IP ADVANCED RADIO SYSTEM

IP500APP INSTRUCTIONS

The IP500APP is an iOS/Android application that is used to communicate with IP transceivers. This instruction document shows how to use the application.

System requirements

The following system is required to use the application. (As of September 2026)

Data device for iOS
iOS version 15 or later, iPadOS version 15 or later
ⓘ Download the application from the App Store. See page 2.

Data device for Android
Android version 8.0 or later
ⓘ Download the application from the Google Play Store. See page 2.

❍ **Disclaimer**
- The application may not work properly, depending on the OS version, installed applications, signal strength, or other reasons.
- Icom is not responsible for any lost profits, or data, or consequential, special, indirect, or incidental damages.
- This Instruction document is based on using Android 16, and iOS 18.7.1. Depending on the OS version or settings, the indications or items may differ.
- The screen shots on these Instructions are just examples, so the contents may differ from the actual ones.

Operating notes

- Confirm permissions such as accessing the device location, on your device to operate the IP500APP. See your device's manuals for details.
  ⓘ Some permissions may change, depending on the data device version.
- When a Bluetooth headset (example: VS-3) is used, [PTT] and the VOX function on the headset cannot be used.
- Even when the application is running in the background, you can receive a call without changing to the IP500APP screen.
- Display this application screen when you transmit a call or message.
  ⓘ When using the CS45 XA smartphone from Cyrus Technology, you can transmit a call with the PTT button even while running in the background.
- When you receive a call from a telephone, the sound will be muted and [PTT] cannot be operated.
- The application supports only portrait orientation. It does not support Auto Rotate.

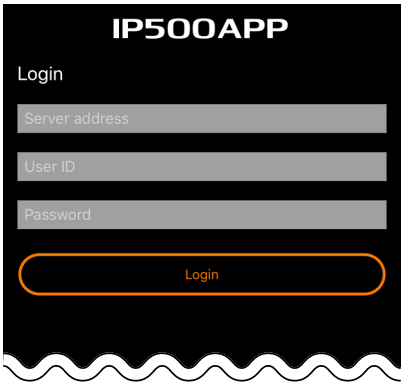
Find and download IP500APP

1. Turn ON your Android or iOS device.
2. Touch “Play Store” (Android) or “App Store” (iOS).
3. Enter “IP500APP” in the search field and search.
   • “IP500APP” will be displayed as the search result.
   ⓘ You may need to enter “IP500APP” as a complete word to get the search result.
   ⓘ If your Android or iOS device does not support the IP500APP, “IP500APP” may not appear as the search result.
4. Touch “IP500APP.”
   • Displays the introduction screen of the IP500APP.
5. Touch <INSTALL> (Android) or <GET> (iOS).
   • Installation starts.
   • After the installation is finished, the IP500APP icon is displayed on the screen.

Log-in

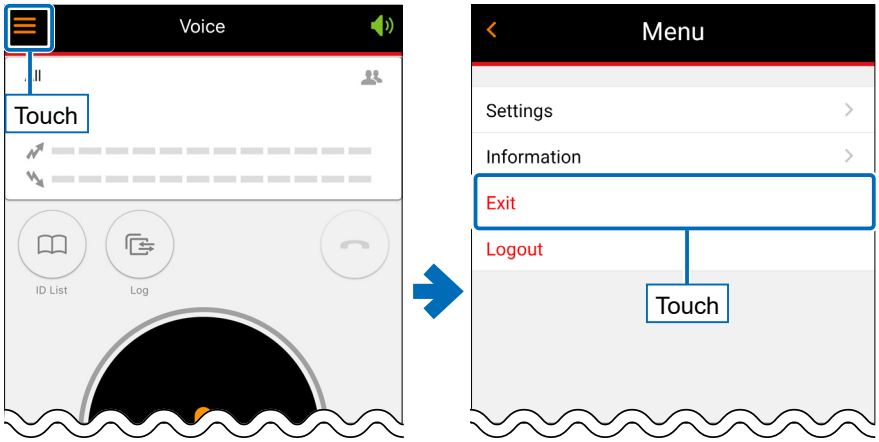
Before using this application, you have to register the server address, the User ID and the password in it.
Ask your dealer for details.
ⓘ From the second startup, you can automatically log in.

NOTE:
- You cannot log into two or more devices with one ID at the same time. If you try it, the last logged-in application can be operated.
- If you fail to log in several consecutive times, “Login is temporarily restricted due to multiple invalid attempts. Please try again later.” is displayed.
  ⓘ You must wait a few minutes before you try to log in again.

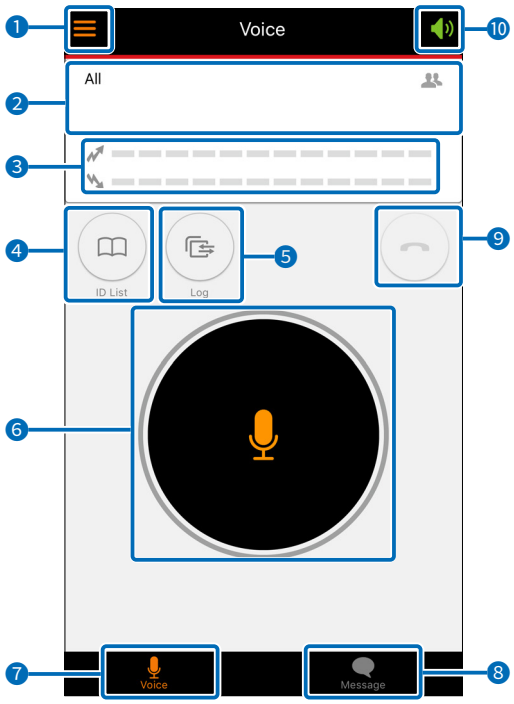


Exiting the IP500APP (Android)

You can exit the IP500APP by touching “Exit” in the menu or touching “Exit” on the notification panel.



