



Hytera HyTalk MC Client

User Manual (for PNC460, PNC560, PNC660, HYT-P60, and Multi-mode Advanced)

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Documentation Information

This section describes the audience, conventions, and revision history of this document.

Audience

This document is intended primarily for the following audiences:

- End users
- Technical support engineers
- Maintenance engineers
- Network engineers

Documentation Conventions

Icon Conventions

Icon	Description
 TIP	Indicates information that can help you make better use of your product.
 NOTE	Indicates references that can further describe the related topics.
 CAUTION	Indicates situations that could cause data loss or equipment damage.
 WARNING	Indicates situations that could cause minor personal injury.
 DANGER	Indicates situations that could cause major personal injury or even death.

Notation Conventions

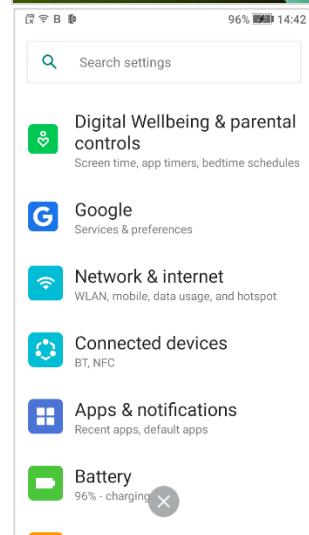
Item	Description	Example
Boldface	Denotes menus, tabs, parameter names, window names, dialog names, and hardware buttons.	To save the configuration, click Apply .
		The Log Level Settings dialog appears.
		Press the PTT key.
" "	Denotes messages, directories, file names, folder names, and parameter values.	The screen displays "Invalid Battery!".
		Open "PSS.exe".
		Go to "D:/opt/local".

Item	Description	Example
		In the Port text box, enter "22".
>	Directs you to access a multi-level menu.	Go to File > New .
<i>Italic</i>	Denotes document titles.	For details about using the UNM5800, refer to <i>UNM5800 Operation Guide</i> .
Courier Prime Code	Denotes commands and their execution results.	To set the IP address, run the following command: <code>vos-cmd -m name IP</code>

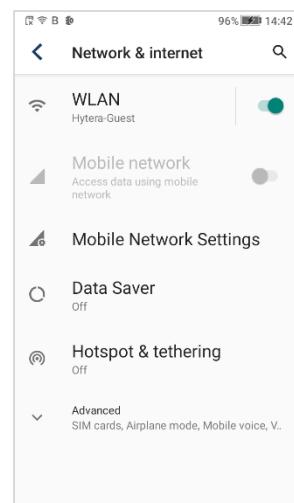
Revision History

Document Version	Application Version	Release Date	Description
01	V6.0	October 2025	Added descriptions of HYT-P60.
00	V6.0	May 2025	<ul style="list-style-type: none"> Updated figures. Added the descriptions of PNC660 Mission Critical Ruggedized Device. Deleted the descriptions of PNC550 and PDC550. Added 13.2 Interconnection Between MCS and DMR Systems. Updated 3.3 Set the Hytera HyTalk MC Client, 5. Contacts, 6. Service Settings, 7. Voice Services, and 8. Video Services.
00	V5.0	March 2024	<ul style="list-style-type: none"> Updated figures. Added 7.5 Monitoring. Updated 3.3 Set the Hytera HyTalk MC Client and 6.1 Set the Call Information.

Document Version	Application Version	Release Date	Description
00	V4.7	April 2023	<ul style="list-style-type: none">● Added the description of PNC460 smart PoC radio.● Updated figures.
00	V4.6	July 2022	<ul style="list-style-type: none">● Added the description of PNC560 5G XSecure rugged radio.● Added 2.1.2 Turn On Mobile Network <p>To use the Hytera HyTalk MC client on your radio using mobile network, install SIM card on your radio, and then turn on mobile network</p> <ol style="list-style-type: none">1. On the radio, go to Settings > Network & internet.



2. Tap Mobile network.



- Turn On the WLAN, [3.4 Change the Password](#), [7.1.4 View Voice](#)

Document Version	Application Version	Release Date	Description
			<p>Group Call Members, and 8.1.5 View Video Group Call Members.</p> <ul style="list-style-type: none"> ● Updated 2.1.1 Install the SIM Card, 3.2 Log In to the Hytera HyTalk MC Client, 6.1 Set the Call Information, 7.1.1 Initiate Voice Group Calls, 7.3.1 Initiate Voice Private Calls, 7.6.1 Initiate Emergency Calls, 7.9 Broadcast Call, 8.1.2 Initiate Video Group Calls, 8.2.2 Initiate Video Private Calls, 9.2 Send Messages, and 9.3 View Messages. ● Updated figures.
00	V4.5	January 2022	Updated 3.1 Set the Login Parameters , 7.8 Concurrent Call , and 9 Message Services .
00	V4.0	August 2021	<ul style="list-style-type: none"> ● Added the description of PDM680 rugged MCS radio. ● Updated figures. ● Optimized 3.2 Log In to the Hytera HyTalk MC Client, 6.1 Set the Call Information, and 7.2 Voice Report. ● Added 7.3.4 Call Waiting. ● Updated 14 Abbreviations.
00	V3.7	June 2021	<ul style="list-style-type: none"> ● Added the methods of initiating voice private calls, initiating video private calls, and sending message by organization.

Document Version	Application Version	Release Date	Description
			<ul style="list-style-type: none">● Added 7.9 Broadcast Call and 11 Location Subscription.● Optimized 6.1 Set the Call Information, 7.1 Voice Group Call, 7.4 Encrypted Call, 7.7 DGNA, and 8.4 Encrypted Call.
00	V3.6	March 2021	No change compared to the last version.
00	V3.5	September 2020	Initial release.

1. Overview

1.1 Product Introduction

The Hytera HyTalk MC client is an application compliant with 3GPP standards for Mission Critical services (MCSs). It provides various voice, video, and data services over wireless local area networks (WLANs) or cellular networks without boundaries. Installed on smart PoC radios and multi-mode advanced radios, the Hytera HyTalk MC client allows you to use it on a touchscreen. It is suitable for users in sectors such as public security, customs, industrial parks, high-end malls, airports, and property management.

1.2 Applicable Models

This document applies to the following models:

- PNC460
- PNC560
- PNC660
- PDC680
- PTC680
- PDC760
- PTC760
- PDM680
- HYT-P60

NOTE

- All figures in this document are only for your reference.
- This document exemplifies operations of the Hytera HyTalk MC client on the PDM680.
- If certain features are unsupported or cannot be found, you need to contact the technicians to authorize the feature.

2. Before Use

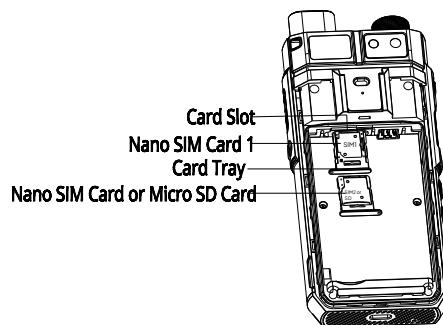
2.1 Connect to Networks

2.1.1 Install the SIM Card

Before using the Hytera HyTalk MC client on your radio, get an activated SIM card from your mobile network operator and insert it into the radio to connect to networks.

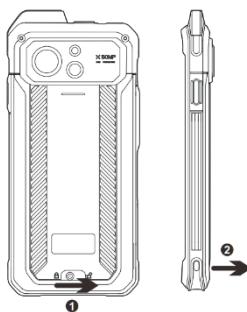
Install the SIM Card on the HYT-P60

1. Insert the card tray eject pin into the pinhole of the card tray.
2. Gently push the eject pin until the card tray pops out from the card slot.
3. Remove the card tray from the card slot.
4. Put the two Nano SIM cards or the Micro SD card into the tray, with their angled corners aligned with each side of the tray.
5. Insert the card tray back into the card slot.

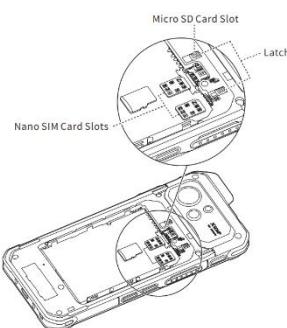


Install the SIM Card on the PNC460

1. Slide the battery cover latch to the right.
2. Insert a fingernail into the slot at the lower part of the battery cover, and then pull up the battery cover to remove it.

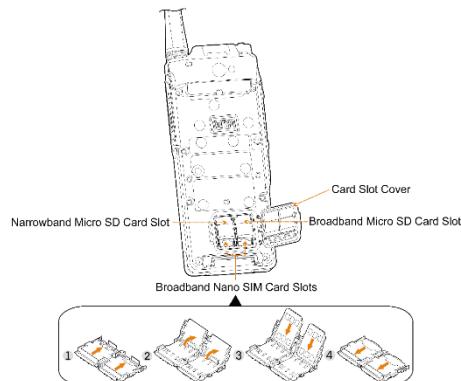


3. Remove the battery.
4. Slide the Nano SIM cards into the slots with the metal contacts facing down.



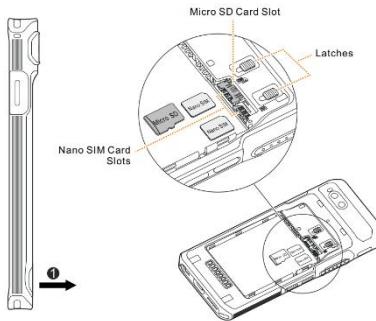
Install the SIM Card on the PTC680 and the PDC680

1. Open the card slot cover.
2. Insert the Nano SIM cards into the slots with the metal contacts facing down.
3. Put the card slot cover back in place.



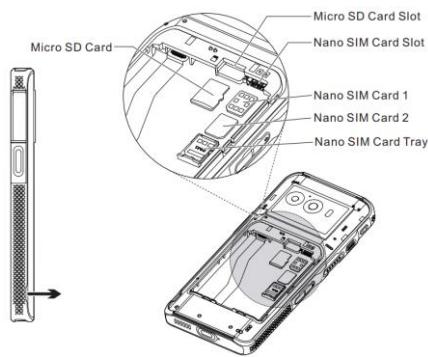
Install the SIM Card on the PNC560

1. Remove the battery cover.
2. Insert the Nano SIM cards into the slots with the metal contacts facing down.



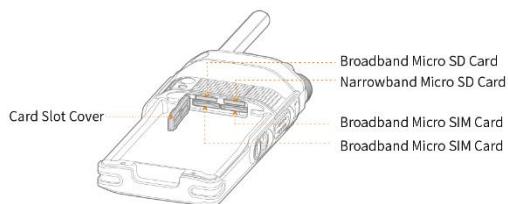
Install the SIM Card on the PNC660

1. Remove the Nano SIM card tray from the Nano SIM card slot.
2. Put the two Nano SIM cards into the tray, with their angled corners aligned with each side of the tray.
3. Insert the tray back into the Nano SIM card slot.



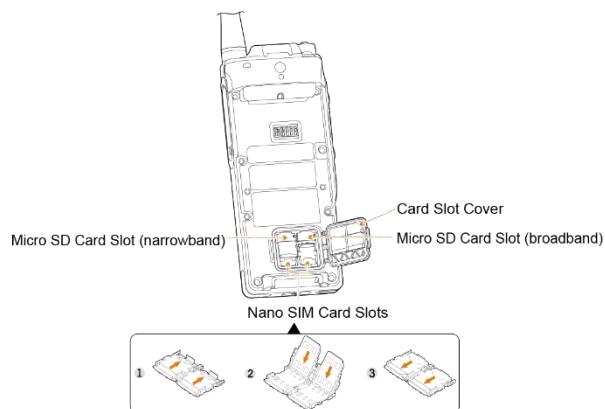
Install the SIM Card on the PDC760 and the PTC760

1. Pull the two protrusions on the top of the card slot cover and pull out the cover.
2. Install the Micro SIM card.
 - a. Pull out the Micro SIM card tray, and then put the Micro SIM card on the tray.
 - b. Insert the card tray back into the slot.
3. Align the upper end of the card slot cover with the card slot, and then push it inward.
4. Press the lower end of the card slot cover to put it back in place.



Install the SIM Card on the PDM680

1. Open the card slot cover.
2. Insert the Nano SIM cards into the slots with the metal contacts facing down.
3. Put the card slot cover back in place.



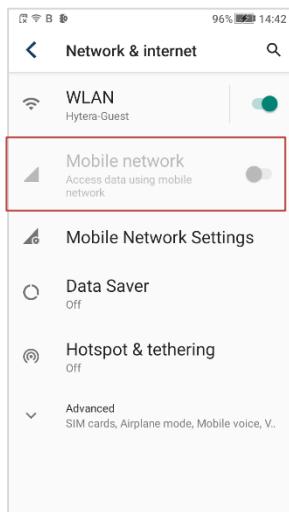
2.1.2 Turn On Mobile Network

To use the Hytera HyTalk MC client on your radio using mobile network, install SIM card on your radio, and then turn on mobile network

1. On the radio, go to **Settings > Network & internet**.



2. Tap **Mobile network**.



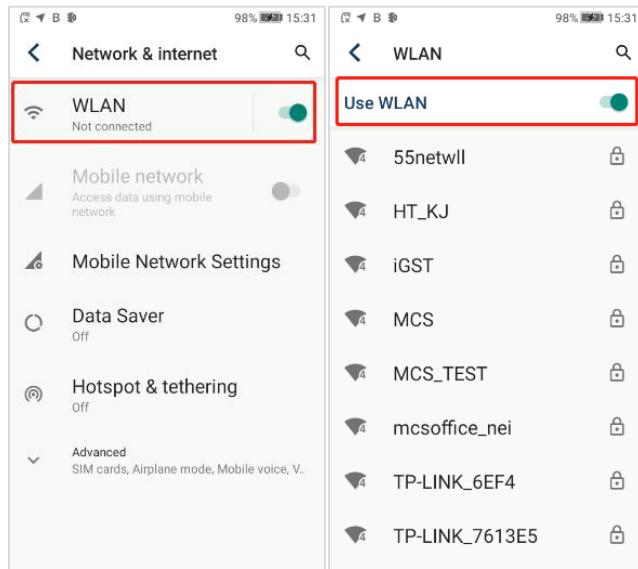
2.1.3 Turn On the WLAN

With WLAN, you can save your traffic while using the Hytera HyTalk MC client on your radio.

1. On the radio, go to **Settings > Network & internet**.



2. Go to **WLAN > Use WLAN**.



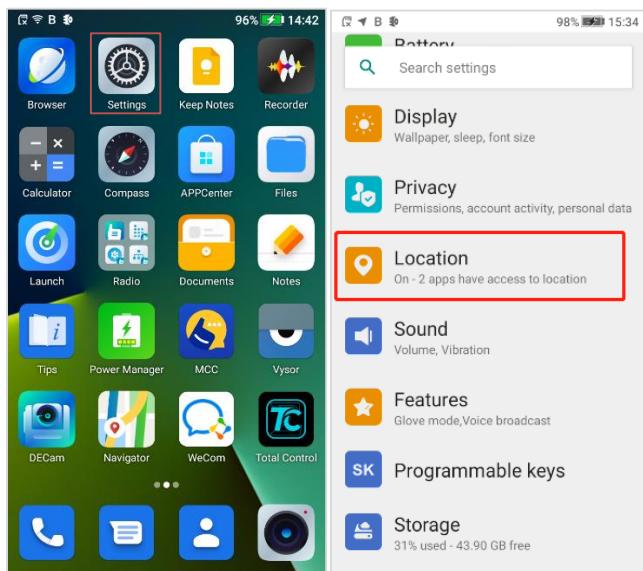
3. Select an available network in the list, enter the password, and then tap CONNECT.



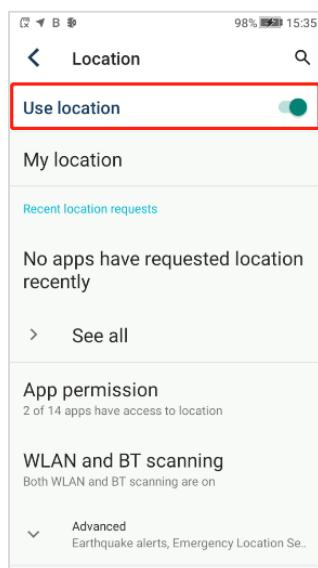
2.2 Turn On Location Services

To use the positioning feature in Hytera HyTalk MC, you must turn on location services on the radio.

1. On the radio, go to **Settings > Location**.



2. To turn on GPS, tap **Use location**.



2.3 Adjust the Call Volume

To adjust the volume for calls in Hytera HyTalk MC, change the media volume of the radio.

NOTE

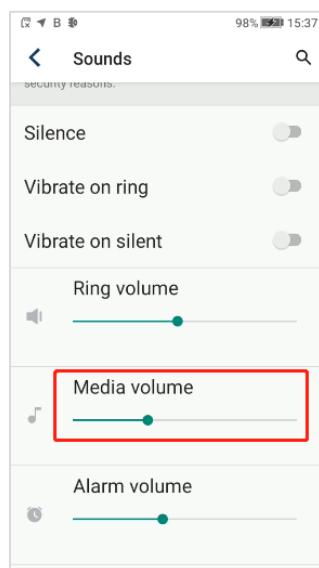
The chapter takes multi-mode advanced radios as an example. For other models, press the **Volume Up** key or **Volume Down** key, and then tap the  icon on the volume bar.

Through Settings

1. On the radio, go to **Settings > Sound**.

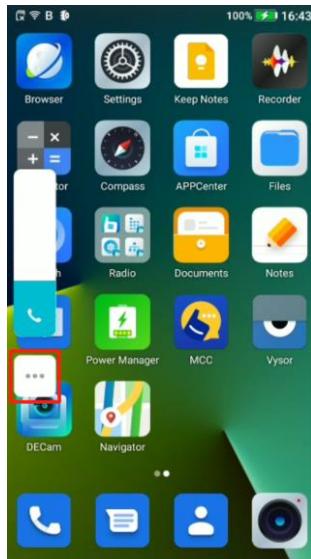


2. Below **Media Volume**, drag the slider to the left to decrease or to the right to increase the volume.

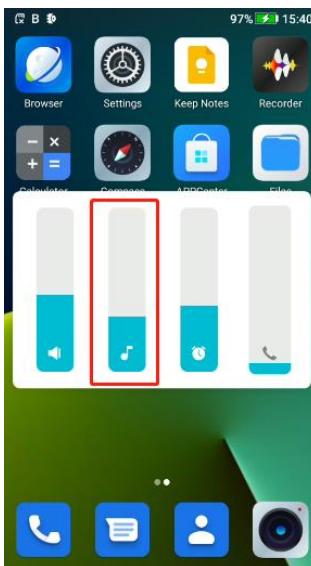


Through the Smart Knob

1. Rotate the **Smart Knob**.
2. Tap



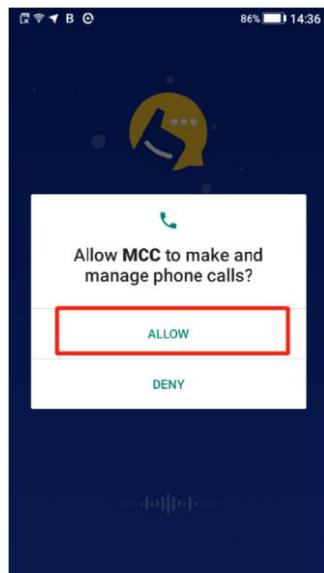
3. Drag the slider down to decrease or up to increase the volume.



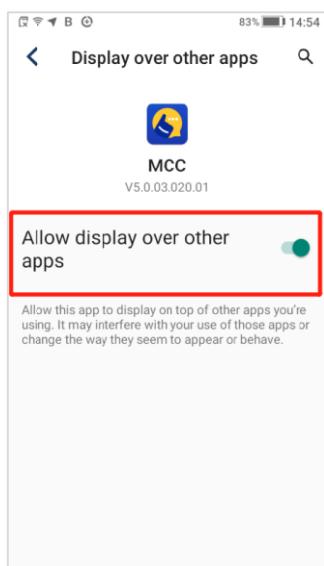
2.4 Grant Permissions to the Hytera HyTalk MC Client

When the Hytera HyTalk MC client starts for the first time, the radio displays dialogs that ask you to grant permissions that this client requires. In this case, do the following:

1. Tap **ALLOW** on every dialog.



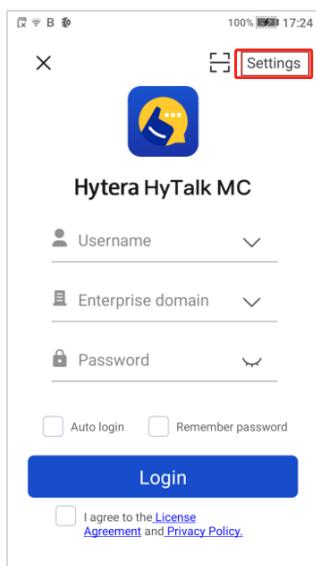
2. Tap Allow display over other apps.



3. Basic Operation

3.1 Set the Login Parameters

1. On your radio, tap the Hytera HyTalk MC client.
2. On the login interface, tap **Settings**.

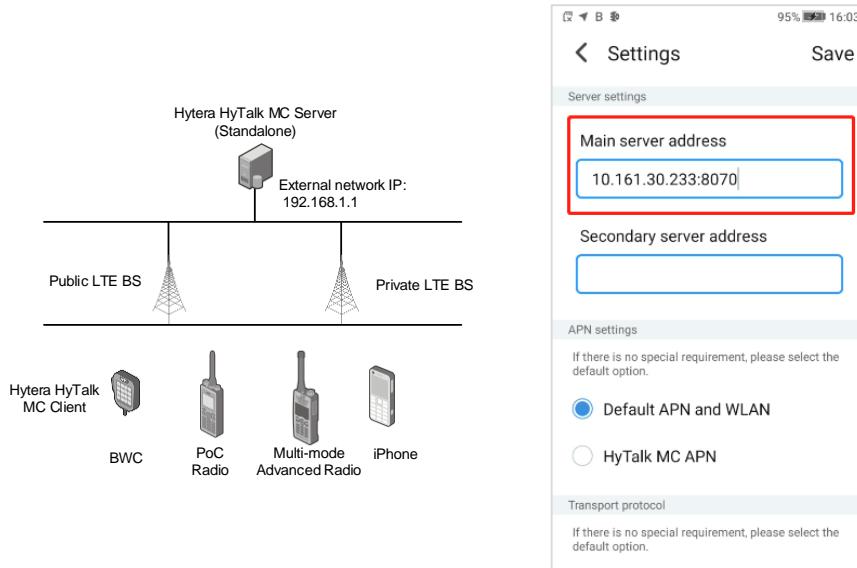


3. Set the main and secondary server addresses according to one of the following scenarios.



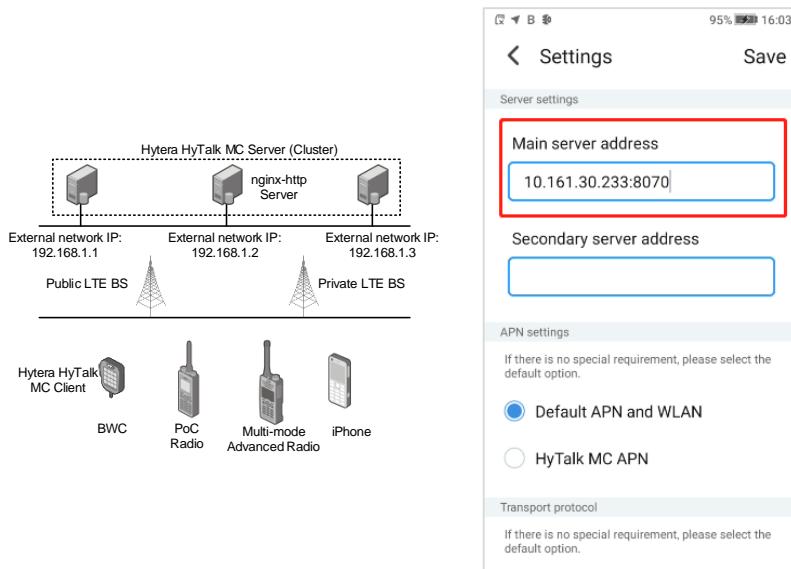
- Scenario 1: The Hytera HyTalk MC server has two network interface cards (NICs) and is deployed in standalone mode without geographic redundancy.
 - Main server address: enter the IP address and port number of the Hytera HyTalk MC server used for external networks.
 - Secondary server address: leave it empty.

For example, in the following figure, the **Main server address** is set to "10.161.30.233:8070".



