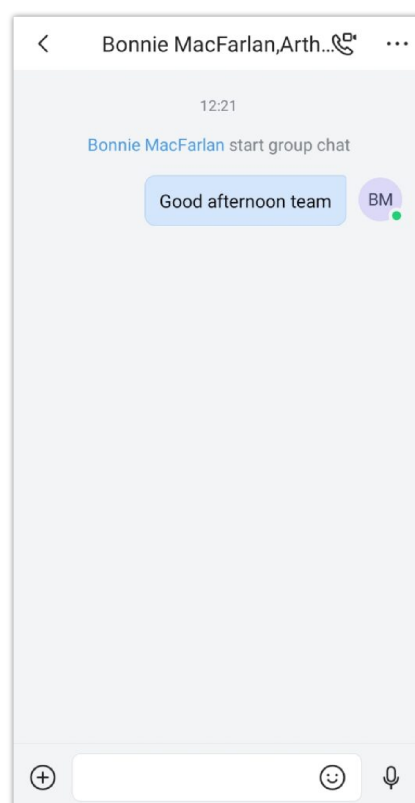


Saved Messages

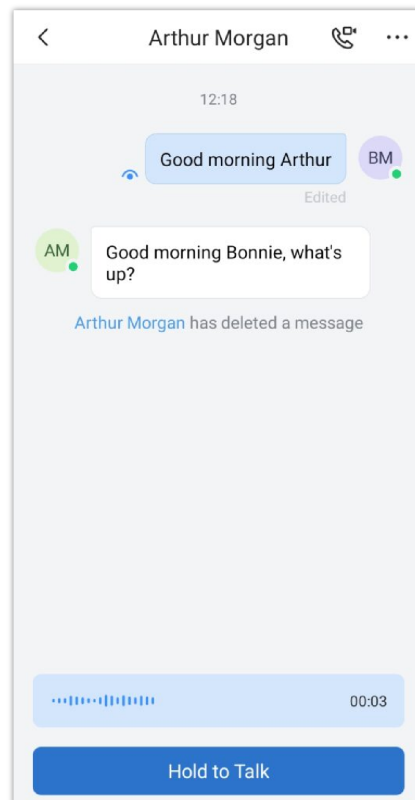
Voice Messages

Wave Mobile application supports recording and sending voice messages instantly in point-to-point chat or group chat. To use this feature, please follow the instructions below

Step 1: Tap on the microphone icon in the chat window.

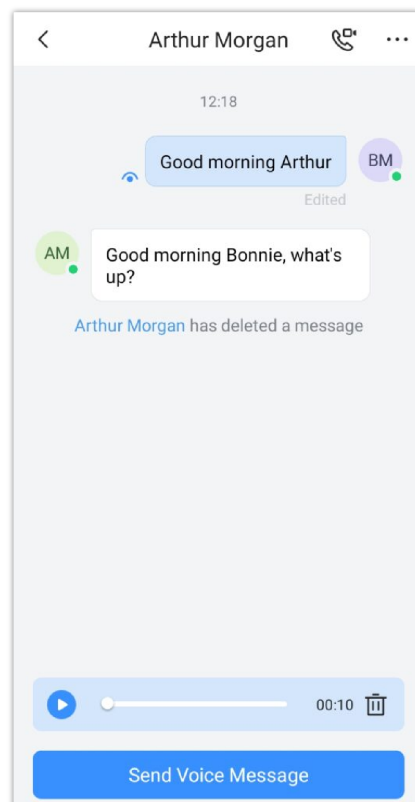


Step 2: Then tap and hold "Hold to Talk" to start recording



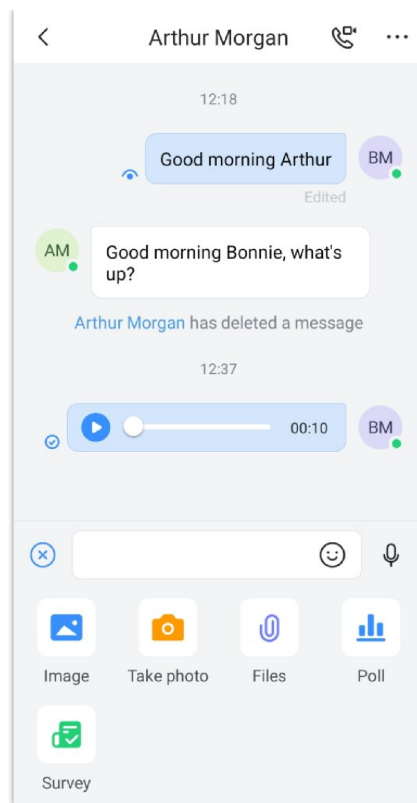
Hold to Talk

Step 3: Once your message has been recorded, please tap on send message.



Send The Voice Message

The voice note will be sent, and it can be played by tapping the play button.



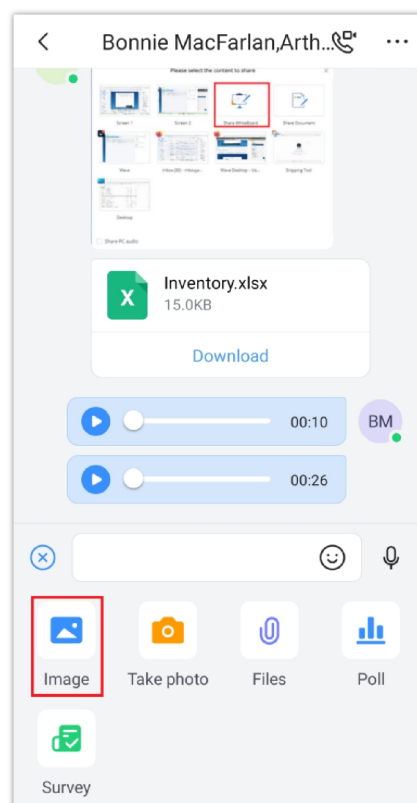
Sent Voice Message

Note

Please note that sending voice messages is only possible on the Wave Mobile application.

Send an Image

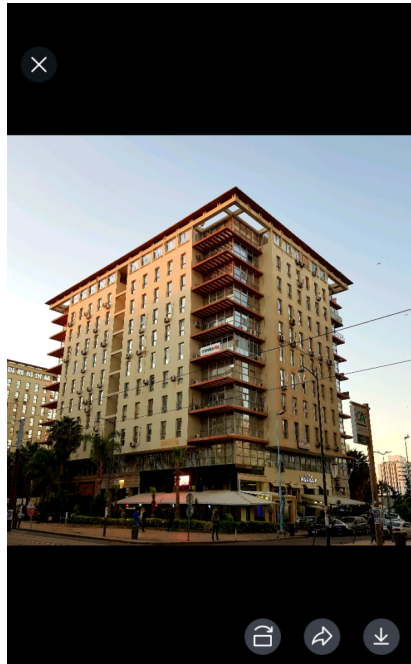
You can also send an image to any contact or a group chat. To do so, tap the image icon as shown in the figure below:



Send an Image

Then select an image and press send.

To view an image in full screen on Wave, please tap to open the image.



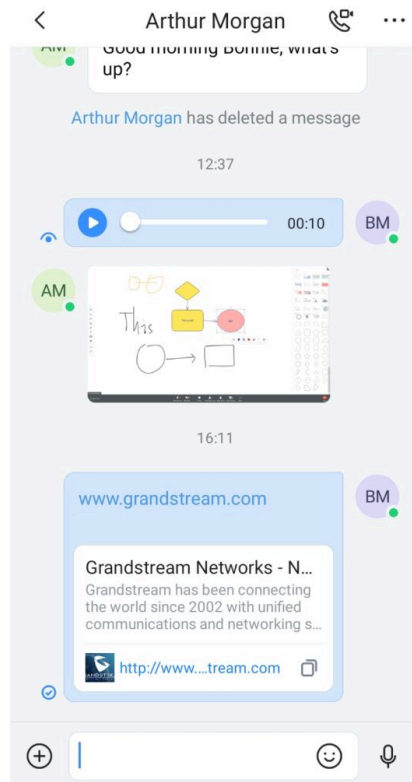
View Image

When viewing an image, the user has three options on the bottom right of the screen.

- : This button can be used to rotate the image clockwise.
- : This button can be used to forward the image to another contact.
- : This button can be used to download the image to the smartphone.

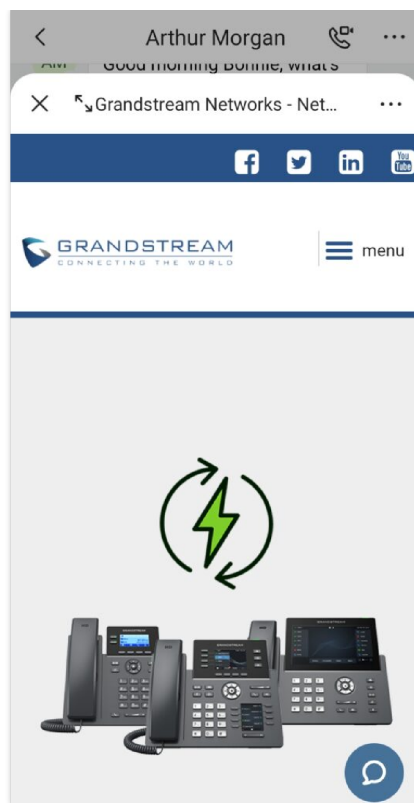
Send a Link

You can also send a link to any contact or a group chat. To do so, just paste the link or type the link in the chat window.



Send a Link

You can preview links in chat messages, and you can click on a link in the Wave app to view the web page through a small pop-up window.



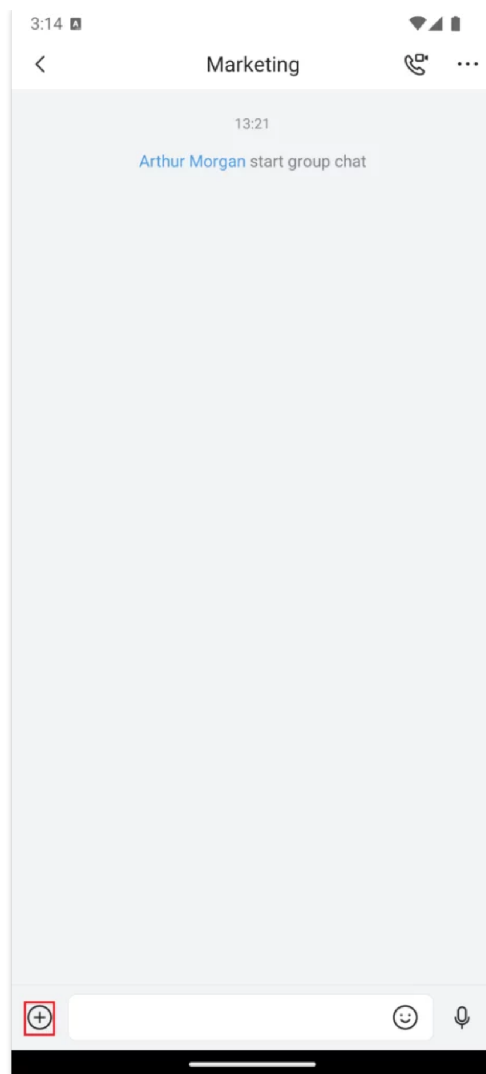
Preview Link

Send a File

The user can share a file with one contact or with a group of contacts. The user can also choose to send one file at a time or to send multiple files at once.

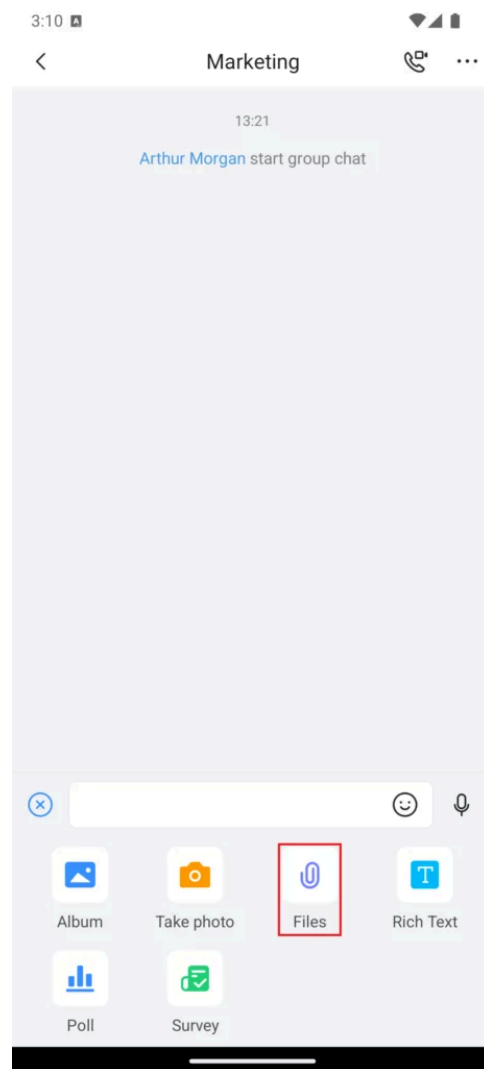
To send a file, please follow the steps below.

1. Tap on the "+" button to open additional chat options.



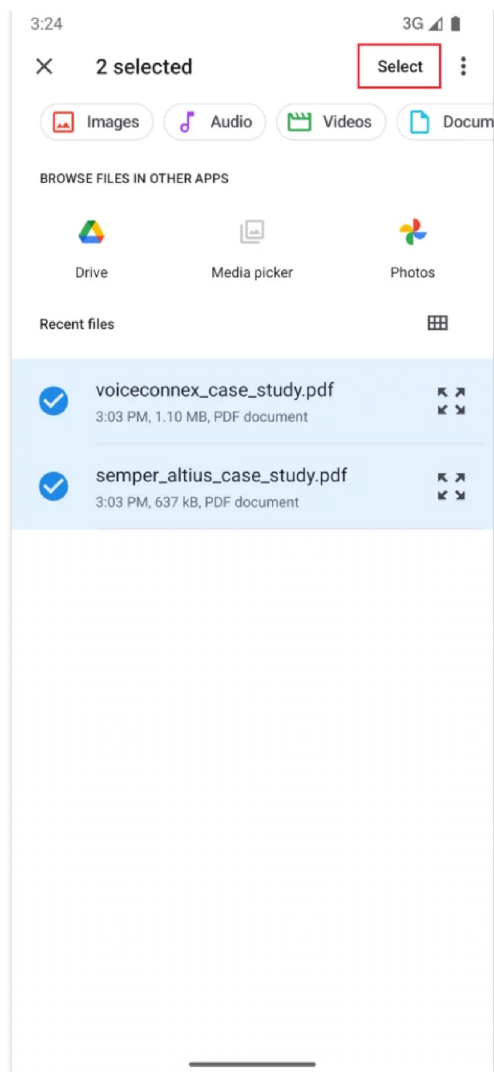
Wave Chat

2. Select "Files"

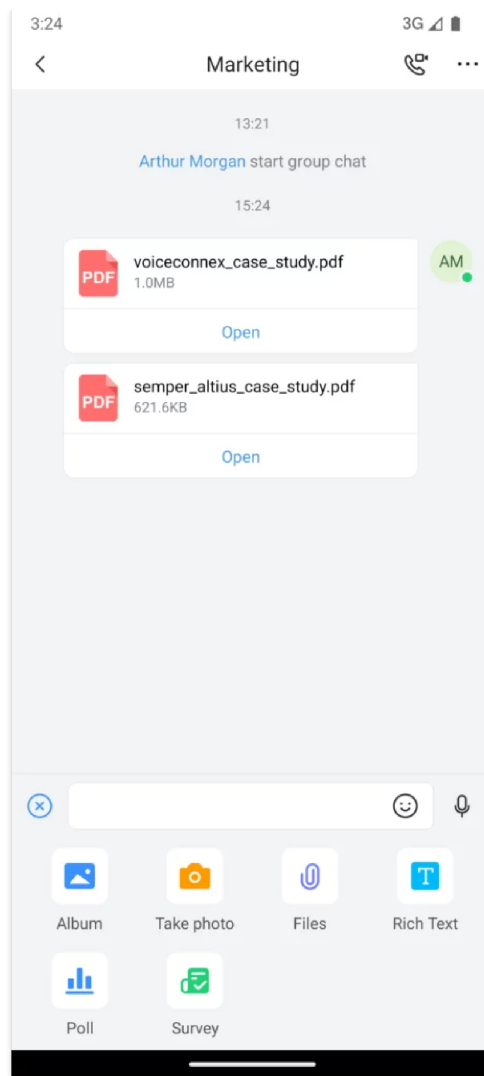


Attach Files

3. Select the files to send by tapping on them. The user can select multiple files as shown in the screenshot below. Once the files are selected, tap "Select".

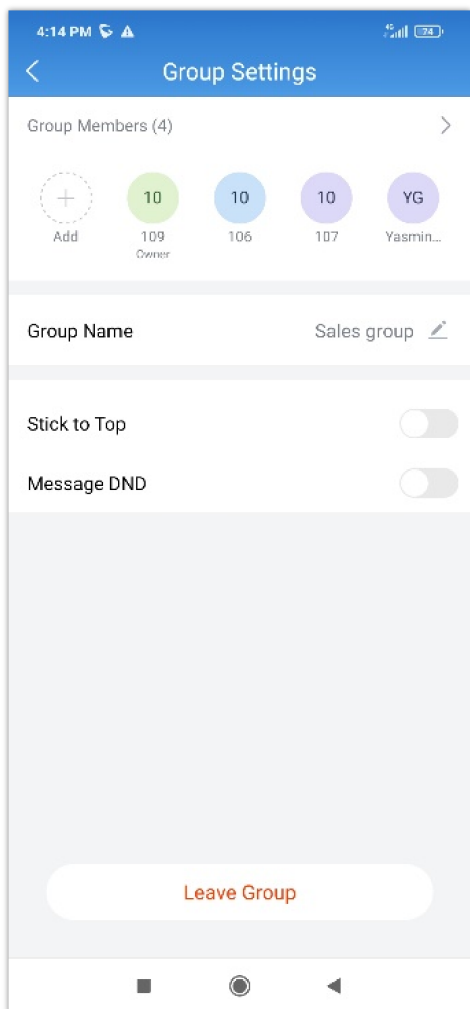
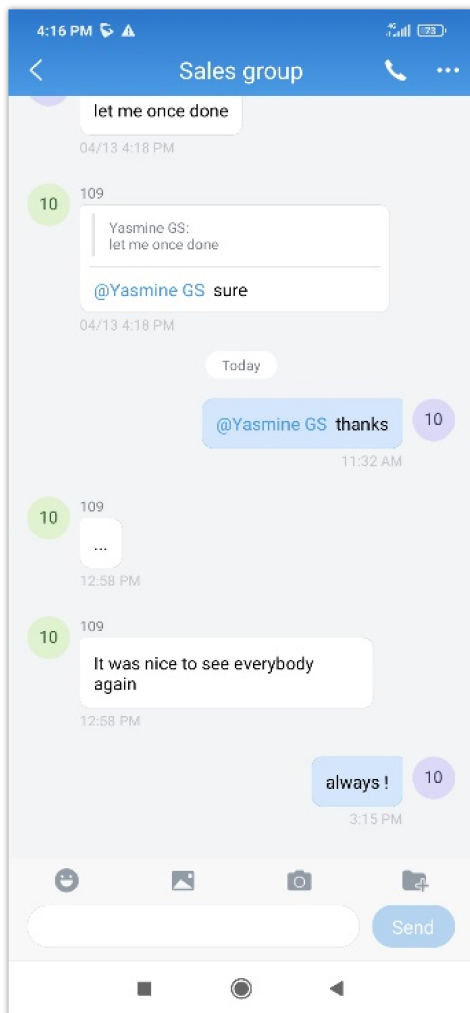


3. When the files are sent successfully, they will be displayed as shown in the screenshot below.



Group Settings

- In the group settings interface, the user can modify the group name, add/delete group members, and leave/dismiss the group chat. The user can click the button  in the upper-right corner of the interface to access the group settings interface.
- **Modify Group Name:** The user can click the group name to edit it.
- **View All Group Members:** The user can click the "Group Members" option to view all group members.
- **Delete Group Members:** In the group member list, the user can long-press a specific member icon and delete the group member. Only the group owner can operate.

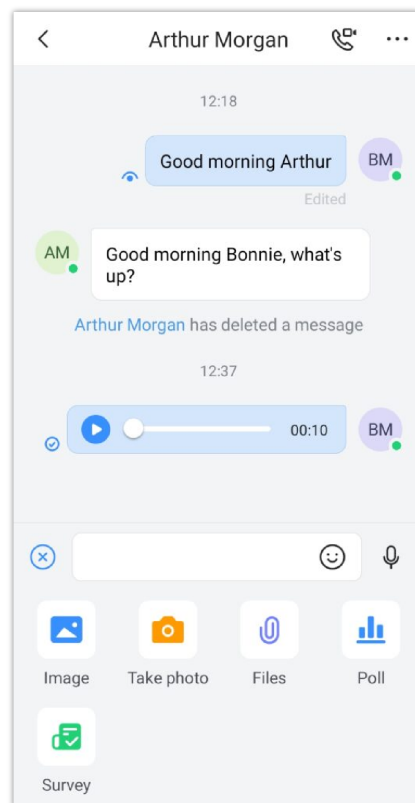


- **Add Group Member:** The user can click the button  to add group members and select from the contacts.
- **Pin:** The user can select this option, and the current group chat window will be displayed at the top of the chat list.
- **DND:** The user can select this option, and all new messages from this group chat will not be notified or reminded.
- **Dismiss Group:** The user can click this option to remove all members from the current group chat. All group chat history will be deleted. Only the group owner can operate.
- **Leave Group:** The group member can click to leave the group at any time and the group chat history will be deleted for this user.

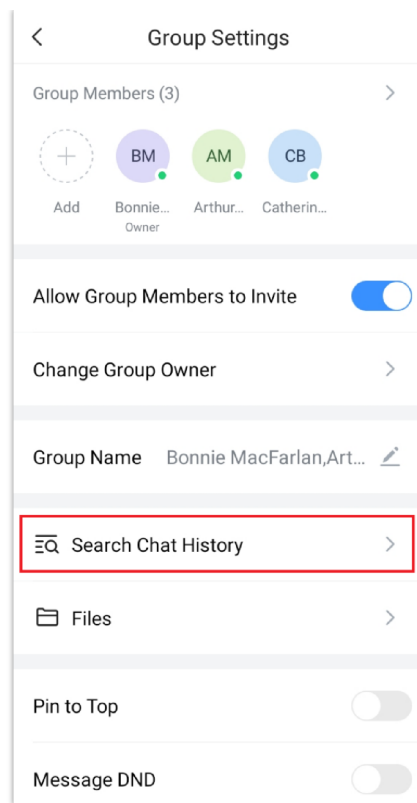
Search in a Chat History

The Wave app allows searching within a discussion using keywords to find the information you are looking for and read the context in which it was relayed. To use the chat search functionality, please follow the instructions below.

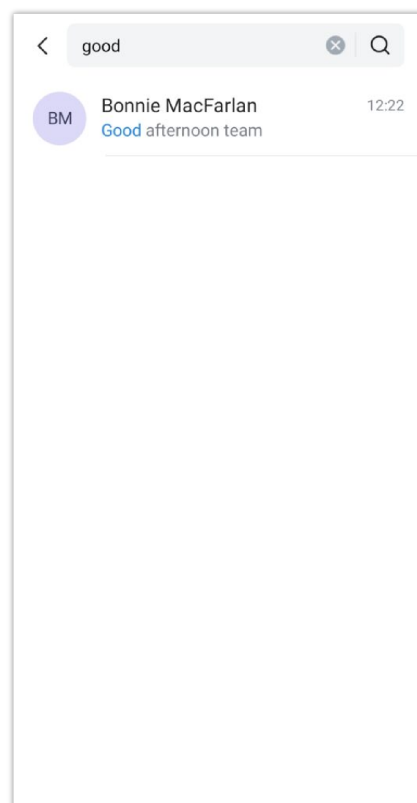
Step 1: Go to the conversation you wish to search in, then tap on  on the top right corner of the screen



Step 2: Tap on "Search Chat History"

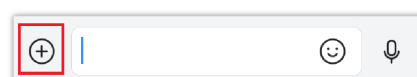


Step 3: In the search box, enter the keywords you'd like to search for, and the result will be displayed similarly to the screenshot below.

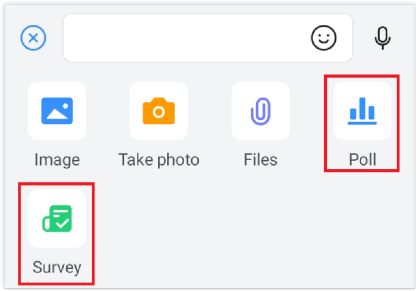


Create Poll/Survey

To create a poll or a survey, please tap on the plus button at the bottom right corner of the chat window.



Then choose either Poll or Survey.



◦ **Create a Poll**

To create a poll, tap  then click on 

A screenshot of the 'Add Poll' screen in a mobile application. The screen has a dark header with a back arrow, the name 'Bonnie MacFarlan, Arth...', and a menu icon. The main content area is white and contains the following elements: a 'Subject' text input field; a toggle switch for 'Allow Multiple Selection' (currently off); a list of two 'Enter option' text input fields, each with a minus icon to its right, and a green 'Add Option' link below them; a toggle switch for 'Allow Others to Add Options' (currently off); a toggle switch for 'Anonymous Vote' (currently off); a 'Display Poll Result' dropdown menu set to 'After voting'; and an 'Auto-End Poll' dropdown menu set to 'Indefinite'. At the bottom are three buttons: a small icon of a document, a 'Save' button, and a 'Save and Publish' button.

Add Poll

Enter the necessary information for the poll.

Add Poll

Subject

Allow Multiple Selection ☐

Enter option

Enter option

Add Option

Allow Others to Add Options ☐

Anonymous Vote ☐

Display Poll Result

After voting

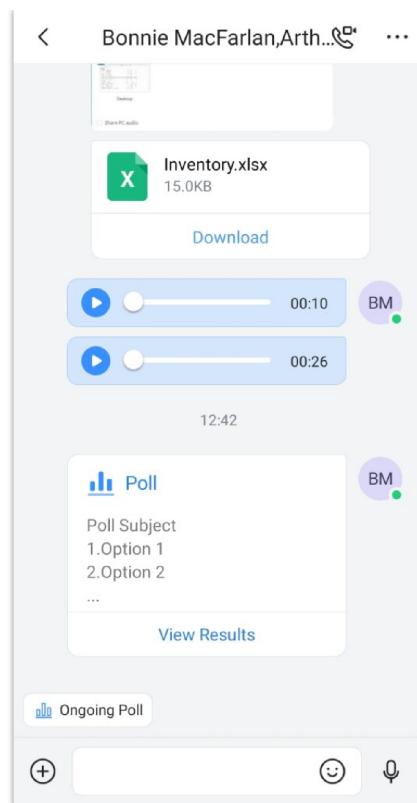
Auto-End Poll

Indefinite

Add Poll Subject and Options

Background Mode	When the background mode is enabled, the user can still receive incoming calls, messages, and notifications when the application is running at background. It is recommended to enable this if issues are experienced with message notifications and receiving incoming calls.
Disable Battery Usage Optimization	This allows Wave to use the battery in the background. If this option is disabled, issues like not receiving notifications and incoming calls might not be received.
Enable Background Data	Enable this option to allow Wave to use data in the background. Disabling this will prevent any messages or calls to be delivered when Wave is on the background.

Then click on to save the poll, or click on to save and publish the poll. The published poll will be posted to the conversation and will look like the following figure.



Published Poll

◦ **Create a Survey**

To create a Survey, please tap on



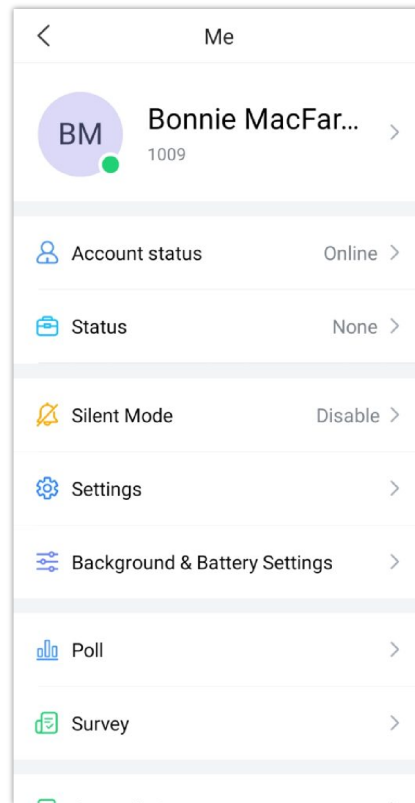
Create a Survey

Background Mode	When the background mode is enabled, the user can still receive incoming calls, messages, and notifications when the application is running at background It is recommend to enable this if issues are experienced with message notifications and receiving incoming calls.
------------------------	--

Disable Battery Usage Optimization	This allows Wave to use the battery in the background. If this option is disabled, issues like not receiving notifications and incoming calls might not be received.
Enable Background Data	Enable this option to allow Wave to use data in the background. Disabling this will prevent any messages or calls to be delivered when Wave is on the background.

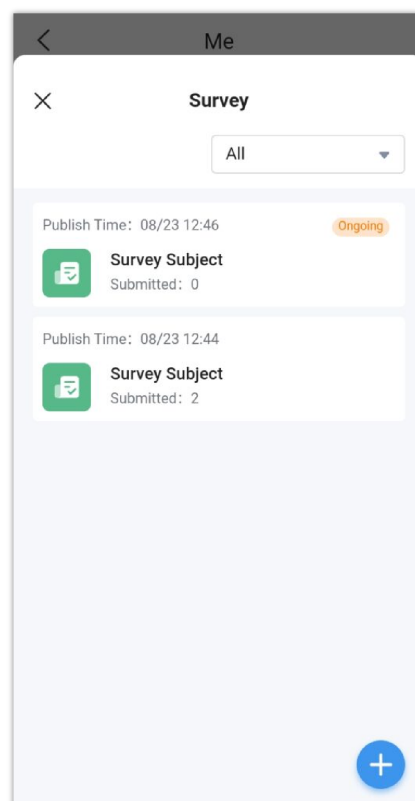
- **Stop a Poll/Survey**

Step 1: To stop a poll or a survey, please click on your profile picture.



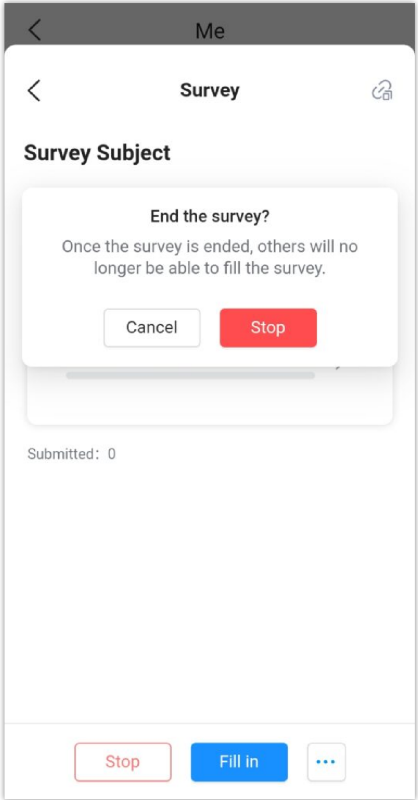
Wave Mobile Profile

Step 2: Then tap on "Poll" or "Survey". For the sake of this example, we will choose "Survey".