- Scenario 2: The Hytera HyTalk MC server is deployed in cluster mode without geographic redundancy.
 - Main server address: enter the VIP address and MCS HTTPS port number, which are used when deploying the YSP product.
 - Secondary server address: leave it empty.

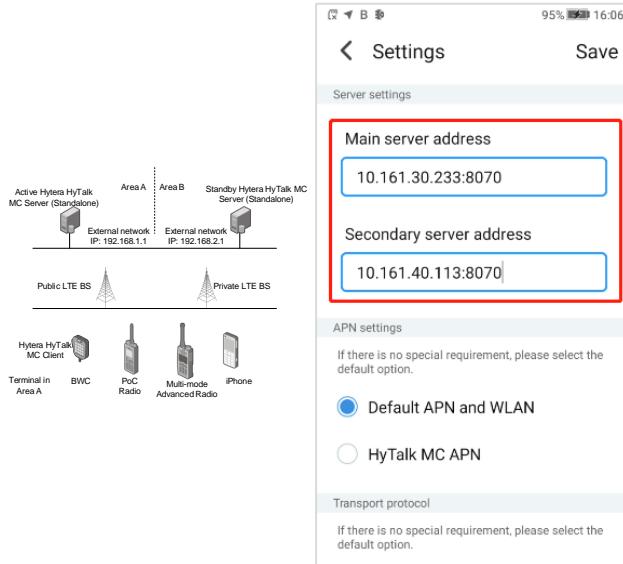
For example, in the following figure, the **Main server address** is set to "10.161.30.233:8070".



- Scenario 3: The Hytera HyTalk MC server is deployed in standalone mode with geographic redundancy.
 - Main server address: enter the IP address and port number of the active Hytera HyTalk MC server used for external networks.

- Secondary server address: enter the IP address and port number of the standby Hytera HyTalk MC server used for external networks.

For example, in the following figure, the **Main server address** is set to "10.161.30.233:8070" and the **Secondary server address** is set to "10.161.40.113:8070".

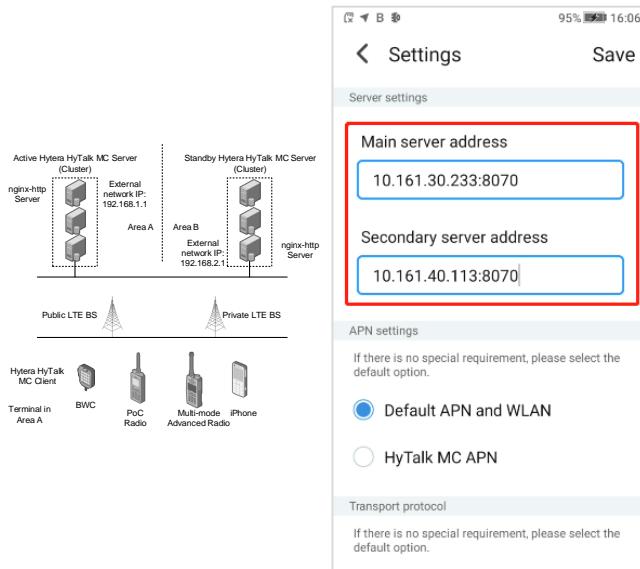


- Scenario 4: The Hytera HyTalk MC server is deployed in cluster mode with geographic redundancy.
 - Main server address: enter the IP address and port number of the active nginx-http server used for external networks.
 - Secondary server address: enter the IP address and port number of the standby nginx-http server used for external networks.

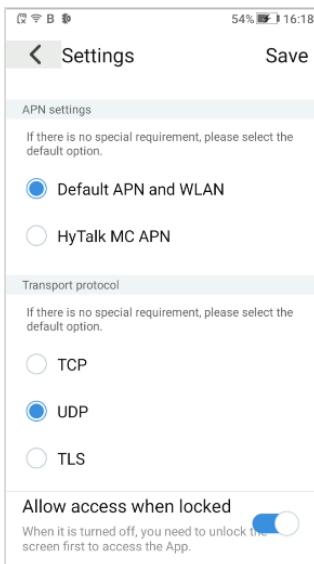
NOTE

For the IP address and port number of the nginx-http server, refer to the *Hytera HyTalk MC Server Software Installation and Configuration Guide (Standalone and Geographic Redundancy Deployment) V4.7.00_eng*.

For example, in the following figure, the **Main server address** is set to "10.161.30.233:8070" and the **Secondary server address** is set to "10.161.40.113:8070".



4. Set the access point name (APN) to one of the following values:



- Default APN and WLAN: The Hytera HyTalk MC client accesses the Hytera HyTalk MC server through the default network connection mode configured on the radio.
- MCC APN: The Hytera HyTalk MC client accesses the Hytera HyTalk MC server through the dedicated APN for the client. To use this access method, the APN configuration file must be configured and stored on the radio.

5. Set the transport protocol according to one of the following scenarios.

- Scenario 1: If you have high requirements on transmission reliability, select **TCP**.
- Scenario 2: If you have high requirements on transmission delay but not on transmission reliability, select **UDP**.
- Scenario 3: If you have high requirements on transmission security, select **TLS**.

6. Tap **Save**.

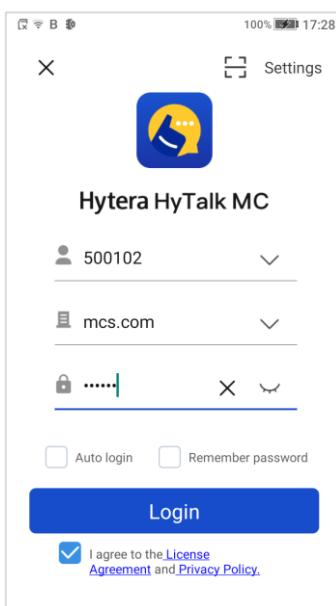
3.2 Log In to the Hytera HyTalk MC Client

Prerequisite

You have obtained the username, enterprise domain, and password from the administrator of the UNMS.

Procedure

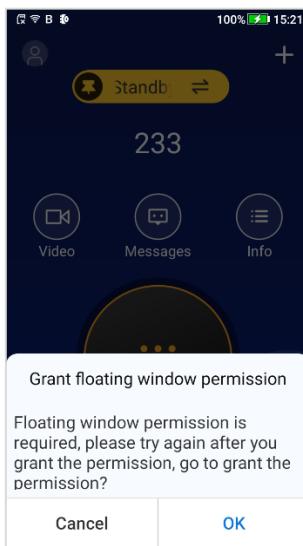
1. On the login interface of the Hytera HyTalk MC client, enter the user name, enterprise domain, and password.
2. Select **I agree to the License Agreement and Privacy Policy**.



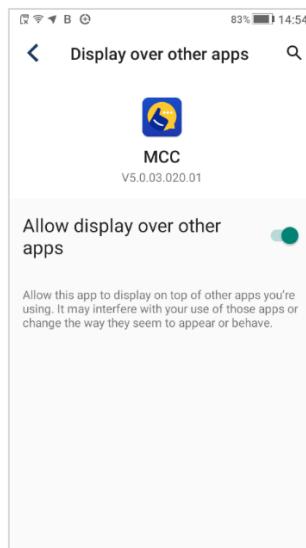
NOTE

- For convenient login next time, you can select **Auto login** and **Remember password**.
- If you enter the wrong password for consecutive times preset by the administrator of the UNMS, the account will be permanently locked.

3. Tap **Login**.
4. Tap **OK**.

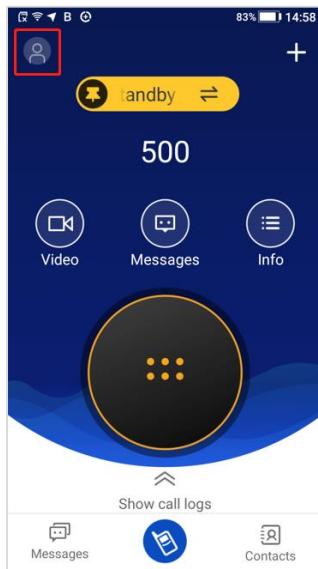


5. Tap Allow display over other apps.

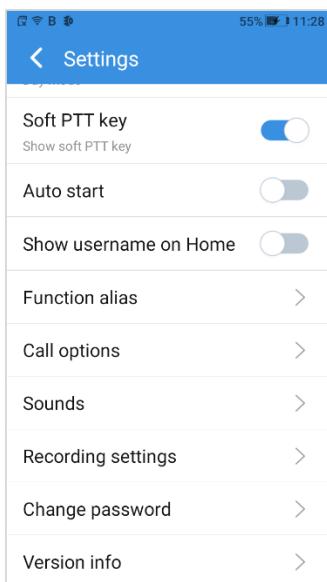


3.3 Set the Hytera HyTalk MC Client

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Set the following parameters.



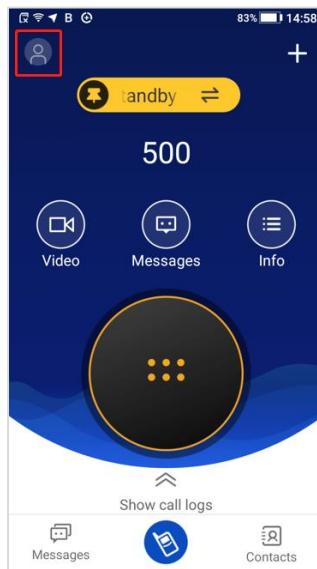
Parameter	Description
Do not disturb	Does not allow the Hytera HyTalk MC client to receive voice or video calls, but allows the client to receive muted messages.
Signature	Sets the work signature for others to learn about your work status.
Show mode	Sets the mode of the client. Options include the following: Day mode Night mode Auto mode

Parameter	Description
Soft PTT key	<p>Sets whether the on-screen PTT button is displayed.</p> <p>If you turn this feature off, you can only initiate a call or apply for the talk permit by pressing the PTT key on the side of the radio.</p>
Auto start	<p>Sets whether to enable the client to start automatically when the radio is turned on.</p>
Shows username on Home	<p>Sets whether to display your username and user ID in the upper left corner of the main interface.</p>
Function alias	<ul style="list-style-type: none"> • Sets whether to add or activate a function alias. • Once a radio binds to a function alias, other radios or the dispatcher can initiate a call to the radio through the function alias without knowing the number. • Function alias is defined by the administrator of the UNMS.
Call options	<p>For details, see 6.1 Set the Call Information.</p>
Sounds	<p>Enables or disables the alert tone of different scenarios.</p>
Recording settings	<p>Voice call recording: With this turned on, the Hytera HyTalk MC client automatically records the full-duplex and half-duplex voice calls, and saves the recording files to the radio.</p> <p>Video call recording: With this turned on, the Hytera HyTalk MC client automatically records the image and sounds of the video calls, and saves the recording files to the radio.</p> <p>Loop recording: With this turned on, when the radio's storage is insufficient, the radio automatically deletes the earliest recording files to free up space for the new recording files.</p>
Change password	<p>For details, see 3.4 Change the Password.</p>

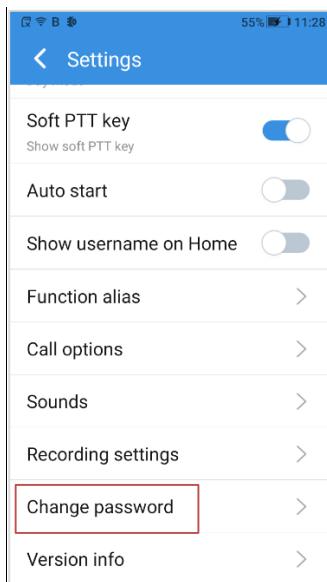
Parameter	Description
Version Info	Allows you to check the version information of the client.

3.4 Change the Password

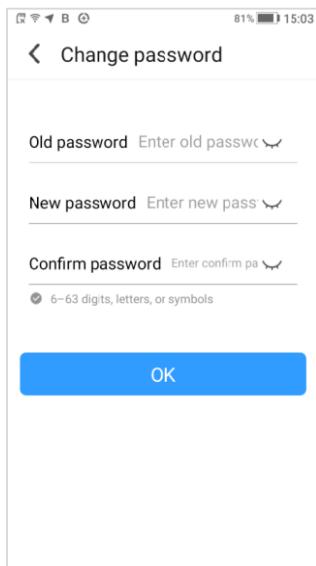
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap Change password.

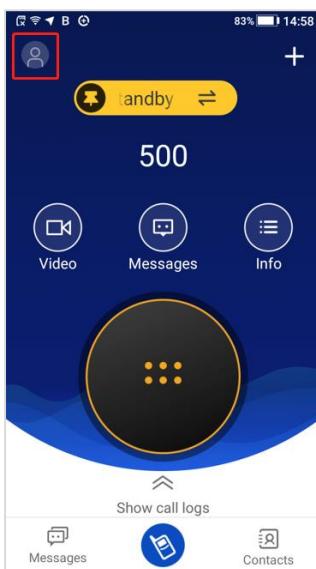


3. Enter the old password, new password, and confirm password, and then tap OK.

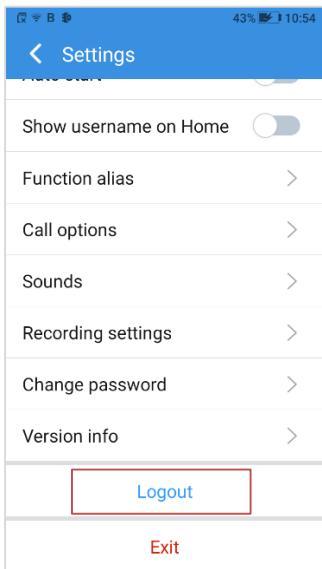


3.5 Log Out of the Hytera HyTalk MC Client

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap **Logout**.

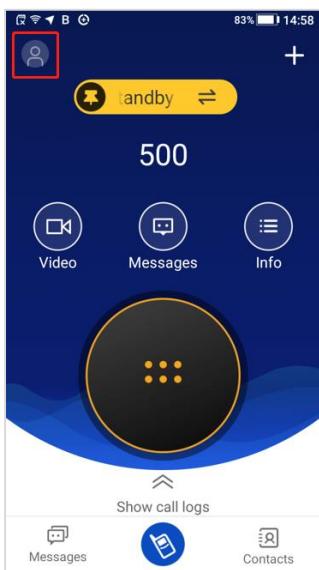


3. Tap **OK**.

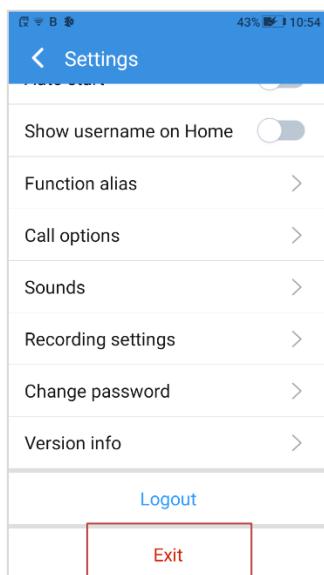
You will return to the login interface of the Hytera HyTalk MC client.

3.6 Exit the Hytera HyTalk MC Client

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap **Exit**.



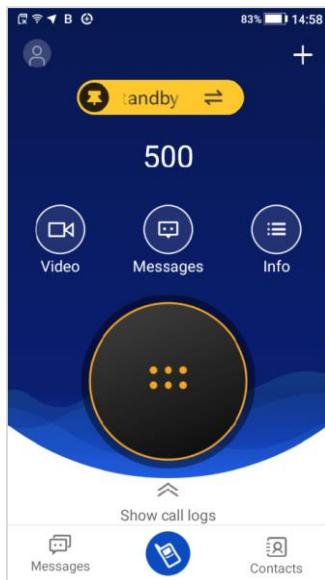
3. Tap **OK**.

You will return to the home screen of the radio.

4. Product Interface

4.1 Home Screen

The home screen of the Hytera HyTalk MC client is shown as below.

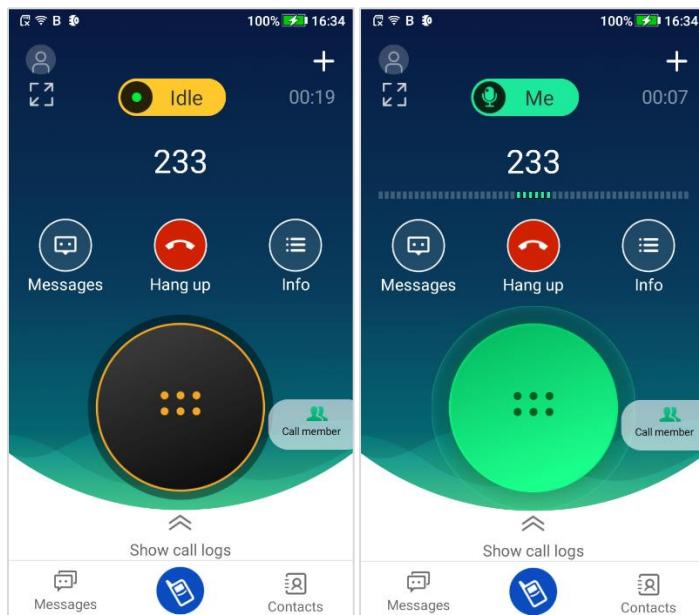


Icon	Description
	Open the Settings menu.
	Access more functions.
	Switch the standby group.
	Describe the alias or ID of the standby group (The example group alias is "500").
	Initiate a video call to the standby group.
	View messages exchanged with the standby group.
	View detailed information of the standby group.
	On-screen push-to-talk (PTT) button.
	View call logs.
	View all messages.

Icon	Description
	Return to the home screen.
	Access the contacts.

4.2 Voice Call Screen

The voice call screen of the Hytera HyTalk MC client is shown as below.

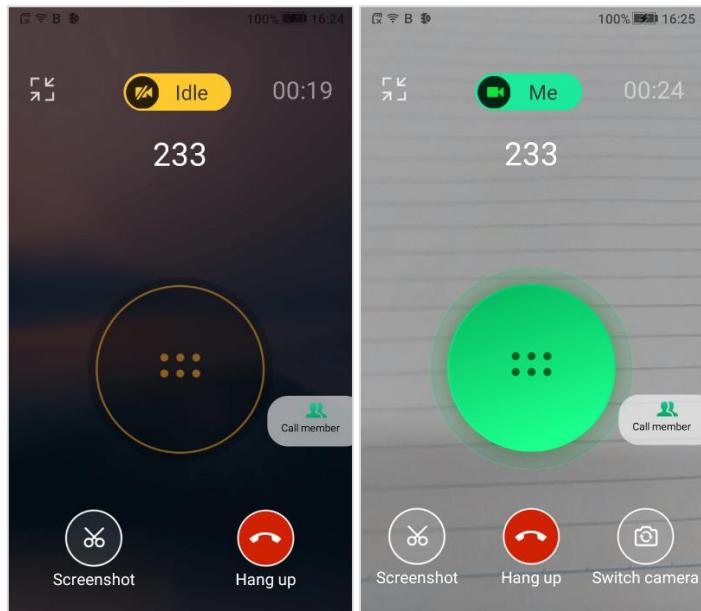


Icon	Description
	Show the Hytera HyTalk MC client in the floating window.
	Indicate unencrypted voice call
	Indicate encrypted voice call
	Indicate that the caller or callee is speaking in the call.
	Indicate on-screen PTT button
	View messages exchanged with the contact in the call.
	Exit or end the call.

Icon	Description
	View the detailed information of the contact in the call.
	View members of the voice group call.

4.3 Video Call Screen

The video call screen of the Hytera HyTalk MC client is shown as below.

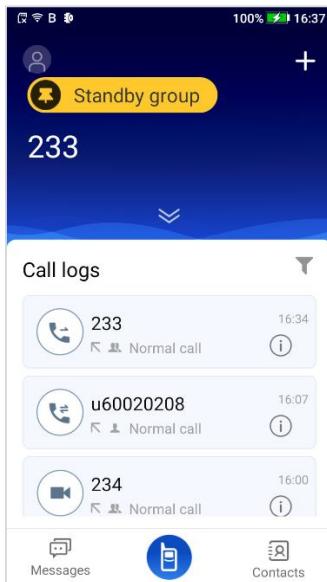


Icon	Description
	Show the Hytera HyTalk MC client in the floating window.
	Indicate unencrypted video call
	Indicate encrypted video call
	Indicate that the caller or callee is speaking in the call.
	Indicate on-screen PTT button
	Switch between the front camera and the rear camera.
	Exit or end the call.

Icon	Description
	View members of the video group call.
	Take a screenshot.

4.4 Call Log Screen

The call log screen of the Hytera HyTalk MC client is shown as below.

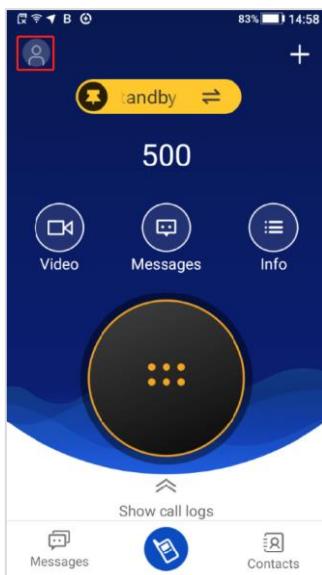


Icon	Description	Icon	Description
	Half-duplex voice call		Video call
	Full-duplex voice call		Missed call
	Incoming call		Group call
	Outgoing call		Private call

5. Contacts

5.1 Check Your Information

On the home screen of the Hytera HyTalk MC client, tap .



You can view your username and ID.

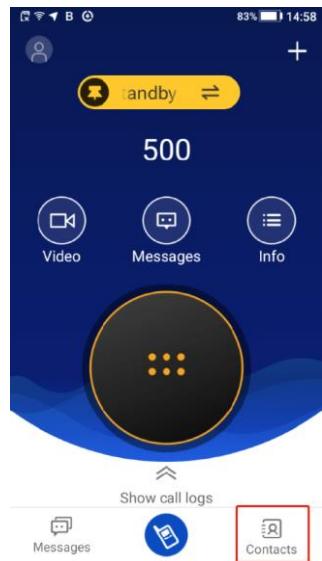


NOTE

If the username is not set during user profile creation, only user ID is displayed.

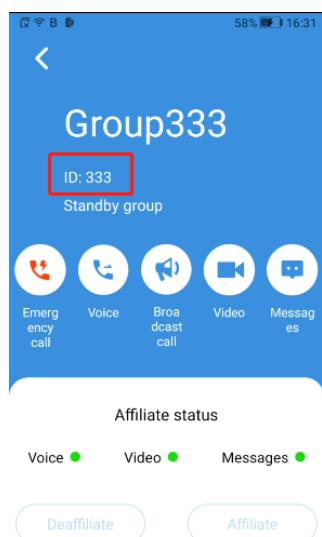
5.2 Check Group IDs and Members

1. On the home screen of the Hytera HyTalk MC client, tap .

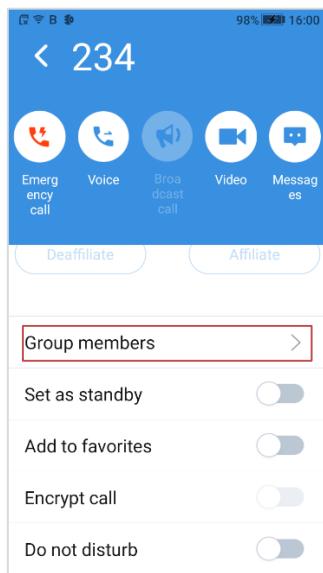


2. Tap a group.

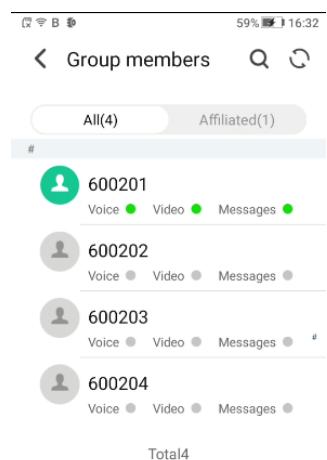
You can view the group ID.



3. Tap Group members.

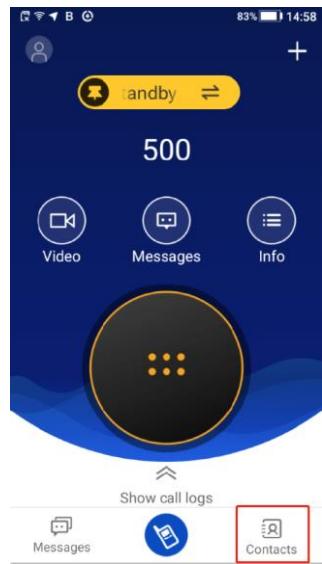


You can view all members in the group.