List of Surveys

Step 3: Open the survey you wish to stop, then tap Stop

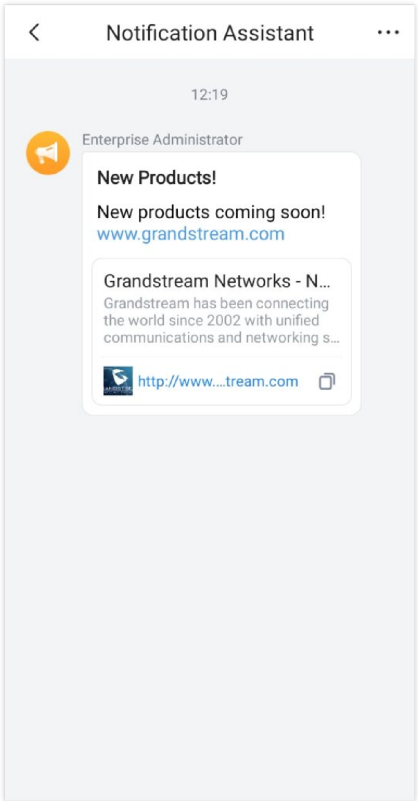


Stop a Survey

Step 4: Click on "Stop" to end the survey.

Notification Assistant

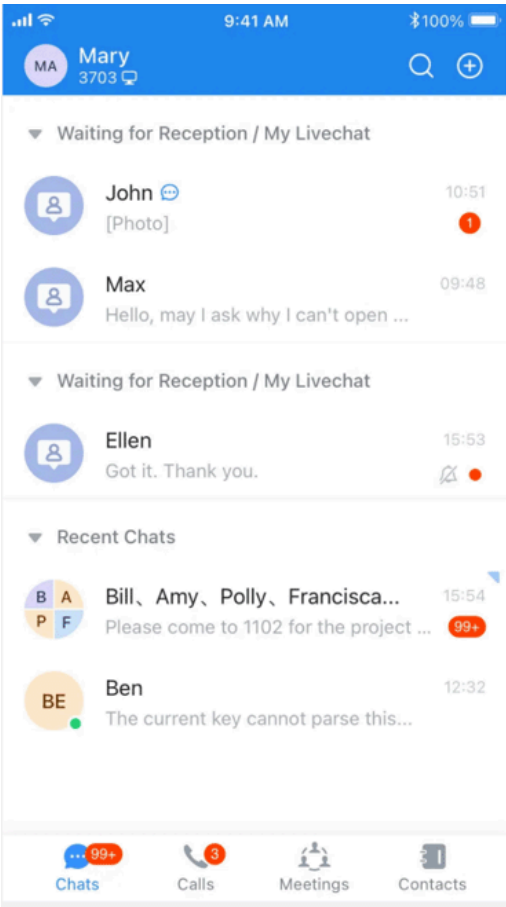
The administrator of your UCM can log in to the **Web UI of the UCM** → **Messaging** → **Message Broadcast** to publish a broadcast message to all extension users, and Wave users can receive this message and display it through the Notification Assistant.



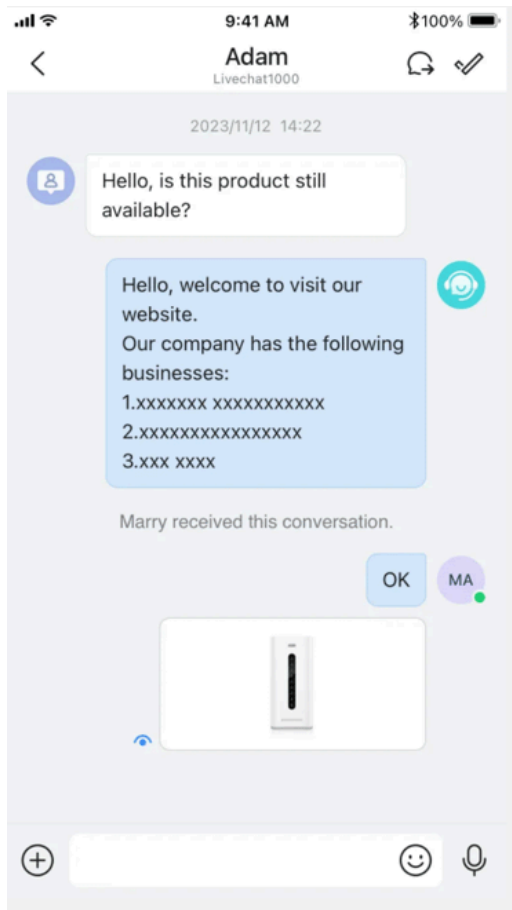
Notification Assistant

Live Chat

When customers initiate Live Chat sessions, the agent can receive the message on the Wave mobile client and reply to the customer. The agent can also view the sessions that have already been processed.



Live Chat



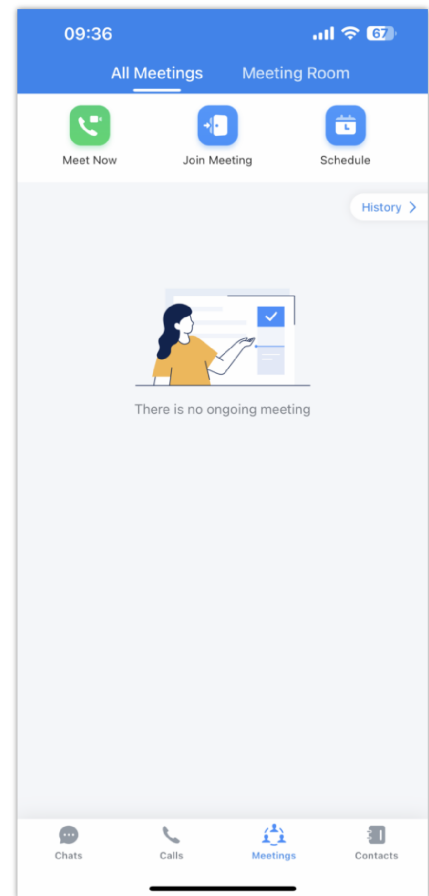
Once the agent has provided the needed support to the customer, the agent can click on  to mark the session as resolved. If the user wishes to transfer the session to a different agent, he/she can click on .

MEETING

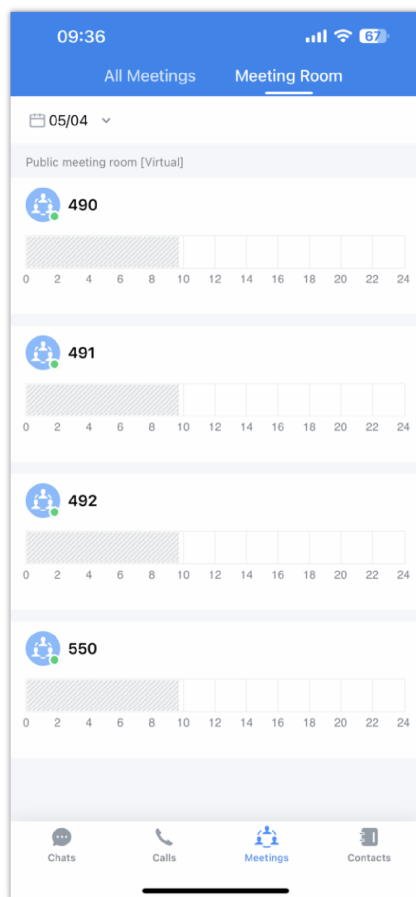
Meet Now

Immediately create a new meeting using one of the UCM's meeting rooms. Step 1: Tap on "Meet now". Step 2: Set the meeting subject. Step 3: Select the participants from contacts/group members. Step 4: Click "Meet now" button to create a video conference and join the video conference room.

Note: After creating the instant meeting, the video meeting number is a random meeting number. If the user wants to use the public meeting room, the user can access the public meeting room list and join the public meeting room.



All Meetings

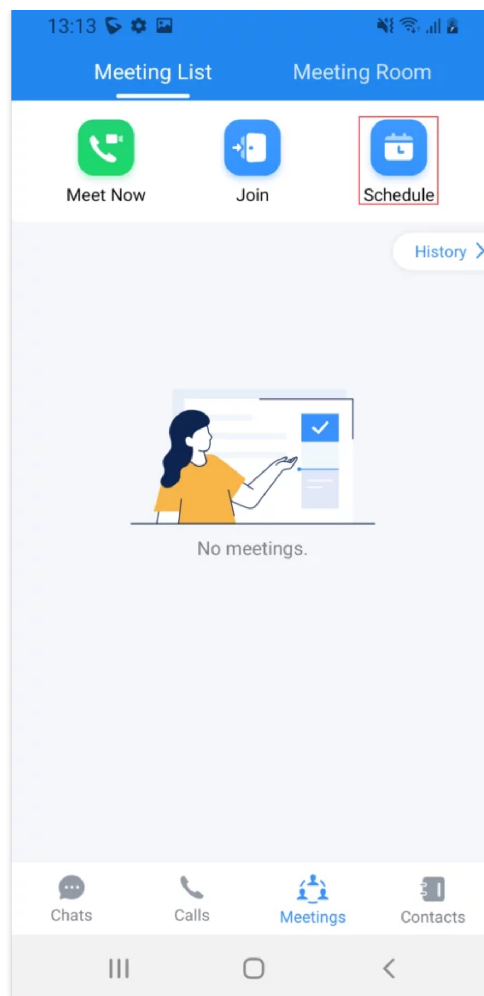


Meeting Room

Users can also directly enter a meeting room by dialing its extension from the **Dial** page.

Schedule Meeting

1. Click the "Schedule" button to open the interface as shown below.



Meetings

2. Select whether to use the public meeting room. If the user wants to use the public meeting room, the user needs to select the public meeting room number.
3. Set the meeting time and repetition cycle. Meetings can be scheduled daily, weekly, or monthly. For custom recurrence, users can choose to repeat every N days or N weeks, set the repeat frequency, and define an end date or allow the cycle to continue indefinitely.
4. Set the password for the meeting room.
5. Select meeting participants.
6. Select the meeting host. Set the host code, set the meeting property, etc.
Note: If "Allowed to Override Host Mute" is enabled, the participant can unmute themselves after they have been muted by the host of the meeting.
7. Configure advanced settings such as email reminders, whether or not to call invitees, allowing participants to invite others, and enabling or disabling the meeting join/leave prompt.
8. Click on the "OK" button in the upper right corner to complete the conference room reservation.

10:01 79%

< Schedule Meeting

Conference initiated by 1014

Use Public Meeting Room ☐

Meeting Time * Not configured >

Recurrence Once >

Meeting Password Optional

Meeting Description

Invitees 0 >

Host Settings ▼

Advanced Settings ▲

Time Zone Africa/Casablanca >

Email reminders before meeting 60 >

OK

||| □ <

10:02 79%

< Meeting Time OK

2022/03/22 ▼

☐ 10:00 AM - 10:15 AM Expired

☐ 10:15 AM - 10:30 AM

☒ 10:30 AM - 10:45 AM

☒ 10:45 AM - 11:00 AM

☒ 11:00 AM - 11:15 AM

☐ 11:15 AM - 11:30 AM

☐ 11:30 AM - 11:45 AM

☐ 11:45 AM - 12:00 PM

☐ 12:00 PM - 12:15 PM

☐ 12:15 PM - 12:30 PM

☐ 12:30 PM - 12:45 PM

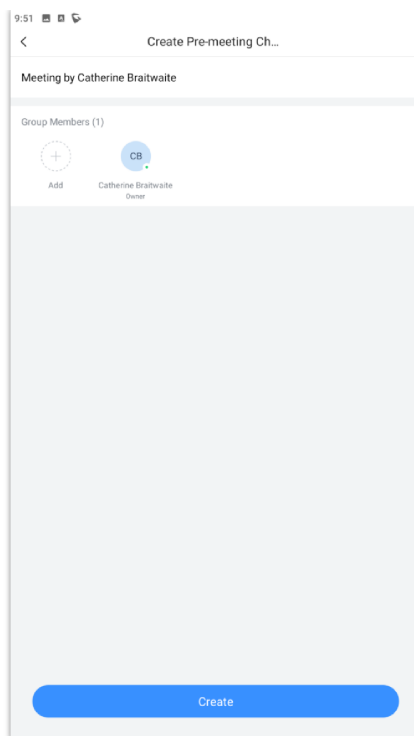
☐ 12:45 PM - 1:00 PM

☐ 1:00 PM - 1:15 PM

☐ 1:15 PM - 1:30 PM

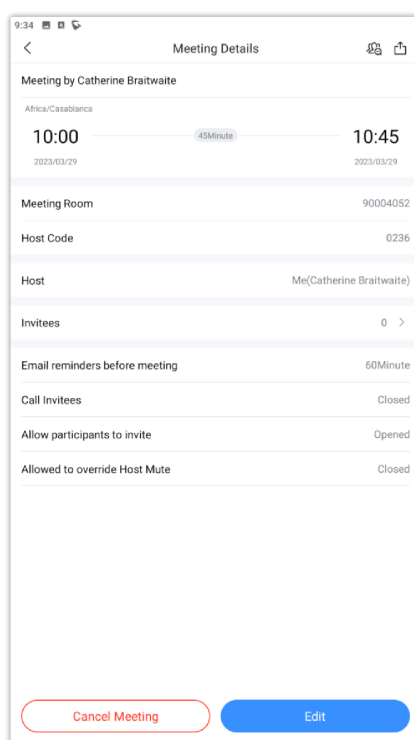
||| □ <

When scheduling a meeting, the user can create a group chat by tapping on . Then, tap on "Create".



After the meeting ends, the system will prompt the user whether to forward the chat history of the meeting to the new meeting group chat.

If the user decides to cancel a meeting, he/she can do so by navigating to the list of meetings, tapping on the meeting, and then tapping cancel meeting as the figure below indicates.



Then the user will be prompted to enter the reason for the cancellation of the meeting. The reason will be relayed by the meeting assistant to the extension added in the meeting.

Cancel the meeting?

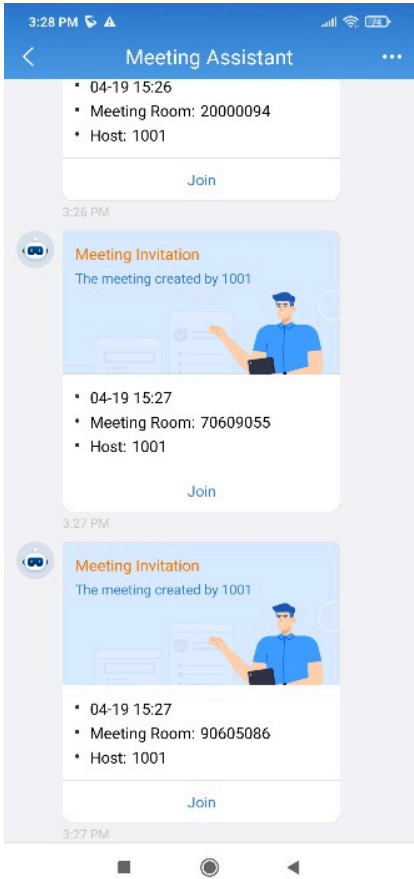
Reason for cancellation

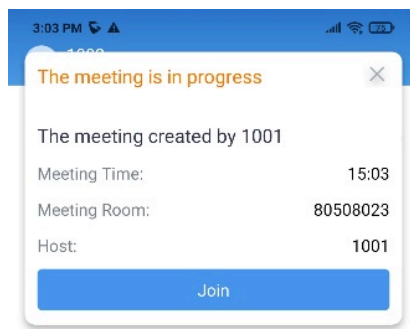
CancelOK

Meeting Invitation

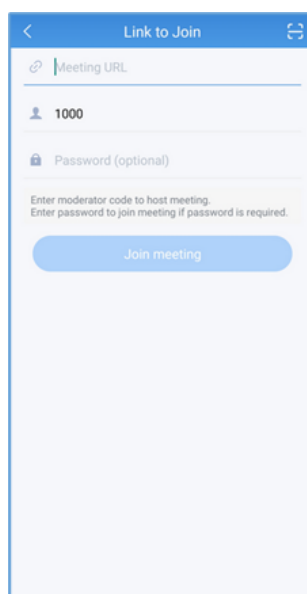
When the user receives the meeting invitation, the user can quickly click to join the meeting through the message reminder in "Meeting Assistant".

There will be a notification 10 minutes before the meeting starts, or when the scheduled meeting is about to begin.





Link to Join



There are two methods to join a meeting via the link:

1. Click on



to scan the QR code from the meeting invitation email or provided by the meeting host to join the meeting.

2. Fill in manually the Meeting URL and password. By default, meeting invitation emails also provide a link to join the meeting.

Note

Meeting participants can invite the IP camera devices they have permission to access to meetings. Other meeting participants will be able to view the video feed of the invited IP camera devices.

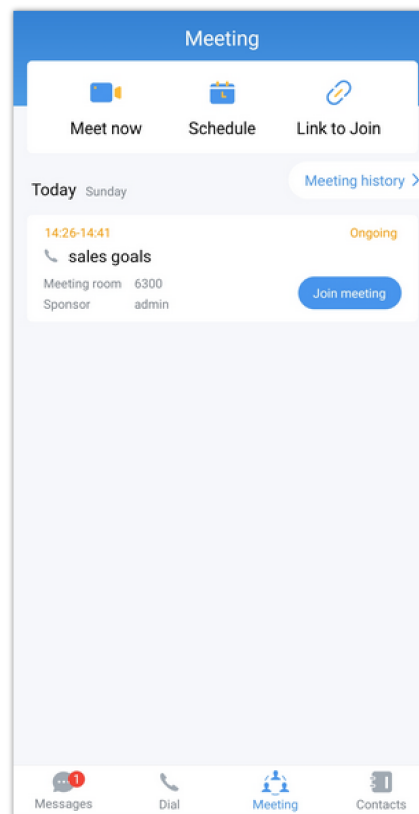
If an ongoing meeting sends an invitation to a user, the user will not only receive the message notification, but also receive an incoming call notification, so that the user can be notified in time.

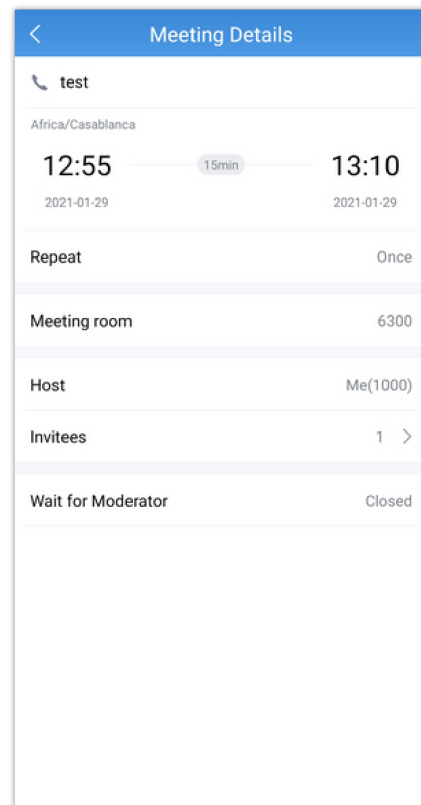
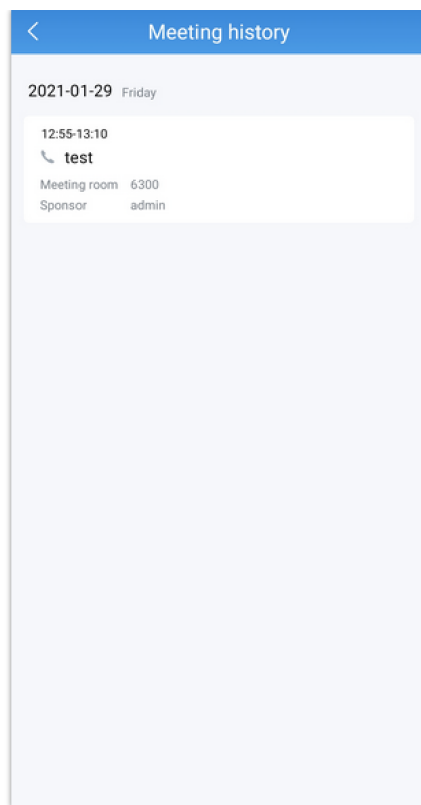
Meeting History

To review the previously hosted meetings, users can always go back to “**Meeting history**” to display information about old meetings. To do so, please follow the steps below:

Step 1: Click on Meeting History.

Step 2: Select the desired meeting to display more details.





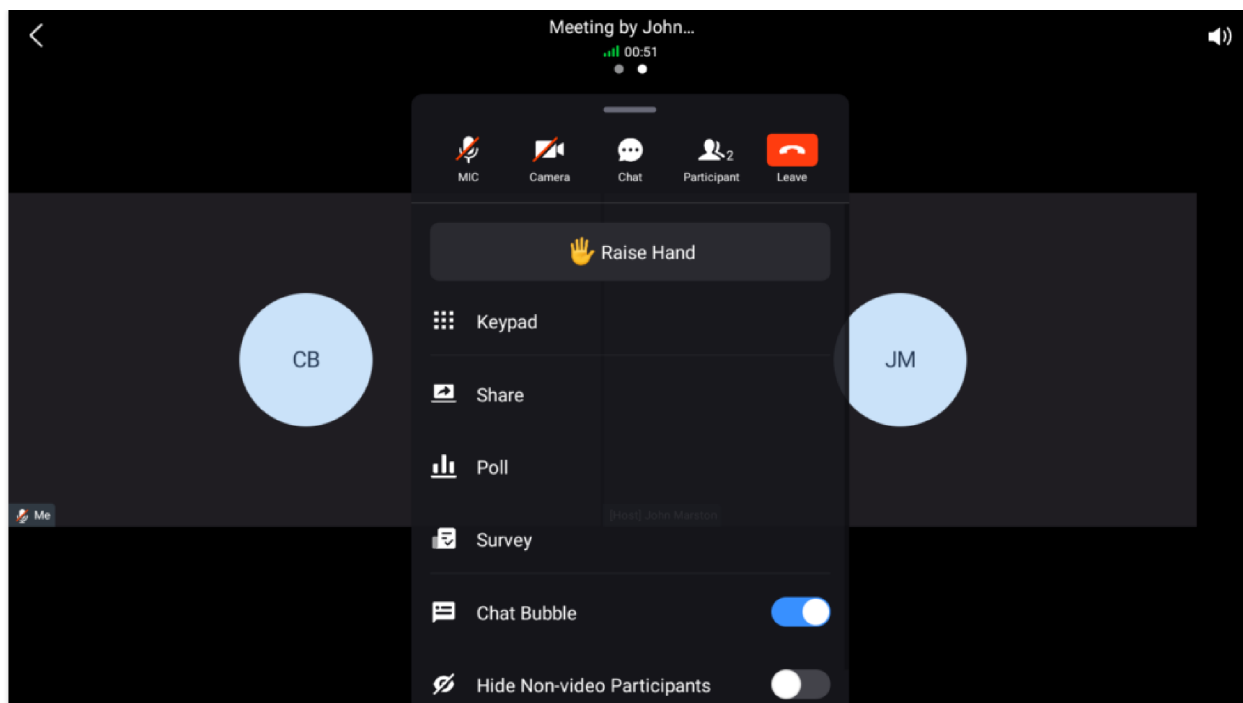
Meeting History

Information:

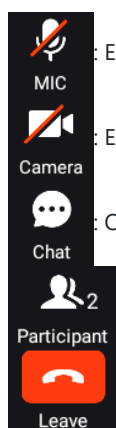
You can search for the recent 6 months meeting history. The period will be counted by natural month.

During the Meeting

During a meeting, the participant will be presented with the screen shown below. The participant will be able to perform several actions and use the features offered by Wave to have a productive meeting.



During the Meeting



: Enable or disable the microphone.

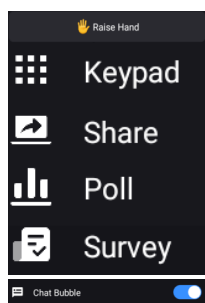
: Enable or disable the camera.

: Open the chat box.

: Open the list of participants.

: Leave the meeting. For the host of the meeting, when he/she clicks on this button, it will prompt two options:

“End Meeting” and “Leave Meeting”. End Meeting will finish the meeting, and Leave Meeting will result in the host leaving, and another member will be assigned as the host, and the meeting will carry on.



: Raise your hand.

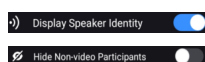
: Open the keypad.

: Share your screen with the meeting’s participants.

: Create a poll.

: Create a survey.

: Toggle the Chat Bubble on and off.



: Toggle to display the current speaker during the meeting.

: Hide the participants who do not have their camera activated.



: Change the layout to display the speaker.

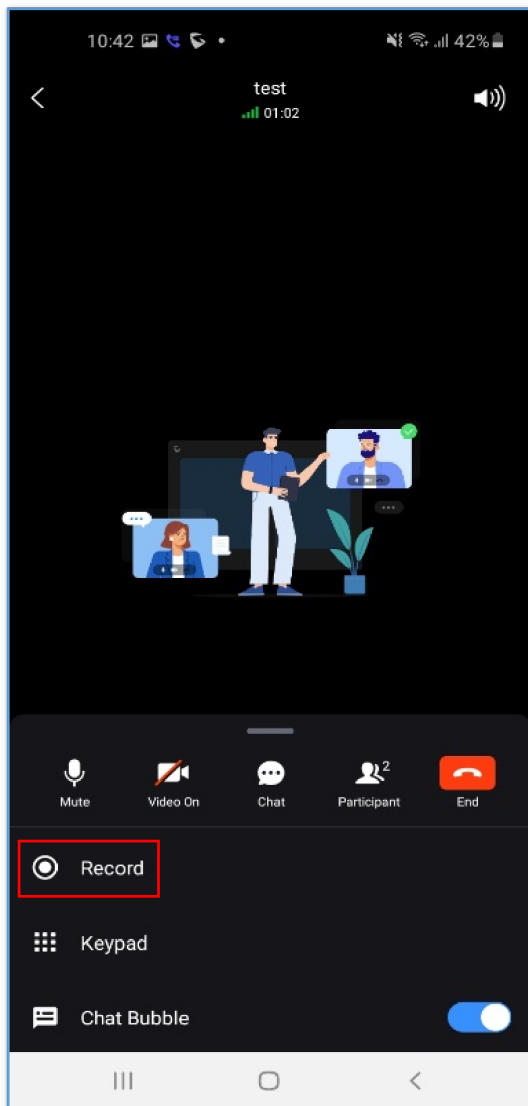
Note

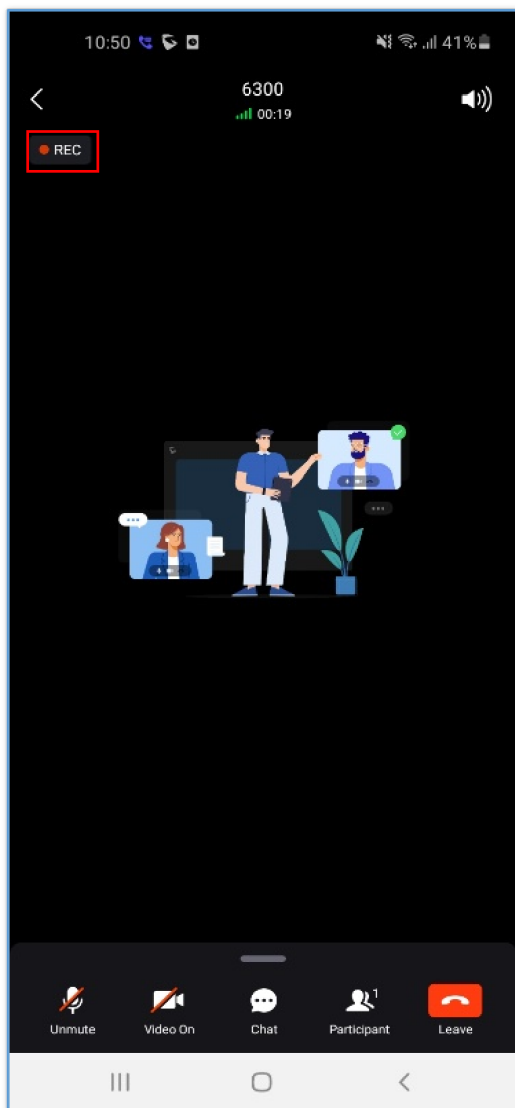
During a meeting, the host can mute a participant who seems to be in a noisy environment. This will enable push-to-talk for the participant. If he/she wishes to speak, he/she needs to press and hold the microphone and release it when he/she is done speaking.

Note

The meeting host can start audio recording during the Wave meetings, and only the meeting organizer can view the meeting recording files in the Meeting Details menu after the meeting.

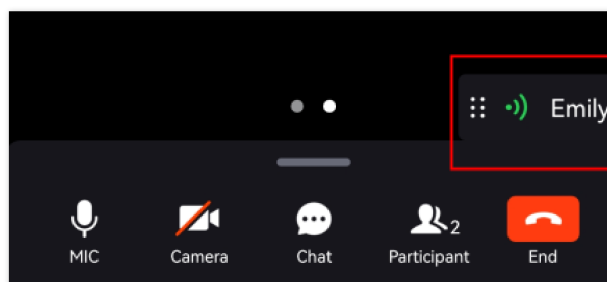
Please follow the instructions shown in the two screenshots below to start recording a meeting.





Display Current Speaker

During a meeting, the current speaker will be displayed in real-time. You can configure to display or hide the speaker identity in Settings.

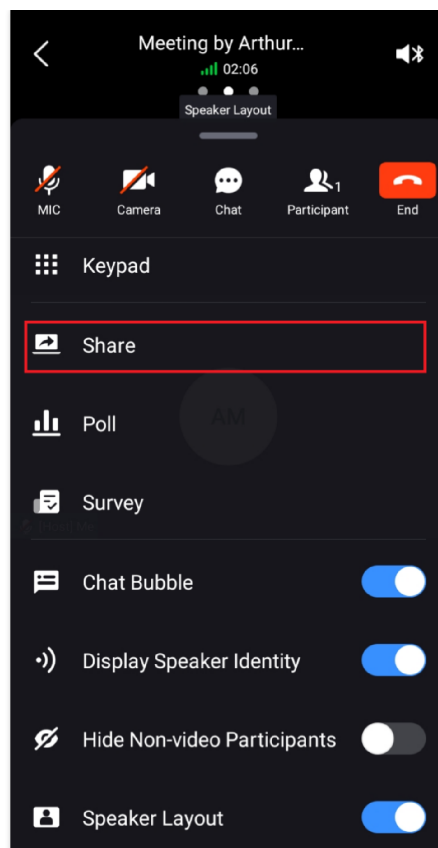


Display Current Speaker

Share

Using Wave mobile, the user can share the screen, share a whiteboard, or share a document/from his/her mobile phone for other users in a meeting.

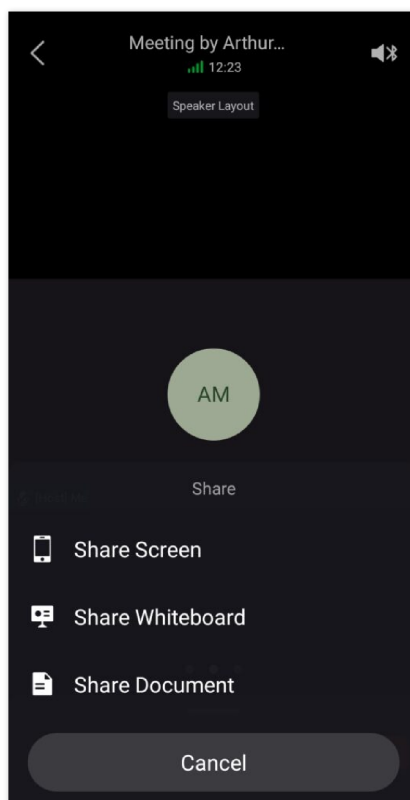
To do that, the user should swipe the contextual menu to reveal more options and select "Share" as shown in the screenshot below:



Share Screen

A prompt will appear with the sharing options:

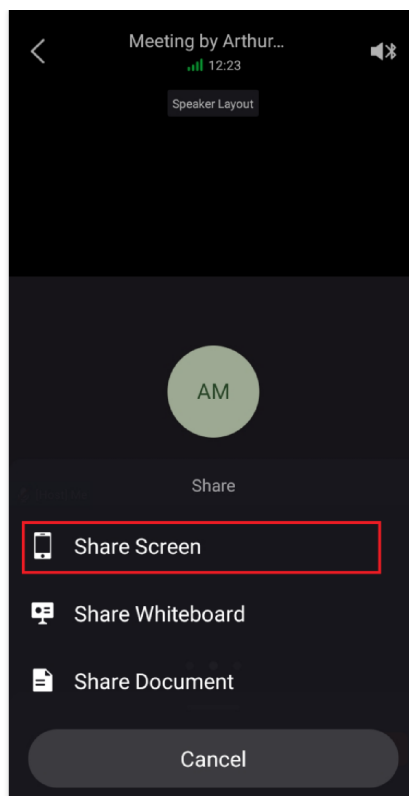
- "Share Screen": To share the entire screen
- "Share WhiteBoard": To share the WhiteBoard (Supported in meetings only)
- "Share Document": To share a PDF file (Supported in meetings only)



Share Options

Share Screen

Select "Share Screen".



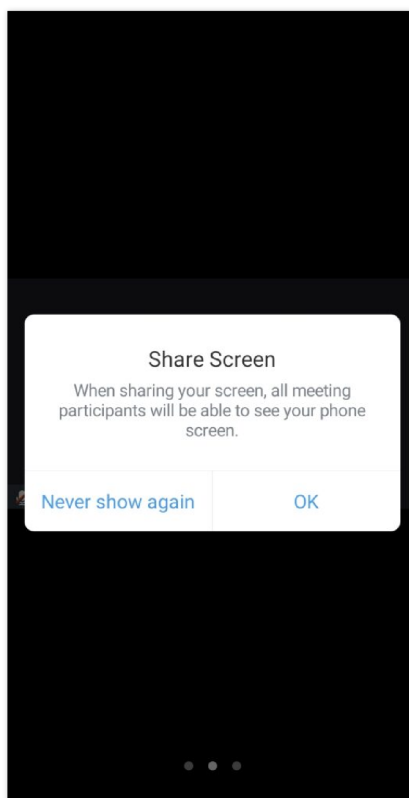
Share Screen

A prompt informing you that all your screen content will be shared and viewed by other meeting participants.

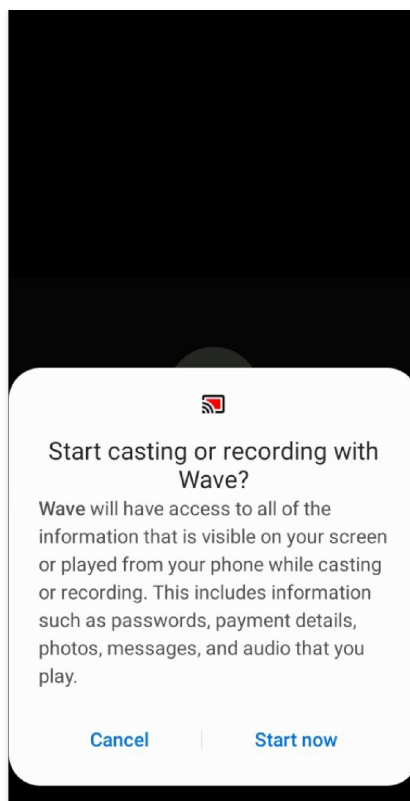
Click "**OK**" to accept.

Click "**Start now**" to start sharing your screen.

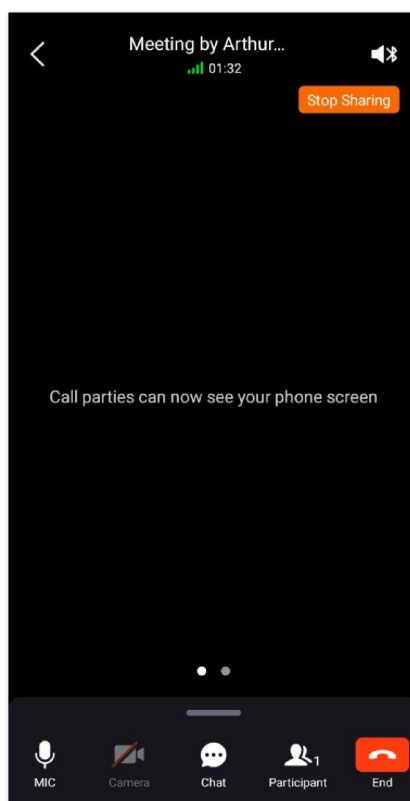
The screen will be shared.



Share Screen Prompt



Start Casting



Shared Screen

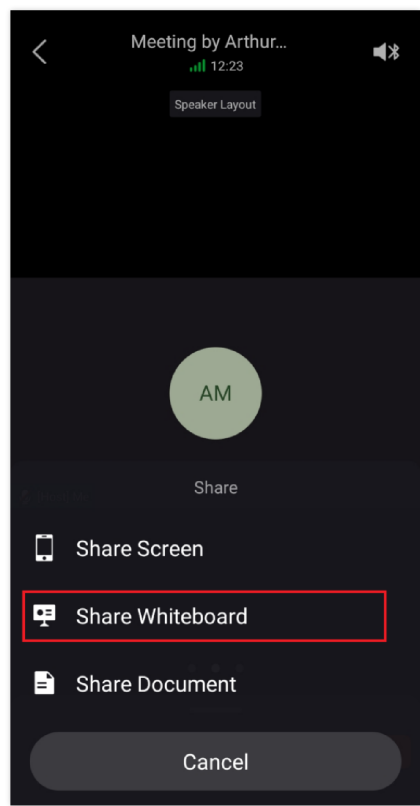
Note

- Only one user can share a screen at a time.
- During screen sharing, the users can double-click on the sharing screen or video screen to enlarge the display area to full screen.

Share WhiteBoard

Share WhiteBoard is supported in meetings only.

The user can click on the “Share” icon and select “Share WhiteBoard”.



Share WhiteBoard

The new shared whiteboard contains complete features, including a laser pointer, highlighter, input texts, graphics, flow charts, charts, and other graphics and styles. You can drag graphics and edit graphics multiple times. The real-time drawing feature is very simple and fast for users.





You can keep pressing the blank space or drag with two fingers to move the canvas, or zoom the canvas with two fingers.



Share Whiteboard



Hold and drag. Release when finished. Drag with two fingers to move the canvas



: The drawing toolbar will appear after clicking this icon.

: Click to view more options (only the sharer has the permission), including: Enable/Disable Collaboration function (After enabling this function, other participants can draw at the same time), change the Canvas Color, Empty Canvas, Open File (the whiteboard data picture which was previously saved), Save as Picture, etc.

: This is the laser pointer option, and only the sharer has this option. It displays the drawn track and will disappear in 3 seconds.

: This is the graphics option. It only supports basic graphics. You can double-click the graphic to add text.

🖌️: This is the brush option. There are two types of brushes: "Common Brush" and "Highlighter".

📄: This is the text option.

🖼️: Pictures can be inserted. After inserting a picture, you can drag the edge to change the size of the picture.

🧑‍🎨: This is the eraser option.

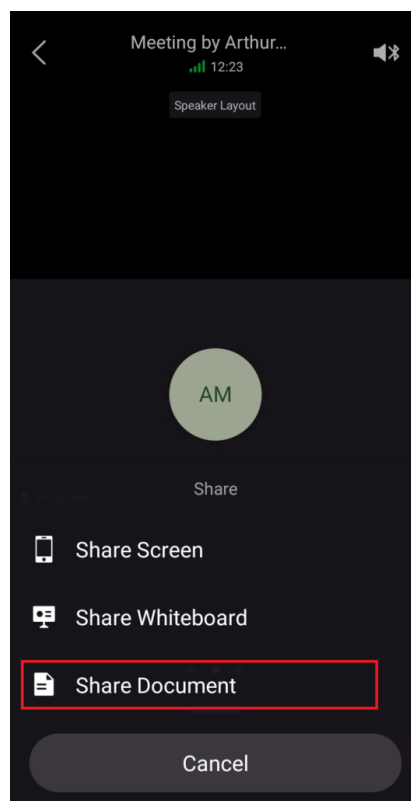
↶: This is the undo option.

↷: This is the recovery option.

Share Document

Share Document is supported in meetings only.

The user can click on the "Share" icon and select "Share Document".



Share Document

Note:

Supports PDF file only, with up to 20 MB



Shared Document

The users can click  button to use annotations on the shared document.



: This option to change the brush thickness and color.

: This is the paintbrush option. It supports different modes: Free, Line, Rectangle/square, Circle, and Arrow.

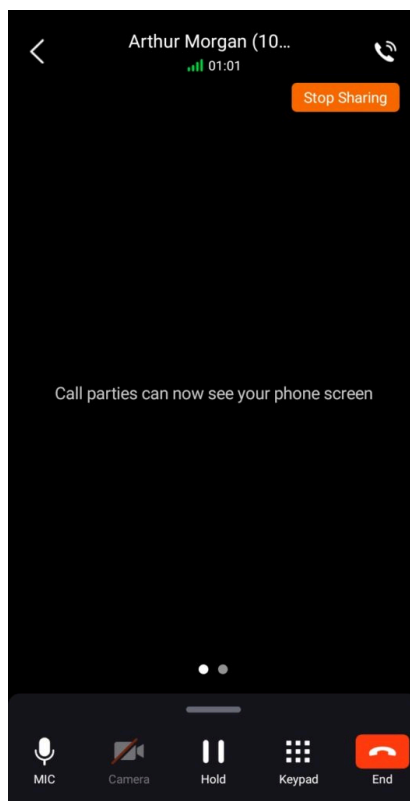
: This is the eraser option.

: This is the empty option to clear all the annotations.

: This option prevents the other participants from drawing annotations at the same time.

Stop Sharing

To end the screen-sharing, please click on .



Stop Sharing

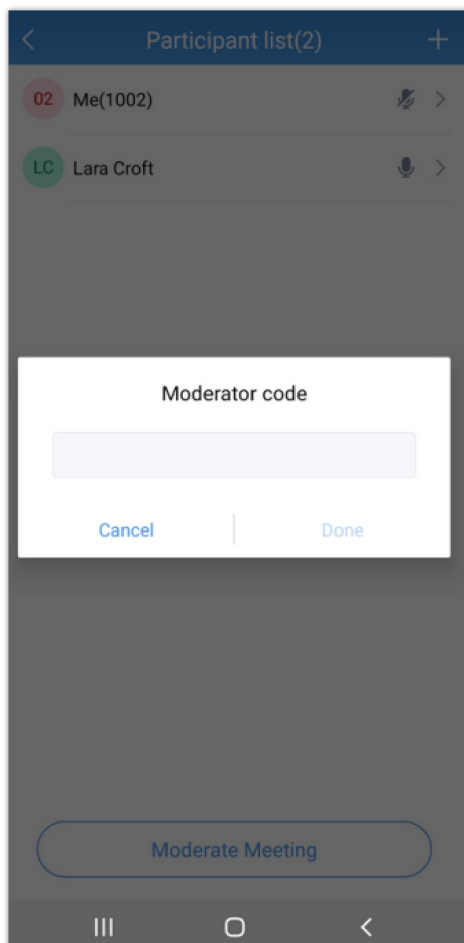
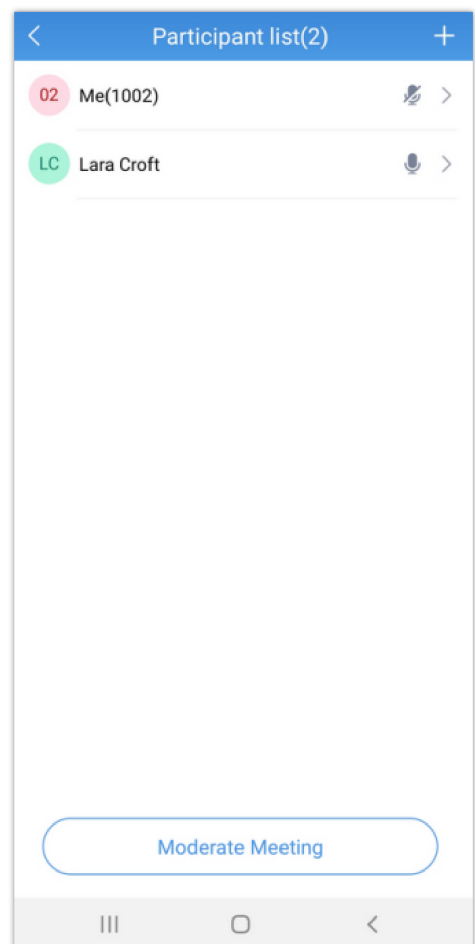
Video Meeting Participants

During a video meeting, click on the button  to view the participant list.

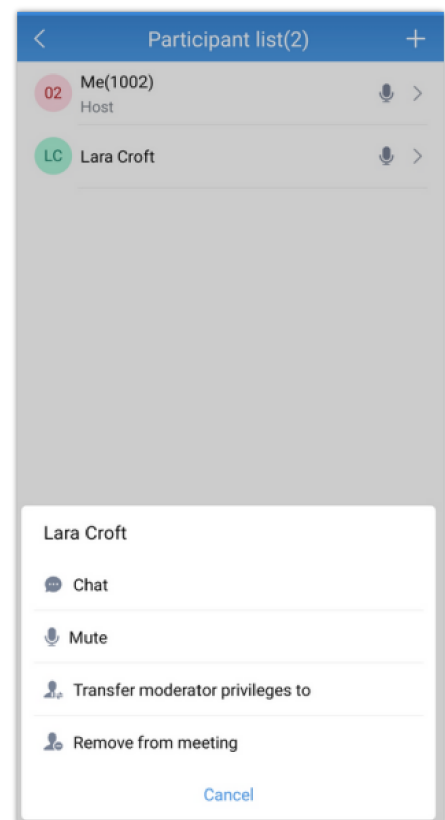
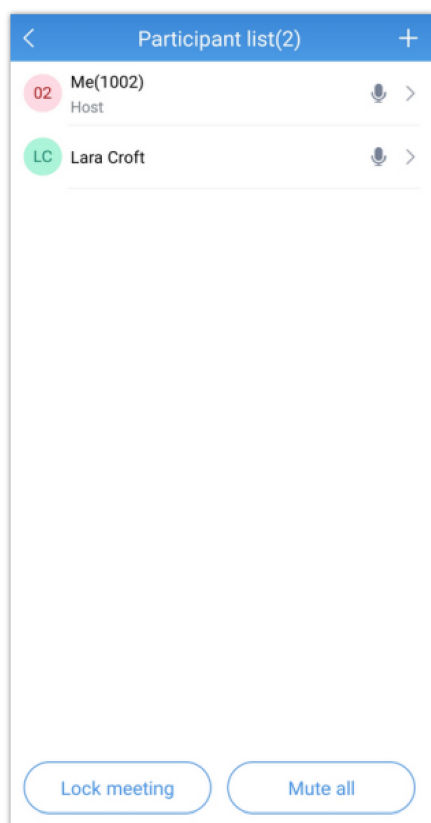
Participants can view the meeting participant list, click on "Moderate meeting" at the bottom, and enter the moderator code to become the meeting moderator.

The moderator can tap on a participant's name to mute/unmute the participant, transfer moderator privilege to the participant, remove a participant from the meeting, chat with participants, lock the meeting, and mute/unmute all participants. During the meeting, the user can also tap on his/her name to mute/unmute or edit their display name in the meeting.

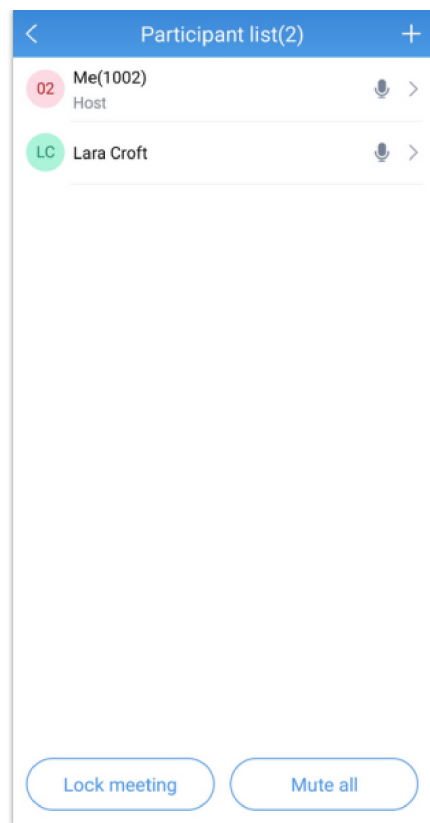
The host can invite members by clicking on the button  in the upper-right corner. The video conference supports inviting participants, sharing a link invitation, and scanning a QR code to join the meeting with the Wave app.



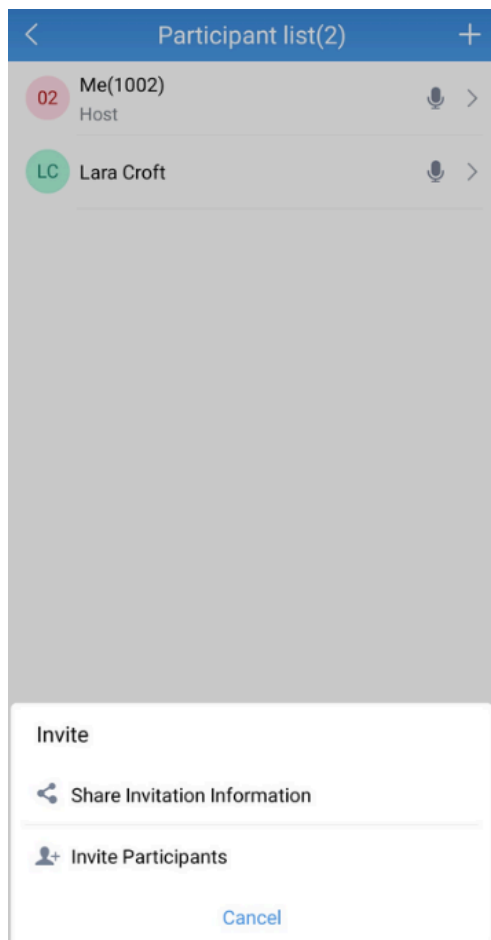
The moderator can tap on a participant's name to mute/unmute the participant, transfer moderator privilege to the participant, remove the participant from the meeting, chat with participants, lock the meeting, and mute/unmute all participants.

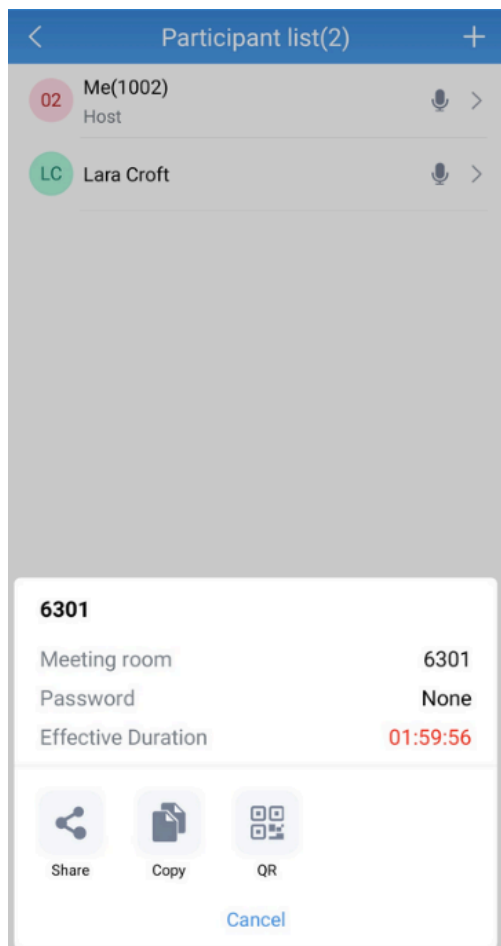


During the meeting, the user can also tap on his/her name to mute/unmute or edit their display name in the meeting.



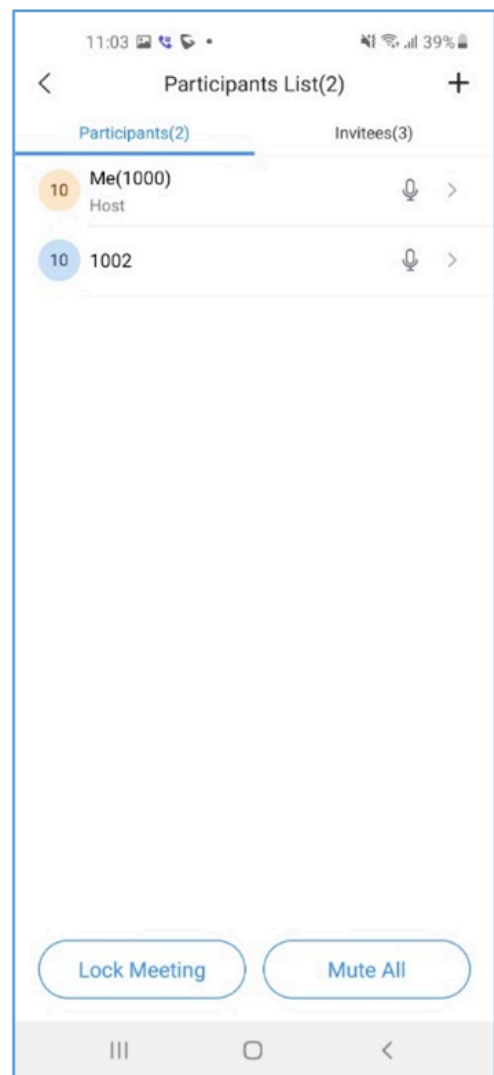
The host can invite members by clicking on the button  in the upper-right corner. The video conference supports inviting participants, sharing a link invitation, and scanning a QR code to join the meeting with the Wave app.





For the Audio/Video Wave meetings, the host can see the invitee's absent list:

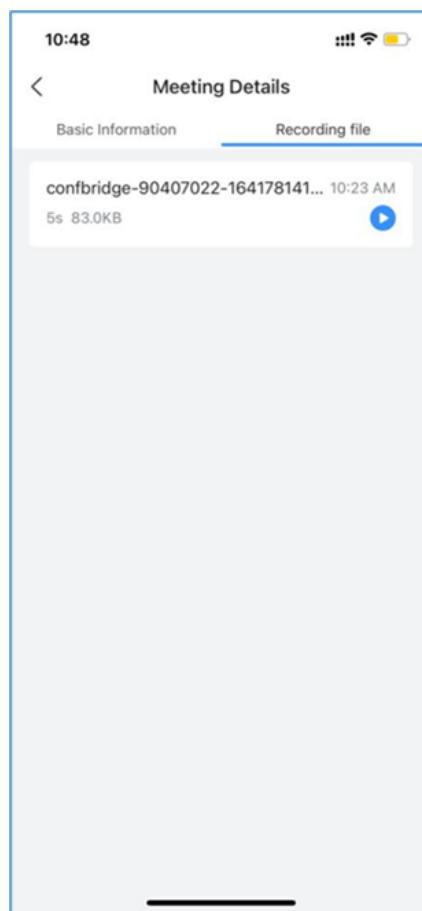
- Only the meeting host can see the invitee's list and can invite them directly from there. For non-host participants, only the participant list is available.
- Applicable to scheduled meetings, instant meetings, and group meetings.
- Definition of absent invitees:
 1. The invitee list contains those invited by email or extension before the meeting.
 2. When a meeting room is available, which is 10 minutes before the meeting schedule, after the host joins the meeting, the host can see the invitee list and participant list. Now the status of invitees will be determined.
 3. The invitee list will display based on attended status and unattended status. An invite button will be available for unattended invitees for the host to click to invite directly.
 4. After the absent invitee joins the meeting, this invitee cannot be invited again (the invite button for this invitee will be in grey, meaning unavailable).
 5. On the invitee list, the invitee's status (whether available or busy) needs to be shown.
 6. If there is no invitee before the meeting, the invitee list will not show.
- After the host transfers host privilege, the new host can see the invitee list and invite as needed.
- The participant list's status cannot change in real time. The invitee list is based on whether the invitee joins the meeting before, not based on the current participating status. For example, if invitee A joins the meeting and exits after he/she is done with the meeting while the rest are still in the meeting, the invitee list should display he/she as an attended invitee.





Record an Ongoing Meeting

The meeting host can start recording the meeting after it has started. When the meeting has ended, the meeting host can view the recording files on the Meeting Details interface.

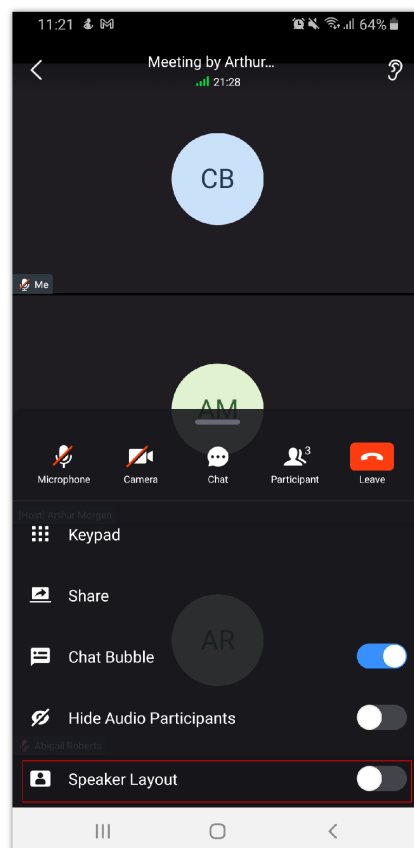


Note

If the meeting does not support video, only audio will be recorded.

Speaker Layout

Enabling speaker layout will allow only the speaker's video feed to show on the screen during a meeting. To enable this, please see the screenshot below:



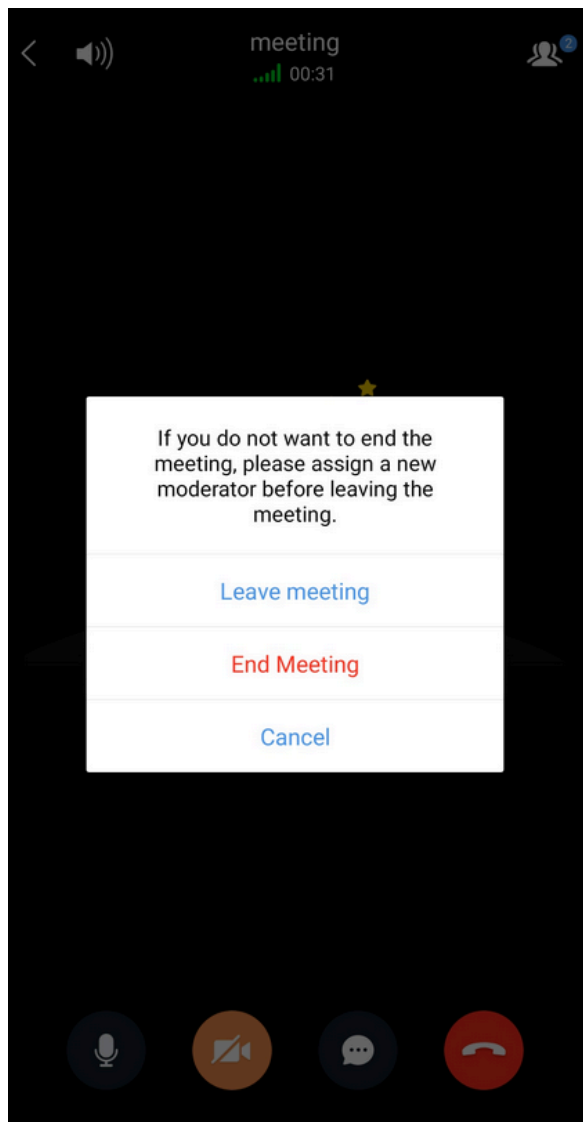
End Meeting

◦ Virtual Meeting

If the moderator clicks  , during the meeting, the moderator will be prompted to select whether to end the meeting or leave the meeting.

- **Leave meeting:** Leave the meeting without ending it. The other participants will remain in the meeting room.
- **End meeting:** End the meeting. All participants will be disconnected from the meeting room.

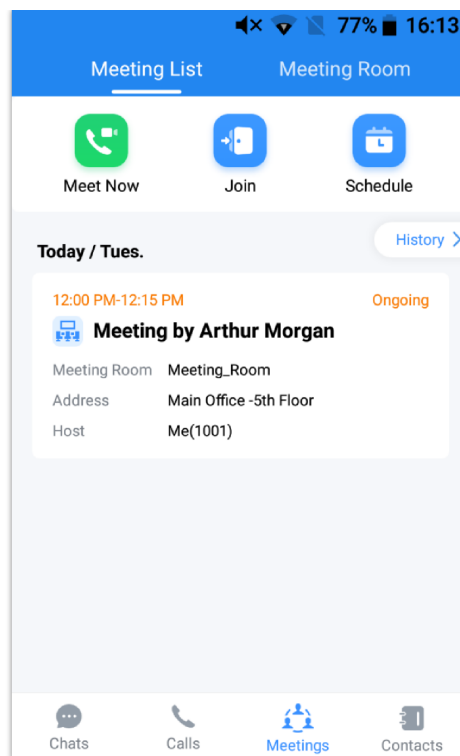
On the meeting list, the meeting creator can click  button to end the meeting that is currently in progress. Then, the meeting will end directly.



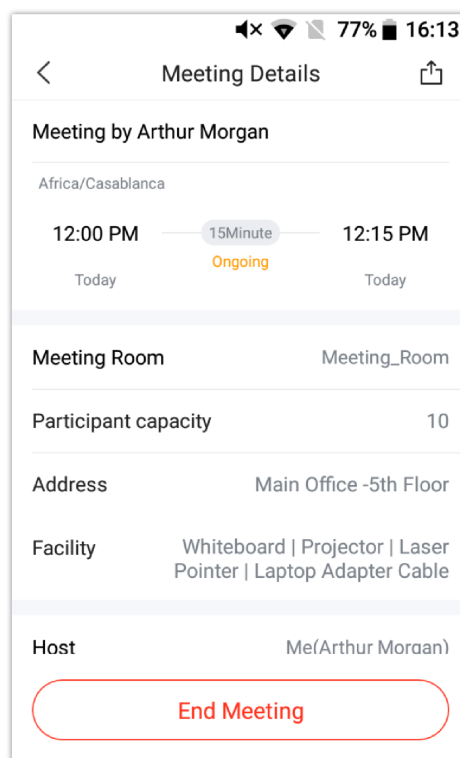
◦ Onsite Meeting

To end an on-site meeting, please navigate to the "Meetings" tab and select the meeting that you want to end. You can either end an ongoing meeting or a scheduled meeting that has not started yet.

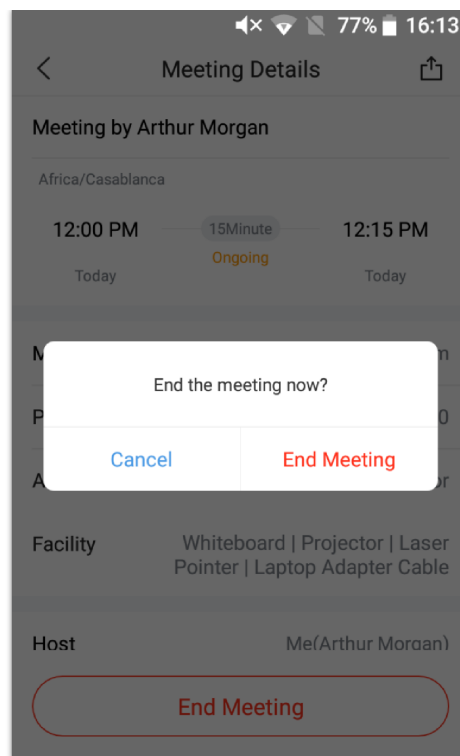
Step 1: Tap on the meeting that you would like to end.