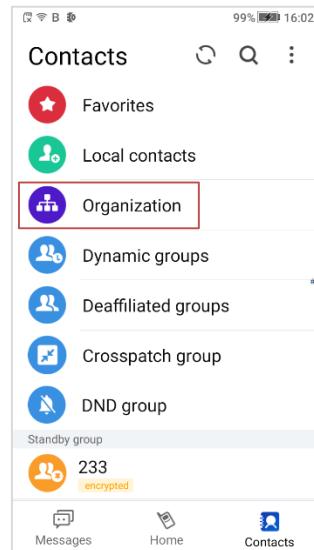


5.3 Check the Organization

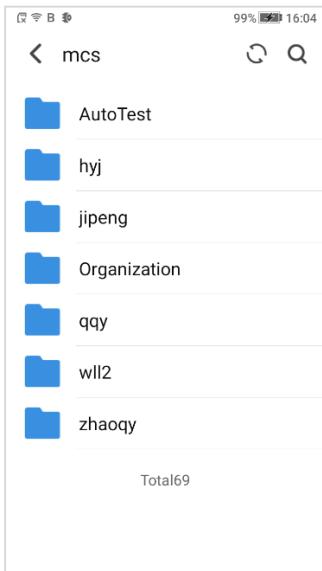
1. On the home screen of the Hytera HyTalk MC client, tap .



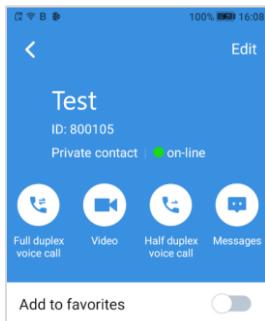
2. Tap Organization.



3. Tap an organization that you want to view.



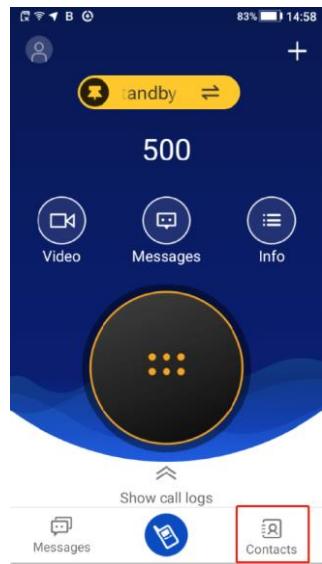
4. (Optional) Tap a user, and then you can initiate a call or send messages to the user or access other settings.



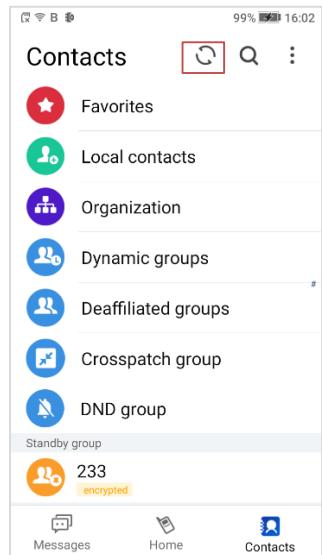
5.4 Update Group Information

After group information is updated on the UNMS, the Hytera HyTalk MC client will receive the notification and then update the group information automatically. If the Hytera HyTalk MC client disconnects from the UNMS, the app might fail to receive the notification and upgrade the group information. In this case, you can manually update the group information.

1. On the home screen of the Hytera HyTalk MC client, tap .



2. In the upper right corner, tap .

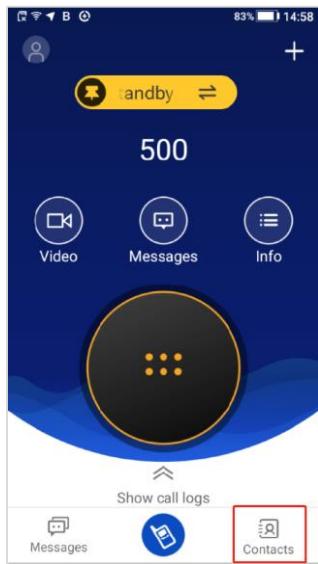


5.5 Add Private Contacts

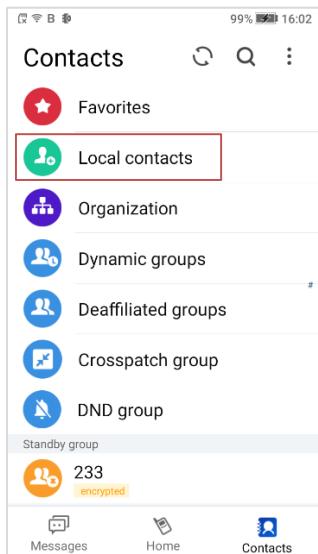
You can add the private contacts that you frequently use, TETRA numbers, or DMR numbers to the **Local contacts** list, which helps you quickly initiate a call to the user you added.

Through Contacts

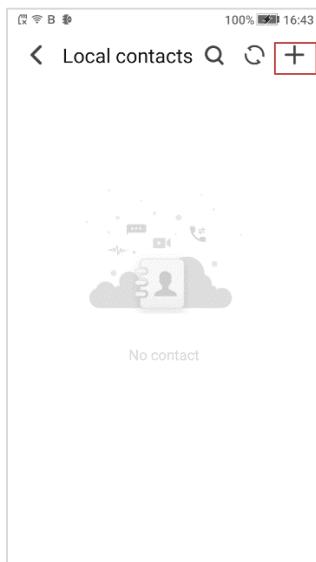
1. On the home screen of the Hytera HyTalk MC client, tap .



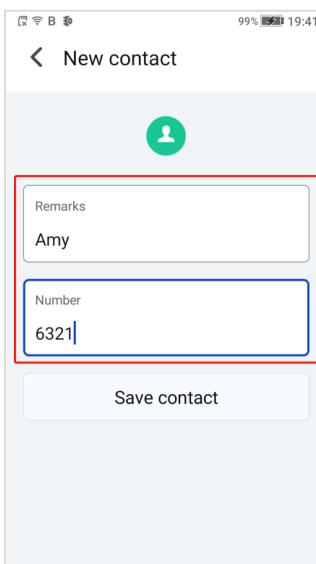
2. Tap **Local contacts**.



3. Tap **+**.



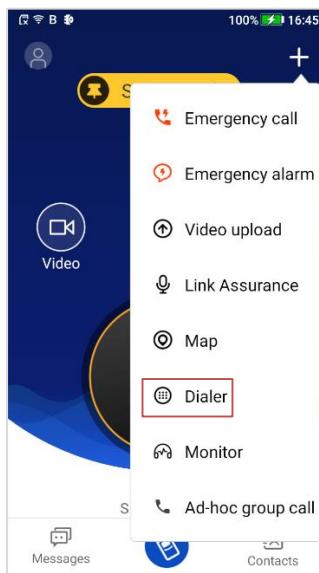
4. Enter the name and number of the private contact.



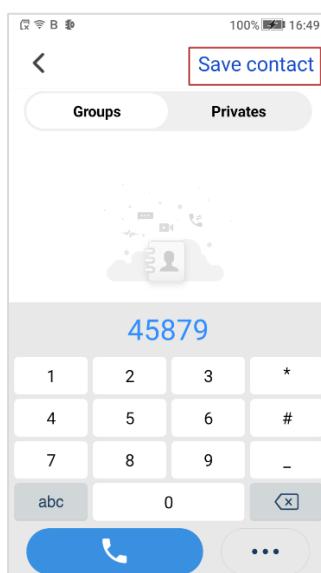
5. Tap **Save contact**.

Through the Dialer

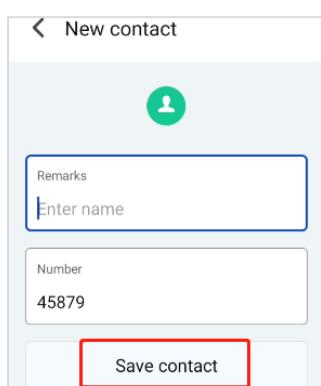
1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Dialer**.



2. On the dailpad, enter the number of the contact, and then tap **Save contact**.



3. Enter the name of the contact, and then tap **Save contact**.



You can view the added contact in > **Local contacts**

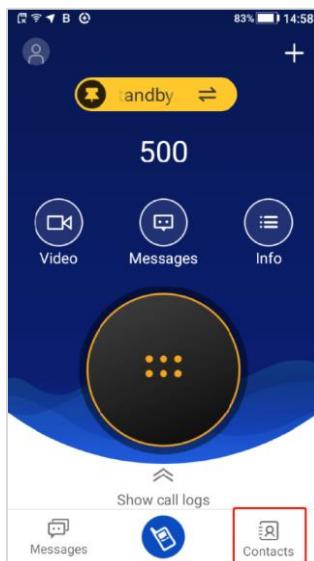
5.6 Add Contacts to the Favorites

You can add frequently-used private contacts to the favorites list.

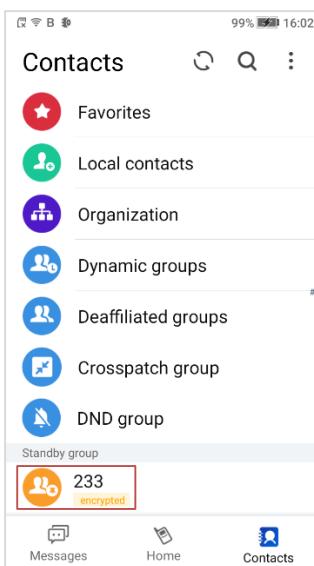
NOTE

The favorites list is stored locally. Therefore, when you log in from another radio, the favorites list will not be displayed.

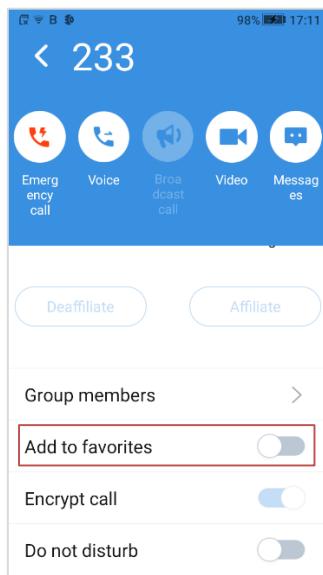
1. On the home screen of the Hytera HyTalk MC client, tap .



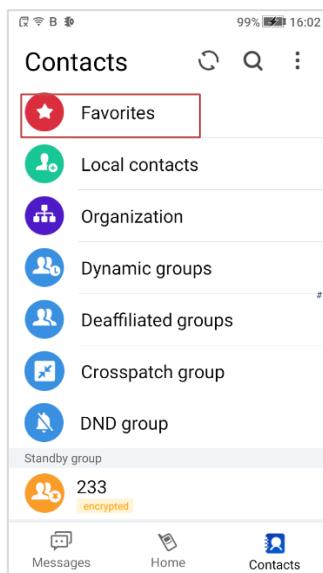
2. Tap a group.



3. Scroll down the screen, and then tap **Add to favorites**.



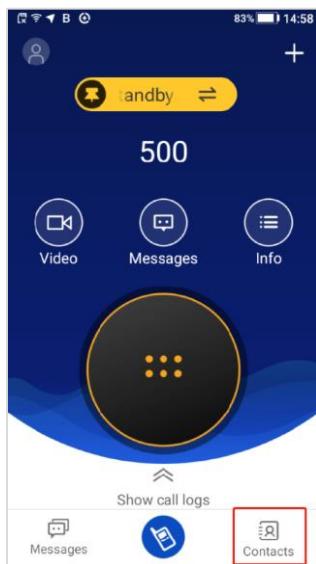
You can view the favorite contacts in **Favorites**.



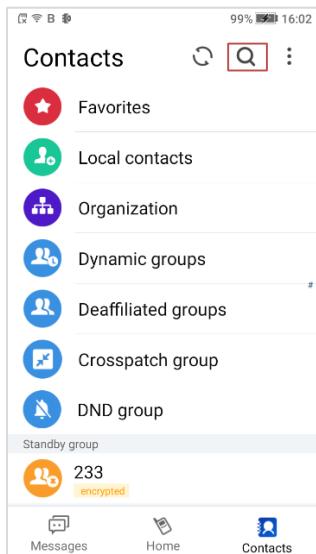
5.7 Search for Contacts or Groups

You can search for a contact or a group through names or numbers.

1. On the home screen of the Hytera HyTalk MC client, tap .



2. In the upper right corner, tap .

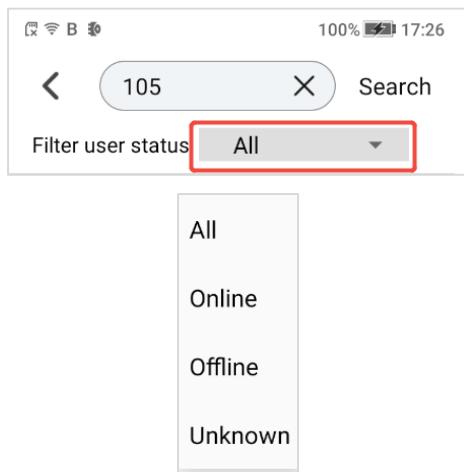


3. In the search box, enter the name or number of the contact you want to search, and then tap **Search**.

To see all search results, tap **More**.

4. (Optional) When the user status is known, filter the search results by a user status.

- Beside **Filter user status**, tap the drop-down list.
- Select **Online**, **Offline**, or **Unknown**.



NOTE

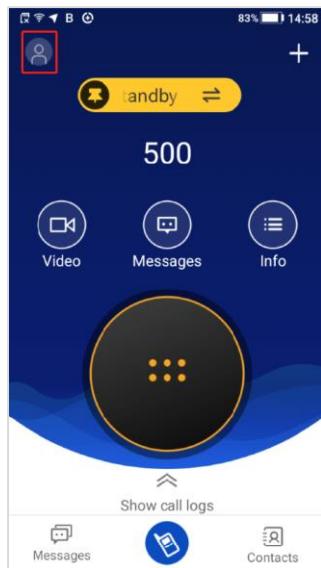
- If the contact you want to search is an external contact that is not part of an organization (such as a TETRA contact or a DMR contact), select **Unknown** to filter the contact.
- If the search results are groups, you cannot filter the group results by status because groups do not have statuses such as online, offline, or unknown.

- c. In the filtered results, tap a contact to see the contact details.

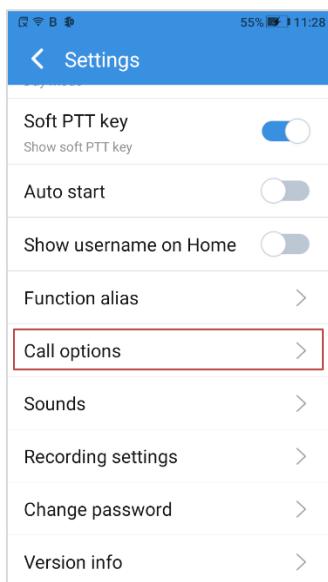
6. Service Settings

6.1 Set the Call Information

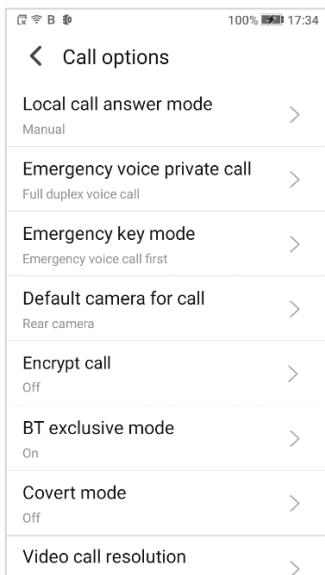
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap Call options.



3. Set the call-related parameters.



Parameter	Description
Local call answer mode	Sets your answer mode. Options include the following: Manual: You need to manually answer a call. Automatic: You can answer a call without any operation.
Emergency voice private call	Set your emergency voice private call mode. Options include the following: Full duplex voice call: You can initiate a full-duplex emergency voice private call. Half duplex voice call: You can initiate a half-duplex emergency voice private call.
Emergency key mode	Sets the action when you press the emergency key. Options include the following: <ul style="list-style-type: none"> Emergency voice call first: An emergency voice call is initiated to the preset contact. Emergency video call first: An emergency video call is initiated to the preset contact. Emergency alarm: A status message indicating an emergency alarm is sent to the preset contact.
Default camera for call	Sets the default camera used in a video call. Options include the following: <ul style="list-style-type: none"> Rear camera Front camera

Parameter	Description
Encrypt call	With this feature turned on, the calls will be encrypted with specific algorithms to ensure security.
BT exclusive mode	Sets whether to enable BT exclusive mode. With this feature turned on, the completeness of voice output through the BT earpiece is better ensured, but voice performance for other apps may be affected.
Covert mode	Sets whether to enable covert mode. With this feature turned on, audio is output only through the BT earpiece or wired earpiece connected to the radio, and the radio screen remains dark.
Video call resolution	Sets the video resolution of video calls. Video resolution during a call is based on the settings of the caller. Options include the following: General Standard High definition

4. Tap  to return to the **Call options** interface.

6.2 Affiliate with Groups

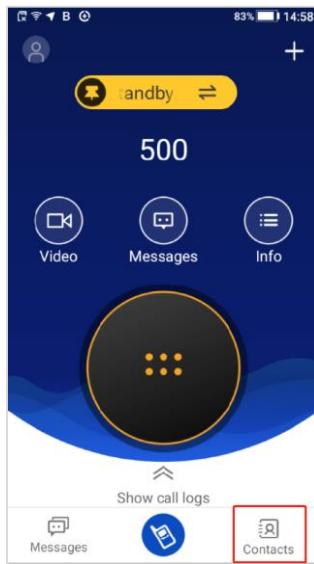
Before you make a group call or send messages to a group or receive a group call or group messages with the current account, you must affiliate the account with the group. Otherwise, you can initiate only emergency services to this group but cannot receive emergency services from this group.

Groups will be automatically affiliated in the following scenarios:

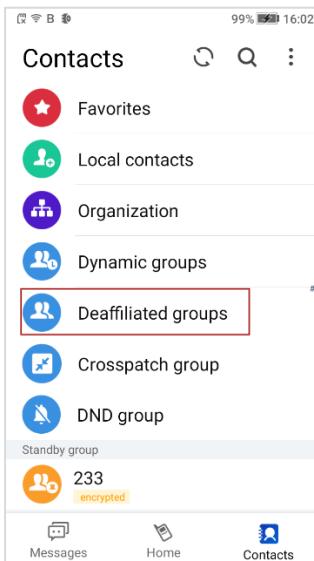
- When you do not set the standby group, you will affiliate with the first group distributed by the UNMS.
- You will affiliate with the standby group and the dynamic group.
- When you make an emergency call to a deaffiliated group, you will affiliate with this group.

Affiliate a Single Group

1. On the home screen of the Hytera HyTalk MC client, tap .



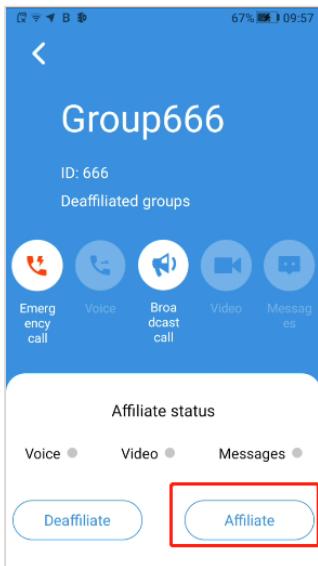
2. Tap **Deaffiliated groups**, and then tap a group.



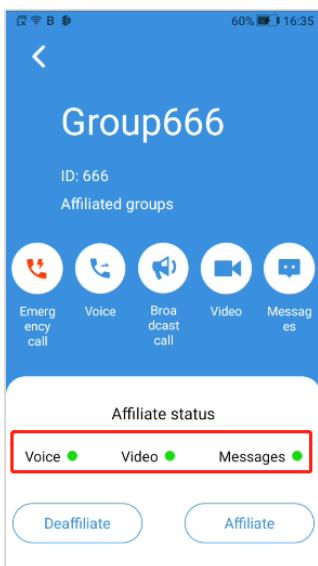
NOTE

If it is empty under **Deaffiliated group**, all groups are affiliated.

3. Tap **Affiliate**.



When the dots under **Affiliate status** change from gray to green, the group is affiliated.

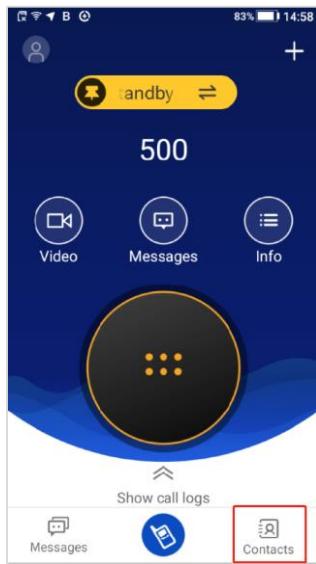


NOTE

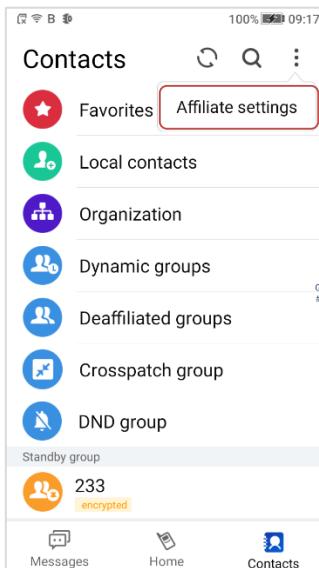
If **Force affiliated group** is displayed under the ID, you have been forcibly affiliated to the group by the administrator of the UNMS. You can tap  to search for the message by keyword to save time.

Affiliate Multiple Groups

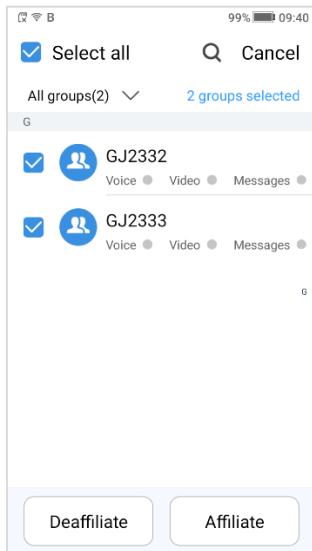
1. On the home screen of the Hytera HyTalk MC client, tap .



2. In the upper right corner, tap , and then tap **Affiliate settings**.



3. Tap the groups that you want to affiliate with the account.



4. Tap **Affiliate**.
5. When "Success" is prompted, tap **Cancel** to exit the interface.

6.3 Set the Standby Group

After you set a group as the standby group, you can press the **PTT** key to initiate a call to the standby group. The number displayed on the home screen of the Hytera HyTalk MC client is the number of the standby group.

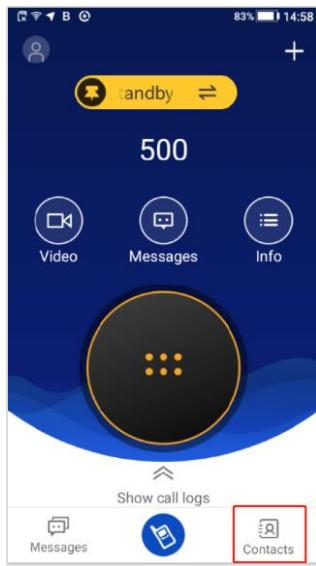
Do either of the following to set the standby group.

Through the Switch Button

1. On the home screen of the Hytera HyTalk MC client, tap .
2. Tap a group to set it as the standby group.

Through the Contact interface

1. On the home screen of the Hytera HyTalk MC client, tap .

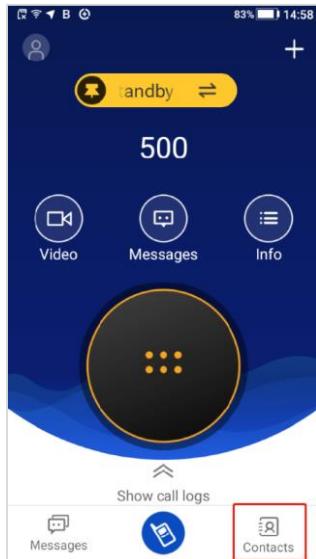


2. Swipe up on the screen, and then tap a group.
3. Swipe up on the screen, and then tap following **Set as standby**.

6.4 Turn On Do Not Disturb for a Group

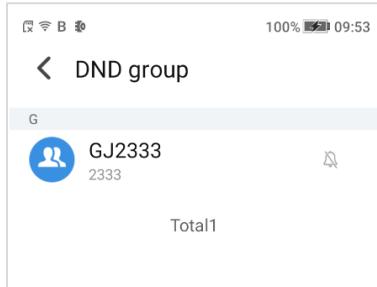
After you turn on the Do Not Disturb feature for a group, you will receive muted messages from this group, and will not receive voice calls or video calls from this group.

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Swipe up on the screen, and then tap a group.
3. Swipe up on the screen, and then tap following **Do not disturb**.
4. In the upper left corner, tap  to return to the **Contacts** interface.
5. Tap **DND group**.

You can view the groups that have been set to Do Not Disturb in the list.



6.5 View the Call Logs

1. On the home screen of the Hytera HyTalk MC client, tap to show call logs.

You can view call logs on the **Call logs** interface.

2. (Optional) Do the following.

If You Want to...	Then...
Initiate a call to a private contact	<p>Tap a private call log.</p> <p>You can only initiate a call of the same call type as the call log.</p>
Initiate a call to a group	<p>Tap a group call log.</p> <p>You can only initiate a call of the same call type as the call log.</p> <p>Touch and hold a group call log, and then select Emergency call, Voice, or Video.</p>
Send a message to a group	Touch and hold a group call log, and then select Messages .
Filter the call logs	<ol style="list-style-type: none">1. Tap .2. On the Filter call logs interface, tap By call direction, By call type, By call time to select a condition to filter call logs.

7. Voice Services

7.1 Voice Group Call

A voice group call is a half-duplex call made by one user to all other users in a group. There are two floor modes in a voice group call, namely single-talker mode and multi-talker mode. During the single-talker mode, only one group member can speak at a time. During the multi-talker mode, at most six members can speak at a time.

NOTE

The single-talker mode or the multi-talker mode is set on the UNMS.

7.1.1 Initiate Voice Group Calls

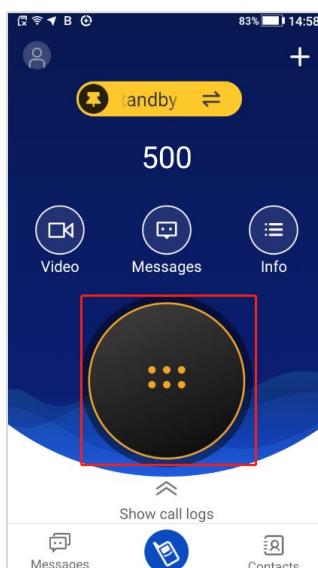
Prerequisite

You have affiliated with the group. For details, see [6.2 Affiliate with Groups](#).

Operation

Through the Standby Group

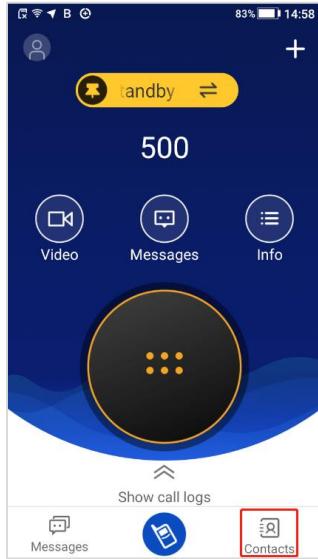
1. On the home screen of the Hytera HyTalk MC client, tap  to initiate a call to the group..



2. To speak, touch and hold  or press and hold the PTT key.
3. After finishing speaking, release  or the PTT key.

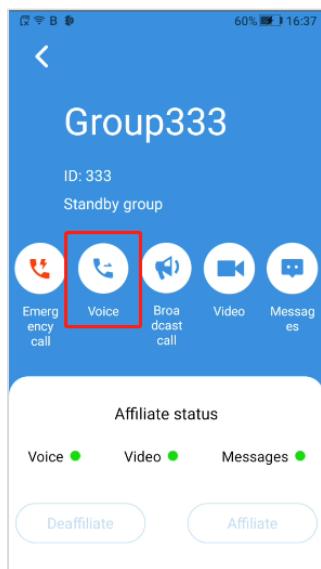
Through Group Contacts

1. On the home screen of the Hytera HyTalk MC client, tap .

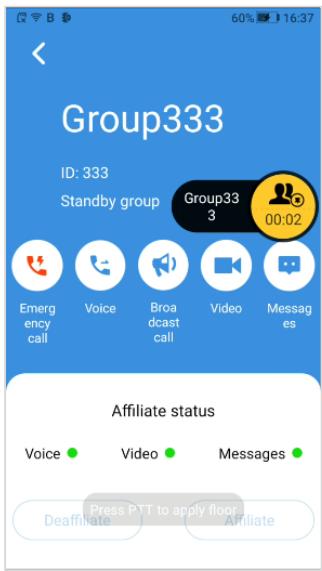


2. Tap a group.

3. Tap **Voice**.

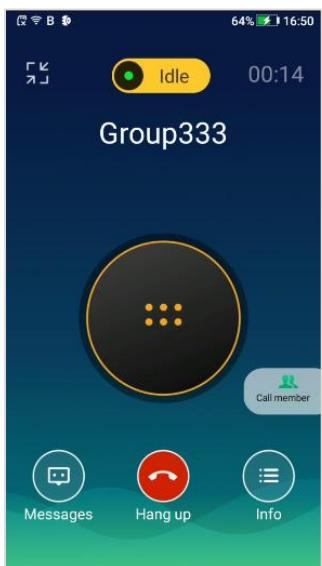


The floating window  for the call appears.

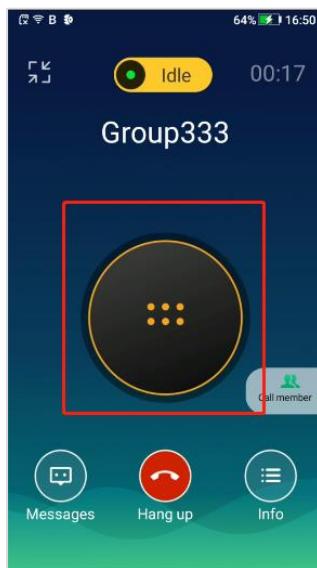


4. Tap the floating window .

The call screen appears.



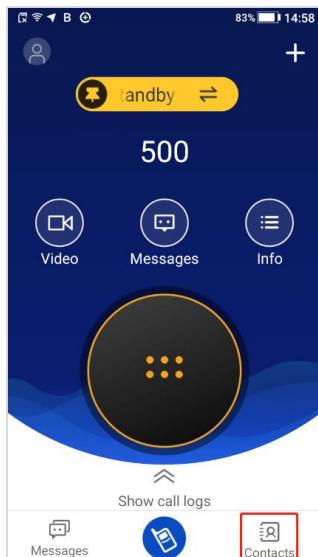
5. To speak, touch and hold  or press and hold the PTT key.



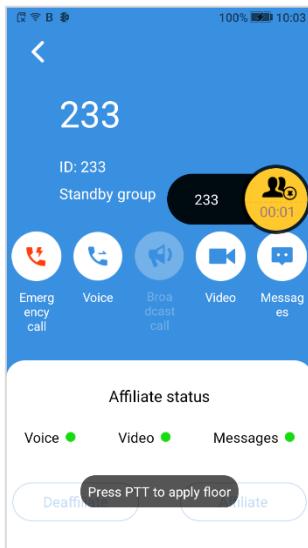
6. After finishing speaking, release  or the PTT key.

Through Favorite Contacts

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap **Favorites**.
3. Tap a group.
4. Tap **Voice**.
5. Tap .



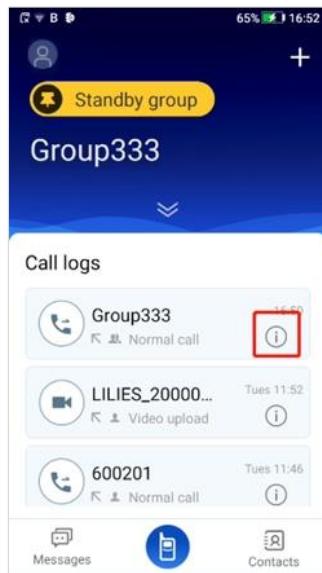
6. To speak, touch and hold  or press and hold the **PTT** key.
7. After finishing speaking, release  or the **PTT** key.

Through Call Logs

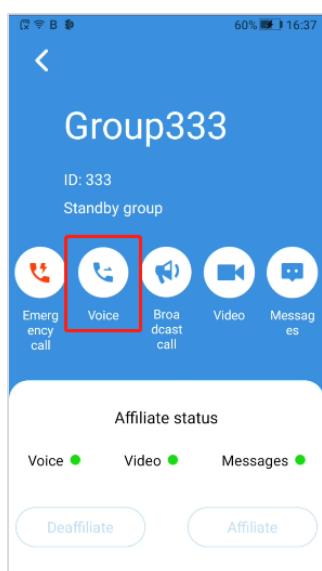
1. On the home screen of the Hytera HyTalk MC client, tap .



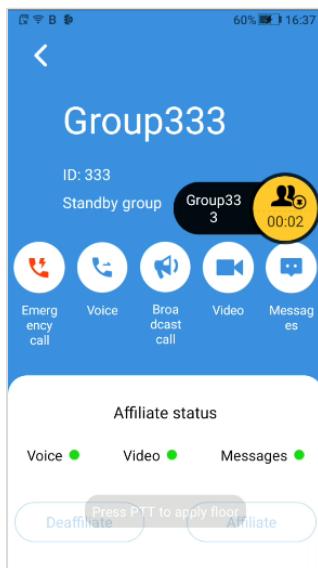
2. Tap  following a group (marked by ).



3. Tap **Voice**.



The floating window for the call appears.



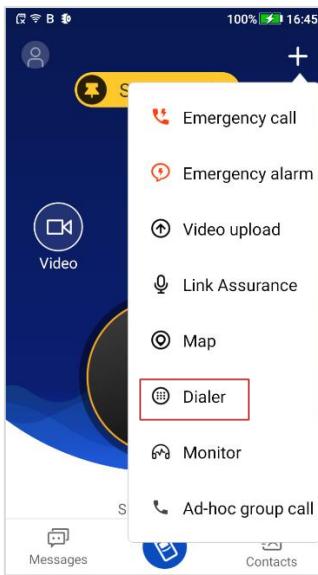
4. Tap the floating window

The call screen appears.

5. To speak, touch and hold or press and hold the PTT key.
6. After finishing speaking, release or the PTT key.

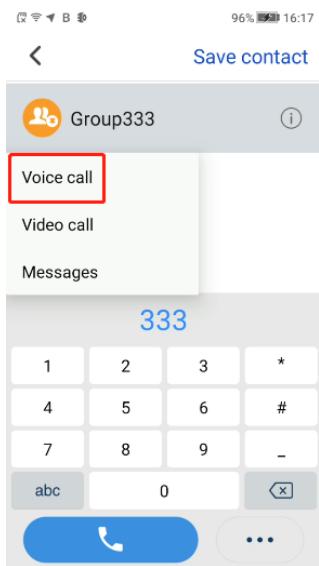
Through the Dialer

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Dialer**.

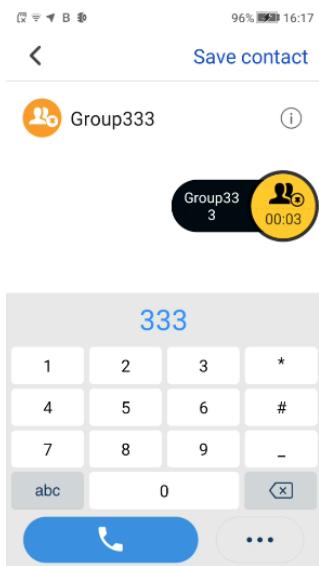


2. Do either of the following:

- Enter the number of a group contact, and then tap the group contact.
- Enter the number of a group contact, touch and hold the group contact until a menu pops up, and then tap **Voice call**.



The floating window of the call  appears.



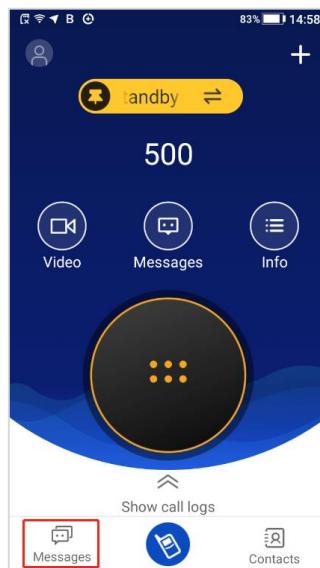
3. Tap the floating window .

The call screen appears.

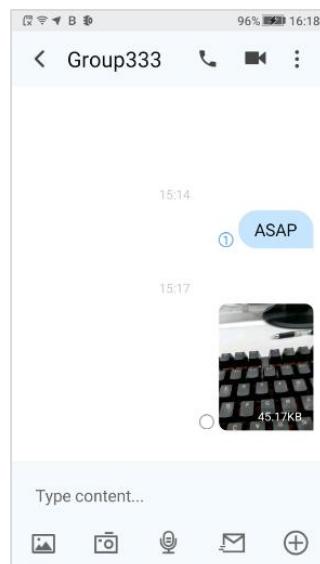
4. To speak, touch and hold  or press and hold the PTT key.
5. After finishing speaking, release .

Through Messages

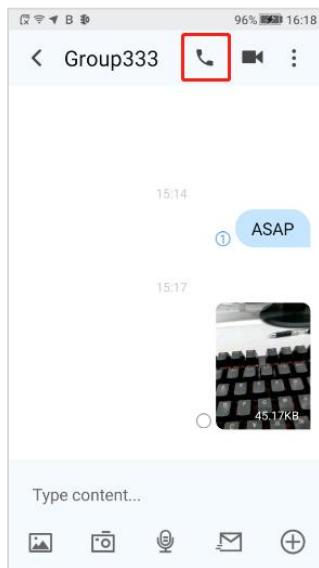
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap a group conversation.



3. Tap .



The floating window of the call  appears.



4. Tap the floating window .

The call screen appears.

5. To speak, touch and hold  or press and hold the PTT key.
6. After finishing speaking, release .

7.1.2 Receive Voice Group Calls

Prerequisite

You have affiliated with the group. For details, see [6.2 Affiliate with Groups](#).

Operation

You can answer a voice group call without any operation.

7.1.3 End Voice Group Calls

A group call ends in one of the following cases:

- The caller taps  **Hang up**.

NOTE

If the callee taps this key, the callee exits the call without affecting other members.

- The call hang time expires.
- The total call time expires.

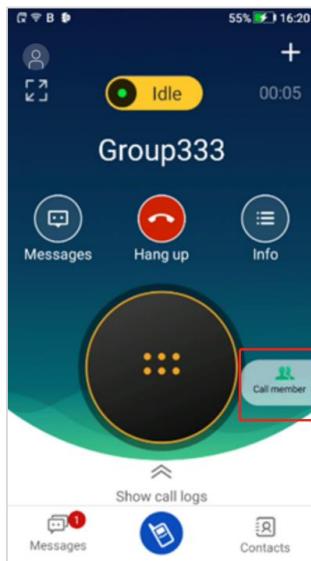
7.1.4 View Voice Group Call Members

Prerequisite

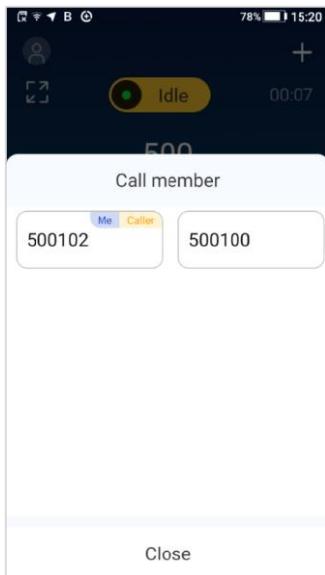
Group Call Control is enabled on the UNMS.

Operation

1. On the voice group call screen of the Hytera HyTalk MC client, tap **Call member**.



2. View the group call members.



When a group member exits the call, other group members will receive the prompt.

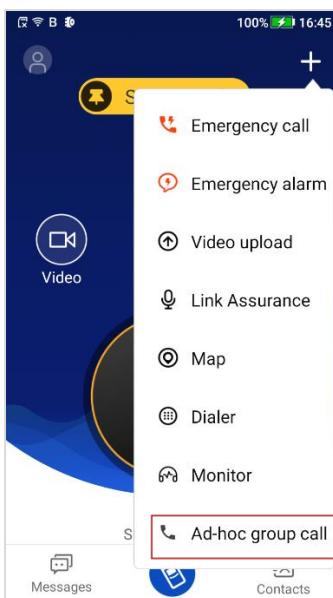
7.1.5 Initiate Ad-hoc Group Calls

You can initiate an ad-hoc group call to selected members.

NOTE

- You do not need to affiliate a member to the group to initiate an ad-hoc group call
- Before initiating an ad-hoc group call, you need to make sure that at least one called member is online.

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Ad-hoc group call**.



2. On the left of a group, tap  to select the group.

3. Tap **Voice**.

During a call, the interface displays the number of the speaking user and the ad-hoc group number.

4. Speak directly to the microphone.

5. After finishing speaking, tap .

6. To end the call, tap .

7.1.6 Late Entry

Late Entry allows you to include radios in an ongoing group call after the call has been set up. The group members may fail to join the group call because they are not logged in, not affiliated to the group, or because of other situations.

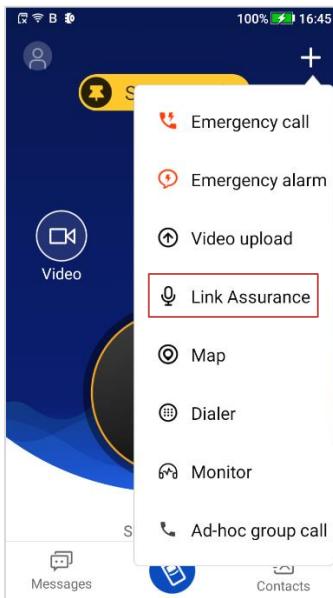
7.2 Voice Report

In a group call, if you need to report your work status periodically, you can record audio in advance, and then enable the Hytera HyTalk MC client to report your recording automatically. This makes you focus on your ongoing work.

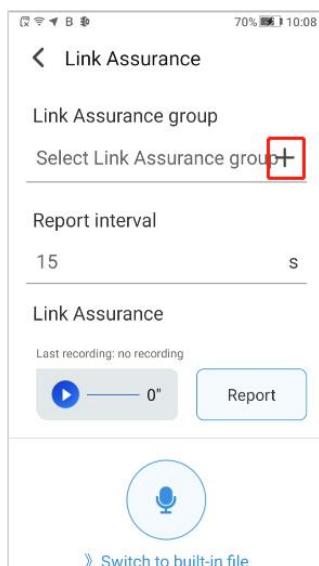
NOTE

- Only one member is allowed to make a voice report at one time.
- When a call arrives, the recording will not be interrupted, but its volume will be reduced.

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Link Assurance**.



2. Under **Link Assurance group**, tap **+**, and then select a group.



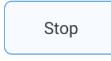
3. Set **Report interval**.

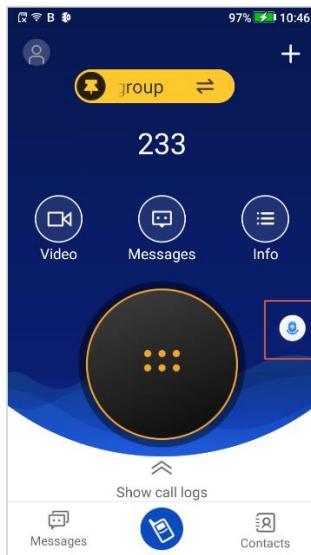
4. Do one of the following to report the recording.

- To customize the recording, touch and hold  to record audio.
- To use the default recording, tap **Switch to built-in file**.

5. Tap .

6. (Optional) To stop the automatic report, do either of the following:

- Tap .
- On the home screen of Hytera HyTalk MC Client, tap , and then tap .

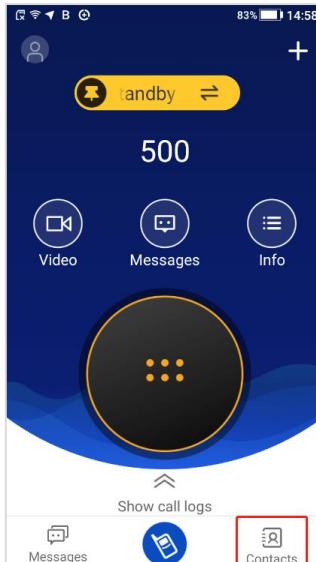


7.3 Voice Private Call

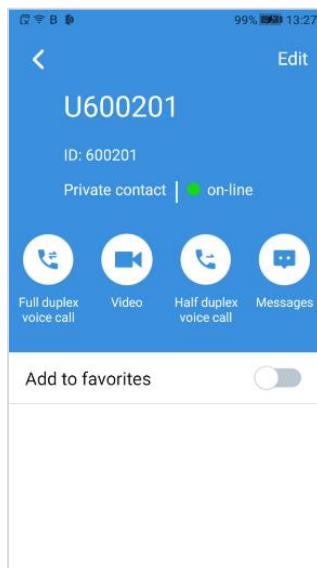
A voice private call is a call from one individual to another. It includes the half-duplex voice private call and full-duplex voice private call. During the half-duplex voice private call, only one party can talk at a time. During the full-duplex voice private call, both the caller and callee can talk simultaneously.

7.3.1 Initiate Voice Private Calls Through Local Contacts

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap **Local contacts**, and then tap a private contact.
3. Tap **Half duplex voice call** or **Full duplex voice call**.

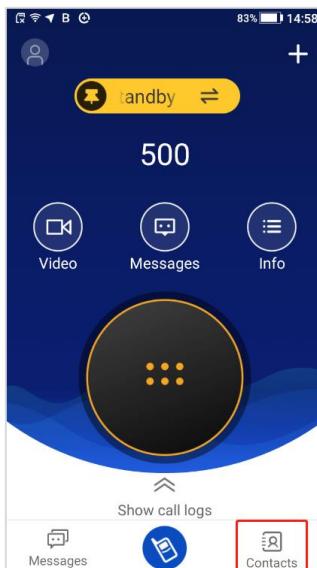


4. After the call is established, do either of the following based on the call type:

Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Touch and hold  or press and hold the PTT key to speak. 2. After finishing speaking, release  or the PTT key to release the talk permit.
Full-duplex call	Speak directly to the microphone without touching and holding  .

Through Favorite Contacts

1. On the home screen of the Hytera HyTalk MC client, tap .



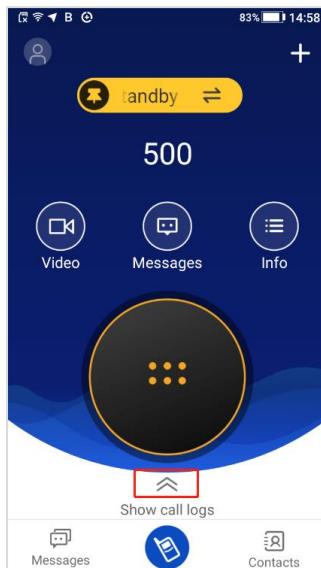
2. Tap Favorites.

3. Tap a contact.
4. Tap **Half duplex voice call** or **Full duplex voice call**.
5. After the call is established, do either of the following based on the call type:

Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Touch and hold  or press and hold the PTT key to speak. 2. After finishing speaking, release  or the PTT key to release the talk permit.
Full-duplex call	Speak directly to the microphone without touching and holding 

Through Call Logs

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap a private voice call log.

You initiate a call of the same type as the call log.

NOTE

To see more call logs, tap  , tap **Call Type**, tap **Voice private call**, and then tap a call log in the filtered results.

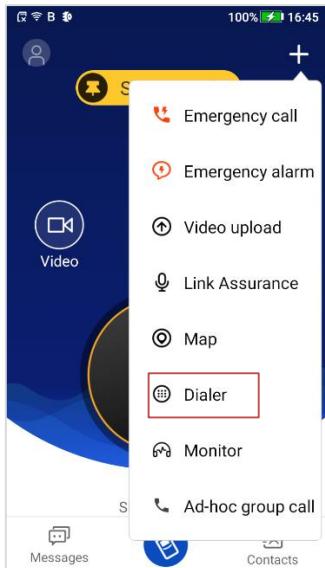
3. After the call is established, do either of the following based on the call type:

Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Touch and hold  or press and hold the PTT key to speak. 2. After finishing speaking, release  or the PTT key to release the talk permit.
Full-duplex call	Speak directly to the microphone without touching and holding 

Through the Dialer

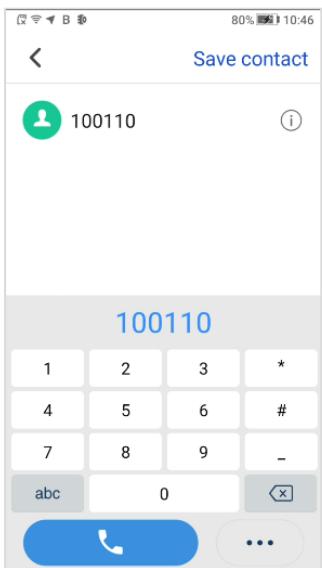
You can initiate only full-duplex private calls through **Dialer**.