Step 2: Click on “End Meeting”.



Step 3: Confirm that you want to end the meeting.



Note

- If there is only one participant in the meeting, and the total duration of the meeting reaches 30 minutes, the specific participant will be prompted whether to continue the meeting, or create a group chat after successfully scheduling the meeting. Messages created during the meeting will be automatically synced to the group after the meeting.

The single meeting will end after 5 min. [Extend](#)

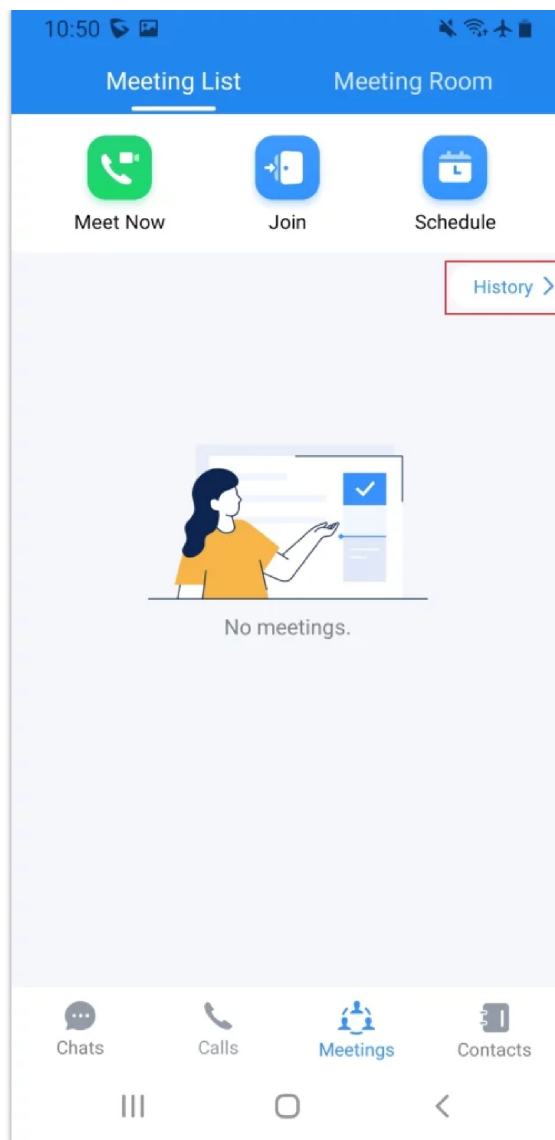
- When the meeting duration is about to reach 12 hours, and the meeting host is still in the meeting, the meeting interface of the host will prompt whether to extend the meeting. The meeting host can click to extend the meeting for another 12 hours. The meeting can only be extended once. After another 12 hours, the meeting will end. If the meeting host is not in the meeting, the meeting will end when the meeting duration reaches 12 hours.

Restart Meeting

The meeting creator can reopen a previously hosted meeting directly via the Wave application. Upon reopening, all original participants are automatically invited, and the creator is immediately redirected to the meeting interface.

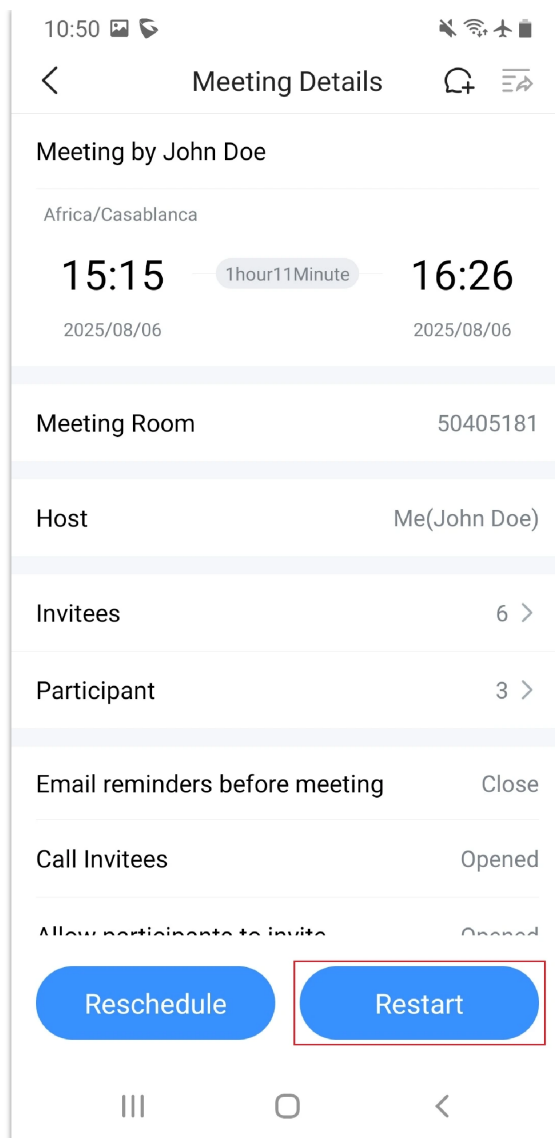
This differs from the **Reschedule** option, which opens the schedule meeting interface to create a new meeting instance.

1. Navigate to the **"Meetings"** tab, and click on **"History"** to access the meeting history list.



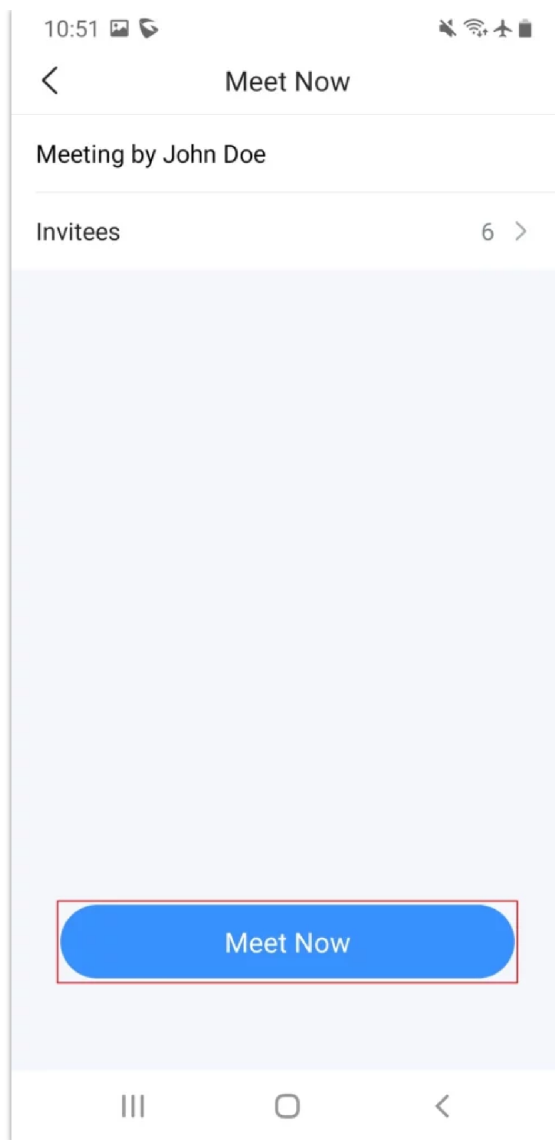
Wave Meetings Tab

2. Locate the ended meeting, open it, and click "**Restart**".



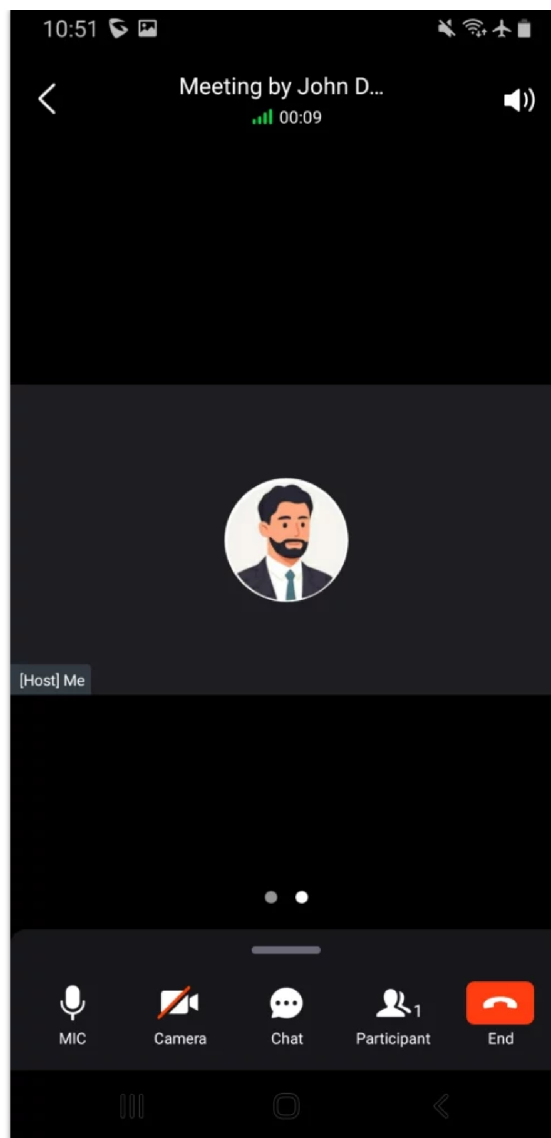
Restart Ended Meeting

3. Confirm the action by clicking the "**Meet Now**" button.



Confirm Meeting Restart

4. After reopening, the creator is directed to the instant meeting interface.

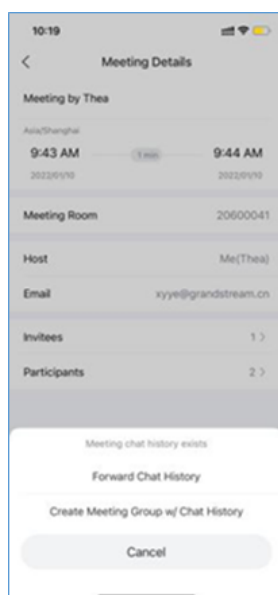


Meeting Started

5. The participants from the original meeting will be automatically invited once the meeting is reopened.

Create a Chat Group After The Meetings

After the meeting has ended, only the meeting organizer can create a chat group from the Meeting Details interface. The chat group will include the members who participated in the meeting. The meeting's host can click the "More" button to choose "Forward Chat History" or "Create Chat Group and Forward Chat History". Please see the screenshot below:

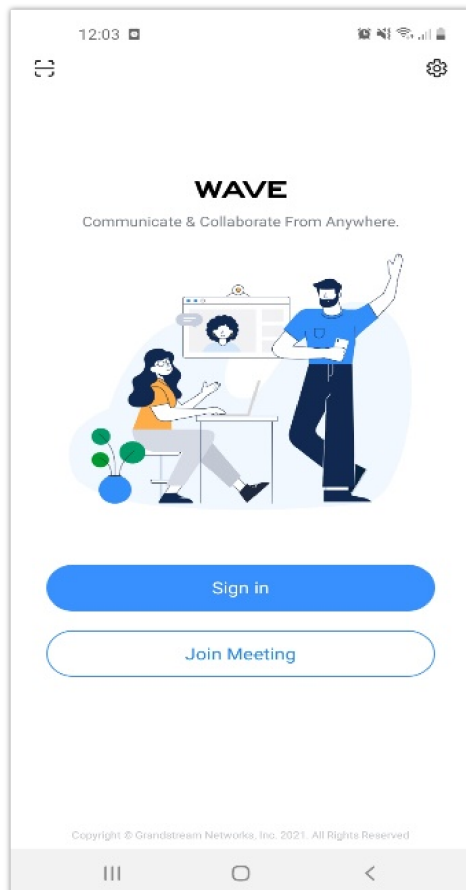


Join Meeting via Link

Users who do not have UCM extensions to log in to the Wave app can join a meeting via a link.

There are two methods to join a meeting via a link:

1. Scan the QR code from the meeting invitation email or provided by the meeting host to join the meeting.
2. Tap on the **Join meeting** button and enter the required information. By default, meeting invitation emails also provide a link to join the meeting. Opening the link with the Wave app will automatically fill in the *Meeting URL* field.



12:44

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Meeting URL

Name

Password (Optional)

Enter host code to host meeting.
Enter password to join meeting if password is required.

Join Meeting

If you have not installed it on your phone, then you can join the meeting through your phone's browser. Please make sure that you possess the following prerequisites to join the meeting.

Requirements:

- Operating System: Android™ 4.2+, iOS™ 14.4+
- Mobile Browser: Google Chrome, Firefox, Safari, Microsoft Edge, and embedded browsers supporting WebRTC in mainstream applications.

18:22

Meeting Details

Meeting by Arthur Morgan

Africa/Casablanca

19:15

30Minute

19:45

2024/09/05

2024/09/05

Meeting Room

30202041

Host Code

2378

Host

Me(Arthur Morgan)

Email

morgan.arthur@email.com

Invitees

0 >

Email reminders before meeting

60Minute

Call Invitees

Cancel

Cancel Meeting

Edit

III

O

<

Meeting Related Details

18:23

Meeting Details

Meeting by Arthur Morgan

Africa/Casablanca

19:15

30Minute

19:45

2024/09/05

2024/09/05

Meeting Room

30202041

Meeting by Arthur Morgan

🕒 2024/09/05 19:15-19:45 (Africa/Casablanca)

🆔 30202041

🔒 None

👤 Me(Arthur Morgan)

🔗 Share

📄 Copy

📱 QR

Cancel

III

O

<

Share Meeting Link

Instruct the invitee to use **Remote Link** to join the meeting if they are located in a remote network.

Note

Please note that for the remote link to function properly, the UCM6300 Series device should have RemoteConnect configured correctly.

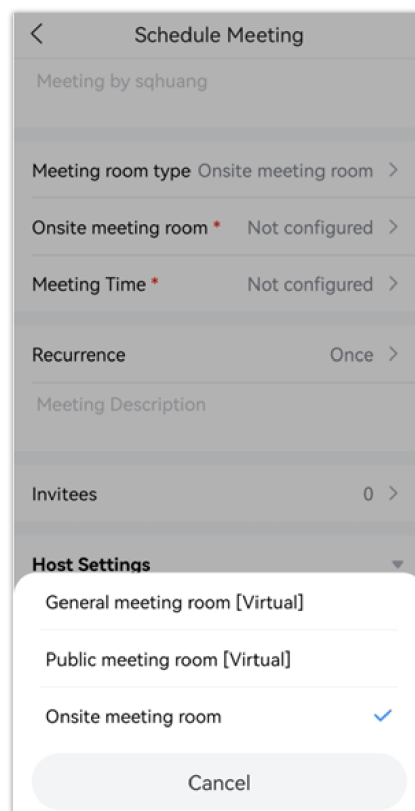
Important

While using Wave on your mobile phone, please be advised of the following limitations:

- In case the host has video enabled, you will be able to see the host's camera feed only, not other participants.
- If there is a screen-sharing session ongoing, you will only be able to see the screen share. You can zoom in and zoom out the screen share as desired. If a whiteboard/document is being shared, you will not be able to see it.
- You can mute and unmute the microphone as desired.
- You can leave the meeting at any point you wish using the "Leave Meeting button".
- You can turn on/off your phone camera, and you can switch between the front and the rear camera.
- You cannot use other functions like viewing the participants list, chat, or other functions that have not previously been mentioned.

Schedule an Onsite Meeting

Wave users can schedule an on-site meeting. The UCM6300 administrator should add a meeting room first so the Wave users can be able to schedule an onsite meeting.

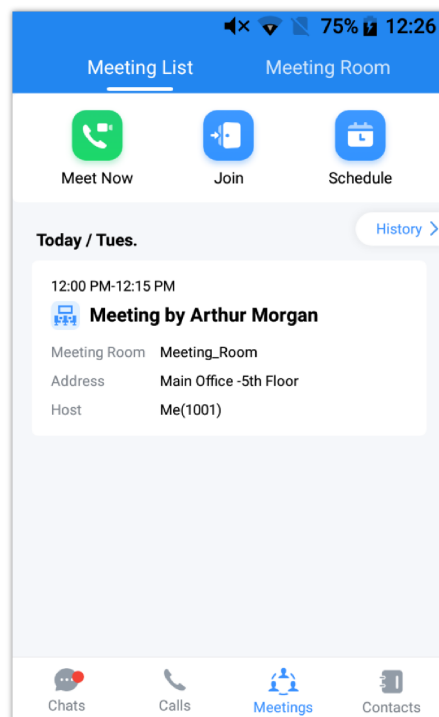


Schedule Onsite Meeting

Background Mode	When the background mode is enabled, the user can still receive incoming calls, messages, and notifications when the application is running at background. It is recommended to enable this if issues are experienced with message notifications and receiving incoming calls.
------------------------	--

Disable Battery Usage Optimization	This allows Wave to use the battery in the background. If this option is disabled, issues like not receiving notifications and incoming calls might not be received.
Enable Background Data	Enable this option to allow Wave to use data in the background. Disabling this will prevent any messages or calls to be delivered when Wave is on the background.

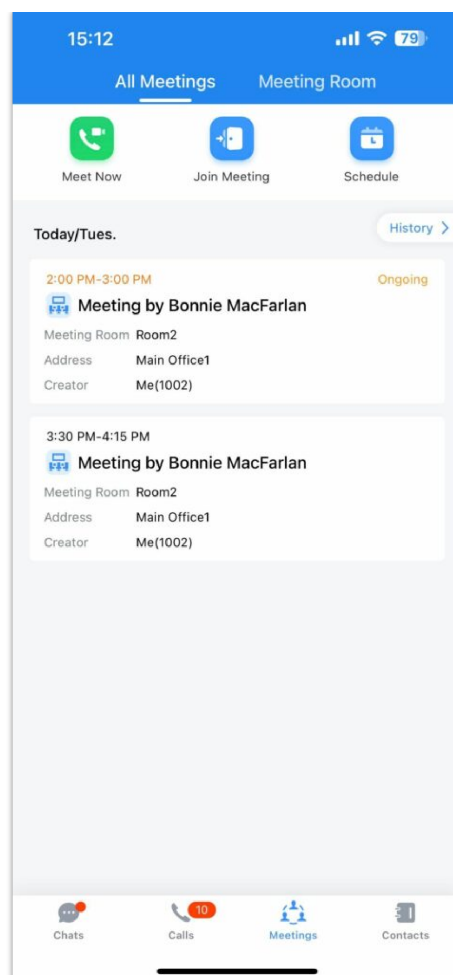
Once the meeting has been scheduled, it will appear in the list of pending meetings as shown in the screenshot below:



Scheduled Meetings

Meeting List

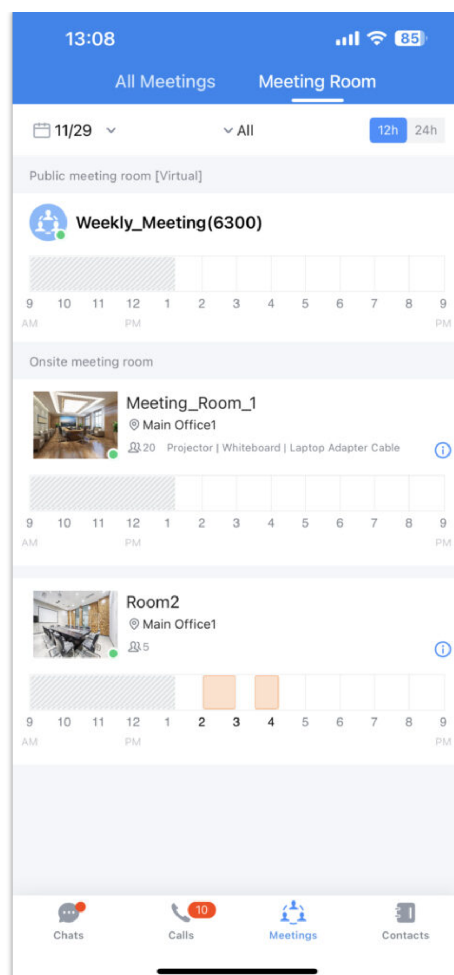
All the meetings that have been created in the UCM can be viewed in the **Meeting List** (This includes the virtual and onsite meetings).



All Meetings Wave Mobile Client

Meeting Room

All the rooms that have been created in the UCM (this includes the virtual and onsite meeting rooms) can be viewed by going to the Meeting tab, then tapping the **Meeting Room** tab.

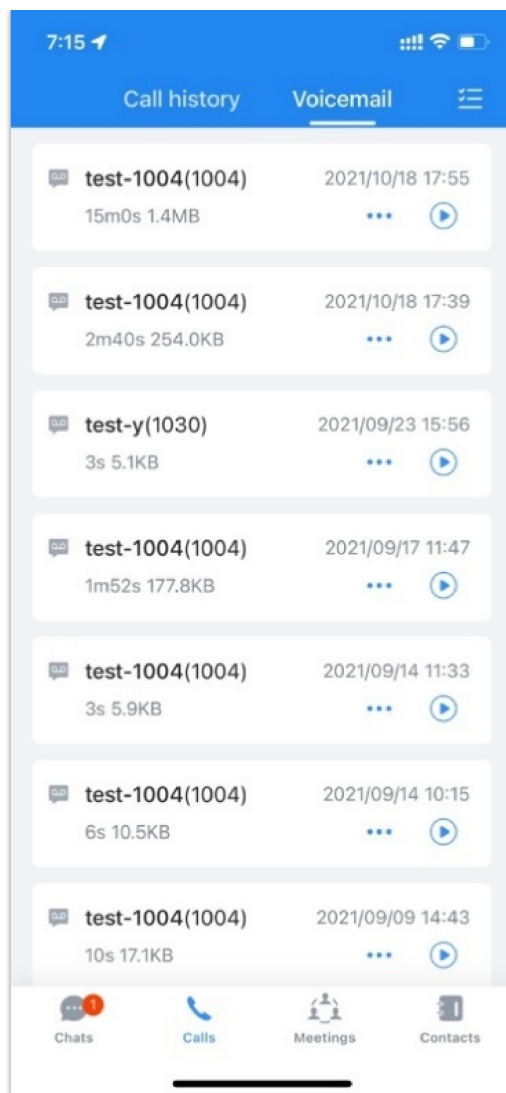


Onsite Meeting Room

VOICEMAIL

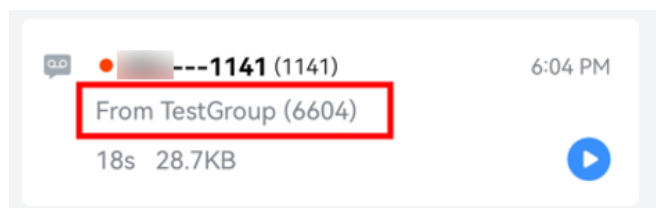
In the **“Voicemail”** module, users can check all voicemail received by the account, including common voicemail and urgent voicemail.

Users can view and play all voicemail in the Voicemail menu, and users can also batch delete voicemail messages. As the screenshot shows on the right side:



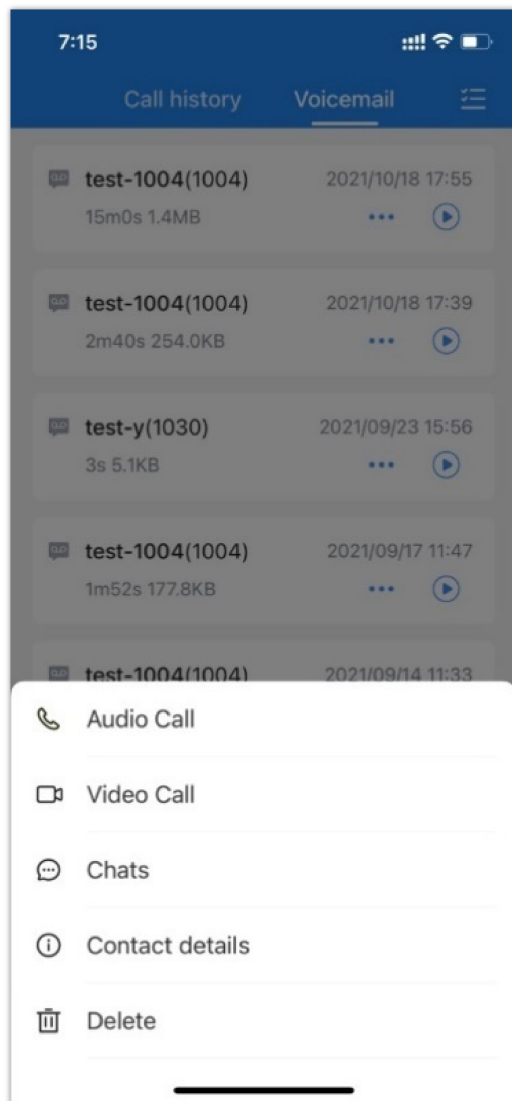
Voicemail

If you are viewing a voicemail from a voicemail group, you will be able to see the name of the voicemail group from which the voicemail has been received, as shown in the screenshot below.



Voicemail Group Name

In the Voicemail menu, the user can select 1 voicemail message and click the **...** button to select to make an audio/video call or send a chat message to the voicemail sender. As the screenshot shows on the right side:



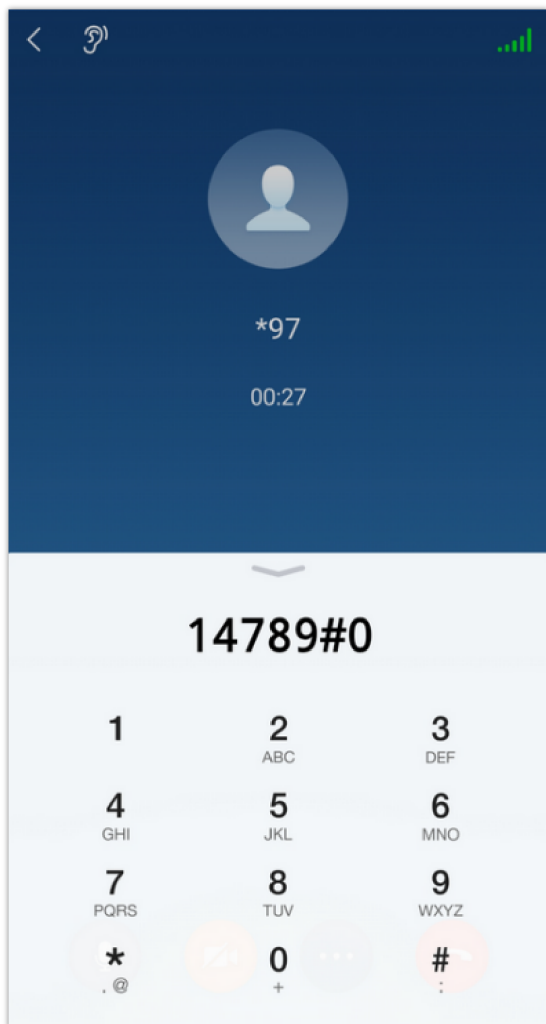
Voicemail Context Menu

To access the extension's voicemail:

Step 1: Bring up the dial pad to enter the voicemail access feature code for the registered user's personal voicemail box (*97 by default) or another extension's voicemail box (*98 by default).

Step 2: Tap on the  icon and select the "DTMF" option.

Step 3: Enter the DTMF keys to access the voicemail and listen to the messages.



Wave Mobile Dial Pad

Note

Please contact the UCM admin or service provider to obtain the voicemail password if needed.

CONTACTS

There are two types of contacts that Wave can display.

Enterprise Contacts: These contacts are the extensions that are registered on the UCM.

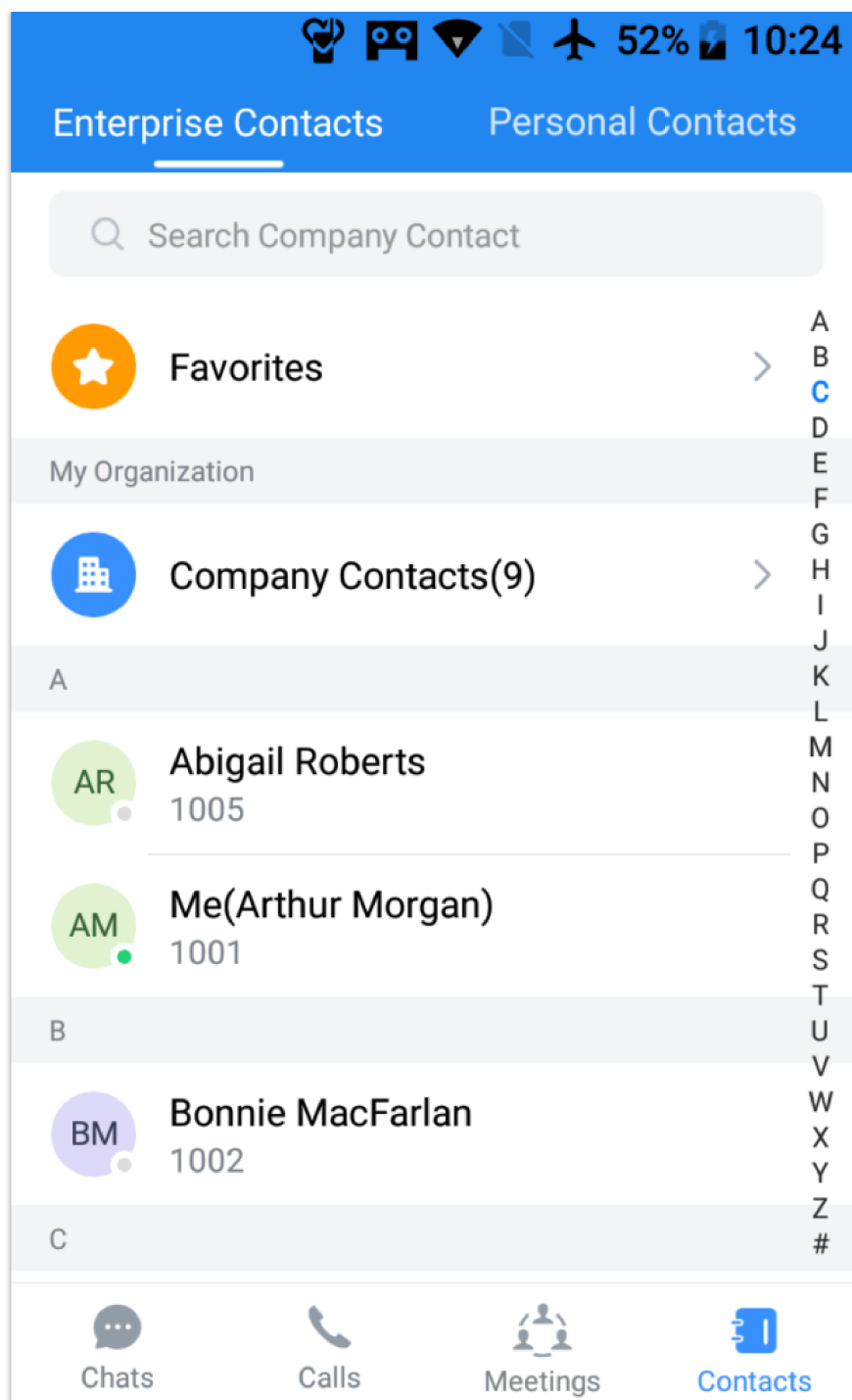
Personal Contacts: These are the contacts that the user has added to Wave.

Phone Contacts: These are the contacts that are registered on the phone.

In the Wave app, click on  to display contacts as the screenshot shows on the right side: In the Wave app, users can click the "Contacts" menu to view all contacts, favorites, LDAP contacts, local UCM contacts, and CloudIM contacts.