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Dialer**.

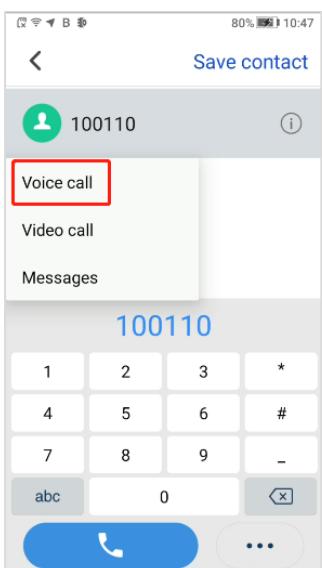


2. Enter the number of a private contact, and then do one of the following.

- Tap .



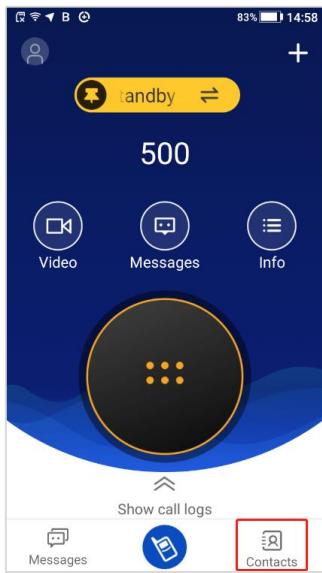
- Touch and hold the private contact until a menu pops up, and then tap **Voice call**.



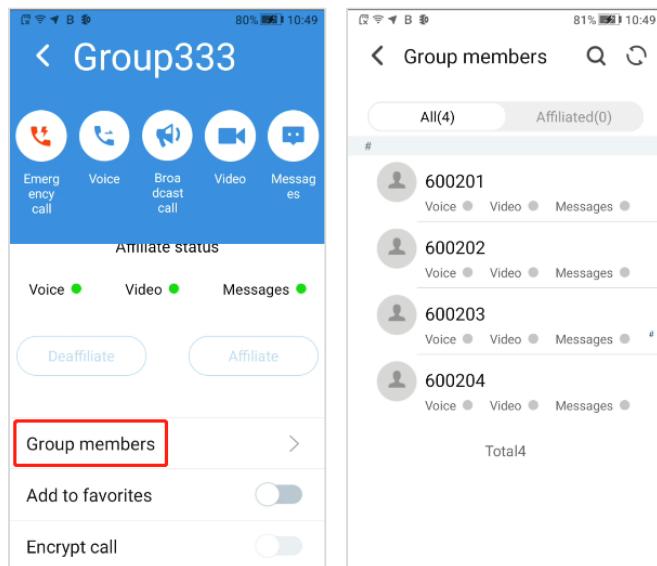
3. After the call is established, speak directly to the microphone.

Through Group Members

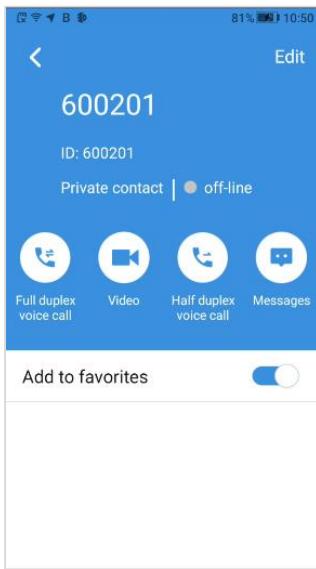
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap a group.
3. Tap **Group members**, and then tap a group member.



4. Tap **Half duplex voice call** or **Full duplex voice call**.

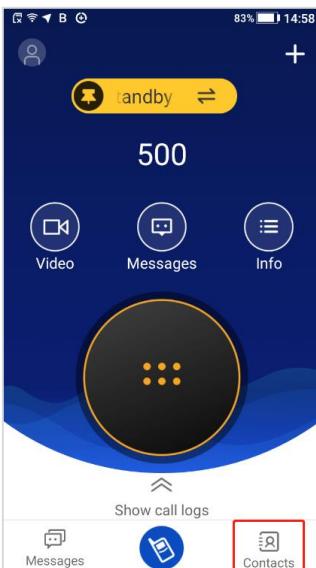


5. After the call is established, do either of the following based on the call type:

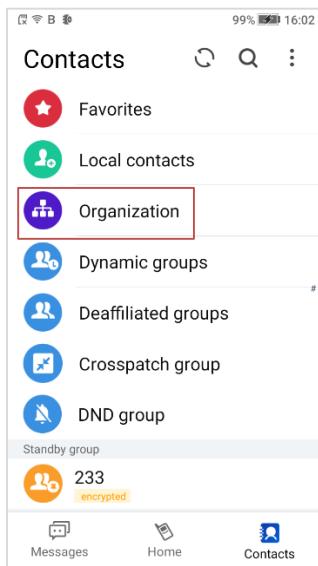
Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Touch and hold  or press and hold the PTT key to speak. 2. After finishing speaking, release  or the PTT key to release the talk permit.
Full-duplex call	Speak directly to the microphone without touching and holding  .

Through the Organization

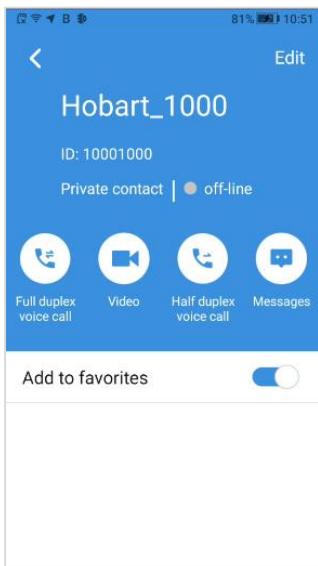
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap **Organization**, and then tap a private contact.



3. Tap **Half duplex voice call** or **Full duplex voice call**.



4. After the call is established, do either of the following based on the call type:

Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Touch and hold  or press and hold the PTT key to speak. 2. After finishing speaking, release  or the PTT key to release the talk permit.
Full-duplex call	Speak directly to the microphone without touching and holding  .

7.3.2 Receive Voice Private Calls

The answer mode of incoming private calls is subject to the settings in [6.1 Set the Call Information](#).

- If you set **Local call answer mode** to **Automatic**, you can answer the call without any operation.
- If you set **Local call answer mode** to **Manual**, you need to tap  to answer the call.

7.3.3 End Voice Private Calls

Tap  **Hang up**.

7.3.4 Call Waiting & Call on Hold

Call waiting allows you to be notified of incoming calls during a call.

-  indicates the call time with the original call.
In this case, if a new call comes in, you can tap  to answer the new call.
-  indicates the original call is on hold.
After you end the new call, you will automatically back to answer the original call again.

NOTE

This feature supports only full-duplex voice private call.

Upon Initiating Calls

If the radio has already initiated a call, the radio displays a prompt when you make another call. If you continue to initiate the new call, the current call ends.

Upon Receiving Calls

If the radio has already received one call, it can do one of the following when a new call arrives:

- If the priority of the new call is higher than that of the current call, the radio keeps the current call while establishing the new call.
- If the priority of the new call is equal to or lower than that of the current call, the radio refuses to answer the new call.

7.4 Encrypted Call

You can initiate encrypted voice private calls and encrypted voice group calls to ensure communications security.

Encrypted Voice Private Call

Prerequisite

Make sure the **Encrypt call** feature is turned on. For details, see [6.1 Set the Call Information](#).

Operation

Operations of encrypted and non-encrypted voice private calls are the same. For details on how to initiate, answer, and end encrypted voice private calls, see [7.3 Voice Private Call](#).

ⓘ indicates an encrypted voice private call, and ⓘ indicates a non-encrypted voice private call.



Encrypted Voice Group Call

Prerequisite

- Make sure the **Encrypt call** feature is turned on. For details, see [6.1 Set the Call Information](#).
- The encryption feature needs to be enabled only for the caller. After that, the call that the caller initiates will be an encrypted call.
- For an encrypted call, the Hytera HyTalk MC server sends the key and the key length to every group member. If any group member does not receive the key and the key length, the member cannot join the encrypted voice group call.

Operation

Operations of encrypted and non-encrypted voice group calls are the same. For details on how to initiate, answer, and end encrypted voice group calls, see [7.1 Voice Group Call](#).

You can determine whether a group call will be encrypted according to the following:

- If **encrypted** appears under a group, the group call will be encrypted.
- If no information appears under a group, the group call will not be encrypted.

7.5 Monitoring

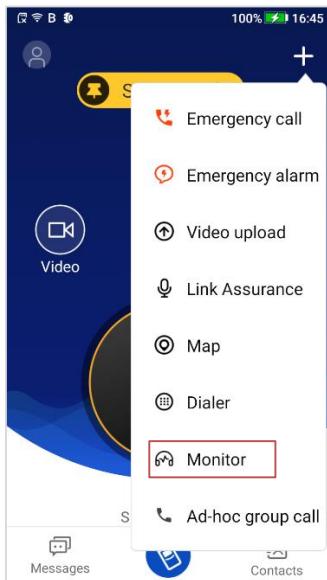
You can subscribe to private or group contacts to monitor their voice calls in real-time, including voice group calls, full-duplex private voice calls, and half-duplex private voice calls.

7.5.1 Subscribe to the Contact

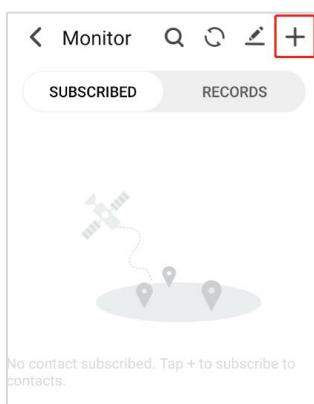
NOTE

If the radio is set to Prevent Monitoring by the administrator of the UNMS or the Encrypt Call feature is turned on, the radio cannot be monitored.

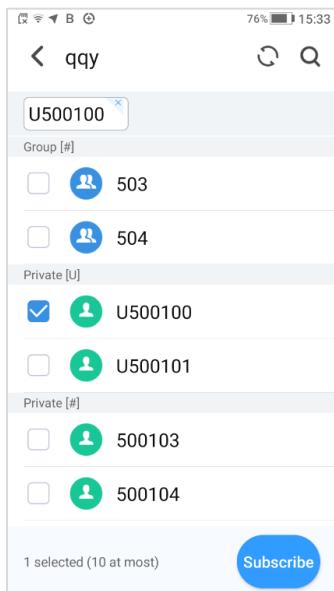
1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Monitor**.



2. Tap .



3. Tap an organization, and then select private and/or group contacts.



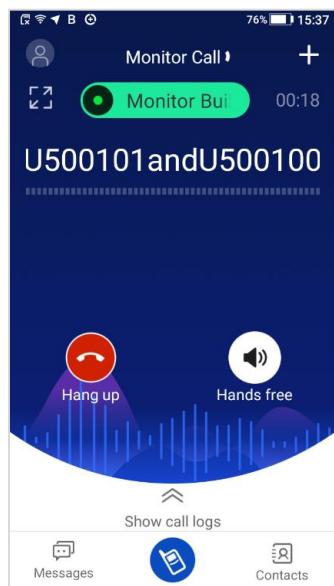
4. Tap **Subscribe**.

7.5.2 Monitor the Voice Call

1. To monitor voice calls of the contacts to which you have subscribed, tap .

NOTE

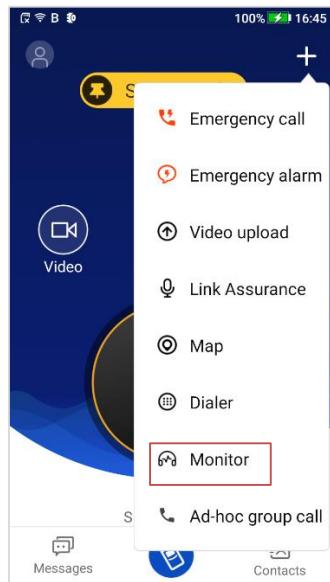
You can monitor the voice call only when you are not performing voice services.



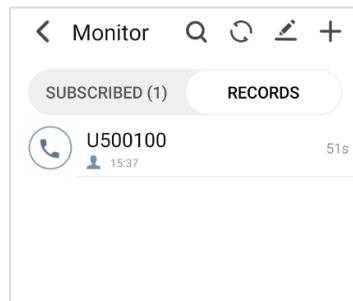
2. To finish monitoring, tap .

7.5.3 Check the Monitoring Record

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Monitor**.



2. Tap RECORDS.

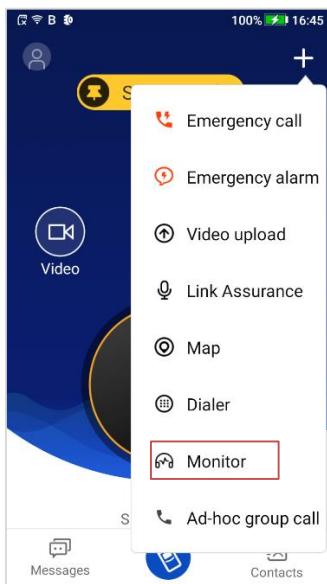


NOTE

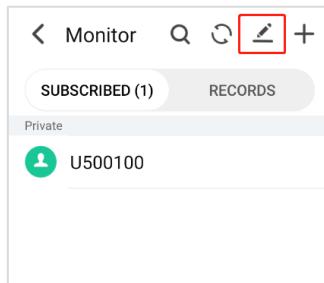
In the RECORDS interface, you can tap  to delete the records in batches.

7.5.4 Unsubscribe from the Contact

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap Monitor.



2. In the **SUBSCRIBED** interface, tap .



3. Select a contact, and then tap **Unsubscribe**.

7.6 Emergency Call

In case of emergencies, you can make an emergency call or send an emergency status message to the preset contact or a group for help. With the highest priority, the emergency call will interrupt other ongoing calls with lower priorities. Regardless of the answer mode set on the receiving radio, the emergency call will be automatically answered. For details on the emergency voice private call mode and the emergency key mode, see [6.1 Set the Call Information](#).

NOTE

The emergency contact can be either a private contact or a group contact, which is configured on the UNMS. For details, refer to *Hytera HyTalk MC UNMS Operation Guide*.

7.6.1 Initiate Emergency Calls

Prerequisite

Before initiating an emergency call, make sure that you have selected **Emergency voice call first** or

Emergency video call first in  > Call options > Emergency key mode. For details, see [6.1 Set the Call Information](#).

Through the Emergency Key

1. Long press the **Top Key (TK)** of the radio to initiate an emergency call.

NOTE

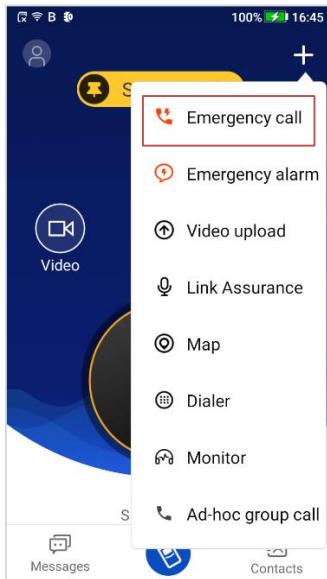
The locations of the emergency key are subject to radio models.

2. After the call is established, do either of the following based on the call type:

Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Speak directly to the microphone without touching and holding . 2. After finishing speaking, tap .
Full-duplex call	Speak directly to the microphone without touching and holding  .

Through the Menu

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Emergency call**.



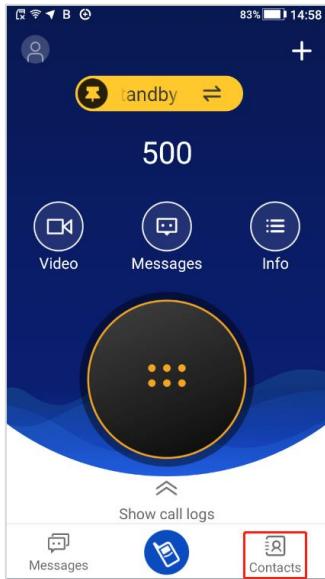
2. After the call is established, do either of the following based on the call type:

Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Speak directly to the microphone without touching and holding .

Call Type	Operation
	2. After finishing speaking, tap  .
Full-duplex call	Speak directly to the microphone without touching and holding  .

Through the Group Contact List

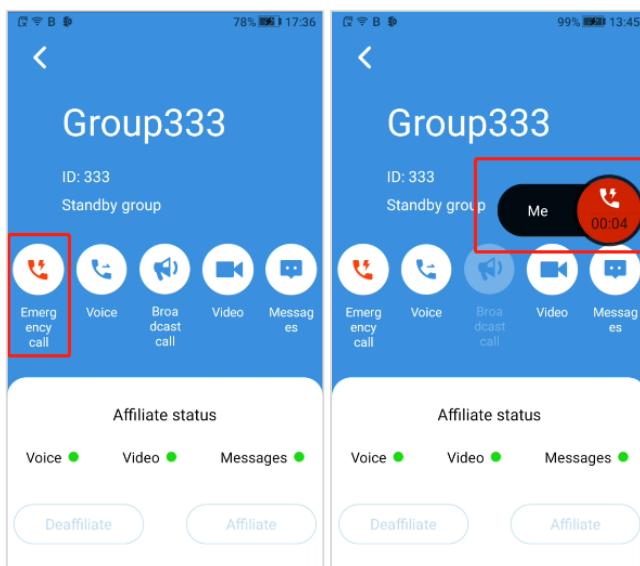
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap a group.

3. Tap **Emergency call**.

The floating window for the call appears.

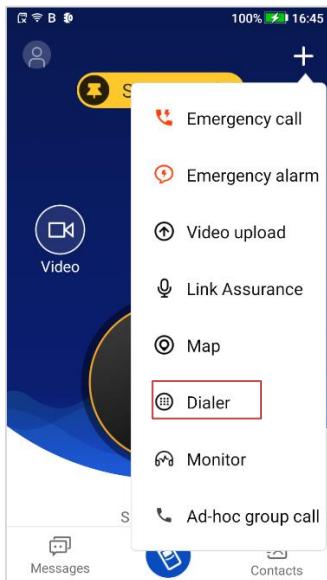


4. After the call is established, do either of the following based on the call type:

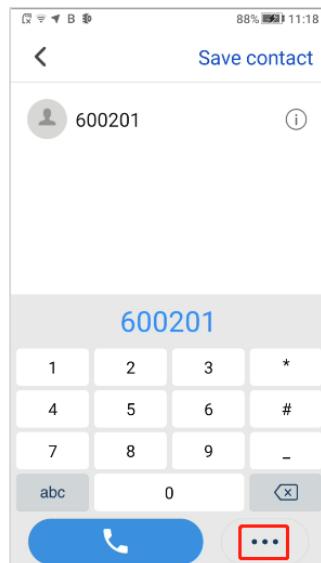
Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Speak directly to the microphone without touching and holding . 2. After finishing speaking, tap  or go back to the home screen, and then tap .
Full-duplex call	Speak directly to the microphone without touching and holding  .

Through the Dialer

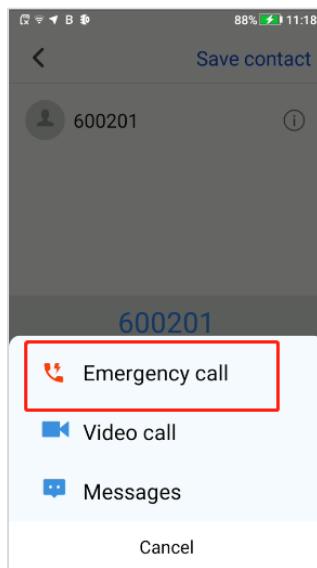
1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Dialer**.



2. Enter the number of a private contact, and then tap .



3. Tap **Emergency call**.



4. After the call is established, do either of the following based on the call type:

Call Type	Operation
Half-duplex call	<ol style="list-style-type: none"> 1. Speak directly to the microphone without touching and holding . 2. After finishing speaking, tap  or go back to the home screen, and then tap .
Full-duplex call	Speak directly to the microphone without touching and holding  .

7.6.2 Receive Emergency Calls

You can answer an emergency call without any operation.

7.6.3 End Emergency Calls

Tap  **Hang up**.

7.7 DGNA

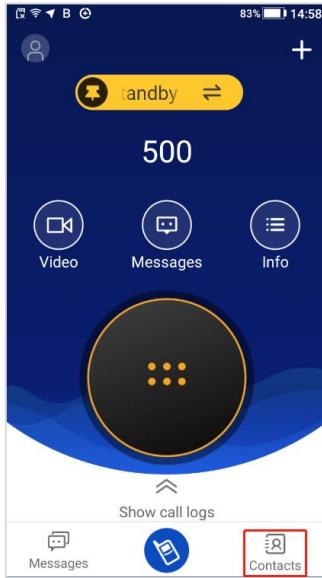
Dynamic group number assignment (DGNA) allows you to add private and group contacts to a temporary group and make calls to the group.

NOTE

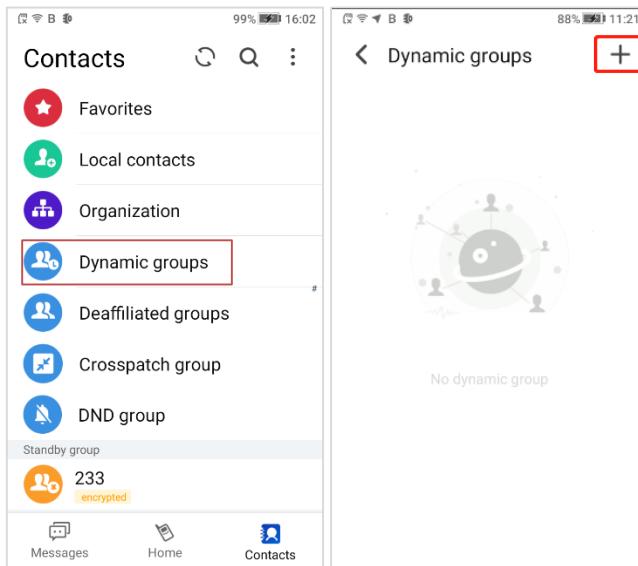
Contact the administrator of UNMS to turn on the DGNA feature.

7.7.1 Create Dynamic Groups

1. On the home screen of the Hytera HyTalk MC client, tap .



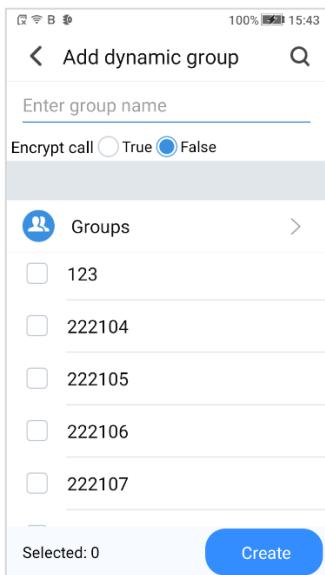
2. Tap **Dynamic groups**, and then tap .



NOTE

If the icon  does not appear, you do not have permission to use the DGNA feature. Contact the administrator of the UNMS.

3. Name the dynamic group, select **True** or **False** for **Encrypt call**, and then select private and group contacts.

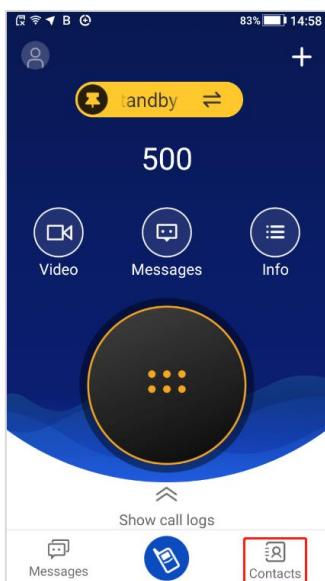


4. Tap **Create**.

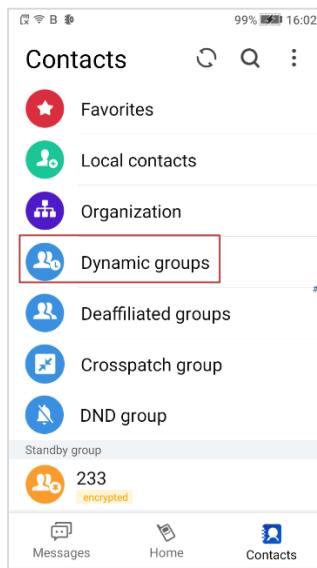
7.7.2 Delete Dynamic Groups

Only the creator of a dynamic group can delete the group.

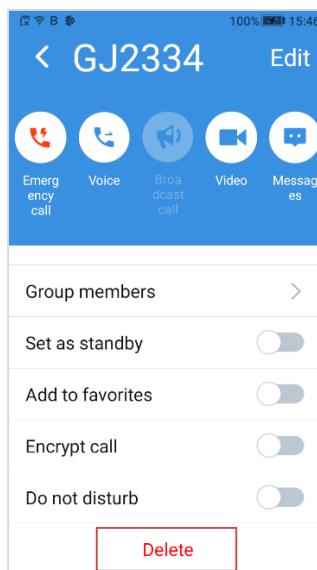
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap **Dynamic groups**.



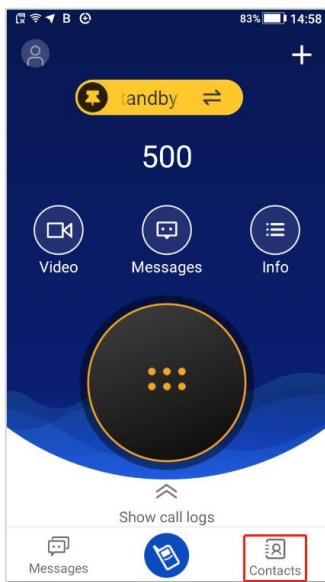
3. Tap an unwanted dynamic group, and then tap **Delete**.



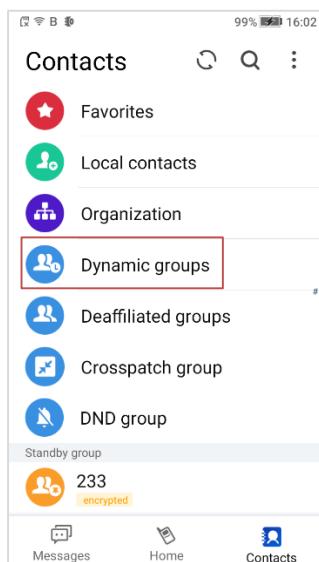
7.7.3 Edit Members in a Dynamic Group

Any member in a dynamic group can add other members to the group, whereas only the creator of the dynamic group can remove members.

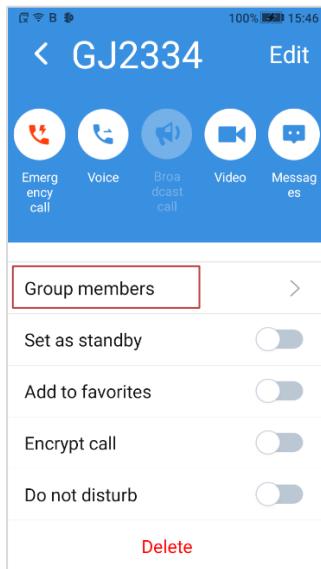
1. On the home screen of the Hytera HyTalk MC client, tap .



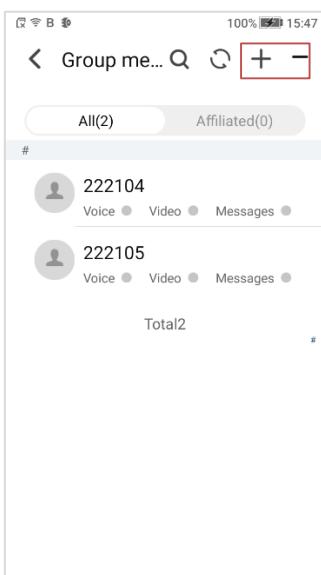
2. Tap **Dynamic groups**.



3. Tap a dynamic group, and then tap **Group members**.



4. Tap + to add or - to remove group members.



7.7.4 Initiate, Receive, and End Dynamic Group Calls

For details, see [7.1 Voice Group Call](#).

7.8 Concurrent Call

You can engage in one voice call and one video upload, two full-duplex voice private calls, or one full-duplex voice private call and one full-duplex video private call simultaneously.

NOTE

When you are engaging in a full-duplex video private call and a full-duplex voice private call simultaneously, the video call interface is always displayed.

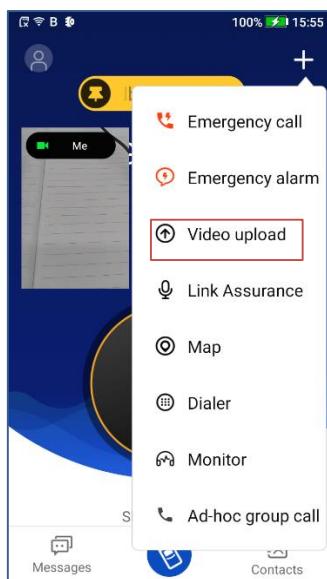
The following procedure is an example of initiating concurrent calls.

1. Initiate a voice group call.

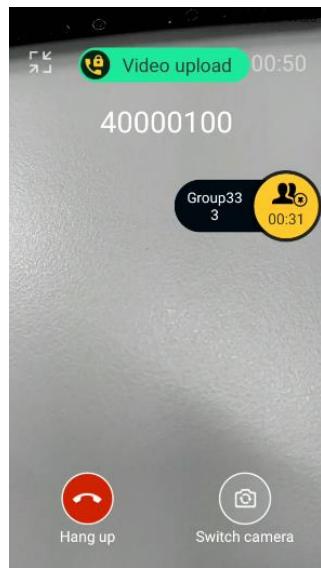
For details, see [7.1.1 Initiate Voice Group Calls](#).



2. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Video upload**.



3. Tap the floating window to switch between the two calls.



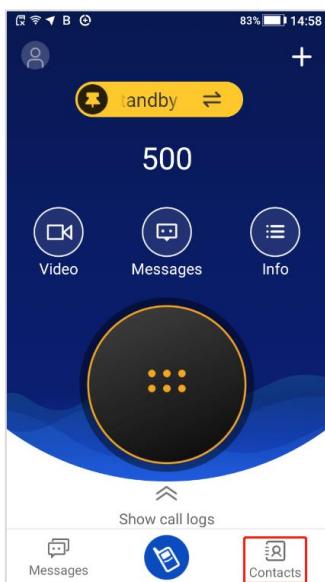
7.9 Broadcast Call

You can initiate a broadcast call, which is a unidirectional call, to a group. During such a call, only you can speak and be heard.

NOTE

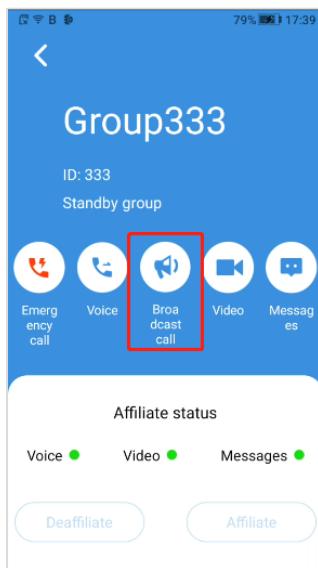
Contact the administrator of UNMS to turn on the Broadcast Call feature.

1. On the home screen of the Hytera HyTalk MC client, tap .

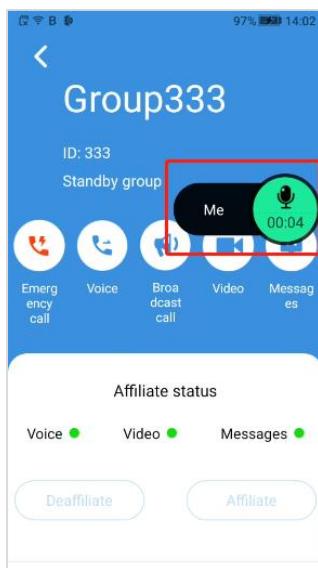


2. Tap a group, and then tap **Broadcast call**.

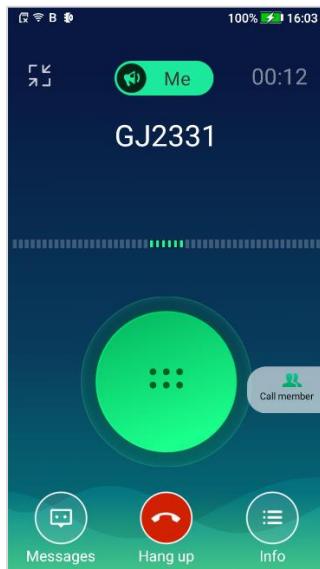
The floating window for the call appears.



3. Tap the floating window.



4. Speak directly without touching and holding the PTT button.
5. After finishing speaking, tap  Hang up.



7.10 Function Alias

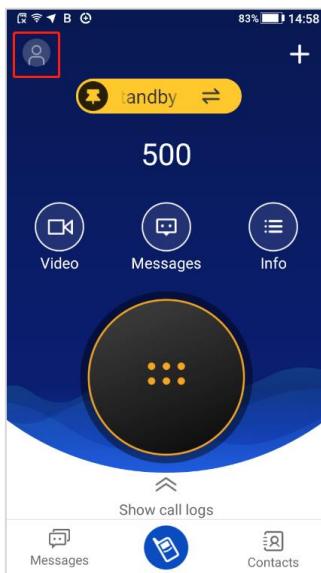
You can initiate calls through the function alias or receive calls initiated through the function alias. The calls through the function alias are full-duplex.

NOTE

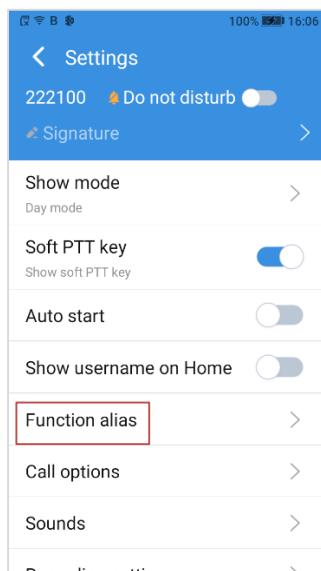
- Contact the administrator of UNMS to turn on the Function Alias feature.
- After you activate a function alias on Hytera HyTalk MC client, the alias is associated with the account. Then, other terminals or dispatch consoles can call you by the alias.

7.10.1 Add and Activate the Function Alias

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap **Function alias**.



3. Tap **+**.

 **NOTE**

If there are function aliases under the inactive list, you can also tap **Activate** following a function alias to activate it.

4. Enter the function alias, and then tap **Activate**.



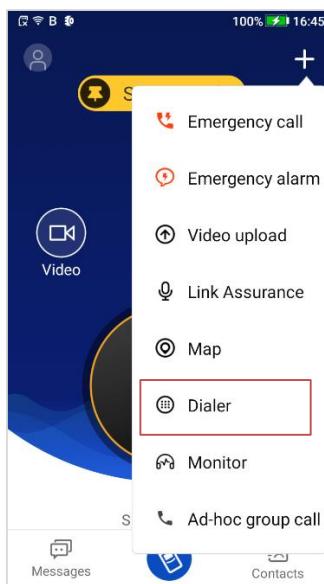
7.10.2 Initiate Calls Through the Function Alias

Prerequisite

The Function Alias feature has been turned on by the administrator of the UNMS.

Operation

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Dialer**.



2. Enter the function alias, and then tap .

You can also find the function alias in the call history.

3. Speak directly into the microphone.

7.10.3 Receive Calls Initiated Through the Function Alias

Prerequisite

Function alias has been activated on the UNMS.

Operation

To answer the call initiated by the function alias, see the settings in [6.1 Set the Call Information](#).

- If you set **Local call answer mode** to **Automatic**, you can answer the call without any operation.
- If you set **Local call answer mode** to **Manual**, you need to tap  to answer the call.

7.10.4 End Calls Initiated Through the Function Alias

Tap  **Hang up**.

8. Video Services

8.1 Video Group Call

A video group call is a one-way video call from an individual to other individuals in the same group. During the call, only one group member can speak at a time, and other members can watch videos and hear voices from the speaker. After the call is established, the caller will be the first one to have the talk permit. When no one speaks in the call, group members can apply for the talk permit.

8.1.1 Set the Video Group Call Service

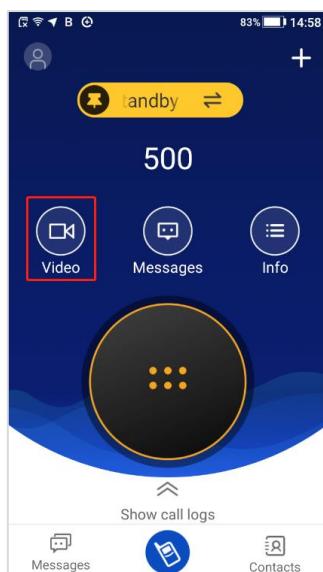
1. Affiliate with the group. For details, see [6.2 Affiliate with Groups](#).
2. Set the video group call resolution. For details, see [6.1 Set the Call Information](#)

The actual call resolution is the larger value between the resolution configured on the UNMS and that configured on the Hytera HyTalk MC client of the caller.

8.1.2 Initiate Video Group Calls

Through the Standby Group

1. Set the standby group.
 - a. On the home screen of the Hytera HyTalk MC client, tap .
 - b. Tap a group.
2. Tap **Video**.

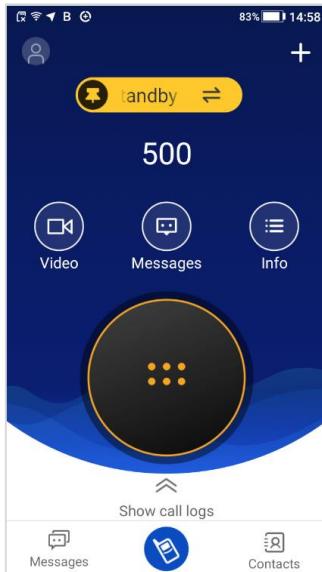


3. To speak, touch and hold  or press and hold the PTT key.

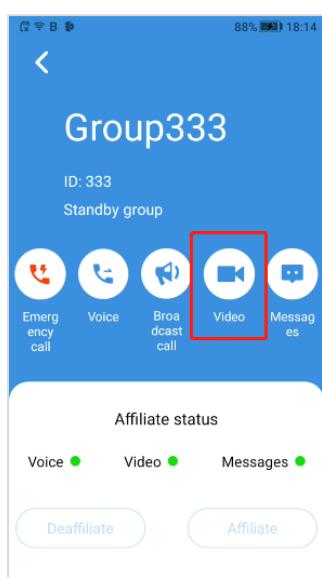
4. After finishing speaking, release  or the PTT key to release the talk permit.

Through the Group Contacts

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap a group.
3. Tap **Video**.



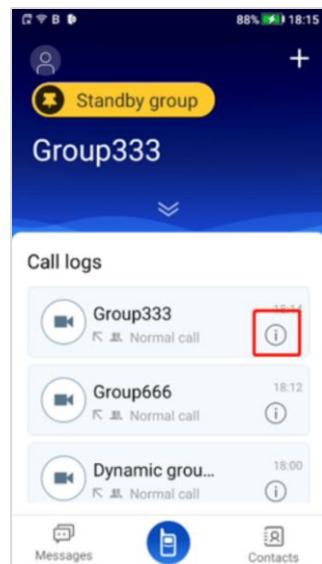
4. To speak, touch and hold  or press and hold the PTT key.
5. After finishing speaking, release  or the PTT key to release the talk permit.

Through Call Logs

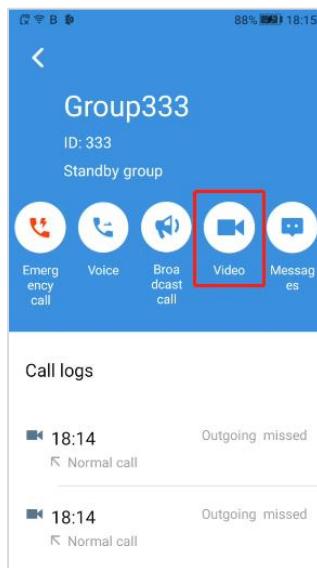
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap  following a group (marked by ).



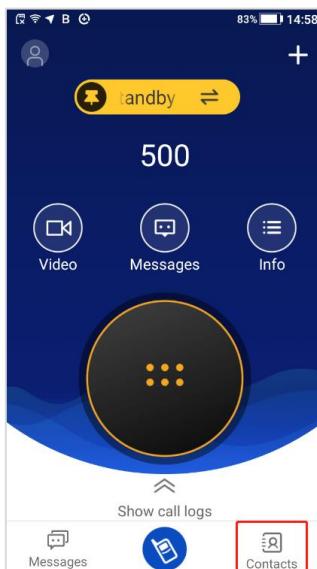
3. Tap **Video**.



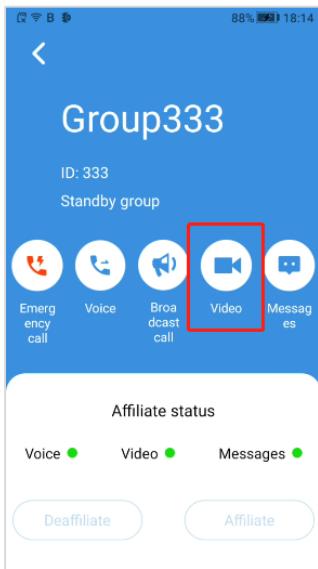
4. To speak, touch and hold  or press and hold the PTT key.
5. After finishing speaking, release  or the PTT key to release the talk permit.

Through Favorite Contacts

1. On the home screen of the Hytera HyTalk MC client, tap .



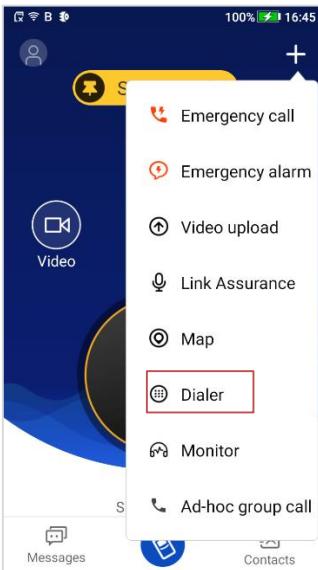
2. Tap **Favorites**.
3. Tap a group.
4. Tap **Video**.



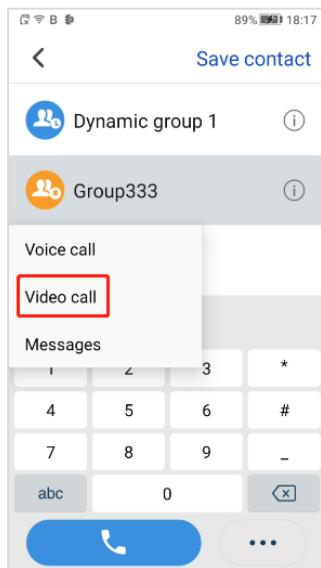
5. To speak, touch and hold  or press and hold the PTT key.
6. After finishing speaking, release  or the PTT key to release the talk permit.

Through the Dialer

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Dialer**.



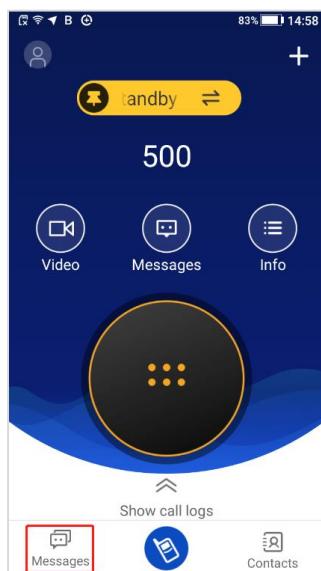
2. Enter the number of a group contact, touch and hold the group contact until a menu pops up, and then tap **Video call**.



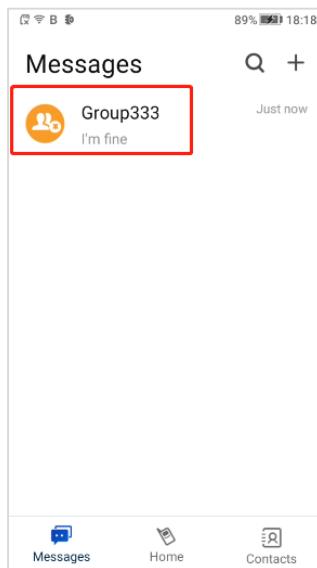
3. To speak, touch and hold  or press and hold the PTT key.
4. After finishing speaking, release  or the PTT key to release the talk permit.

Through Messages

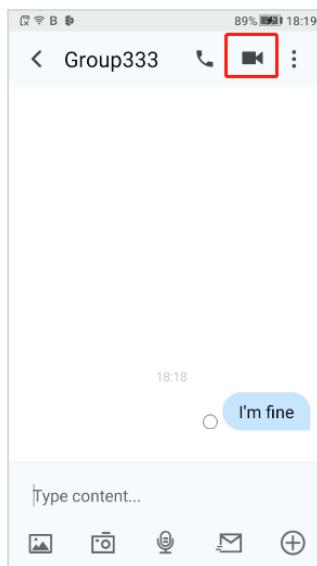
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap a group conversation.



3. Tap .



4. To speak, touch and hold  or press and hold the PTT key.
5. After finishing speaking, release  or the PTT key to release the talk permit.

8.1.3 Receive Video Group Calls

You can answer a video group call without any operation.

8.1.4 End Video Group Calls

A group call ends in one of the following cases:

- The caller taps  **Hang up**.

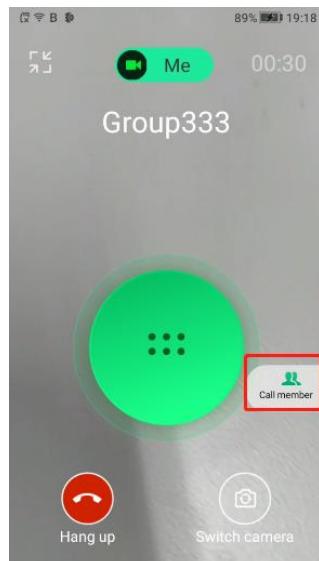
NOTE

If the callee taps this key, the callee exits the call without affecting other members.

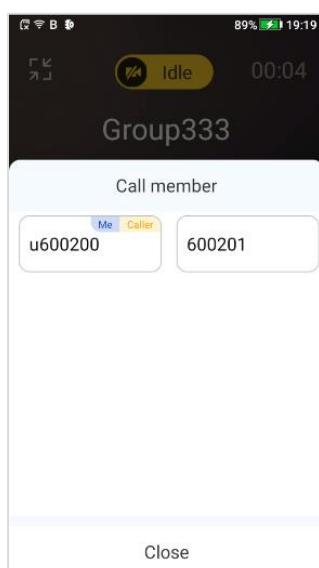
- The call hang time expires.
- The total call time expires.

8.1.5 View Video Group Call Members

1. On the video group call screen of the Hytera HyTalk MC client, tap **Call member**.



2. View the group call members.



When a group member exits the call, other group members will receive the prompt.

8.1.6 Late Entry

Late Entry allows you to include radios in an ongoing group call after the call has been set up. The group members may fail to join the group call because they are not logged in, not affiliated to the group, or because of other situations.

8.2 Video Private Call

A video private call is a full-duplex call. During the call, both the caller and the callee can see and hear each other at the same time.

8.2.1 Set the Video Private Call Service

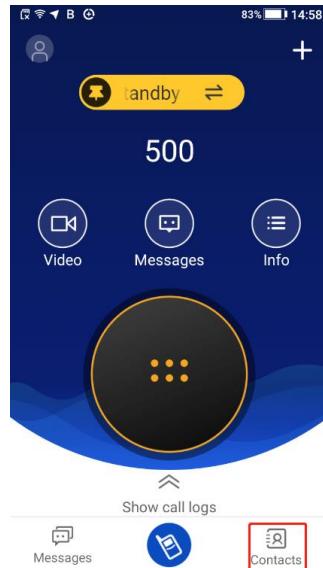
Set the local call answer mode and video call resolution in  > Call options:

For details on the settings, see [6.1 Set the Call Information](#).