Note

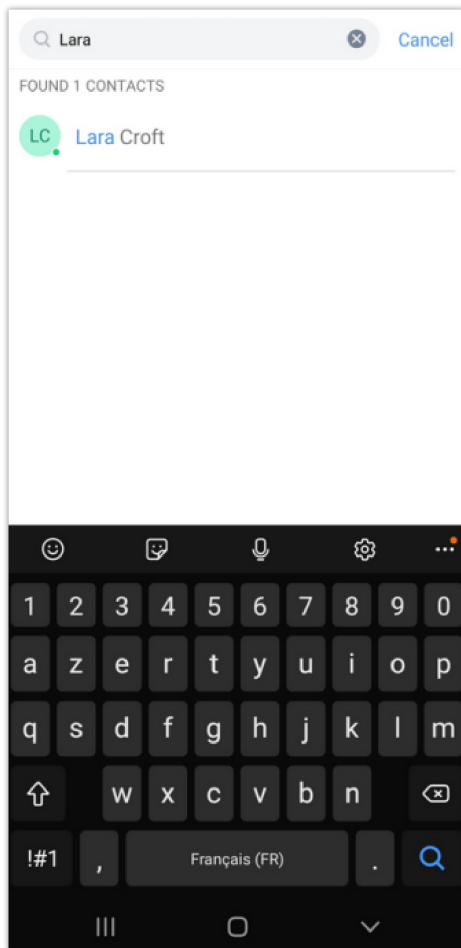
The contacts displayed in the Grandstream Wave web portal contain UCM extensions (based on contact privilege settings), meeting room extensions, and LDAP contacts (based on the UCM's LDAP phonebook settings). (Refer to the UCM User Manual for more details)



Enterprise Contact

Search Contacts

Users can search for contacts in the **Contacts** tab. Tap on the search bar near the top of the app and enter keywords to search. Clicking on a result will bring up the contact details.



Search Contact

Note

Wave mobile application support T9 contact matching.

View Contacts

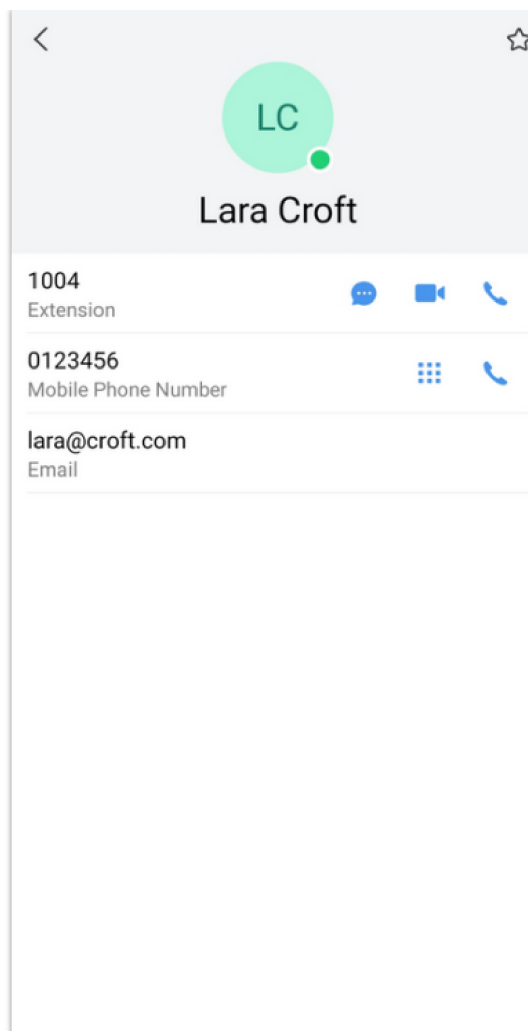
After searching contacts, users can click on the search result to view the details of the selected contact. The following options will be available in the **Contact Details** page:

 : Initiate audio call

 : Initiate video call

 : Open the dial pad to edit the contact's number before dialing

 : Chat with the contact



View Contact

Favorites

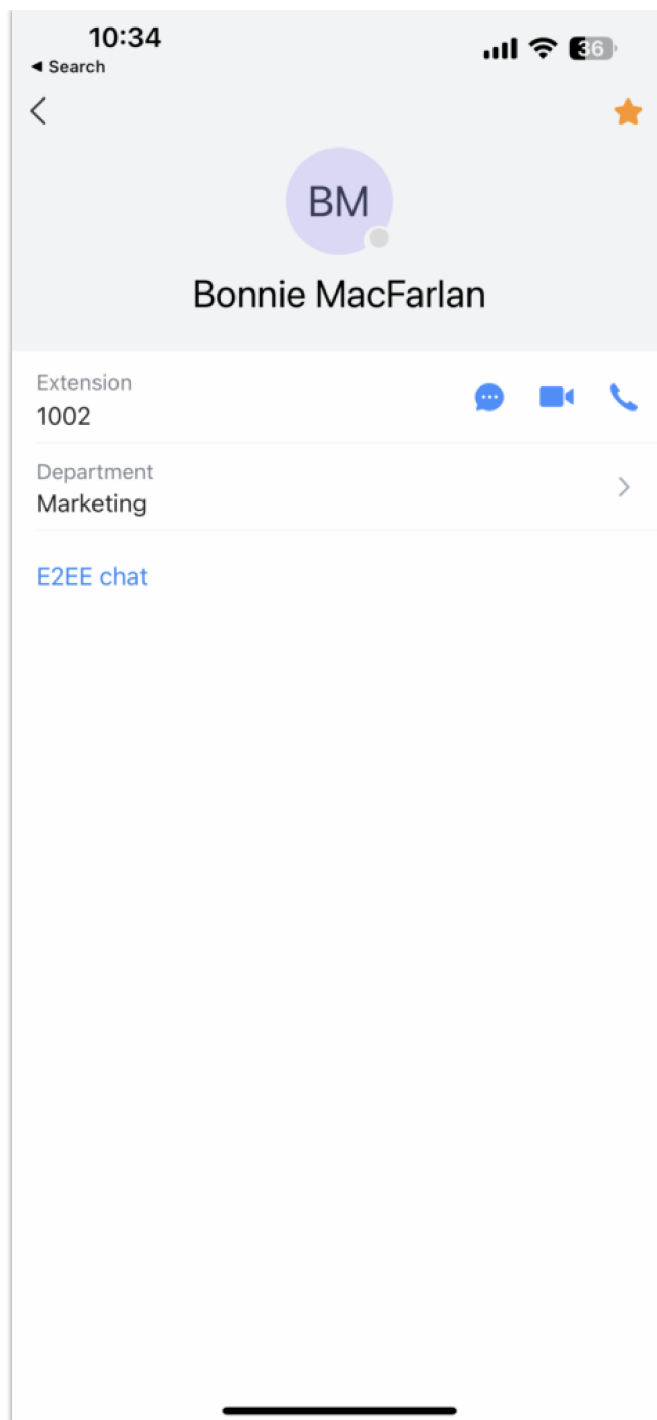
Favorite contacts are displayed at the top of the contact list. There are two ways to add a contact as a favorite:

Method 1: Enter the contact details and follow the steps below:

Click on a contact in the contact list as shown on the right.

Click on the button  at the top right of the interface, and when the button changes to , the contact will be set as a favorite contact.

Click again on the button  to remove the contact from favorites.



Favorite Contact

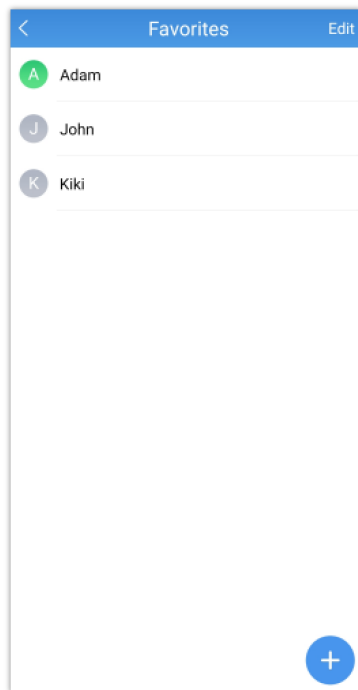
Method 2: Enter the favorites list and follow the steps below to add a contact as a favorite:

Click on the Favorites menu  at the top of the contact list to enter the favorites management interface, as shown on the right.

Click on the button  at the bottom right corner of the interface to enter the contact selection page.

After checking the contacts that need to be set as favorite contacts, confirm by clicking OK to complete the setting.

Note: You can set up to 20 Favorite contacts. Favorite contacts can monitor their BLF status.



Call History

In the Wave app, users can click the **"Call"** menu to view all call history of the current Wave account. Two tabs are available: Call History and Voicemail.

The following icons will be displayed on the left of each entry.



Incoming audio call



Outgoing audio call



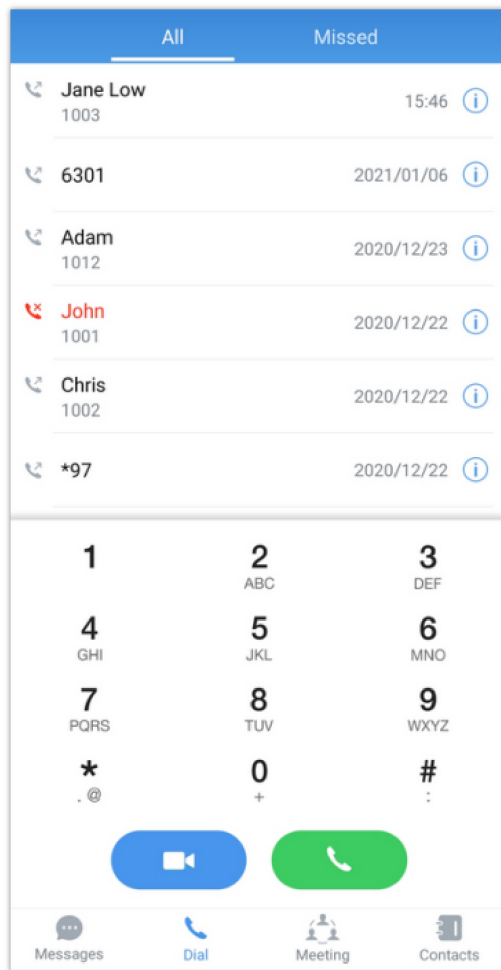
Missed audio/video calls and rejected calls



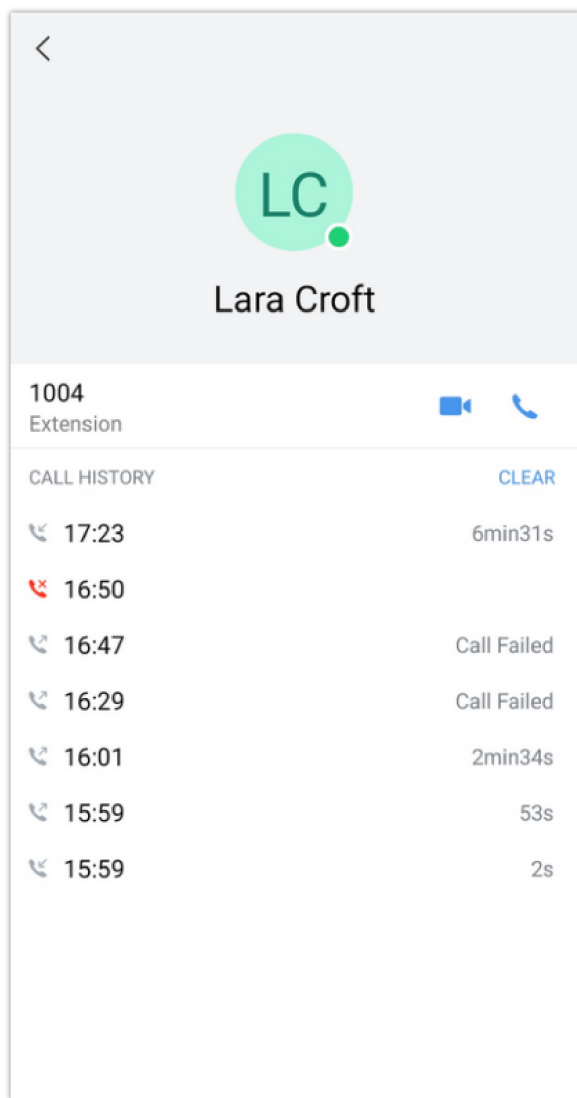
Incoming video call



Outgoing video call



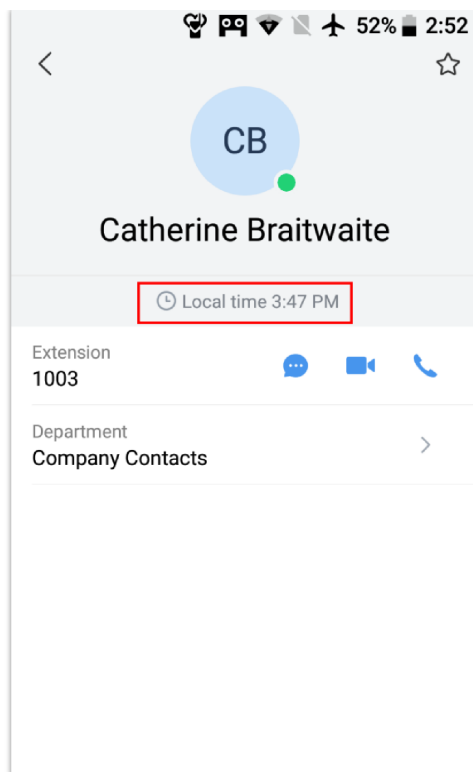
Users can tap on the call history entry to call the number. Users can click any specific call record to view the detailed information of this call, as the screenshot on the right side:



Contact Local Time

When the contact is in a different time zone, the Wave mobile application will display the local time of the contact. Wave can retrieve the contact's time settings from the user's mobile phone to show the correct time zone. If no local time is displayed for the user, then that means that you and the other user are in the same time zone.

To see the local time for a specific contact, please navigate to **Contacts** and tap on the contact to open his/her profile, then the local time will be displayed under the contact's name.



Contact Local Time

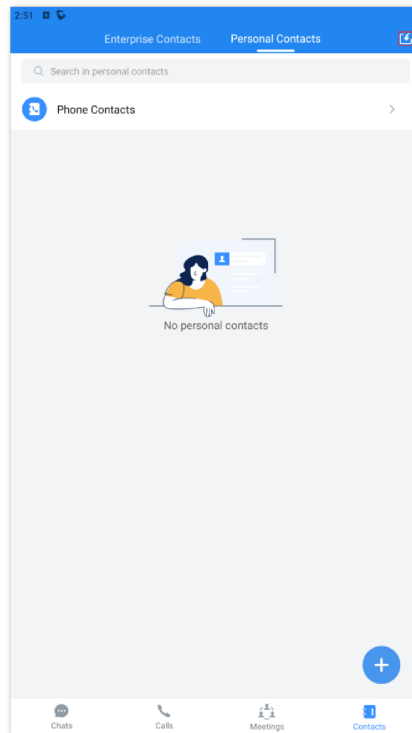
Personal Contacts

Wave allows importing the mobile phone contacts to **Personal Contacts** within Wave, which makes it easier for the user to call other parties using Wave instead of the phone's telephony service itself.

The user can either add contacts manually by clicking on  then add the contact's information in the form, which can be seen in the figure below.

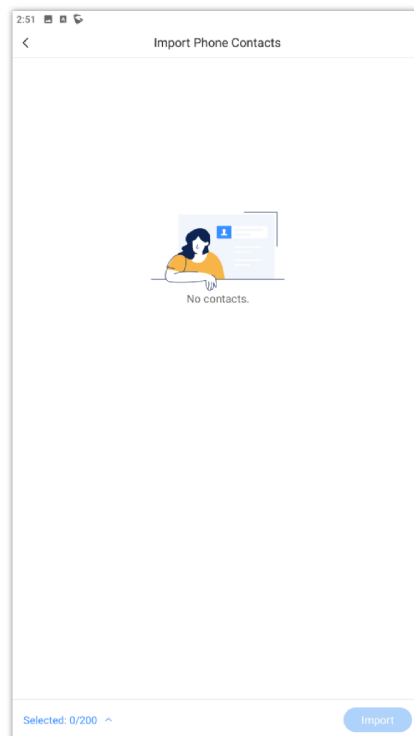
Personal Contact Form

To import your phone's local contacts to **Personal Contacts** on Wave, please navigate to the Contact tab in Wave and click on the import button .



Import Personal Contacts

Select the contacts to import, then tap the "Import" button.



Select Contacts to Import

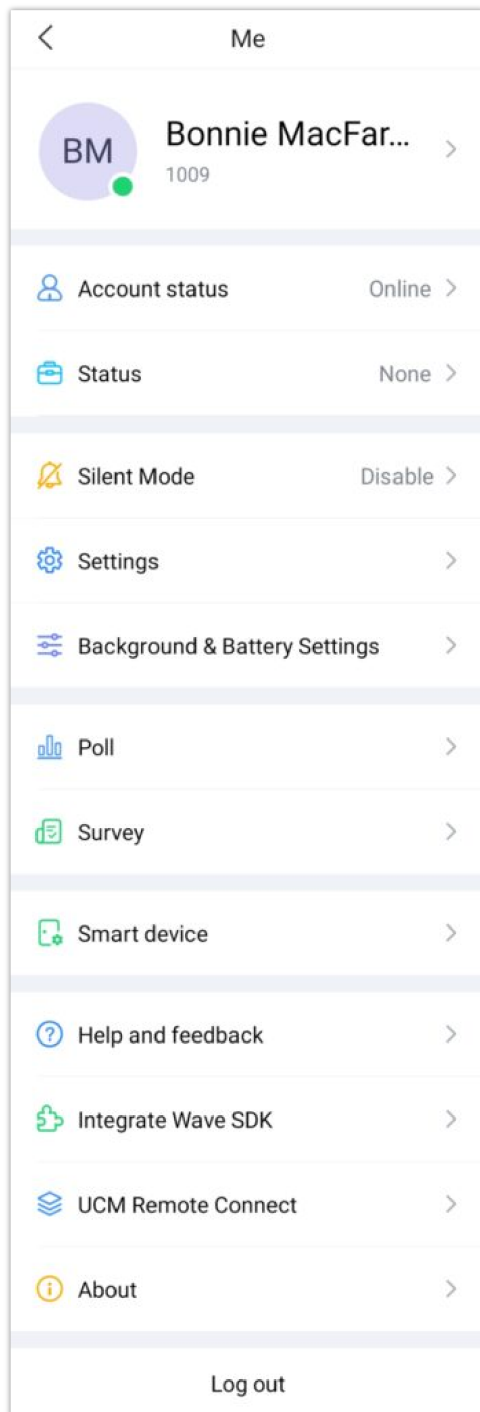
Note

The user can add up to 200 personal contacts.

SETTINGS MENU

Tapping on the **user account** under the Messages window will bring up:

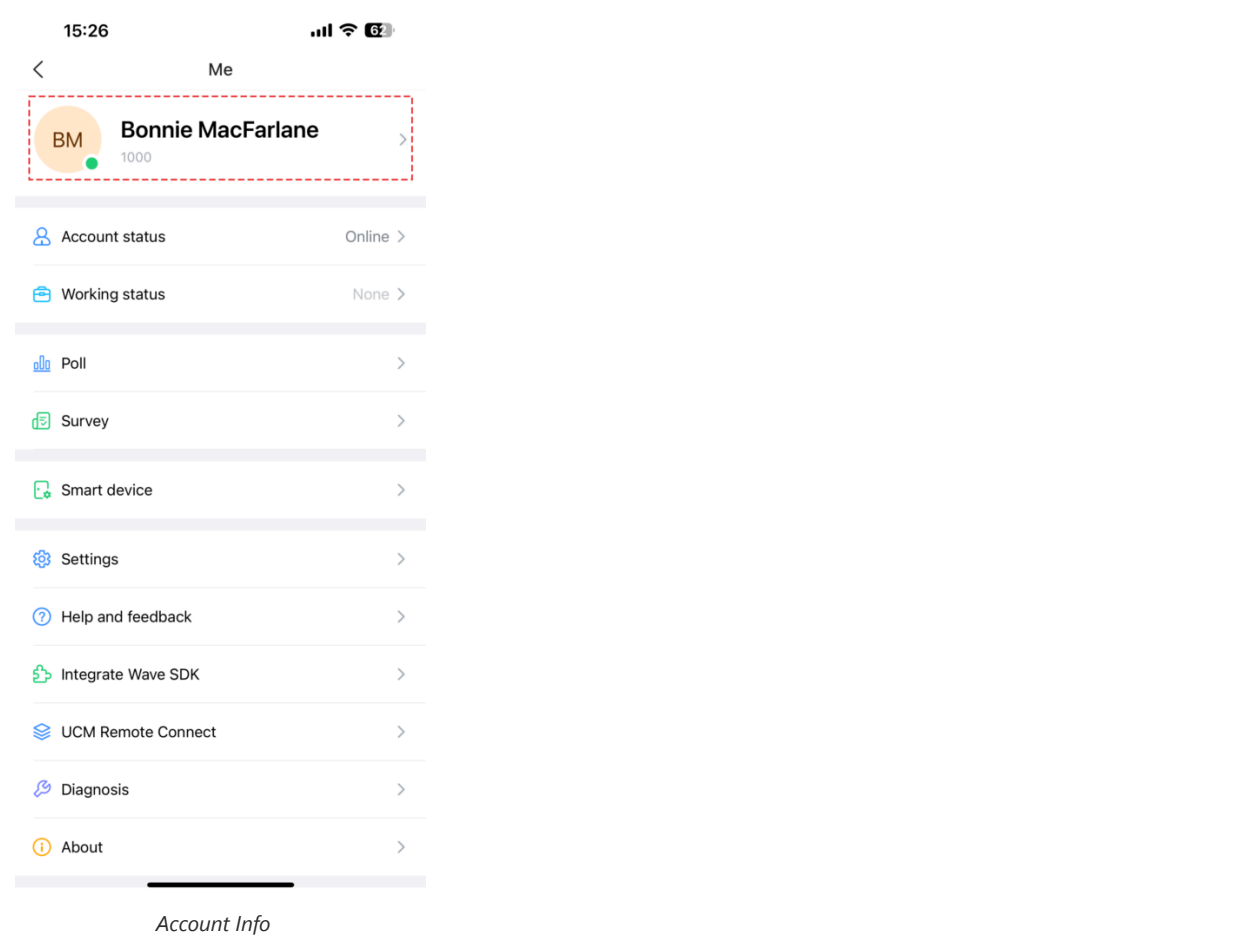
1. **Account Information** page is about the user.
2. **Account Status** and **Status** pages.
3. **Silent Mode, Settings, Background & Battery Settings** pages.
4. **Poll & Survey** pages.
5. **Smart Device** page (Door System & Monitor).
6. **Help and Feedback, Integrate Wave SDK, UCM RemoteConnect**, and **About** pages. Tapping on the *About* option will allow users to bring up details about the Wave app, check for app updates, privacy agreement, help, and export logs for troubleshooting purposes.



Account Info

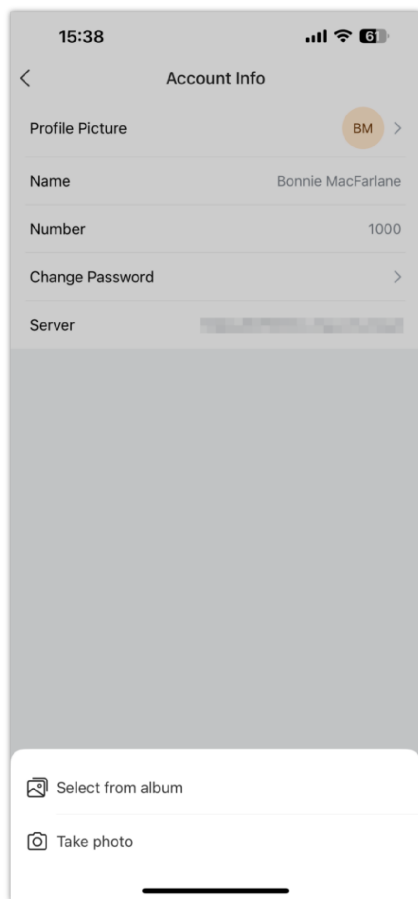
Change Avatar

The **Account Info** page will display a custom avatar, the currently registered account’s name/number, and the SIP server the account is registered to.



The user can select to take a photo or upload a photo from an album as the custom avatar. For the uploaded custom avatar, the user can select to view the details or restore to the default image, as the screenshot shows on the right side:

Note: Custom avatar uploading only supports PNG, JPG, and JPEG files.



Change Avatar

Note

Custom avatar uploading only supports PNG, JPG, and JPEG files.

Account Status

It displays the login status of the Wave account. When the account status is set, it will be displayed in the contacts module and chat module.

The Account Status can be set to Online, Busy, Do not disturb, Away, and Offline:



Online: This is the default account status. The new calls and messages will prompt users.



Busy: The user is busy now, and the user can send and receive new calls and messages normally.



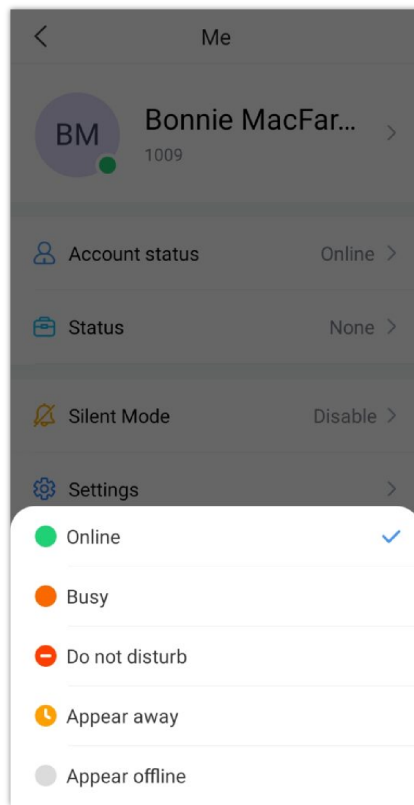
Do Not Disturb: The new incoming calls and messages will be prompted without any sounds, and there is no push notification. The new incoming calls will be ignored, and the new missed call history will be generated.



Offline: The account status will be displayed as offline, but the user can still send/receive calls and messages normally.



Away: The account status will be displayed as away, but the user can still send/receive calls and messages normally.



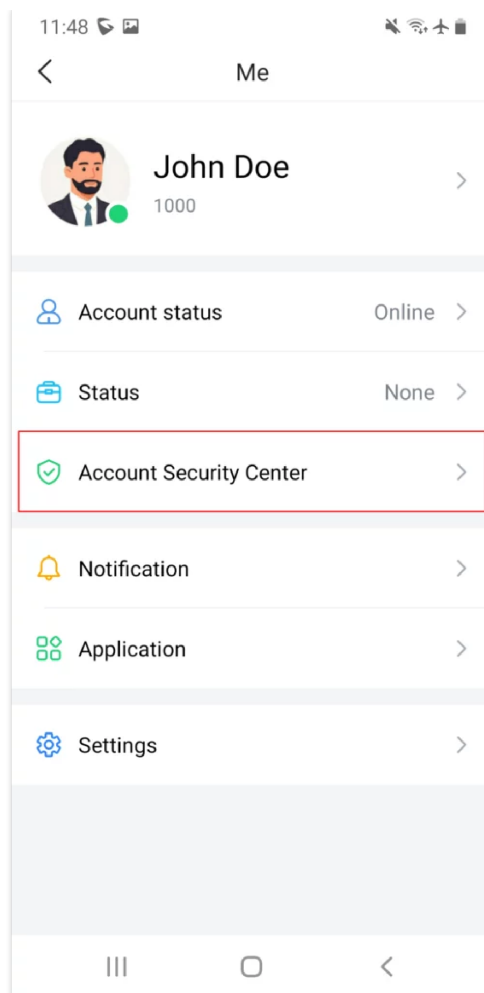
Account Status

Account Security Center

Change Password

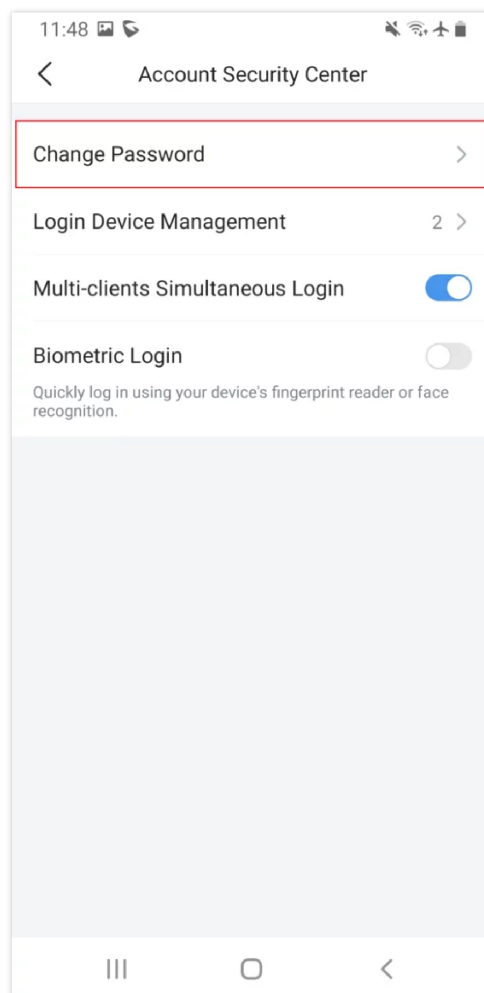
To change the password of your account, please follow the steps below.

1. On the profile options of the user, tap "Account Security Center".

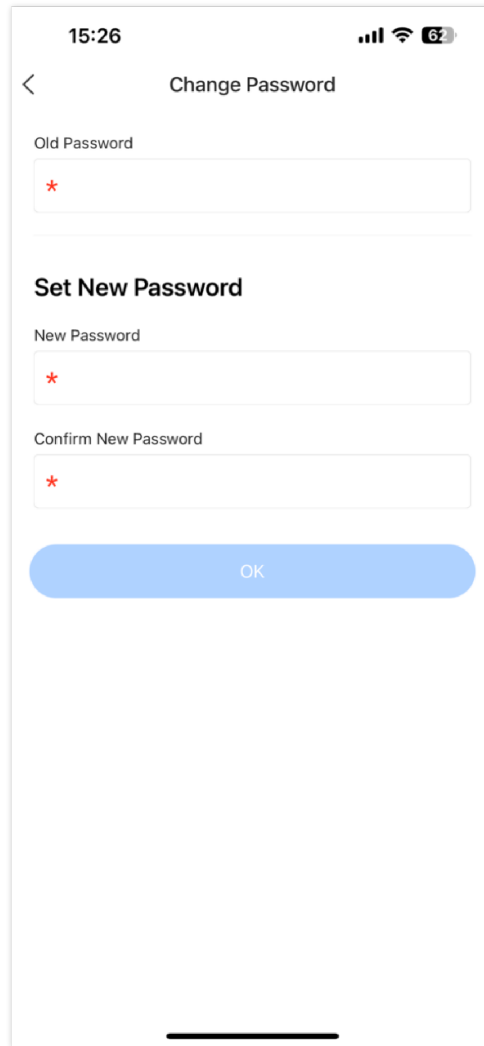


Profile Options

2. Tap on "Change Password"



3. Then enter your old password, then set and confirm the new password by entering it twice in the respective fields.

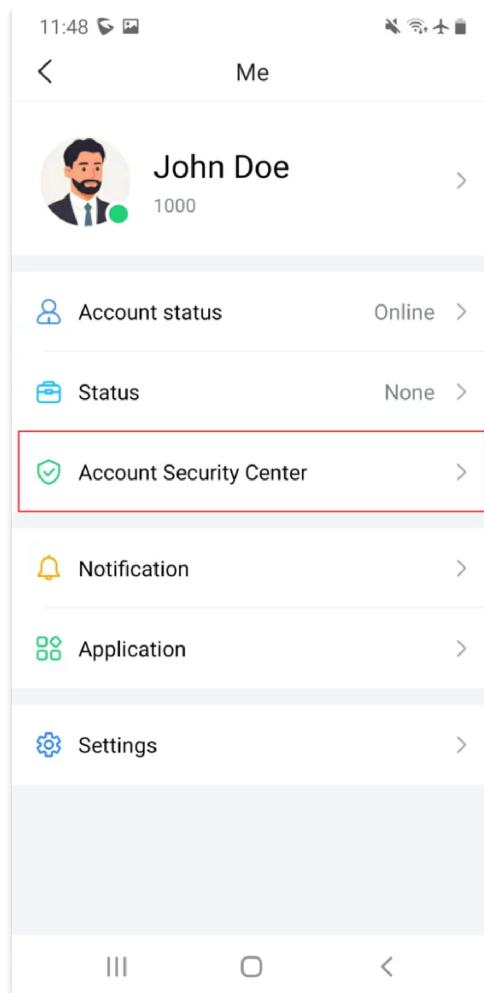


Set New Password

Login Device Management

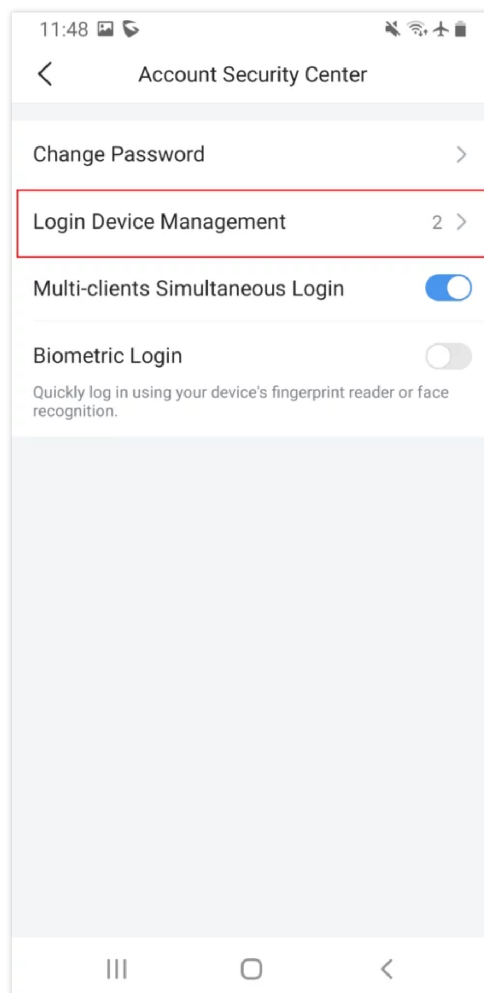
If the user needs to review the sessions that are open on their Wave account. Please follow the steps below.

1. Tap on your profile avatar to open the options related to your profile. Then tap "Account Security Center".

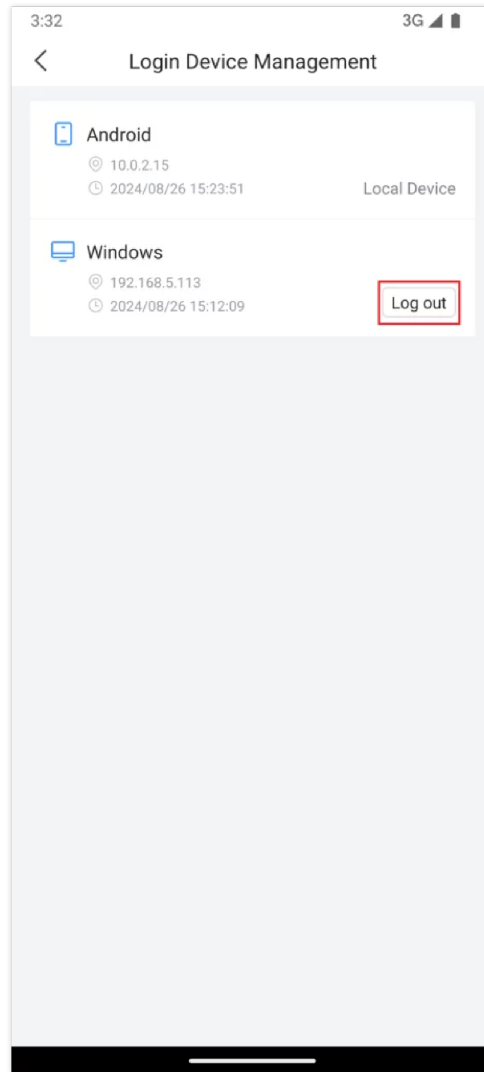


Profile Options

2. Then tap "Login Device Management".



3. The open sessions will be displayed as follows. If you wish to terminate a session, you can tap the button "Log out" and confirm the logout by tapping "Log Out" on the confirmation message.



Log Out

All the sessions, including Wave web, Wave desktop, and Wave mobile sessions, will be displayed under the **Login Device Management** section.

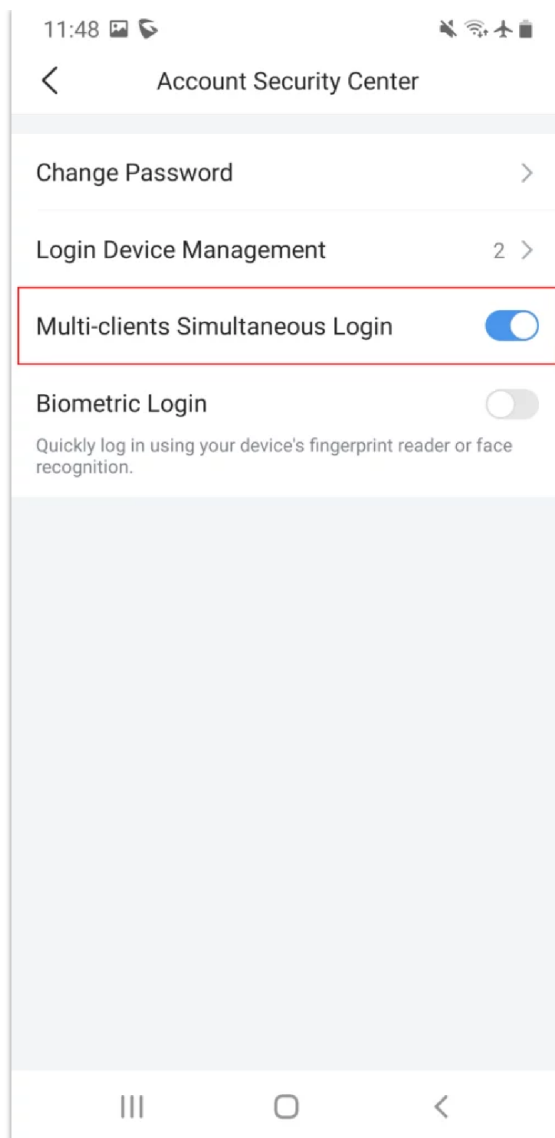
Multi-clients Simultaneous Login

This setting allows users to log into multiple Wave clients of the same type at the same time, for example, being signed in on two different desktop apps or on multiple mobile devices.

If disabled, logging into a second client of the same type will automatically log out the first.

Note:

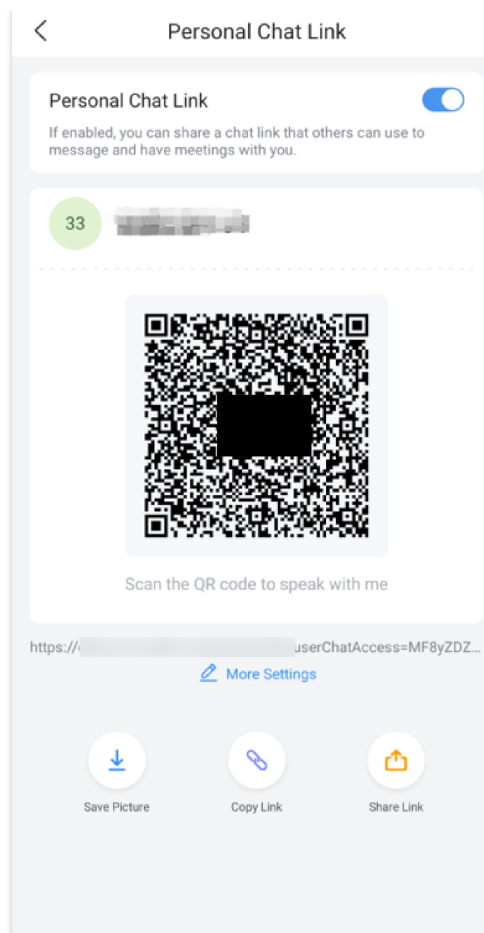
This setting is only available if the UCM administrator has assigned the permission to the extension. If the option does not appear, please contact the system administrator.



Multi clients Simultaneous Login

Personal Chat Link

Wave users can share the personal chat link via email/other platforms with others for communication. External users can open this link through a browser or send a meeting request to the Wave user.



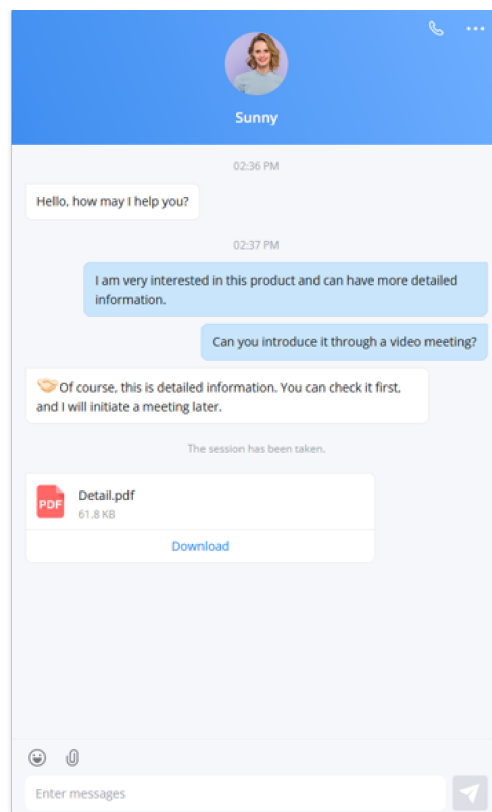
Personal Chat Link

1. The link is valid only when this function is enabled. After it is turned off, the link will be invalid immediately.
2. You can download the QR code and share it with external users
3. You can copy the link to external users.
4. Users can click

[More Settings](#)

change the displayed avatar and name, and support resetting the link or customizing the link address (after resetting, the original link will be invalid).

External users can open this link through a browser:

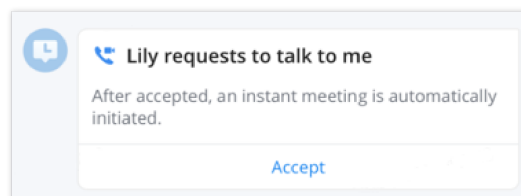


Private Chat

1. External users can open this link using a computer or a mobile browser to chat.
2. External users can send text messages, emoticons, and attachments.
3. Clicking the icon

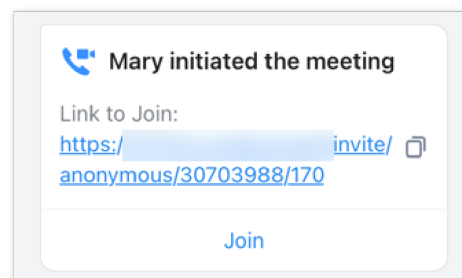


will send a call request to the Wave user, and the Wave user will receive the request as follows:



Meeting Request

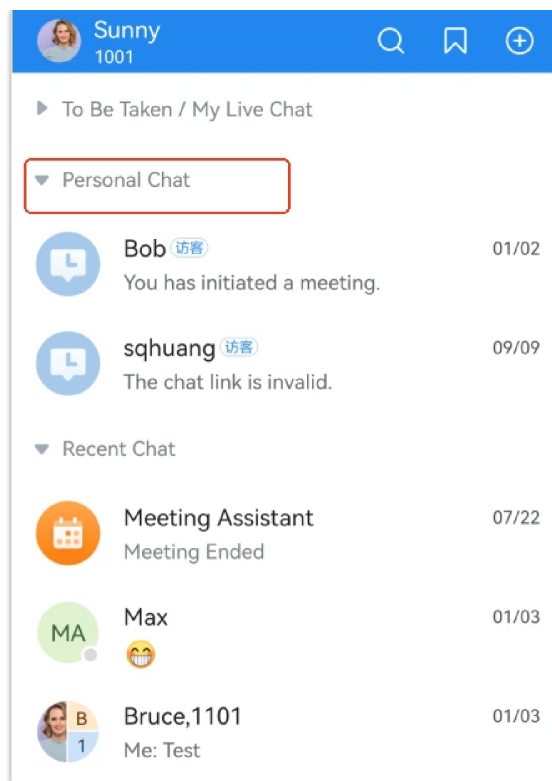
When the user clicks "Accept", an instant meeting is initiated, and the meeting link is sent to external users.



Meeting Initiated

When an external user clicks "Join", they will join the meeting using their current browser.

Personal chats appear as independent chat modules within the Wave interface, separate from other chats.



Personal Chat Module

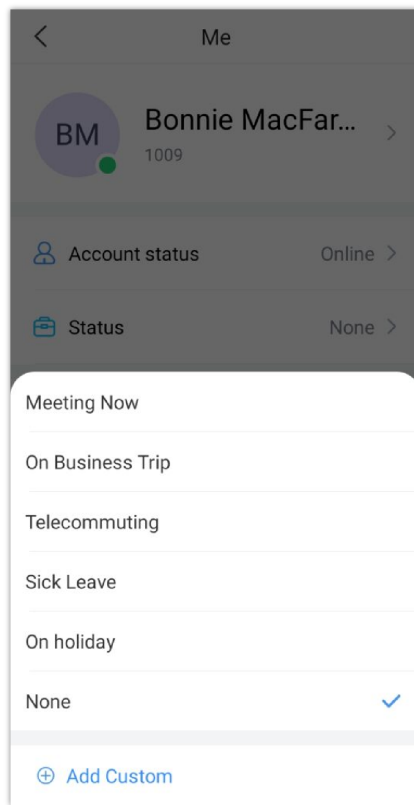
Working Status

It displays the working status of the Wave account. When the working status is set, it will be displayed in the contacts module and chat module.

The working status can be set to:

- Meeting Now
- On Business Trip
- Telecommuting
- Sick Leave
- On holiday
- None
- Add Custom

Note: The custom working status allows users to enter up to 64 characters, and emojis are not allowed.



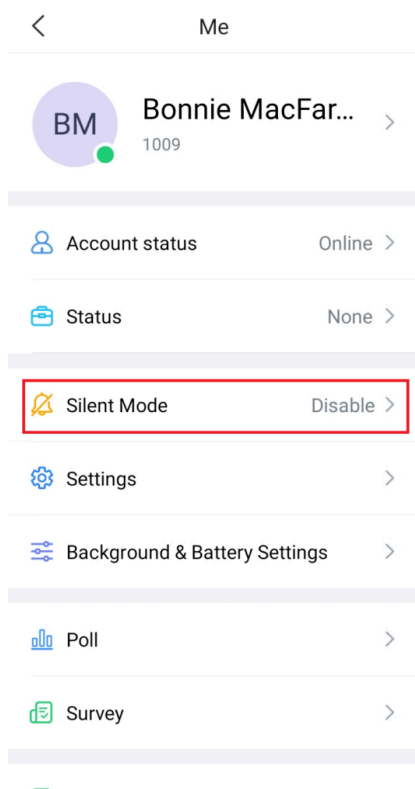
Working Status

Silent Mode

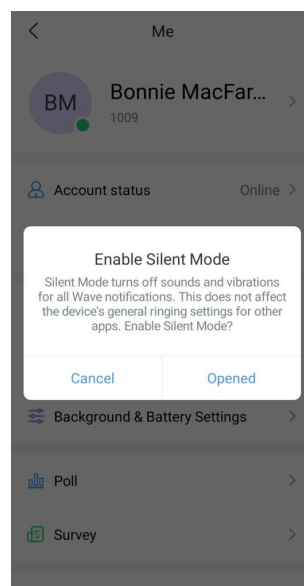
Silent mode allows silencing all the sounds and vibrations prompted by Wave, which includes the vibrations and sounds produced when a call or a message is received. To enable silent mode, please follow the steps below:

Step 1: Tap on your profile picture on the Wave mobile application

Step 2: Tap on "Silent Mode" then click "Opened" to enable **Silent Mode**.



Silent Mode



Enable Silent Mode

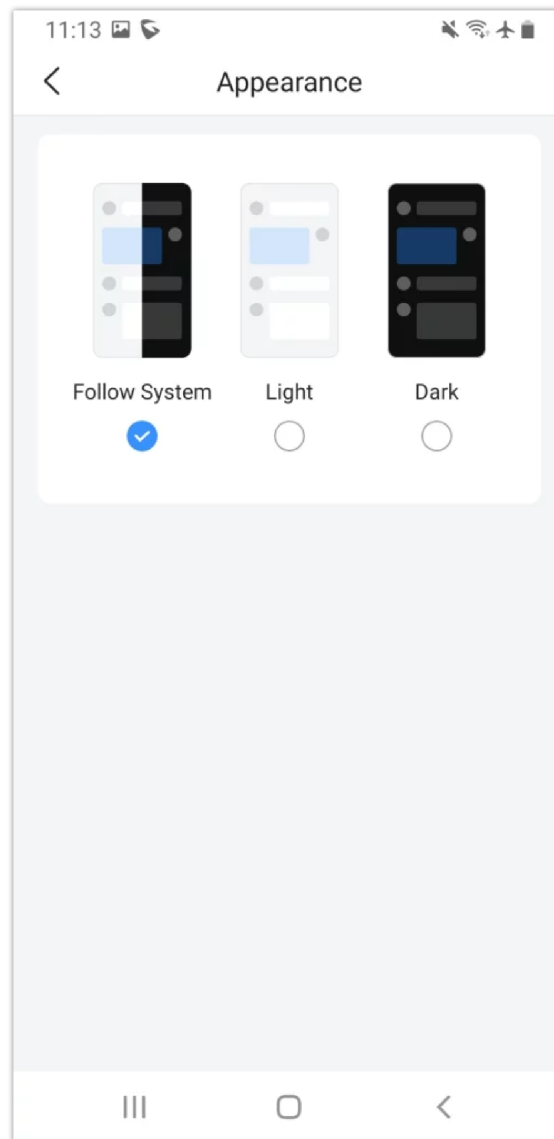
Settings

Display

Appearance

Use this page to customize the app's theme. The user can choose from:

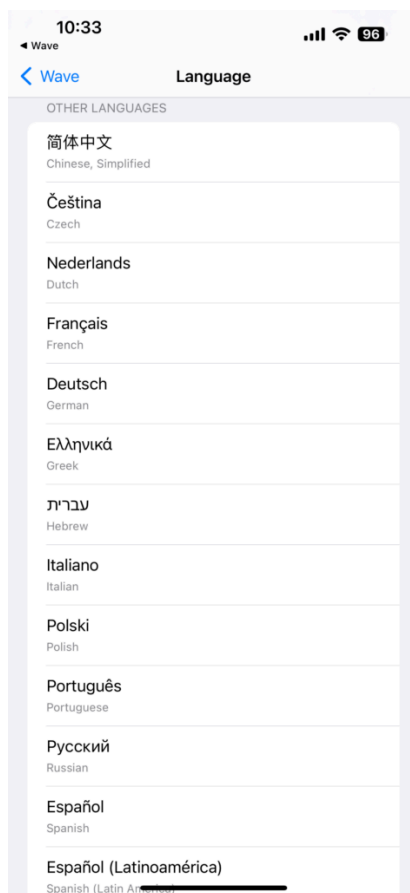
- **Follow System:** Matches the theme of the device's operating system.
- **Light:** Uses a light color scheme for the interface.
- **Dark:** Uses a dark color scheme for the interface.



Appearance Setting

Language Settings

Select the language to use on the Wave Mobile App.

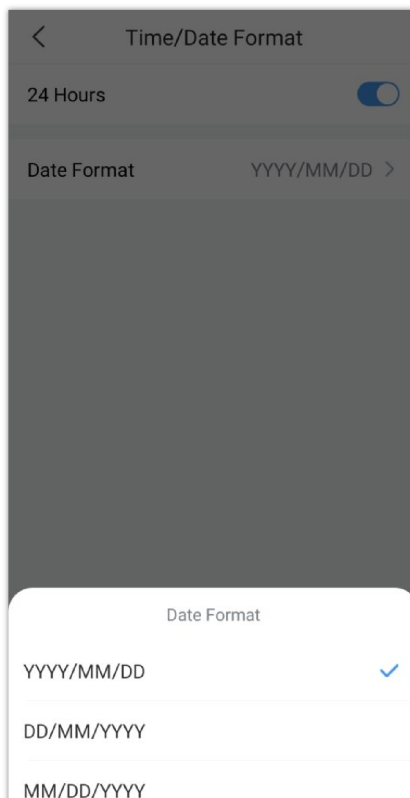


Multi Languages

The languages supported are: English, Simplified Chinese, French, Spanish (Latin America), Spanish (Spain), Italian, Greek, Arabic, Russian, German, Polish, Portuguese and Vietnamese, Thai, Czech, Turkish, Hebrew, Dutch, and Slovenian.

Time and Date Format

The users can select the Time/Date format as shown in the screenshot below:

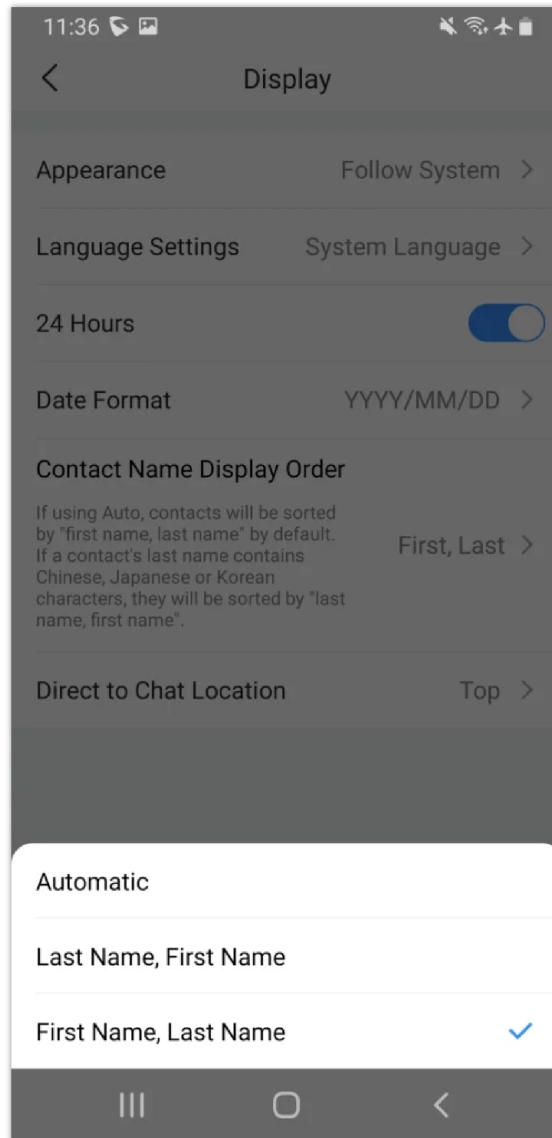


Time Date Format

Contact Name Display

This setting controls how contact names are displayed and sorted in the contacts list. The options include:

- **Automatic:** Contacts are sorted by First Name and Last Name. However, if a contact's name contains Chinese, Japanese, or Korean characters, the sorting automatically switches to Last Name, First Name to better suit those languages.
- **Last Name, First Name:** Contacts are always displayed and sorted by **Last Name, First Name**, regardless of language.
- **First Name, Last Name:** Contacts are always displayed and sorted by **First Name, Last Name**, regardless of language.

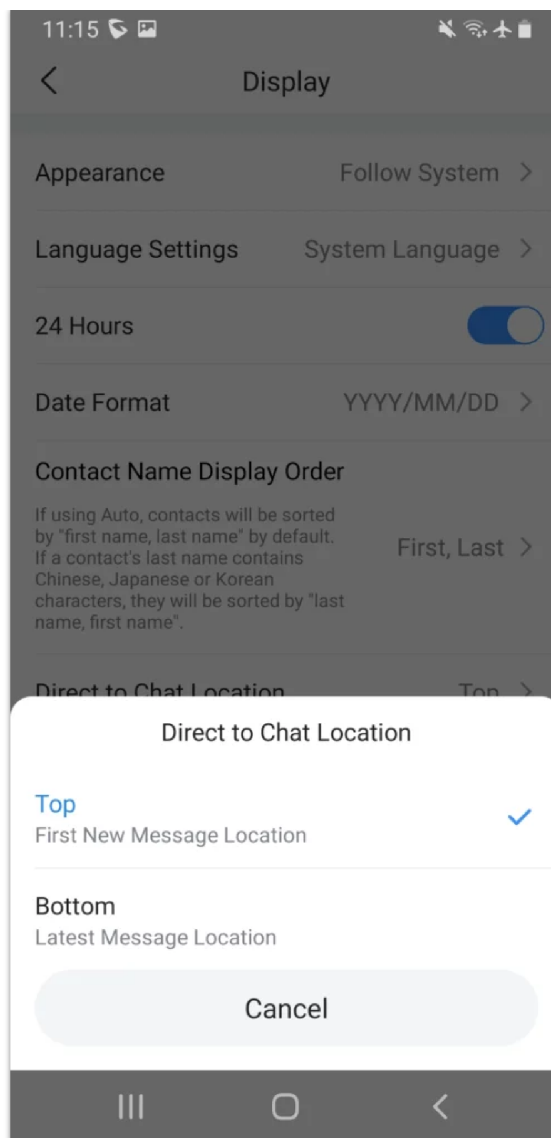


Contact Name Display Order

Direct to Chat Location

The user can determine where the chat window opens when they enter a chat session:

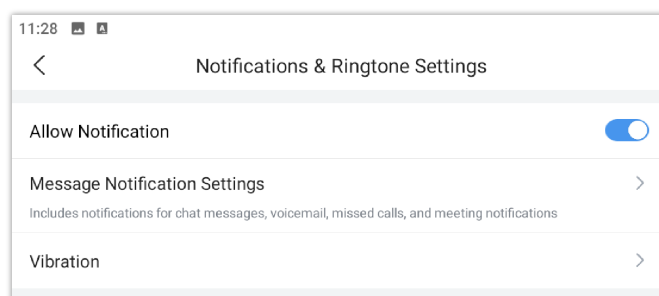
- **Top:** Opens the chat at the first unread message, allowing you to read from the beginning of new content.
- **Bottom:** Opens the chat at the most recent message, showing the latest conversation immediately.



Direct to Chat Location

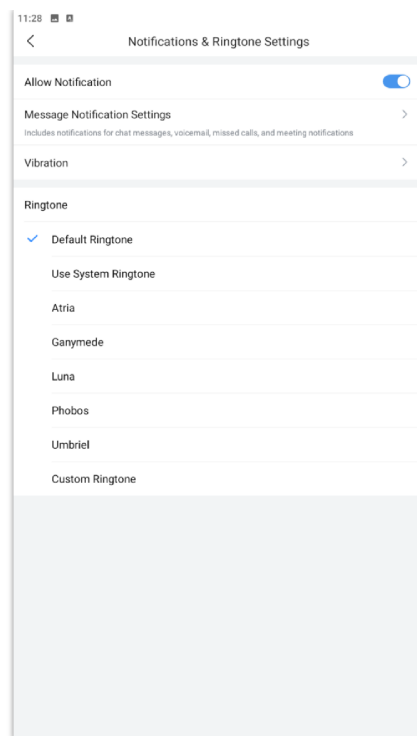
Notification and Ringtone

- Enable or disable notifications by using the toggle "**Allow Notification**". If you slide the toggle to the left, all the notifications will be suppressed.
- To customize the notifications settings, please tap on **Message Notification Settings** and then tailor the notification behavior based on your needs, then choose to play a sound or vibrate when a notification is received.
- Tap on **Vibration** to customize which notifications will trigger vibration.



Notifications Ringtone Settings

- Wave mobile offers 6 ringtones to choose from when receiving calls. When Wave is running in the background, and a call has been received, Wave will use the system's default ringtone.



Ringtone

- **"Block Notification When Active on Desktop"**: If the Wave Desktop device is inactive for more than 5 minutes, push notifications to Wave Mobile will resume. Default is disabled.

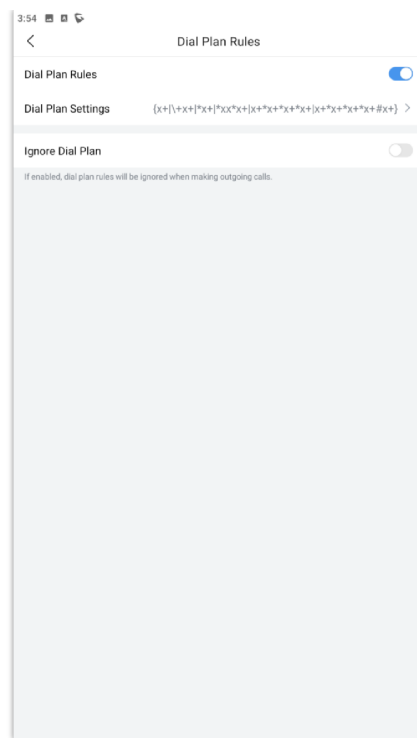
Calls and Meetings

- **Call Waiting**: If enabled, new incoming calls can be received during calls. Default is enabled.
- **Call Waiting Tone**: If enabled, play a tone for call waiting. Default is enabled.
- **Echo Cancellation**: If enabled, improve the audio quality using echo cancellation. Default is enabled.
- **Noise Suppression**: If enabled, suppress the noise during calls. Default is disabled.
- **Automatic Noise Reduction (AI)**: When enabled, the application uses AI-powered algorithms to detect and reduce background noise in real time during calls.
- **Auto Turn on Camera While Joining Meeting**: When enabled, the mobile device's camera will automatically turn on as soon as the user joins a meeting, without requiring manual activation. This allows participants to appear on video immediately upon joining.
- **Safe Driving Mode**: If enabled, the camera and microphone will not be turned on automatically during Wave meetings. Users may enable them manually. Default is enabled.
- **Car/Bluetooth Support**: Answer and end calls with your Bluetooth headset or from your car. Not all devices support this feature. If unsupported, or if the current device is in an active call, Wave calls may not be able to be controlled by the Bluetooth device. Default is enabled.
- **Audio Subsystem API**: Using different audio APIs, the sound effects will be different.
 - **OpenSL** (the older and most widely used API)
 - **AAudio** (Widely used API started from Android 8.0+)

Dial Settings

Dial Plan Rules

Wave mobile support dial plan, which can be configured and taken into consideration when numbers are dialed through Wave.



Dial Plan Rules

Toggle **“Dial Plans Rules”** so Wave starts taking the dial plan settings into consideration.

If **“Ignore Dial Plan”** is toggled on, Wave will ignore the dial plan settings.

Set the dial plan rules grammar for the number dialed. You can either enable the dial plan to have Wave take it into consideration or ignore it completely when dialing numbers.