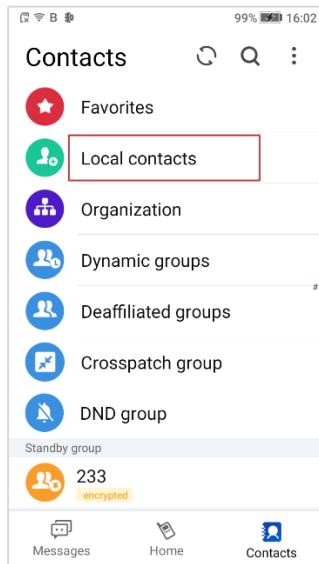
8.2.2 Initiate Video Private Calls

Through Local Contacts

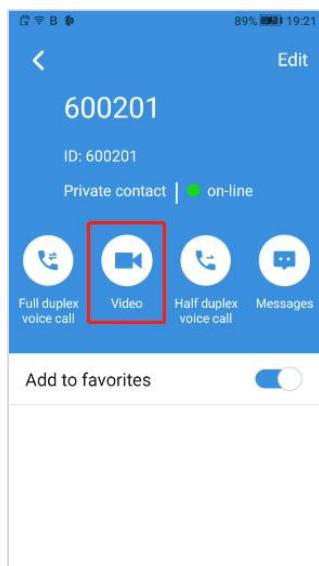
1. On the home screen of the Hytera HyTalk MC client, tap .



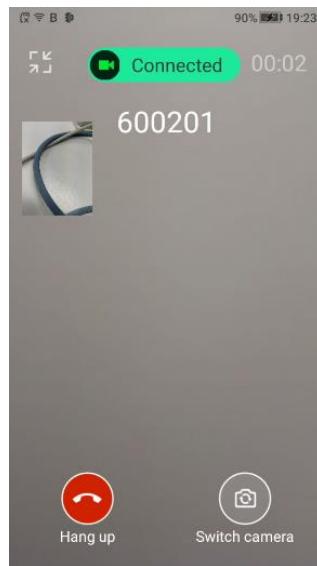
2. Tap **Local contacts**, and then tap a private contact.



3. Tap Video.

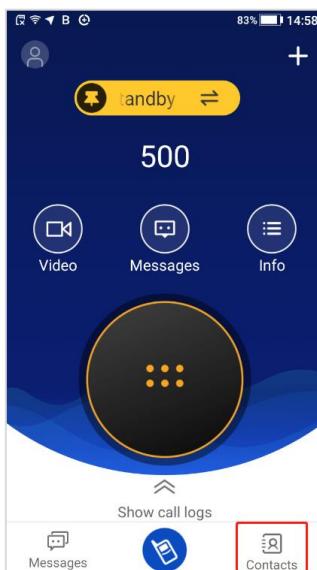


4. Speak directly to the microphone.

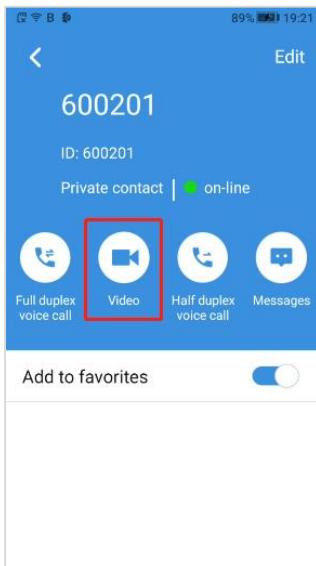


Through Favorite Contacts

1. On the home screen of the Hytera HyTalk MC client, tap .



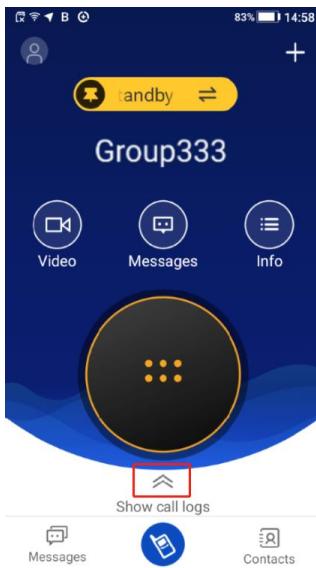
2. Tap **Favorites**.
3. Tap a contact.
4. Tap **Video**.



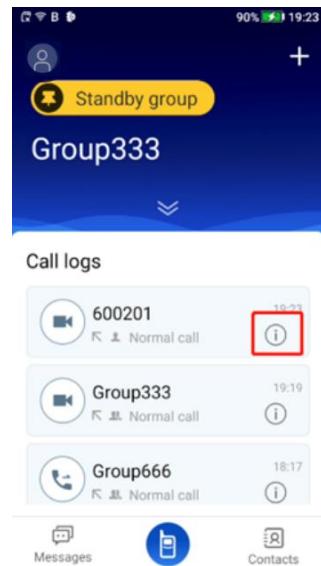
5. Speak directly to the microphone.

Through Call Logs

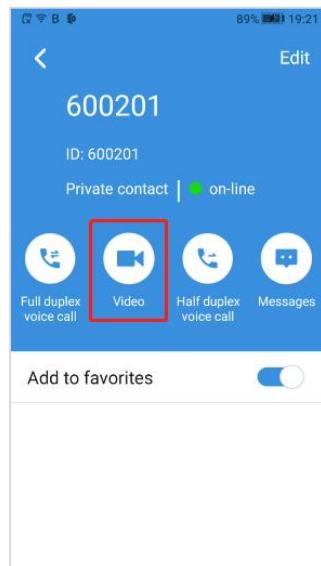
1. On the home screen of the Hytera HyTalk MC client, tap .



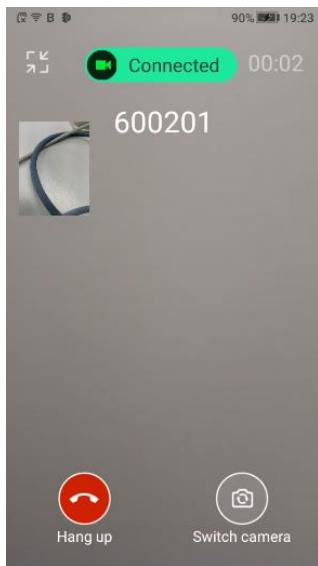
2. Tap  following a private contact (marked by ).



3. Tap **Video**.

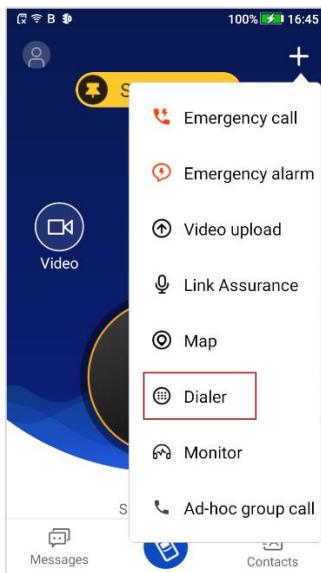


4. Speak directly into the microphone.



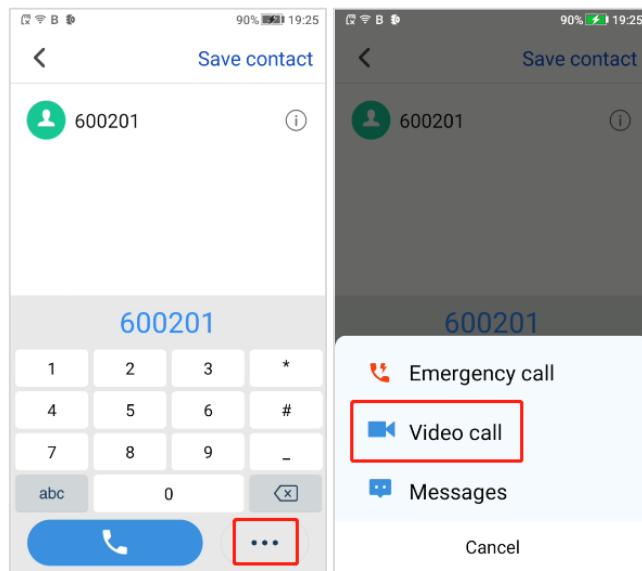
Through the Dialer

1. On the home screen of the Hytera HyTalk MC client, tap **+**, and then tap **Dialer**.

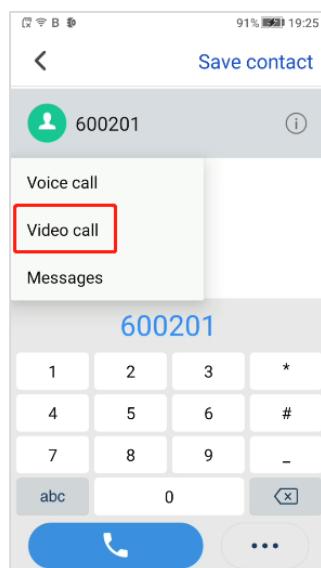


2. Tap the number of a private contact, and then do one of the following.

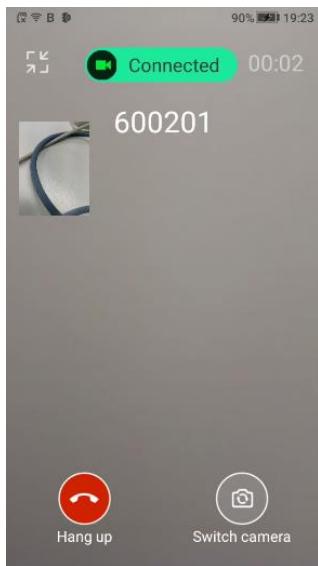
- Tap **...**, and then tap **Video call**.



➤ Touch and hold the private contact until a menu pops up, and then tap **Video call**.

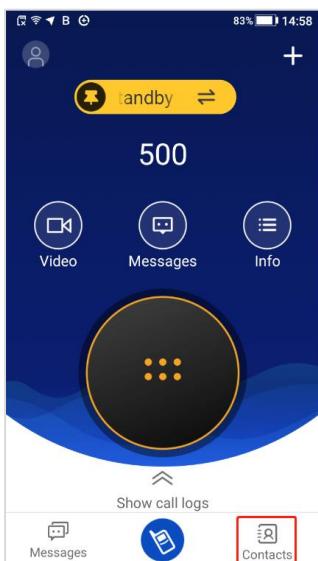


3. Speak directly to the microphone.

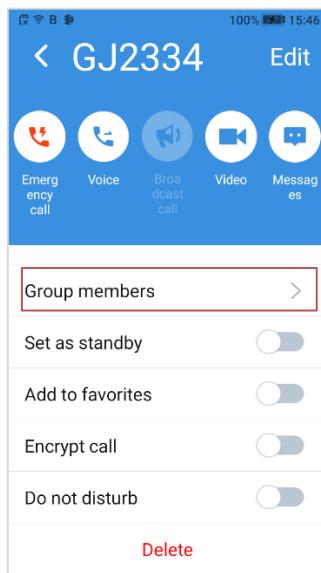


Through Group Members

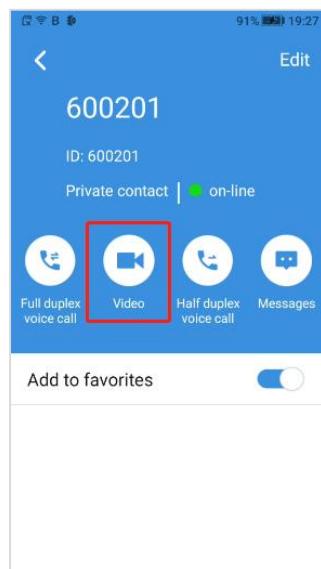
1. On the home screen of the Hytera HyTalk MC client, tap .



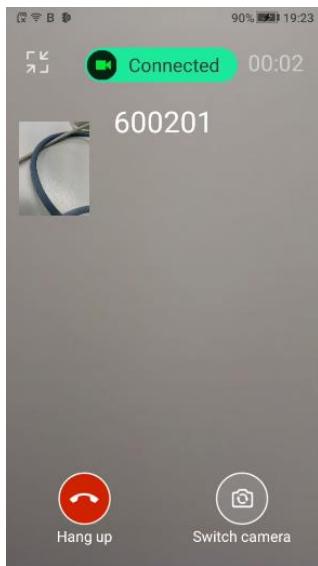
2. Tap a group.
3. Tap **Group members**, and then tap a group member.



4. Tap **Video**.

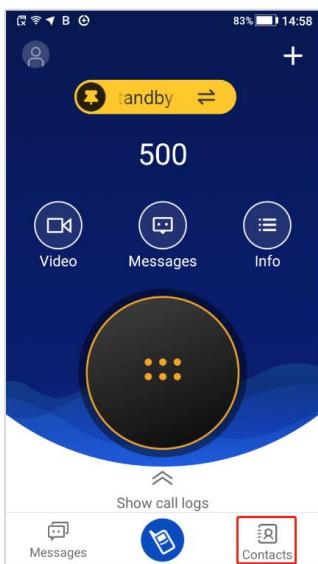


5. Speak directly to the microphone.

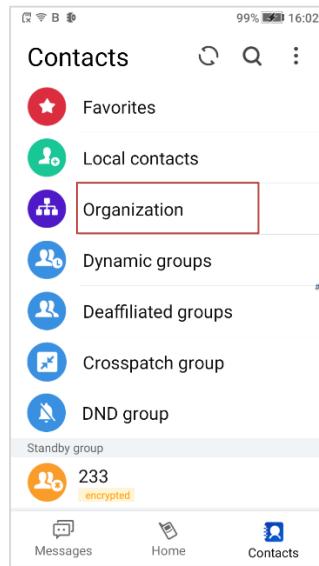


Through the Organization

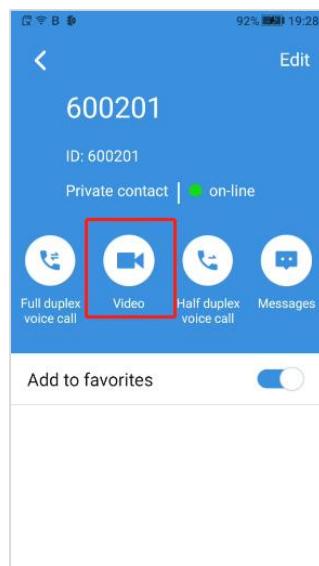
1. On the home screen of the Hytera HyTalk MC client, tap .



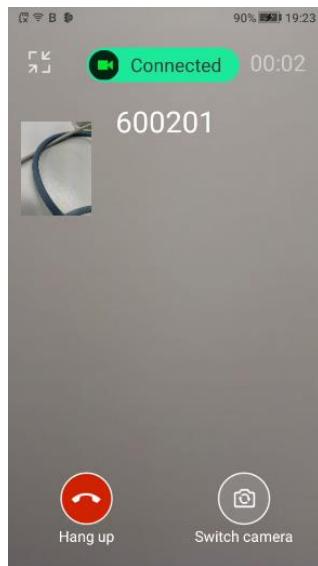
2. Tap **Organization**, and then tap a private contact.



3. Tap **Video**.



4. Speak directly to the microphone.



8.2.3 Receive Video Private Calls

The answer mode of incoming private calls is subject to the settings in [6.1 Set the Call Information](#).

- If you set **Local call answer mode** to **Automatic**, you can answer the call without any operation.
- If you set **Local call answer mode** to **Manual**, you need to tap  to answer the call.

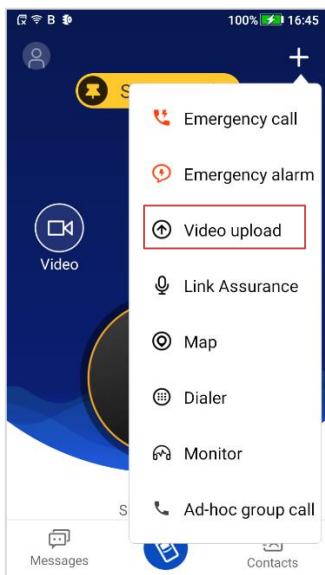
8.2.4 End Video Private Calls

Tap  **Hang up**.

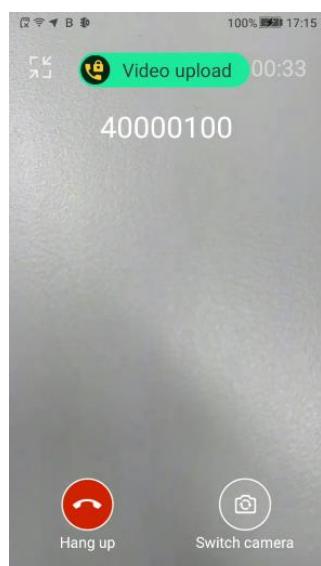
8.3 Video Upload

You can upload your real-time video (without audio) to the dispatcher.

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Video upload**.



2. After finishing video upload, tap .



8.4 Encrypted Call

You can initiate encrypted video private calls and encrypted video group calls to ensure communications security.

Encrypted Video Private Call

Prerequisite

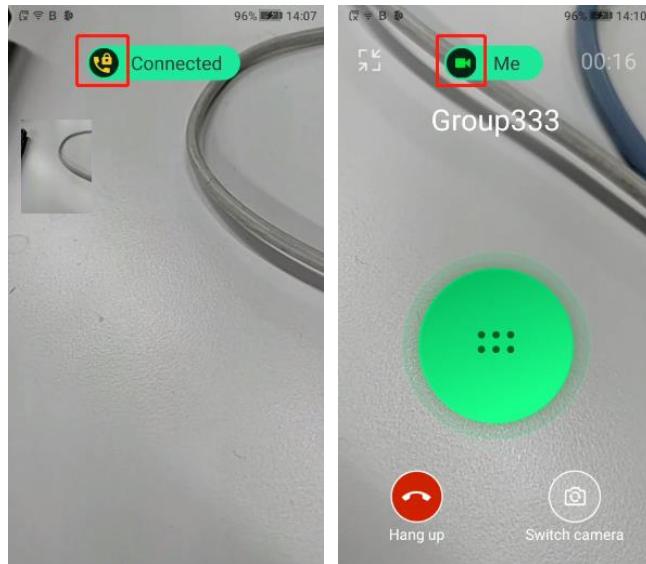
Before initiating an encrypted call, make sure that you have turn on **Encrypt call** in  > **Call options**. For details, see [6.1 Set the Call Information](#).

The encryption feature needs to be enabled only for the caller. After that, the call that the caller initiates will be encrypted.

Operation

Operations of encrypted and non-encrypted video private calls are the same. For details on how to initiate, answer, and end encrypted video private calls, see [8.2 Video Private Call](#).

⌚ indicates an encrypted video private call, and 📹 indicates a non-encrypted video private call.



Encrypted Video Group Call

Prerequisite

Before initiating an encrypted call, make sure that you have turn on **Encrypt call** in > **Call options**. For details, see [6.1 Set the Call Information](#).

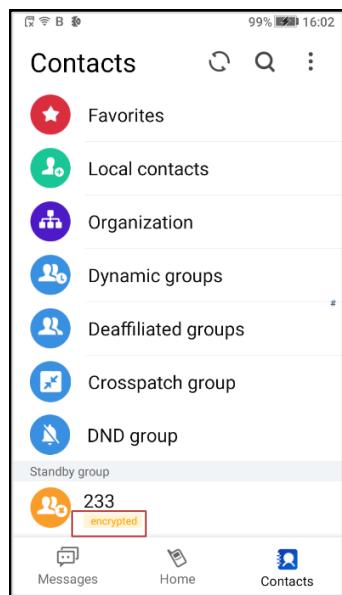
The encryption feature needs to be enabled only for the caller. After that, the call that the caller initiates will be encrypted.

Operation

Operations of encrypted and non-encrypted video group calls are the same. For details on how to initiate, answer, and end encrypted video group calls, see [8.1 Video Group Call](#).

You can determine whether a group call will be encrypted according to the following:

- If **encrypted** appears under a group, the group call will be encrypted.
- If no information appears under a group, the group call will not be encrypted.



9. Message Services

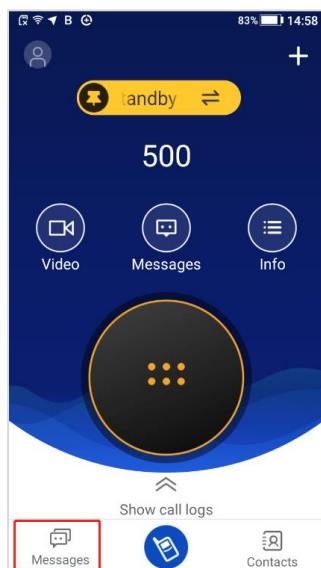
You can exchange the following types of messages with your contacts:

- Text message: It contains only texts.
- Multimedia message: It contains pictures, video, audio, files, and locations.
- Quick message: It contains **Enterprise quick message** and **My quick message**.
 - Enterprise quick message is preconfigured by the administrator of the UNMS.
 - My quick message is configured according to your need.

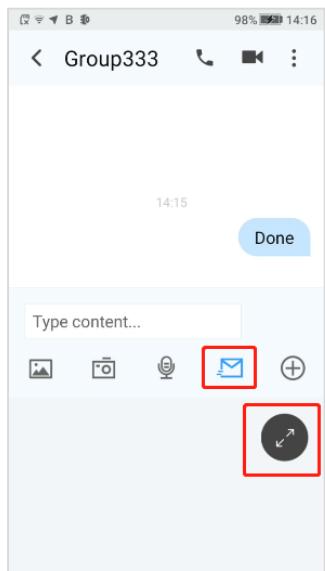
9.1 Add Quick Messages

Through Messages

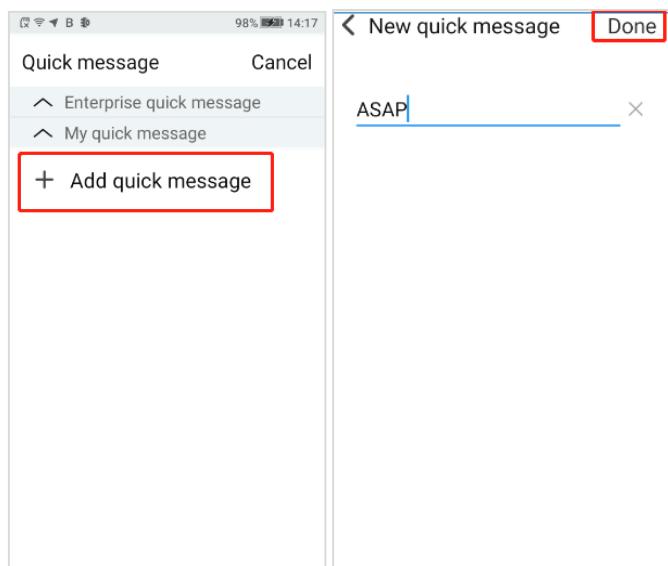
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap a conversion.
3. Tap  , and then tap .

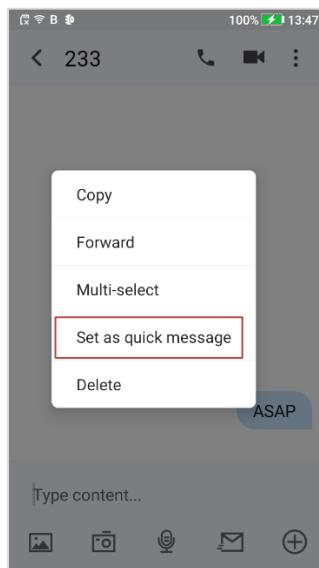


4. Tap **Add quick message**, enter your content, and then tap **Done**.



Through the Message Record

1. On the home screen of the Hytera HyTalk MC client, tap .
2. Tap a conversion, and then touch a text message until a menu pops up.
3. Tap **Set as quick message**.



9.2 Send Messages

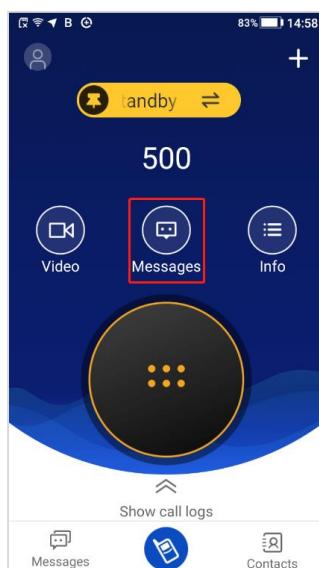
Prerequisite

You have affiliated with the group. For details, see [6.2 Affiliate with Groups](#).

Operation

Through the Standby Group

1. Set the standby group.
 - a. On the home screen of the Hytera HyTalk MC client, tap .
 - b. Tap a group.
2. Tap **Messages**.