Here are the valid values:

1, 2, 3, 4, 5, 6, 7, 8, 9, 0, *, #, T, +, A-Z, a-z

Dial Plan rules:

- **xx** – Any 2-digit number
- **xx+** – At least 2-digit number
- **xx.** – At least 1-digit number
- **xx?** – 1-digit or 2-digit number
- **^** – Reject
- **T** – Delay call after matching
- **|** – Or
- **+** – Add + to the number
- **[3-5]** – Dial the number 3, 4, or 5
- **[147]** – Dial the number 1, 4, or 7
- **<2=011>** – When the dial number is 2, it is replaced with 011
- Set **\{x+\}** – All digital numbers to make outgoing calls
- **+character** – It indicates a fixed character.
Note: it does not need to be added in front of * and #, and it cannot be added in front of T^,; and |
- Set **\{X+\}** Allow all 0-9, A-Z, a-z inputs with at least one character

Examples:

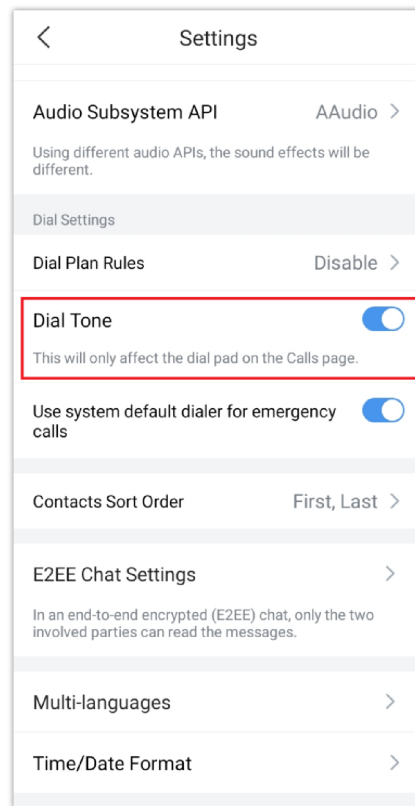
- **Example 1:** {[369]11 | 1617xxxxx} – Allow 311, 611, 911, any 10-digit call that starts with 1617 to make the outgoing calls.
- **Example 2:** {^1900x+ | <=1617>xxxxxxx} – It will refuse to dial numbers starting with 1900, and add the prefix 1617 when dialing any 7-digit number

- **Example 3:** `\{ax+\}` – It will dial a number starting with a and followed by at least 1-digit

Dial Tone

Choose to enable or disable Dial Tone. Default is enabled.

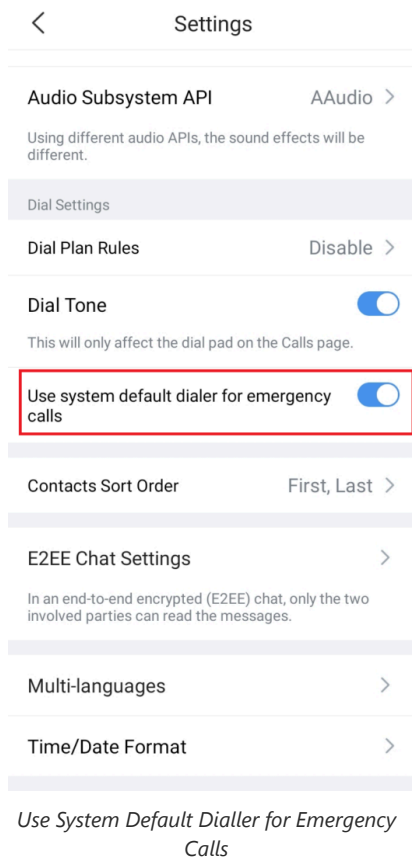
This will affect the dial pad on the calls page.



Dial Tone

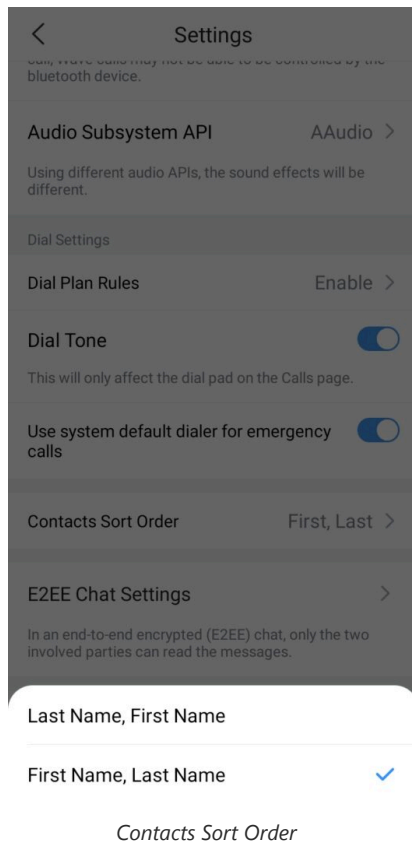
Use System Default Dialler for Emergency Calls

If enabled, emergency calls will use the default dialer to initiate the call even if the number is dialed on Wave. Default is enabled.



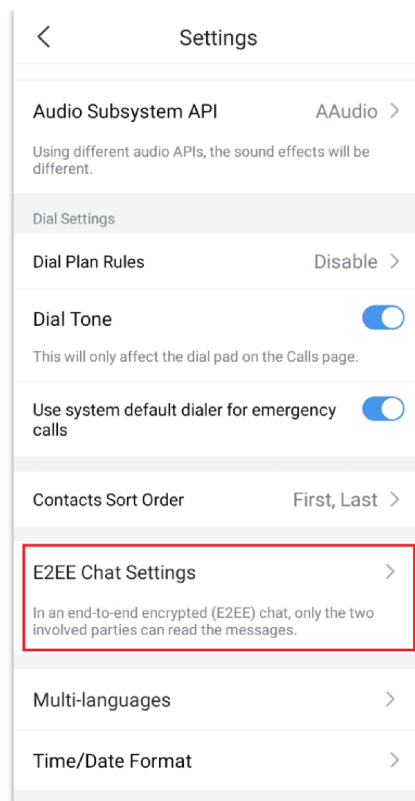
Contacts Sort Order

Select the sorting order for the contacts: "Last Name, First Name" or "First Name, Last Name".



E2EE Chat Settings

In an end-to-end encrypted (E2EE) chat, only the two involved parties can read the messages.

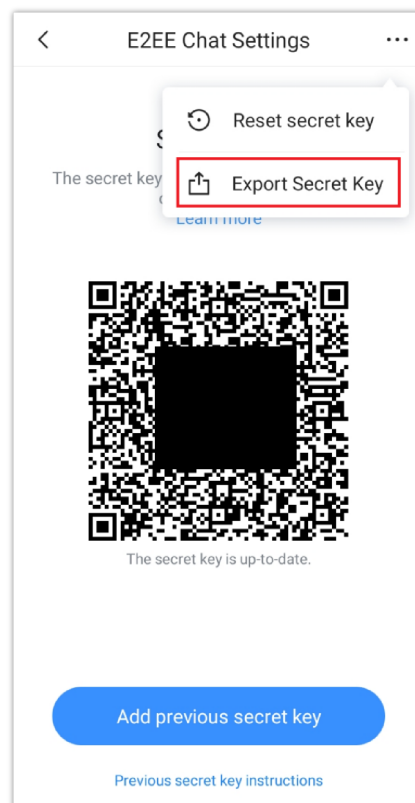


E2EE Chat Settings

Export a Secret Key

Wave allows exporting the privacy key. To do that, go to **E2EE Chat Settings** under **Settings**

Then tap on the three dots on the top right corner of the screen, then select **Export secret key**.



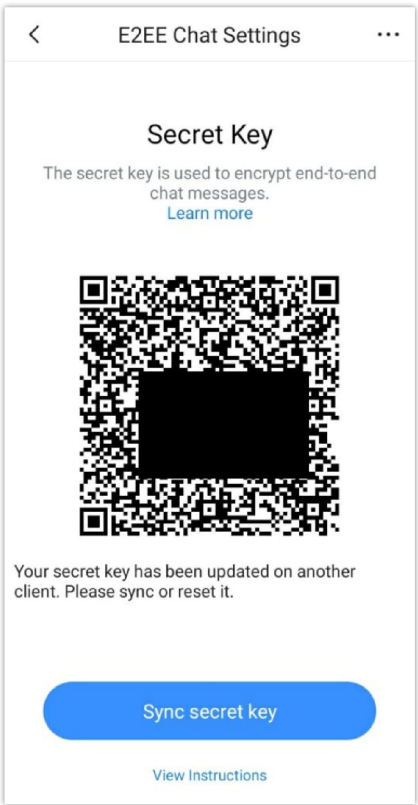
Export Secret Key

Then you can select to send it to yourself or to another contact on Wave, or to an email address.

Sync Secret Key

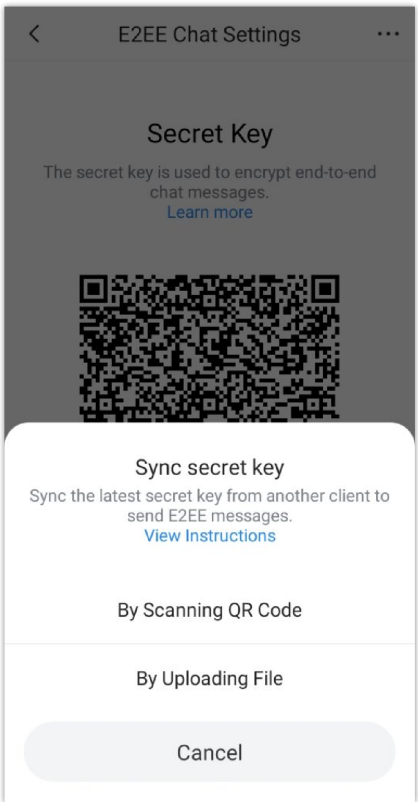
To synchronize a previous end-to-end encryption key, the user can either upload it to the application or scan the QR code generated by the Wave mobile application. To do that, please tap on the profile picture of your Wave account, then go to **Settings**, then tap **E2EE Chat Settings**.

Then tap the **Sync Secret Key** button



Sync Secret Key

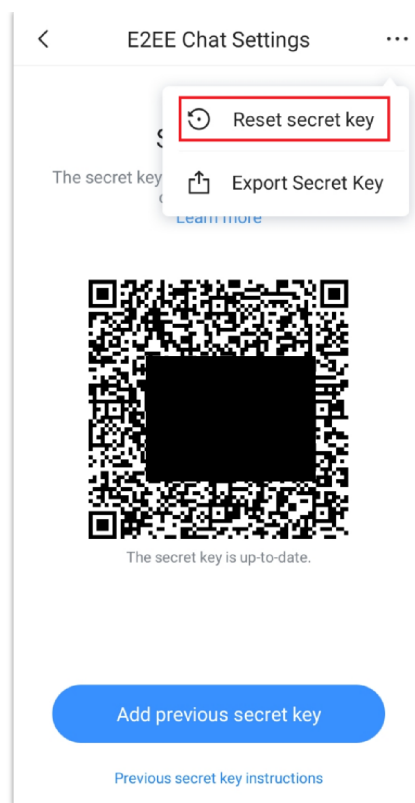
Choose to add the previous key secret either by **Scanning QR code** or **By Uploading file**.



Scan QR Code

Reset the Secret Key

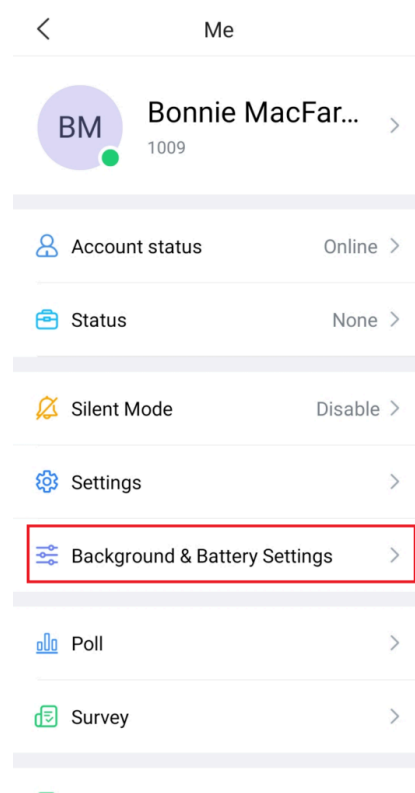
The user can choose to reset to a new secret key by choosing **Reset secret key** from the E2EE settings page



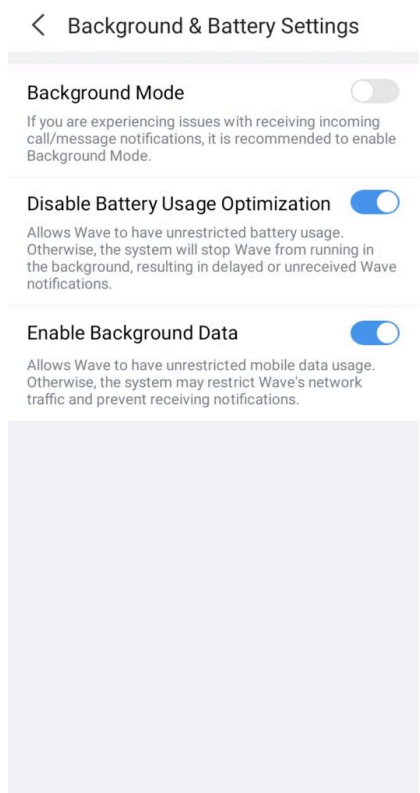
Reset Secret Key

Background and Battery Settings

Background and Battery Settings allow you to control the behavior of the Wave application in the background. This affects notifying the user when a call or a new message is received.



Background Battery Settings



Background Battery Settings options

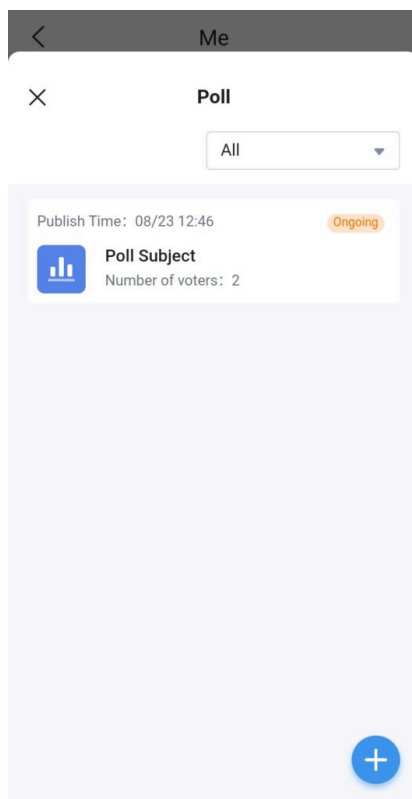
Background Mode	When the background mode is enabled, the user can still receive incoming calls, messages, and notifications when the application is running at background It is recommend to enable this if issues are experienced with message notifications and receiving incoming calls.
Disable Battery Usage Optimization	This allows Wave to use the battery in the background. If this option is disabled, issues like not receiving notifications and incoming calls might not be received.
Enable Background Data	Enable this option to allow Wave to use data in the background. Disabling this will prevent any messages or calls to be delivered when Wave is on the background.

Note

If the background mode is disabled, the user may miss some calls/messages/notifications when the application is running at background. If the "Ignore power-saving optimization" option is selected, it may shorten the battery life.

Poll

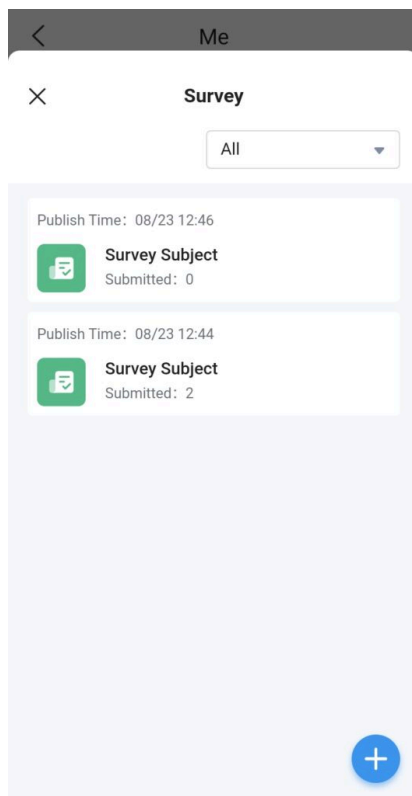
This page allows you to view the ongoing polls, add a new poll, or stop a poll.



Poll

Survey

This page allows you to view the ongoing surveys, add a new survey, or stop a survey.



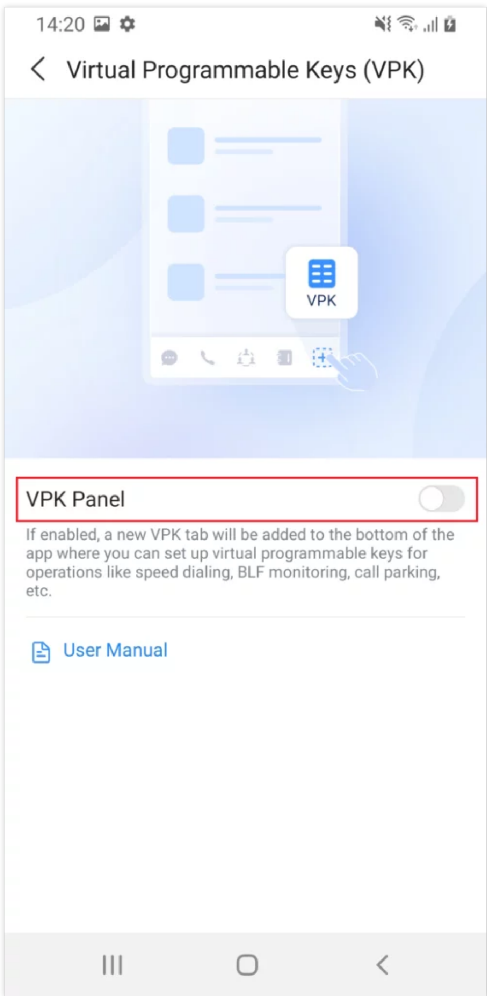
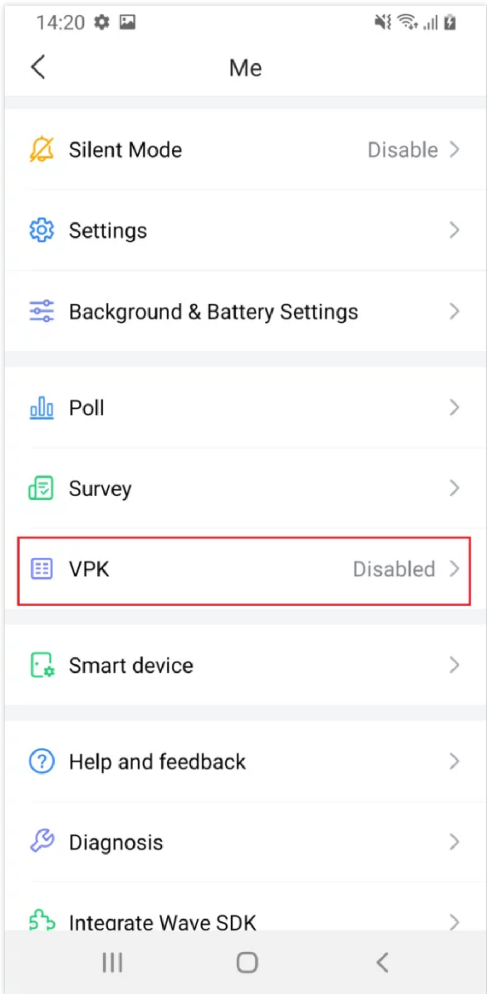
Survey

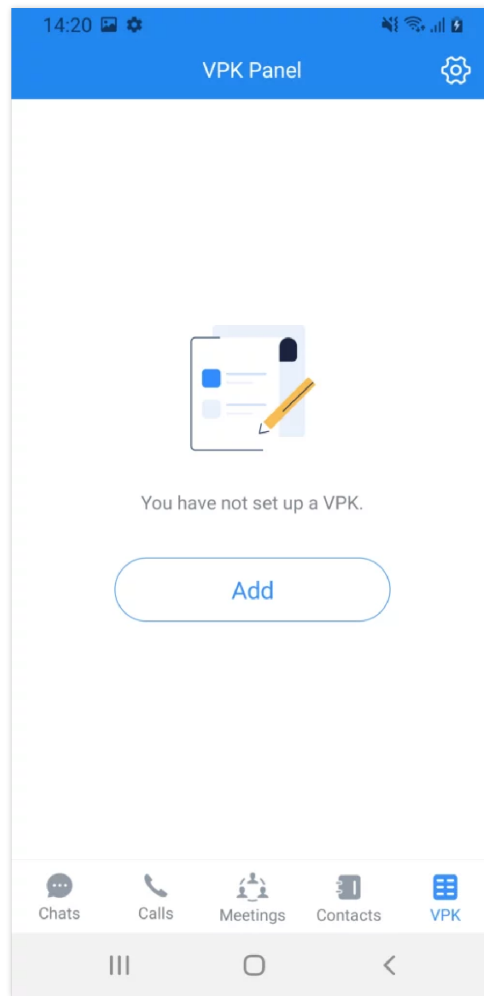
Virtual Programmable Keys

Virtual Programmable Keys on the Wave mobile application allow creating different virtual keys which offer shortcuts to certain functionalities such as Speed Dial, Busy Lamp Field, Intercom, Call Park, or Feature Codes.

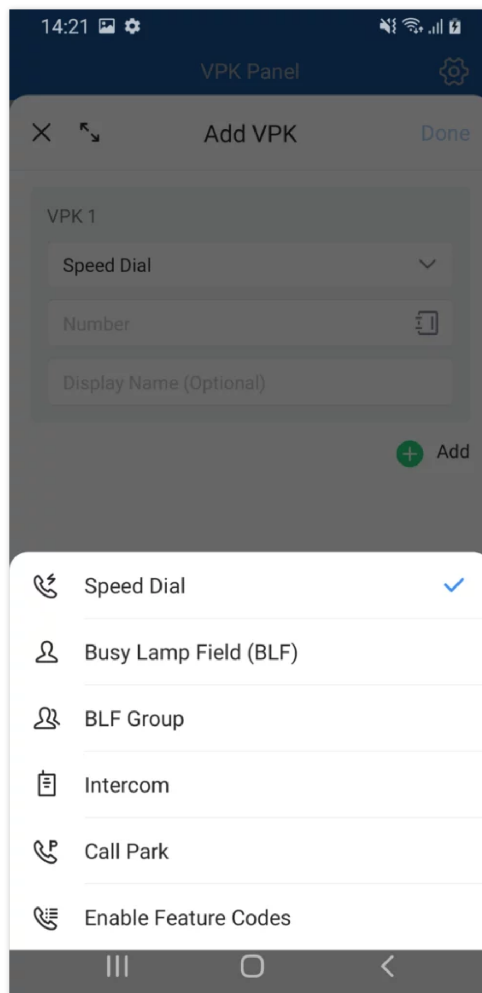
To configure a certain VPK, please follow the steps in the figures below.

On your profile, please tap VPK, then enable the VPK Panel. Once enabled, a VPK tab will appear at the bottom right of the UI of Wave. Tap the VPK tab to access the VPK configuration page.

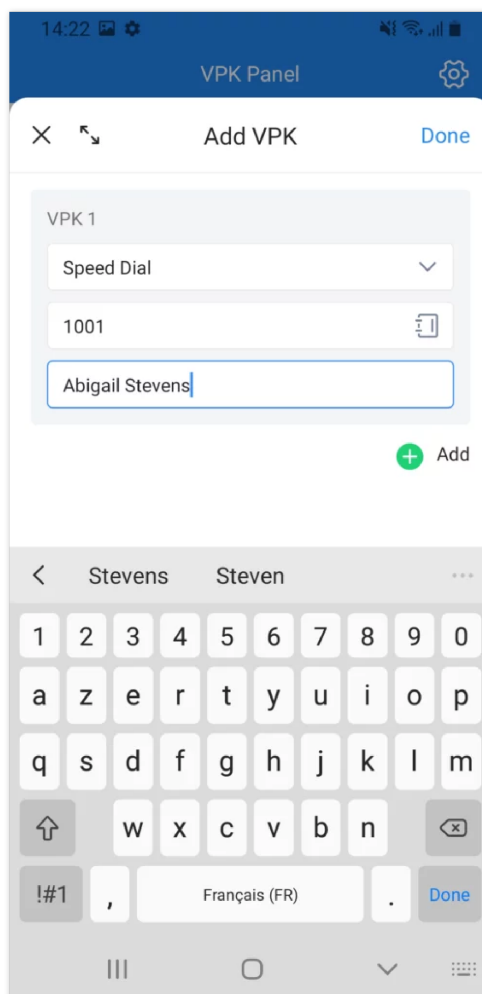




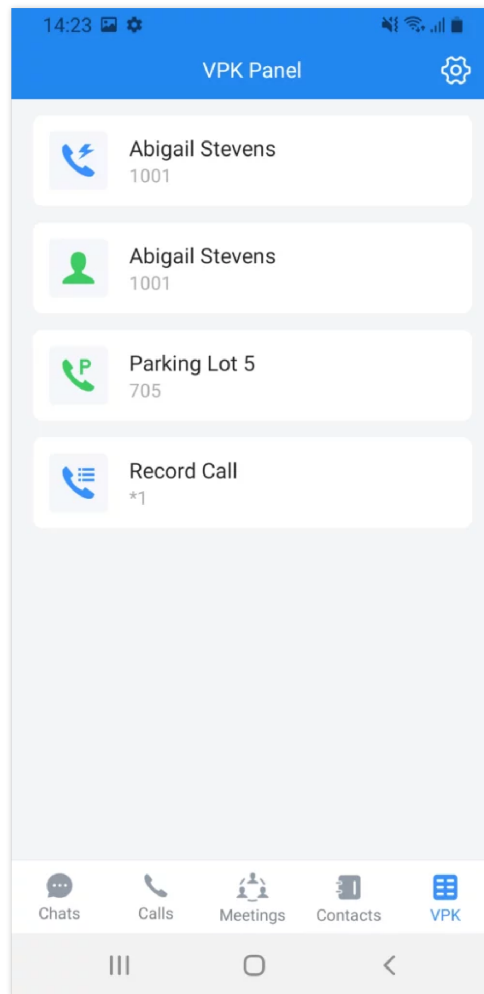
Choose the VPK, then configure the settings for the specific VPK. Once configured correctly, as shown in the third screenshot.



VPK Type

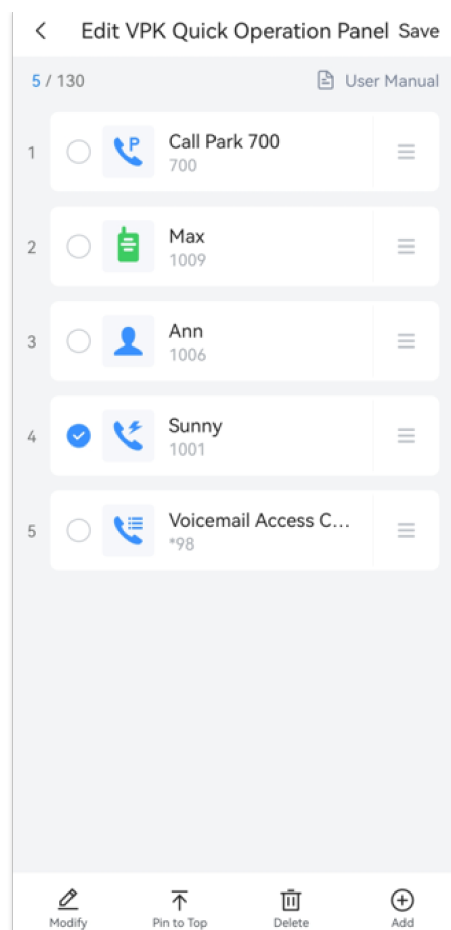


Add VPK



VPK Panel

To edit virtual programmable keys, tap the  button.



Edit Virtual Programmable Keys

You can edit, delete, pin to top, add, or rearrange the order of the VPKs.

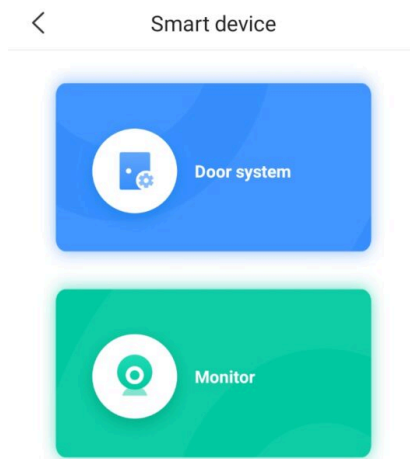
The following table outlines all the types of virtual programmable keys that can be created with their different state.

VPK Mode	Description	Icon	State
Speed Dial	Speed Dial mode allows to set a key for one touch dialing; configured number will be dialed once VPK is pressed.		No state changes
Busy Lamp Field (BLF)	Busy Lamp Field (BLF) mode allows to monitor status (available, ringing, busy) of an extension.		Online
			Icon flashing, ringing
			Busy
			Offline

Call Park	This feature allows to park/pick up the call, and can be also used to monitor parking lots via VPK button's LED. ● If the Value field is set with a parking lot (e.g. 701, 702, ...), the VPK will be used to monitor call parking; the phone will send a SUBSCRIBE to monitor the configured parking lot and park/retrieve calls. ● If the Value field is set with a parking lot (e.g. 700, 600, ...), the VPK will not monitor call parking; and can only park calls, not retrieve them. Note: Please go to UCM first to enable the configuration "Use Parking Slot as Extension".		Available
			Icon flashing, Busy
			Offline
			Not monitored status
Intercom	Allows to set a VPK as intercom button to a specific destination with auto-answer instruction.		No state changes
Eventlist BLF	Eventlist BLF allows to monitor a list of extension similar to BLF, administrator needs to configure Eventlist BLF on UCM server side and provide Eventlist BLF URI on the Wave.		Online
			Icon flashing, ringing
			Busy
			Offline
Enable Feature Codes	Allows you to select a Feature Code. The administrator needs to enable the corresponding Feature Codes on the UCM server.		No state changes

Smart Device

This page allows adding/viewing GDS Door Systems and monitoring Grandstream Surveillance cameras.



Smart Device

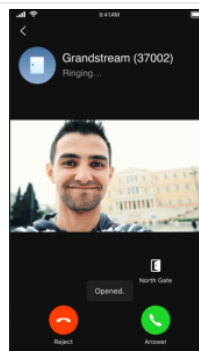
Door System

The user can click the “+” button to add a door system to the Wave application and configure the relevant parameters, as the screenshot shows on the right side: The user can add multiple door systems in the Wave application. The user can also call the door system and view the door system details.

Note

- The user can add up to 10 door systems in each Wave account.
- This function is only supported by Grandstream GDS Door System products.

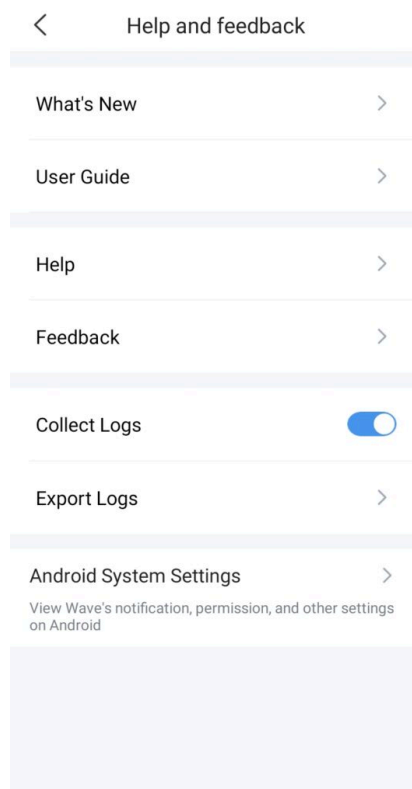
When the door system has been configured, the Wave user will receive an incoming call once someone rings the door system, as the screenshot shows on the right side:



Incoming Call from Door System

Help and Feedback

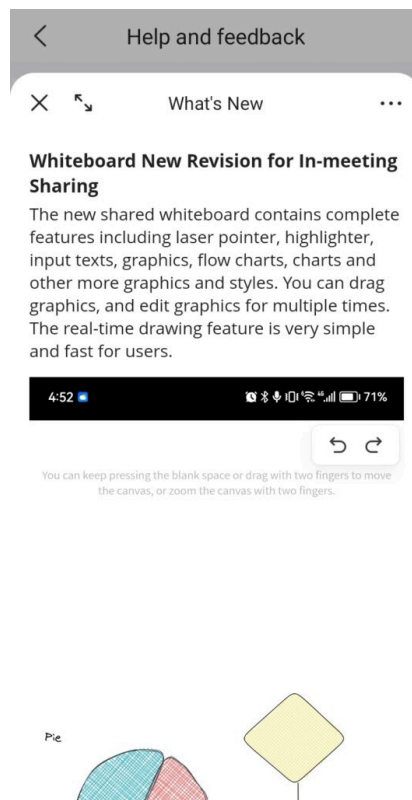
Users can go to the settings menu and click “**Help and Feedback**” to display the, What’s New, help, feedback, and exporting logs menu.



Help and Feedback

What's New

A pop-up window will display the new features introduced in the current version.



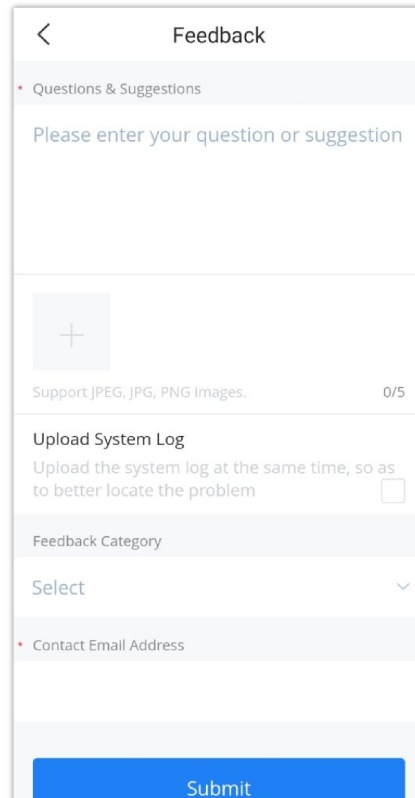
Whats New

User Guide

If the user has any questions while using the Wave application, the user can click the "User Guide" option to go to the official website of Grandstream and view the user guide for the Wave application.

Feedback

If the user encounters any problems with the Wave application or the user wants to share any suggestions about the Wave application, the user can click the “Feedback” option to connect to the Grandstream Feedback System. It allows users to share feedback, and we can collect questions/suggestions from users, so that we can provide better user experiences.

The screenshot shows a mobile application interface for providing feedback. At the top, there is a back arrow and the title "Feedback". Below the title is a section labeled "Questions & Suggestions" with a red asterisk, followed by a text input field with the placeholder "Please enter your question or suggestion". Underneath is an image upload area with a plus icon, the text "Support JPEG, JPG, PNG Images.", and a "0/5" indicator. This is followed by an "Upload System Log" section with the instruction "Upload the system log at the same time, so as to better locate the problem" and an unchecked checkbox. Below that is a "Feedback Category" section with a dropdown menu currently showing "Select". The next section is "Contact Email Address" with a red asterisk and an empty text field. At the bottom of the form is a blue "Submit" button.

Feedback Interface

Collect and Export Logs

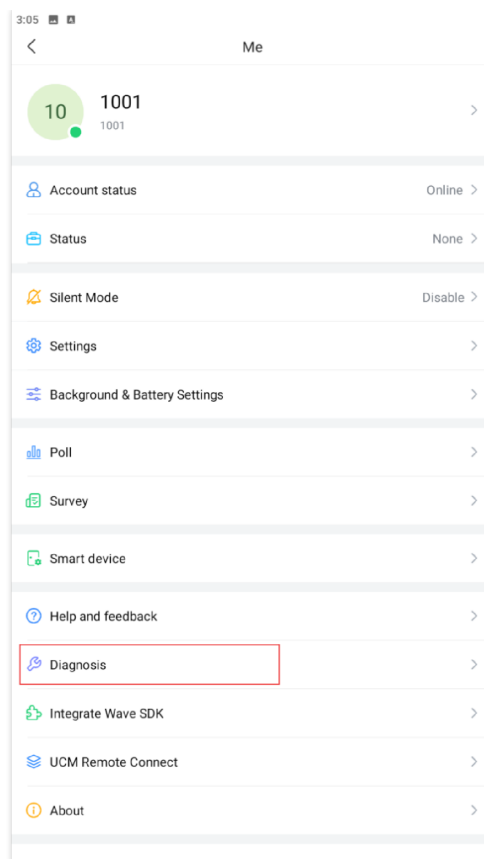
Users can enable “Collect Logs” to attach them when submitting feedback.

Users can go to the settings interface and click the “Export Logs” option to export the application logs. If the user encounters any issues with the Wave application, the user can export the logs and save them. The exported logs can help users to troubleshoot issues so that we can offer users better user experiences.

Diagnosis

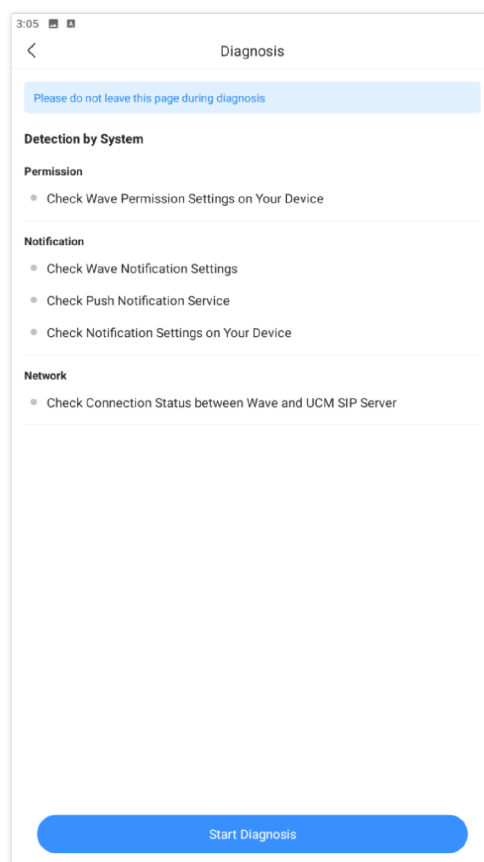
When you encounter an issue using the Wave mobile application, it is highly recommended to run the diagnosis tools built into Wave to identify the cause of the issue. The diagnosis tools offered in Wave include permission verification, notification verification, and network testing.

1. To perform a diagnosis, please tap on your account profile on the top left corner, then select “Diagnosis” from the list.



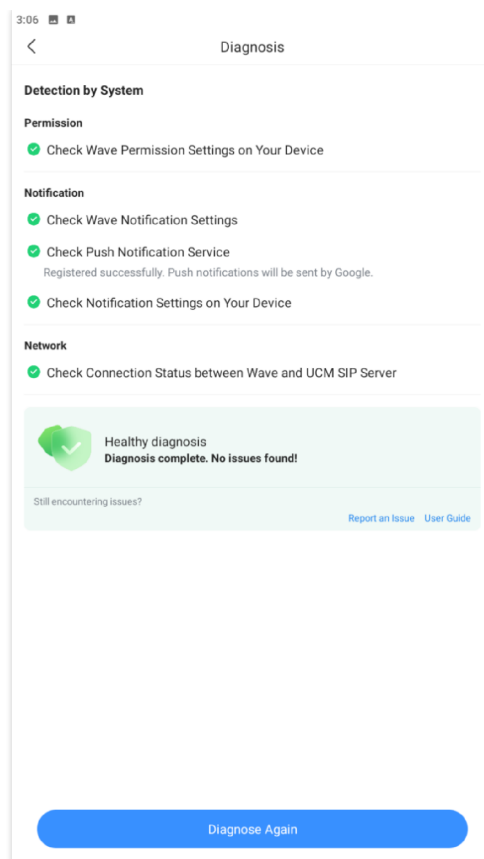
Wave Profile

2. Then click on “**Start Diagnosis**”



Diagnosis

3. When the diagnosis ends, the results will be displayed. See the example below.



Diagnosis Results

Integrate Wave

Users can learn about the available Add-in API and SDK for further development to integrate Wave with other platforms. When clicked, the user will be redirected to the corresponding instruction guide.

- Add-in Development Instructions
- SDK Development Instructions

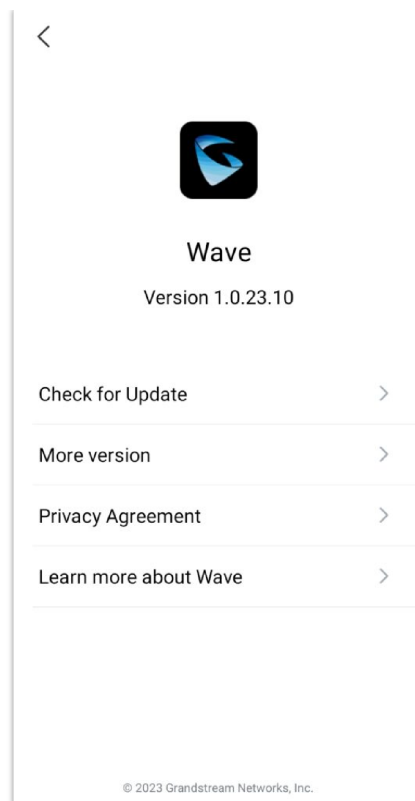
UCM Remote Connection

Users can learn more about UCM RemoteConnect services by accessing this menu.

The users will be redirected to the UCMRC website: <https://ucmrc.gdms.cloud/home>

About

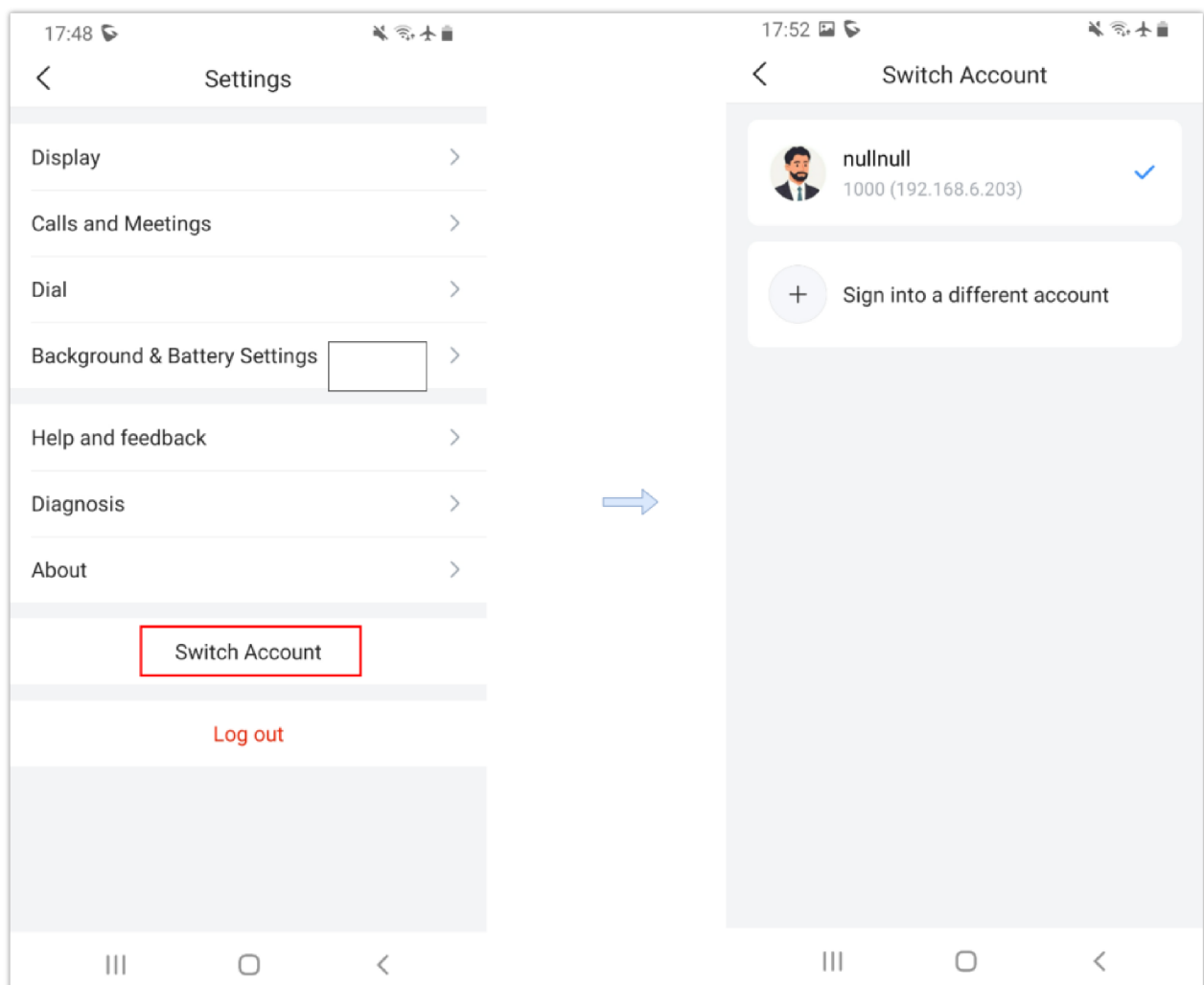
- Users can go to the settings interface and click **"About"** to get more details about the Wave application.
- Display the current version of the Wave application.
- If there is an updated application version, the user can click **"Update Version"** to upgrade the application.
- The user can click on **"Privacy Agreement"** to view the privacy terms of the Wave application.
- The user can click on **"Learn more about Wave"** to be directed to the Grandstream Official website to view the Wave application user manual.



About

Switch Account

Users can switch between different accounts configured on the Wave mobile application. When clicking on *Switch Account*, a list of already added accounts will be displayed. The user can then select the account to be accessed.



Log out

Users can click "**Log out**" to jump to the login interface and log in again.

RESET ACCOUNT PASSWORD

Users can reset their Account password in case it is forgotten by clicking on **Forgot Password?** On the **Sign in** page like shown in the figure below:

<

Sign in

https://c07xxxxa8c94-10671.b.gdms.cloud

/

1003

Password

Forgot Password?

Sign in

Forgot Password Option

Once clicking on Forgot Password, the user will need to click on **Send Mail** button in order to receive an email to reset the password.

<

Forgot Password

https://c07xxxxa8c94-10671.b.gdms.cloud

/

1003

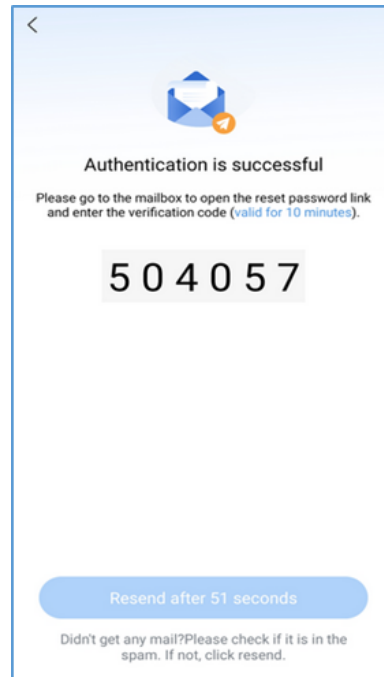
After you input the server and send the account,please check the email with reset information in the mailbox bound to the account.

Send Mail

Send Mail to reset Password

After clicking on “**Send Mail**” button, a verification code will be provided.

Note: An email address should be previously configured under the extension on the UCM630x



Verification Code

The user will need to go to the mailbox to open the reset password link, enter the provided Verification code, and the new desired password.

A screenshot of the "Reset Password" page in the Wave application. The page has a light blue background. At the top left is the "Wave" logo, and at the top right is a language dropdown menu set to "English". The main heading is "Reset Password" in bold black text. Below the heading are three input fields: "Verification Code" with a shield icon, "Enter New Password" with a lock icon, and "Re-enter New Password" with a lock icon. Below these fields is a blue button labeled "Reset Password". At the bottom of the page, there is a small copyright notice: "Copyright © Grandstream Networks, Inc. 2020. All Rights Reserved."

Reset Password Page

Note

Resetting the Account password on the Wave application will result in changing the user portal password; the new user portal password will need to be used afterwards.

FREQUENTLY ASKED QUESTIONS

Q: My account is unable to register. What should I do?

A: Please check the following:

- **Network connection:**

Please check whether the device is connected to a Wi-Fi, 2G, 3G, 4G, or 5G network properly.

- **Server Address:**

Please check whether the server address is entered correctly. Wave uses the web access address, not the SIP server address. The server address should be the web access address, not the SIP server address.

For an internal server address using an IP address (IPv4 or IPv6), a port number is required. For the external server address (domain name), please confirm whether the port number is required. If the external server address contains a port number, the port number must be entered. Otherwise, there is no need to enter the port number.

- **Extension and Password:**

Check whether the extension number and the user password are correct.

Q: Why do I see contacts from my phone in the Wave app?

A: When using Wave for the first time, users will be prompted to allow or deny permission to access contacts. If allowed, the phone's contacts will be displayed in Wave. To change this, go to your device's app settings and change the Permissions for the Wave app.

Q: Why does my device not display any notifications from Wave?

A: Please confirm that notifications for the Wave app are enabled on your device. If enabled, the status bar will display account registration status. (This display may vary on different brands or systems of mobile devices.)

CHANGE LOG

This section documents significant changes from previous versions of the user manuals for the Wave mobile app. Only major new features or major document updates are listed here. Minor updates for corrections or editing are not documented here.

Version 1.0.33.8 (Android™)/ 1.33.8 (iOS™)

- Added support for scheduled messages. [[Scheduled Message](#)]
- Improved global search functionality. [[General Search](#)]
- Added support for matching contacts and numbers from the last 50 call logs. [[Making a Call](#)]
- Added a restriction for screen capture and recording actions. [[Screen Capture and Recording Restriction](#)]
- Updated screen sharing behavior when Screen Capture and Recording restriction is enabled. [[Screen Sharing](#)]

Version 1.0.31.5 (Android™)/ 1.31.5 (iOS™)

- Added support for switching between accounts. [[Switch Account](#)]
- Added support for Email as an option for multi-factor authentication. [[Email Authentication](#)]
- Added support for hiding recording status. [[Recording status](#)]

Version 1.0.29.5 (Android™)/ 1.29.1 (iOS™)

- Added support for login using a Microsoft account. [[Signing In Using Microsoft Account](#)][[Feature Highlights](#)]
- Added support for stopping recurring scheduled meetings. [[Schedule Meeting](#)]
- Added support for enabling the Join/Leave prompt tone for meetings. [[Schedule Meeting](#)]
- Added support for restarting previous meetings. [[Restart Meeting](#)]
- Added Automatic Noise Reduction (AI) mode. [[Calls and Meetings](#)]
- Added an option to automatically enable the camera when joining meetings. [[Calls and Meetings](#)]
- Added support for app appearance settings. [[Appearance](#)]
- Added an option to set the chat window position when opening chats. [[Direct to Chat Location](#)]
- Added support for Simultaneous Login with Same Client Type. [[Multi-clients Simultaneous Login](#)]
- Added support for displaying personal chats as independent chat modules. [[Personal Chat Link](#)]
- Added clickable message replies to jump to the original message. [[Instant Messaging](#)]

- Added display of responder names with emoji reactions. [[Instant Messaging](#)]
- Added “Select the following information” option. [[Message Forwarding](#)]
- Added display of answering party’s name and number in Call History for call queues and ring groups. [[Call History](#)]

Version 1.0.27.18 (Android™)/ 1.27.25 (iOS™)

- Added support for Multi-Factor Authentication for Wave login. [[Multi-Factor Authentication](#)]

Version 1.0.27.9 (Android™)/ 1.27.11 (iOS™)

- Added support for voice assistant to initiate a call [[Making a Call](#)]
- Added support for logging-in using biometrics [[Signing in using Biometrics](#)]
- Added support for Personal Chat Link [[Personal Chat Link](#)]
- Added support for setting a reminder for a message [[Set a Reminder for a Message](#)]
- Added support for Virtual Programmable Keys [[Virtual Programmable Keys](#)]
- Added support for rich text formatting [[Rich Text Formatting](#)]
- Added support for changing chat group avatar [[Group Chat](#)]
- Added support for login sessions management [[Login Device Management](#)]
- Added support for sending multiple files at once [[Send a File](#)]
- Added support for switching across multiple Bluetooth devices [[During a Call](#)]
- Added support for scheduling meetings every N days/weeks [[Schedule Meeting](#)]
- The voicemail group name will now be displayed under the voicemail [[Voicemail](#)]
- Added support for joining meetings using a mobile phone browser [[Join Meeting Via Link](#)]
- Added support for logging into your account from multiple mobile phones [[Login Device Management](#)]
- Added support for choosing the recurrence frequency of a scheduled meeting [[Schedule Meeting](#)]
- Improved support for the UCM HA environment
- Improved N-way conferencing process

Version 1.0.25.17 (Android™)/ 1.25.14 (iOS™)

- No major change

Version 1.0.25.15 (Android™)/ 1.25.11 (iOS™)

- Added Slovenian language

Version 1.0.25.10 (Android™)/ 1.25.9 (iOS™)

- Added support for replying to Live Chat calls and messages. [[Live Chat](#)]
- Added support for pinning messages and viewing pinned messages in chat groups. [[Pin Message](#)]
- Added support for saving messages. [[Save Message](#)]
- Added diagnostic tools. [[Diagnosis](#)]
- Added support for converting calls from multiple lines into an n-way conference. [[N-way Conference](#)]
- Added support for viewing who has seen a message in a group chat. [[Group Chat](#)]
- The user can now change the password directly on the Wave mobile application. [[Change Password](#)]
- Added more emojis.

Version 1.0.23.14 (Android™)/ 1.23.14 (iOS™)

- Added new language – Traditional Chinese

Version 1.0.23.13 (Android™) / 1.23.13 (iOS™)

- Added Dutch language.
- Updated Hebrew language display.

Version 1.0.23.10 (Android™) / 1.23.10 (iOS™)

- Whiteboard new revision for in-meeting sharing. [[Share](#)]
- Optimized Audio Call Interface. [[Using Wave App](#)]
- Supported Emergency Calls on Mobile Phones [[Dial Settings](#)]
- Display Current Speaker in Meetings. [[Display Current Speaker](#)]
- Receive Calls when receiving an Invitation. [[Receive Calls when receiving an Invitation](#)]
- Notification Assistant [[Notification Assistant](#)]
- Preview Links in Messages. [[Preview Link](#)]
- Added the following new settings: Call Waiting, Call Waiting Tone, Contacts Sort Order ("Last Name, First Name" or "First Name, Last Name"), etc. [[Calls and Messages](#)] [[Contacts Sort Order](#)]
- Added menu entrances: What's New, SDK Integration Development Instructions, and Add-in Integration Development Document. [[What's New](#)] [[Integrate Wave](#)]
- Added "Delete Chat" permission. [[Delete Message](#)]
- On the Meeting list, you can search for the recent 6 months of meeting history. The period will be counted by natural month. [[Meeting History](#)]

Version 1.0.21.18 (Android™) / 1.21.15 (iOS™)

- No major changes.

Version 1.0.21.14 (Android™) / 1.21.11 (iOS™)

- Added a silent mode feature. [[Silent Mode](#)]
- Added custom ringtone for Wave on Android. [[Notifications and Ringtones Settings](#)]
- Added related battery settings. [[Background and Battery Settings](#)]

Version 1.0.21.8 (Android™) / 1.21.8 (iOS™)

- Added Raise Hand feature. [[During the Meeting](#)]
- Users can now set dial plan rules in Wave Mobile. [[Dial Plan](#)]
- Users can now customize their ringtones by picking a ringtone from the list of ringtones (Currently supported on iOS only). [[Ringtone](#)]
- T9 contact name matching is now supported. [[Search Contacts](#)]
- Users can now delete specific chats or delete all the chats at once. [[Single Chat](#)]
- Meeting hosts can now specify the reason why a scheduled meeting was cancelled. [[Schedule Meeting](#)]
- The Wave mobile application indicates now when a message has been delivered and read. [[Single Chat](#)]
- Added Survey and Poll features. [[Create Poll/Survey](#)]
- Added support for importing phone contacts to Personal Contacts on Wave. [[Import Contacts](#)]

Version 1.0.19.10 (Android™) / 1.19.10 (iOS™)

- Safe-driving mode has been added. [[Safe Driving Mode](#)]
- Added zoom in and out when a screen is shared in a meeting has been added.
- Added support for call/meeting ending indicator tone.
- Added support for scheduling onsite meetings. [[Schedule Onsite Meeting](#)]
- Added support for canceling and editing upcoming scheduled meetings, or ending ongoing meetings. [[Onsite Meeting](#)]
- Added support for forwarding multiple messages in one message, or separately. [[Message Forwarding](#)]
- Added support for displaying the local time in the contact's messaging window. [[Contact Local Time](#)]

- Added support for rotating, forwarding, and downloading images exchanged in the Wave mobile application. Note: Forwarded images will not retain the rotation. [[View an Image](#)]
- Added support for blocking Push notifications on the Wave mobile app when the user is logged into the Wave desktop. [[Notifications](#)]
- Added support for end-to-end encryption [[End-to-end encryption](#)]
- Added support for Personal Contacts
- Added an indicating tone once the call is ended or when exiting the meeting

Version 1.0.17.6 (Android™) / 1.17.8 (iOS™)

- Made several UI improvements.
- The last 10 server addresses logged into will now be remembered. These server addresses can be viewed and selected by tapping on the arrow icon in the Server Address field on the login page.
- [Calling]
 - Users can now have up to 6 simultaneous calls instead of just 2.
 - Improved attended transfer functionality.
 - When copying/pasting a number with special characters into the dialpad, the special characters will be automatically filtered out.
- [Chat]
 - Added the Change Group Owner option to the group chat settings to transfer ownership of the group to an existing group member.
 - Added additional emojis.
- [Meetings]
 - Users can now start and stop video recordings during meetings by swiping up the bottom bar and tapping on the Record option. If the meeting does not support video recordings, audio will be recorded instead. Recordings can be viewed and played directly from Wave.
 - Users can now change the video feed layout of meetings by swiping up the bottom bar during meetings and toggling the Speaker Layout option. Enabling Speaker Layout will display only the video feed of the designed speaker, and users can swipe left or right to view just the speaker or all video participants, respectively. Disabling the option will just display all video participants instead.
 - Users can now create a meeting group chat when scheduling a meeting.
 - When there is only 1 participant in a meeting, and the meeting duration has reached 30 minutes, a prompt will appear asking whether to extend the meeting. If extended, the meeting will last another 30 minutes. Otherwise, the meeting will automatically end after 5 minutes.
 - If the duration of a meeting is about to reach 12 hours, and the meeting host is in the meeting, they can extend the meeting for another 12 hours once. The meeting will automatically end once another 12 hours have passed. If the meeting host is not in the meeting after the initial 12 hours, the meeting will automatically end.
 - Users can now invite IP camera devices they have permission to access to meetings. Other meeting participants can view the video feed of the invited IP camera devices.
 - Added the Allowed to override Host Mute option to the Edit Meeting / Schedule Meeting pages → Advanced Settings page. If enabled, participants muted by the meeting host will be able to unmute themselves.

Version 1.0.15.9 (Android™) / 1.15.8 (iOS™)

- Added support for creating a meeting group chat for a scheduled meeting. [[Schedule Meeting](#)]
- The host of a group chat can now allow or prohibit the group members from adding other users. [[Group Chat](#)]
- Added support for sending and receiving instant voice messages. [[Voice Messages](#)]
- Added support for viewing all images sent in a discussion in a gallery-style display. [[Instant Messages](#)]
- Added support for searching chat history. [[Search in a Chat History](#)]
- Added support to enable or disable dial tone when using the keypad. [[Dial Tone](#)]
- Added support for sending files and video through the mobile phone system.

Version 1.0.13.8 (Android™) / 1.13.9 (iOS™)

- Made several UI adjustments.
- Added the ability to change the date and time format. [Time/Date Format]
- Added Portuguese and Vietnamese language support. [Wave Technical Specifications]
- Added support to start audio recording during the Wave meetings. [Record an Ongoing Meeting]
- Added support to display absent meeting invitees for the host. [Absent Meeting Invitees]
- Added support for the Call Flip Function. [Call Flip Function]
- Added support to start audio recording during a point-to-point call. [Record an Ongoing Call]
- Added support to create a chat group after a meeting with the meeting's members. [Create Chat Group After Meetings]
- Added support for viewing contacts based on UCM contact privilege settings. [CONTACTS]
- LDAP phonebook contact visibility is now based on the UCM's LDAP phonebook settings. [CONTACTS]
- Added support for restricting visibility of chat history when inviting contacts to a group chat. [Group Chat]
- Added more emojis. [Instant Message]
- Added support for quick reply with emojis. [Instant Message]
- Added support to view the file list. [Files list]
- The Wave app can now be selected as the default phone app. [Default phone app]
- Added support for iPad landscape mode.

Version 1.0.11.x (Android™) / 1.11.X (iOS™)

- Added more functions in the Chat module: supported replying with emoji, set the viewable range of chat history for new chat members, supported displaying the other party's status (XXX is typing...), and supported more emojis. [Instant Message]
- Added multiple hierarchical organizational structure contacts in the Contacts module. [Contacts]
- Added the voicemail function in Wave mobile applications. [VOICEMAIL]
- Added custom avatar function in Wave mobile applications. [Account Info]
- Added the Help and Feedback module in Wave mobile applications. [Help and Feedback]
- Added support for the GDS door system involved functions on the call interface. [Smart Device]
- Added chat bubble function during the meeting. [Conference]
- Added to synchronize call history from multiple clients for a single Wave account. [Call History]
- Merged audio conference and video conference into the Conference module. [Conference]

Version 1.0.9.15 (Android™) / 1.9.14 (iOS™)

- Added support for the DTMF soft keyboard during the call. [During a Call]
- Added the ability to set the account status. [Account Status]
- Added the ability to set the working status. [Working Status]
- Added support for Background Mode. [Settings]

Version 1.0.7.7 (Android™) 1.7.8 (iOS™)

- Added New features in the chat module: pin chat box, mute message notice, hide chat box, quote to reply message, delete messages, etc. [Group Settings]
- Supported multi-lines calls. [Hold/Unhold and Multiple Lines]
- Supported to transfer an active call to a video conference. [N-Way Conference]
- Added public meeting room list and the list will show the meeting room status in different periods. [MEETING]
- Added to create a meeting with a random meeting number. The meeting can be created as an instant meeting or a scheduled meeting. [Meet Now]
- Added to display the actual meeting duration and the actual participants list for the previous meetings. [Meeting History]

- Supported adding participants from contacts/groups when scheduling a meeting. [Schedule Meeting]
- Supported to set the meeting subject and add invitees for instant meetings. [Meet Now]
- Added meeting assistant module. When there are new meeting invitations, meeting reminders, and meeting cancellation notifications, the meeting assistant will send messages to the host and participants. [Meeting Invitation]

Version 1.0.5.2 (Android™) / 1.5.1 (iOS™)

- Add a chat feature, including single chat and group chat. [Single chat][Group Chat]
- Chat feature is supported in the meeting. [Meeting Chat]
- Support call waiting and switch two calls on the Wave Android. [Call Waiting]
- Support N-Way audio conference. [N-Way Conference]
- Added the history meeting list. [Meeting History]
- Wave users support using links to join the meeting. [Link to Join]

Version 1.0.1.9 (Android™) / 1.1.9 (iOS™)

- Added the option Favorites. [Favorites]
- Add the option of a scheduled meeting. [Schedule Meeting]
- Added the option of listing participants and inviting members to the meeting. [Video Meeting Participants]
- Added the option of modifying the display name in the meeting. [Edit Name]
- Added the ability to reset the account password. [RESET ACCOUNT PASSWORD]
- Added landscape layout support.

Version 1.0.0.17 (Android™) / 1.0.15 (iOS™)

- This is the initial version.