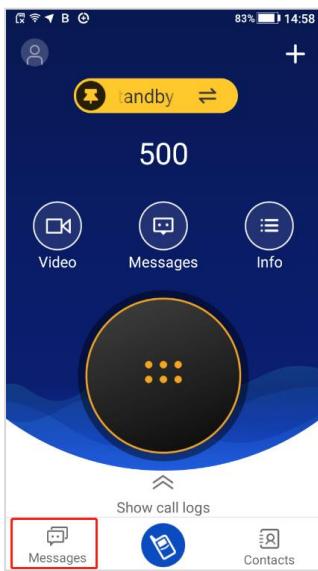


3. To send a message, do any of the following:

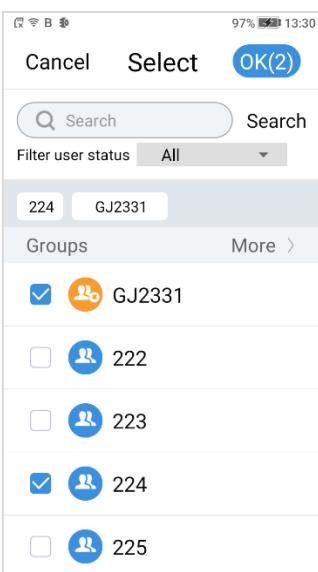
If You Want To...	Then...
Send a text message	1. Enter your content in the text box. 2. Tap  .
Send local photos	1. Tap  , and then select local photos. 2. Tap  .
Take a photo or record a video and then send it	1. Tap  2. Take a photo or record a video. 3. Tap  .
Send an audio	1. Tap  2. Touch and hold  and speak. 3. After finishing speaking, release  4. (Optional) Swipe up to cancel recording.
Send a quick message	Tap  , and then select a message.
Send a local file	Tap  , tap  , and then select a file.
Send a location	1. Tap  , tap  , and then select a location. 2. Tap  .

Through Messages

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap +, and then select one or more recipients.



NOTE

You can select at most 10 recipients.

3. Tap OK.

4. Do either of the following:

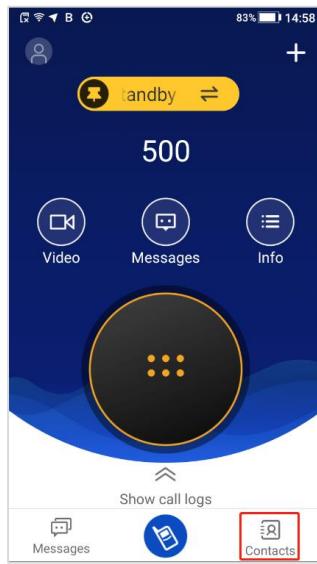
- If you select one recipient, see step 3 in [Through the Standby Group](#) to send a message.
- If you select more recipients, do any of the following to send a message.

If You Want To...	Then...
Send a text message	<ol style="list-style-type: none">1. Enter your content in the text box, and then tap Send.2. On the dialog, tap Send.

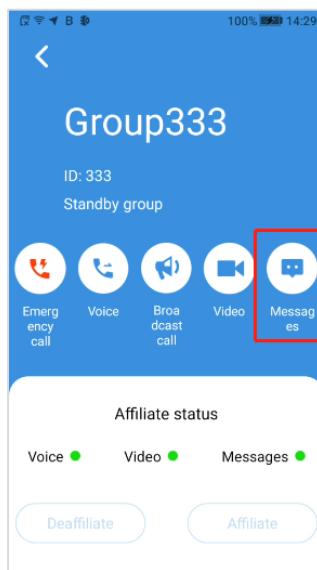
If You Want To...	Then...
Send local photos	1. Tap  , and then select local photos. 2. Tap  . 3. On the dialog, tap Send .
Take a photo or record a video and then send it	1. Tap  . 2. Take a photo or record a video. 3. Tap  . 4. On the dialog, tap Send .
Send an audio	1. Tap  . 2. Touch and hold  and speak. 3. After finishing speaking, release  . 4. (Optional) Swipe up to cancel recording. 5. On the dialog, tap Send .
Send a quick message	1. Tap  , and then select a message. 2. In the pop-up dialog, tap Send .
Send a local file	1. Tap  , tap  , and then select a file. 2. In the pop-up dialog, tap Send .
Send a location	1. Tap  , tap  , and then select a location. 2. Tap  . 3. On the dialog, tap Send .

Through Contacts

1. On the home screen of the Hytera HyTalk MC client, tap .



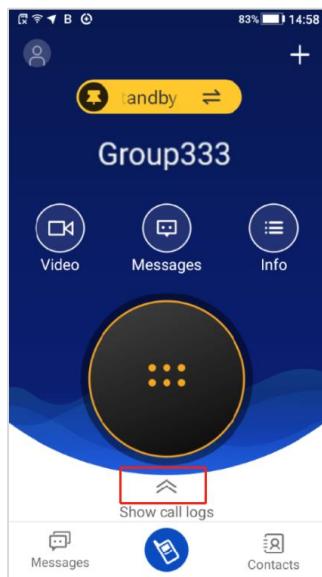
2. Tap a private contact or a group contact.
3. Tap **Messages**.



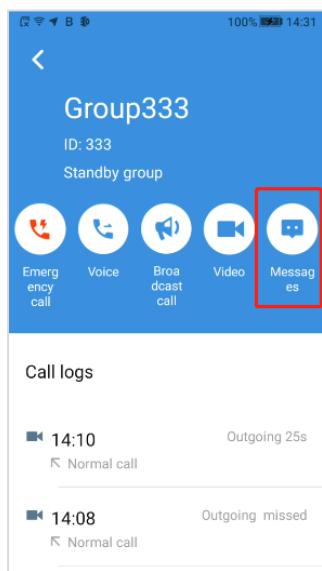
4. To send a message, see step 3 in [Through the Standby Group](#).

Through Call Logs

1. On the home screen of the Hytera HyTalk MC client, tap \nwarrow .



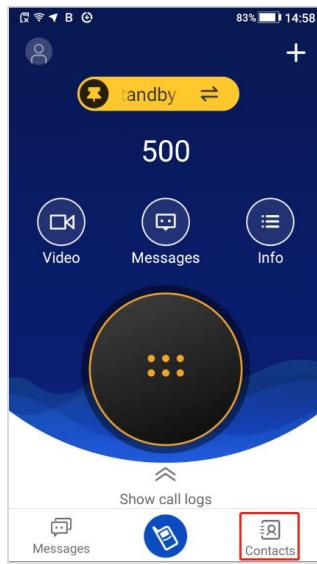
2. Tap  following a contact.
3. Tap **Messages**.



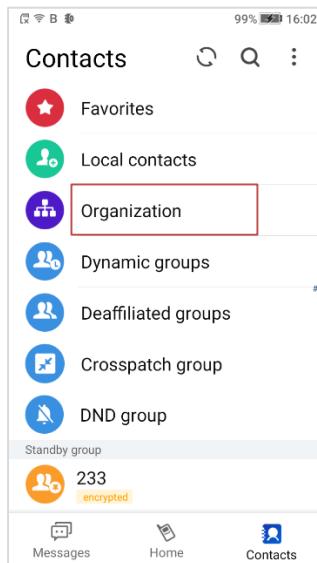
4. To send a message, see step 3 in [Through the Standby Group](#).

Through the Organization

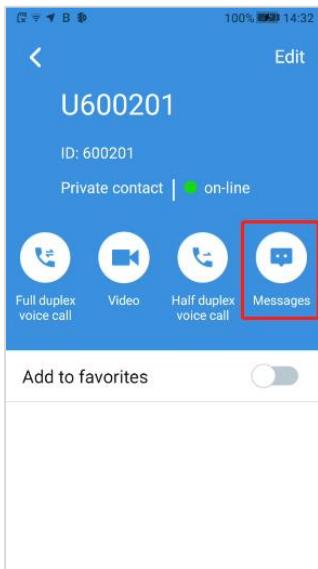
1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap **Organization**, and then tap a contact.



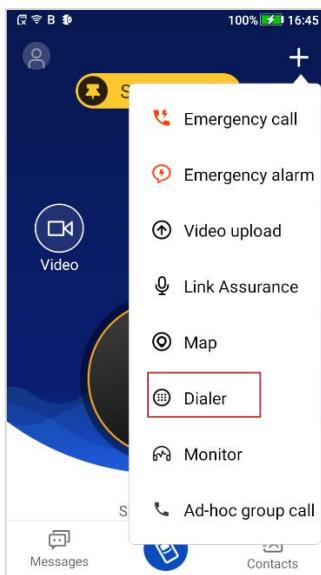
3. Tap **Messages**.



4. To send a message, see step 3 in [Through the Standby Group](#).

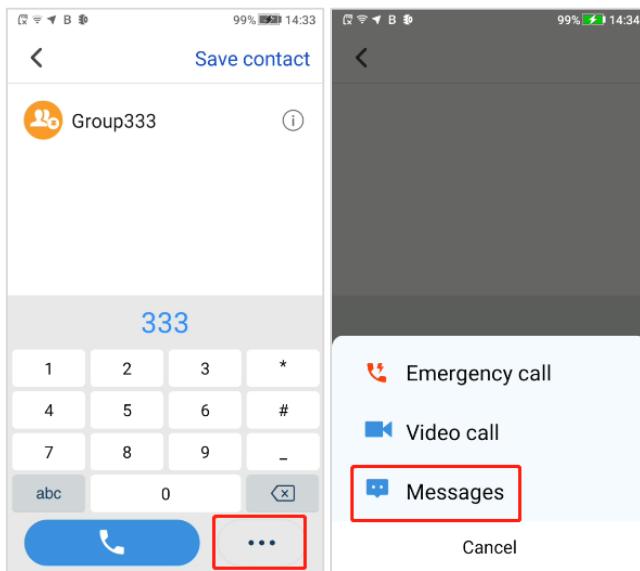
Through the Dialer

1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Dialer**.

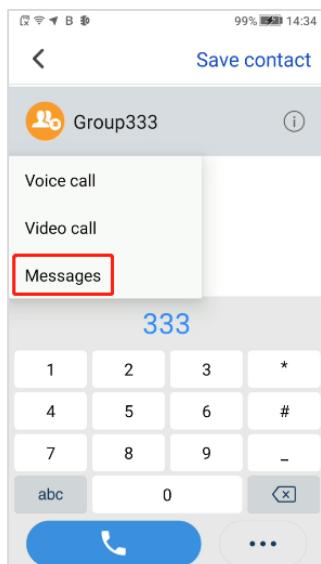


2. Enter the number of a recipient, and then do either of the following.

- Tap , and then tap **Messages**.



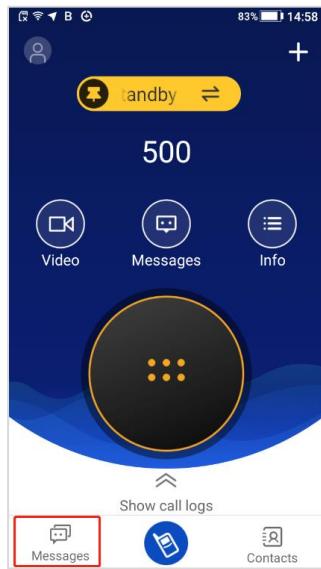
- Touch and hold the recipient until a menu pops up, and then tap **Messages**.



3. To send a message, see step 3 in [Through the Standby Group](#).

9.3 View Messages

1. On the home screen of the Hytera HyTalk MC client, tap .



2. Tap a conversation to view all messages exchanged with the contact.

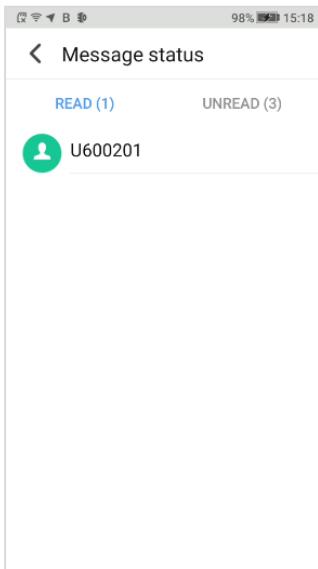
- For a conversation with a private contact, if is changed to before a message, the message has been read.
- For a conversation with a group contact, the circled number before the message represents the number of group members who have read the message. After all group members read the message, appears before the message.



NOTE

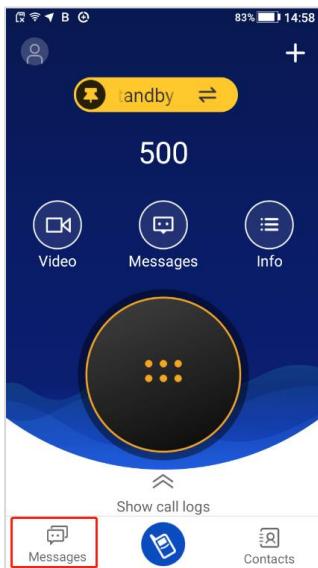
In the upper right corner of the **Messages** interface, you can tap  to search for the message by keywords to save time.

3. Tap the circled number (for example, ①) to view the message status.



9.4 Reply Messages

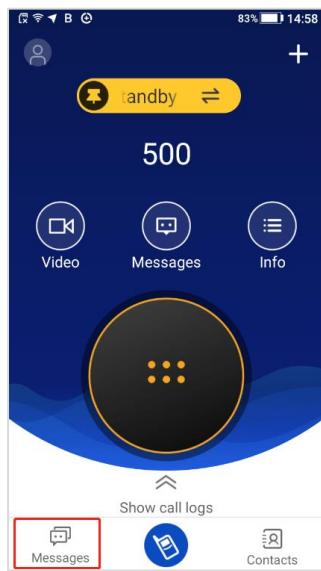
1. On the home screen of the Hytera HyTalk MC client, tap .



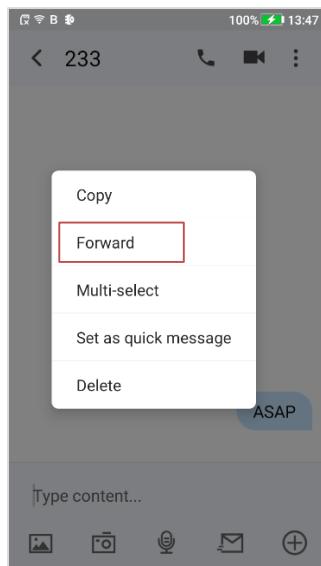
2. Tap a conversation to view all messages exchanged with the contact.
3. To reply to a message, see step 3 in [Through the Standby Group](#).

9.5 Forward Messages

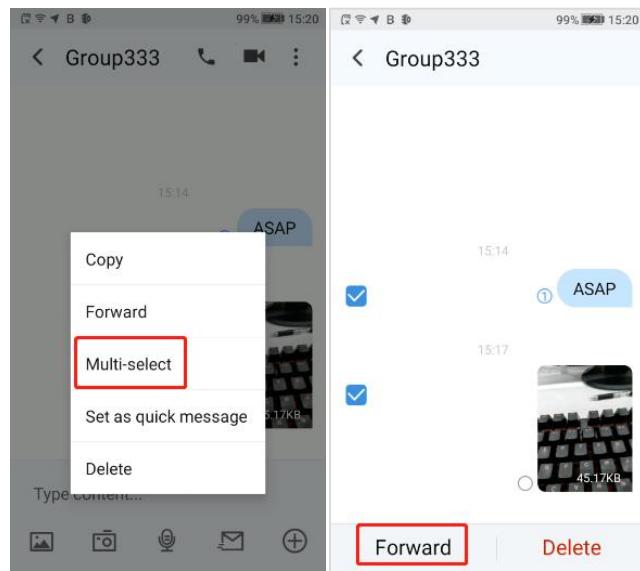
1. On the home screen of the Hytera HyTalk MC client, tap .



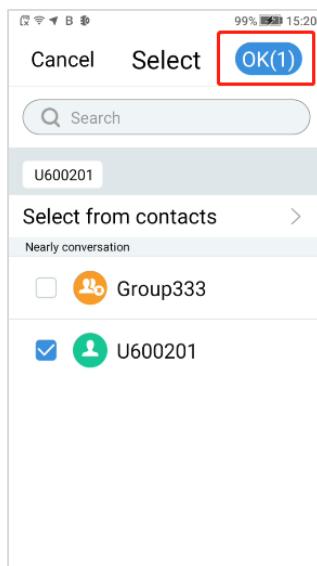
2. Tap a conversation to view all messages exchanged with the contact.
3. Do either of the following:
 - To forward one message, touch the message until a menu pops up, and then tap **Forward**.



- To forward multiple messages, touch one message until a menu pops up, tap **Multi-select**, tap required messages, and then tap **Forward**.



4. Select one or more recipients, tap **OK**, and then tap **Send** on the dialog.



10. Emergency Alarm

You can send an emergency alarm, which is a status message indicating an emergency, to a preset contact to seek help.

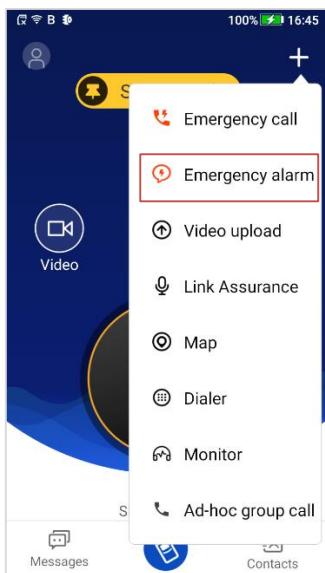
Prerequisite

Before sending an emergency alarm, do the following:

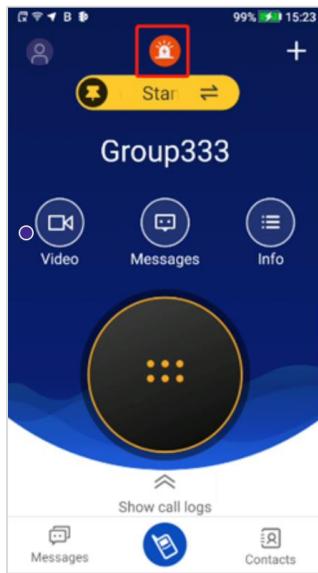
- Contact the administrator of UNMS to configure the contact to which an emergency alarm is sent to.
- Make sure that you have selected **Emergency alarm** in  > Call options > Emergency key mode. For details, see [6.1 Set the Call Information](#).

Through the Menu

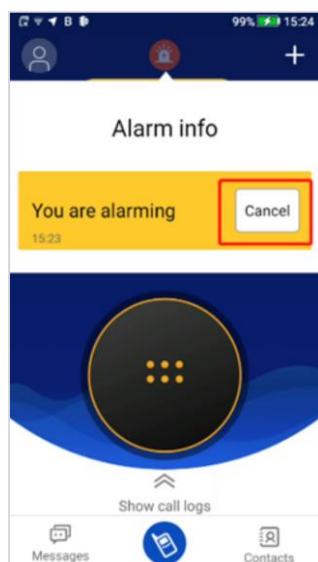
1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Emergency alarm**.



The icon  appears.



2. (Optional) To cancel the emergency alarm, tap , and then tap **Cancel**.



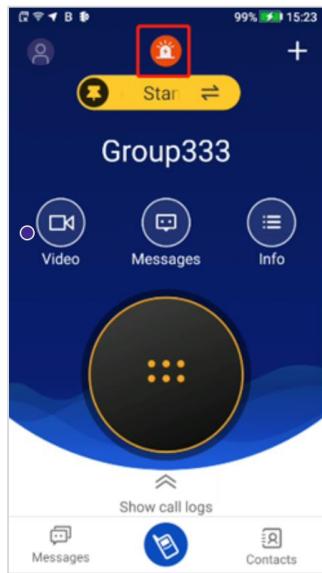
Through the Emergency Key

1. Long press the **Top Key (TK)** of the radio.

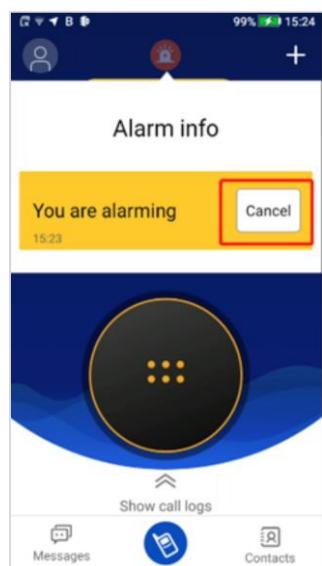
NOTE

The locations of the emergency key are subject to radio models.

The icon  appears.



2. (Optional) To cancel the emergency alarm, tap , and then tap **Cancel**.



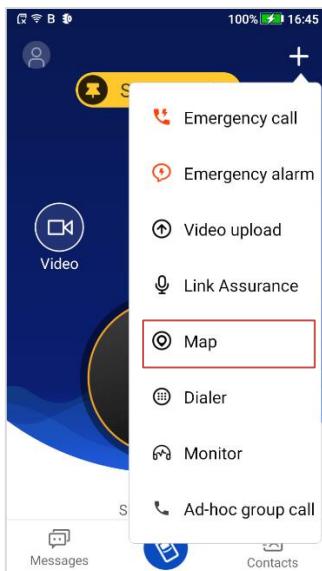
11. Location Subscription

After you subscribe to the location information, you can view locations of other radios and radios in groups on the map.

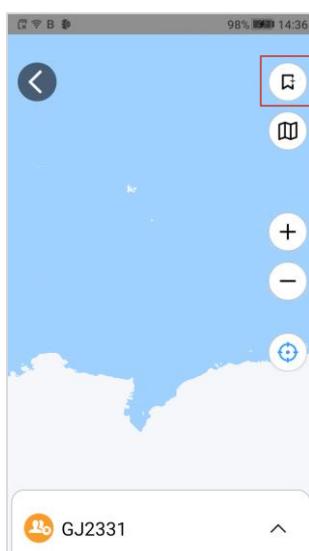
NOTE

Contact the administrator of UNMS to turn on the location subscription feature.

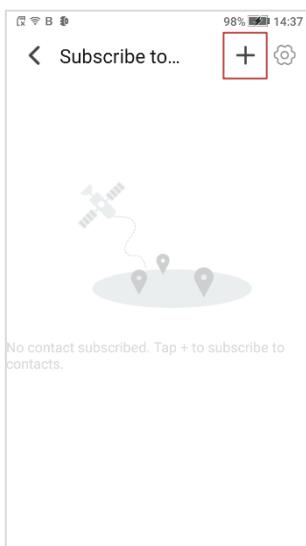
1. On the home screen of the Hytera HyTalk MC client, tap , and then tap **Map**.



2. In the upper right corner, tap .



3. In the upper right corner, tap .



4. Select the contacts that you want to subscribe to.
 - Tap **Private contacts**, and then select the private contacts.
 - Tap a group, and then select the group members.
5. Tap **Subscribe**.

You can view locations of the selected contacts on the map.

12. Stun, Revive, or Kill the Account

Stun

After your account is stunned by the dispatcher, the Hytera HyTalk MC client will be deprived of all functions except login, logout, and location.

To restore the account for normal use, contact the dispatcher.

Revive

After the stunned account is revived by the dispatcher, all functions of the Hytera HyTalk MC client will resume.

Kill

After your account is killed by the dispatcher, the Hytera HyTalk MC client will be deprived of all functions. To reuse the client, contact the UNMS administrator.

13. Convergence-native Communications

13.1 Interconnection Between MCS and TETRA Systems

The Hytera HyTalk MC client supports voice and data service interconnection between MCS and TETRA terminal users, including:

- Half-duplex voice private call
- Full-duplex voice private call
- Voice group call
- Emergency group call
- Emergency private call
- One-to-one SDS

Text-based communication between MCS and TETRA terminal users.

- Group SDS

One-to-many messaging service that allows one MCS or TETRA terminal user to send a message to all other users in the same group and associated group.



NOTE

Because TETRA terminal users are not visible in the group, the MCS terminal user cannot directly initiate a half-duplex voice private call or a full-duplex voice private call to an MCS terminal user in the same group.

13.2 Interconnection Between MCS and DMR Systems

The Hytera HyTalk MC client supports voice and data service interconnection between MCS and DMR terminal users, including:

- Half-duplex voice private call
- Full-duplex voice private call
- Voice group call
- Emergency group call
- Emergency private call
- One-to-one SDS

Text-based communication between MCS and DMR terminal users.

- Group SDS

One-to-many messaging service that allows one MCS or DMR terminal user to send a message to all other users in the same group and associated group.

 **NOTE**

Because DMR terminal users are not visible in the group, the MCS terminal user cannot directly initiate a half-duplex voice private call or a full-duplex voice private call to an MCS terminal user in the same group.

14. Abbreviations

Abbreviation	Full Name
APN	Access Point Name
DGNA	Dynamic Group Number Assignment
GPS	Global Positioning System
HTTP	Hyper Text Transfer Protocol
IP	Internet Protocol
MCS	Mission Critical Service
NIC	Network Interface Card
PoC	Push-to-Talk over Cellular
PTT	Push-to-Talk
SIM	Subscriber Identity Module
UNMS	Unified Network Management Server
WLAN	Wireless Local Area Network



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