Voice screen



❶ Menu Icon

Touch to display the menus, as shown below.

“Settings”
Displays the function and sound settings. (p. 9)

“Bluetooth LE (for headset PTT setup)”
(For only iOS device)
Displays the settings for the Bluetooth LE connection. (p. 16)

“Information”
Displays your own Name, Unit ID, the current application version, and the Open Source License being used in this application.(p. 9)

“Exit” (For only Android device)
Touch to exit the application.

“Logout”
Displays the Logout Confirmation Dialog.
Touch “OK” to log out from the application.
ⓘ May not be displayed. Ask your dealer for details.

❷ Status Display

Displays the call destination and message.

Call type icons
: All Call/Group Call
: Talkgroup Call
: Individual Call
: Telephone Call

❸ TX/RX Status Bar

Green: Blinks sequentially with reception voice level.
Red: Blinks sequentially with your voice level when transmitting.
ⓘ When you adjust the volume, set the Reception Volume or Transmission Volume on the Settings screen (p. 4).

❹ [ID List]

Touch to display call types “All,” “Individual,” “Group (Talkgroup),” or “Telephone.”
ⓘ See page 10 for details.

❺ [Log]

Touch to display log histories “Tx Log,” “Rx Log,” “Tx MSG Log,” “Rx MSG Log,” “Tx TEL Log,” “Rx TEL Log,” and “Recording Log.” See page 14 for details.

❻ [PTT]

Long touch [PTT] while transmitting.
ⓘ When the One Touch PTT setting (p. 4) is ON, touch [PTT] to start or stop transmitting.

NOTE: If [PTT] is displayed as shown below, you cannot transmit a call.

- If [PTT] is displayed as shown on the right, wait a few minutes, move to a different place, or check the Wireless LAN or LTE network until [PTT] changes to orange.



- If the [PTT] is displayed as shown on the right, transmission is inhibited by your dealer.



❼ [Voice]

Touch to change from the Message screen to the Voice screen.

❽ [Message]

Touch to change from the Voice screen to the Message screen (p. 13).
ⓘ You can see the received message on the Log screen (p. 14).

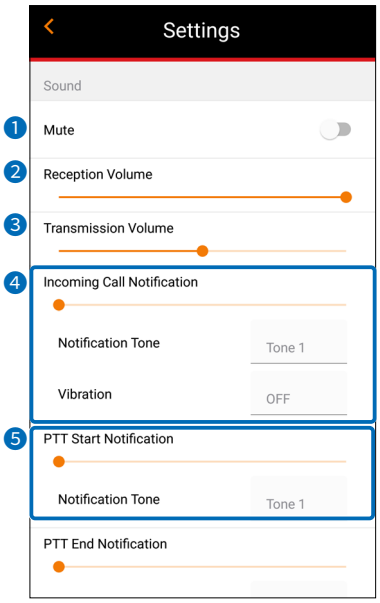
❾ [Clear down]

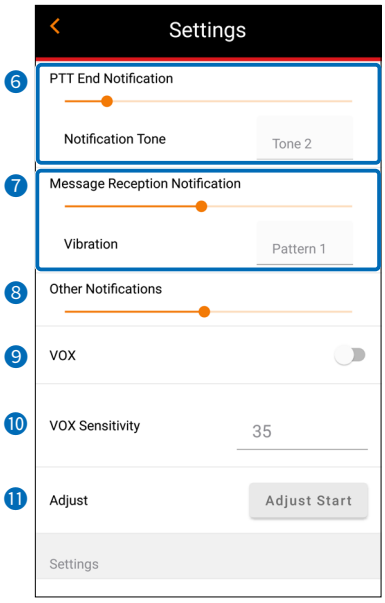
Touch to hang up a Telephone call.
ⓘ IP500APP can terminate the Telephone call when:
- The call type is “Individual” and the call was initiated by the telephone,
- The call is initiated by the IP500APP.

❿ [Speaker]

Touch to turn the speaker function ON or OFF.
When this function is ON, the speaker icon lights green and you can take the phone away from your face while talking and listening.

Settings screen





❶ Mute

Select to turn the Mute function ON or OFF.
When the Mute function is ON,

- Every notification, sound, or vibration from this application is muted.
- "[MUTE]" is displayed on the Status Display.

❷ Reception Volume

Adjust the volume level of a reception call.

❸ Transmission Volume

Adjust the input volume level.

❹ Incoming Call Notification

Set the notification volume level, the notification tone pattern, and the vibration pattern when a call is received.

❺ PTT Start Notification

Set the notification tone pattern and the notification volume level when starting the transmitting.

❻ PTT End Notification

Set the notification tone pattern and the notification volume level when finishing the transmitting.

❼ Message Reception Notification

Set the notification volume level and the vibration pattern when a Message is received.

❽ Other Notifications

Set the notification volume, as shown below.

Time-out Timer: Sounds when you continuously transmit for over 5 minutes.
Success Tone: Sounds when an Individual call is successfully transmitted.
Failure Tone: Sounds when a Individual call is failure in transmitting.
TX Inhibit: Sounds when transmitting is inhibits.

ⓘ If you want to turn these function ON or OFF, ask your dealer for details.

❾ VOX

(For only the JPN versions as of September 2026)

Select to turn the VOX function ON or OFF.
The VOX function automatically switches between receive and transmit by detecting sounds.

❿ VOX Sensitivity

(For only the JPN versions as of September 2026)

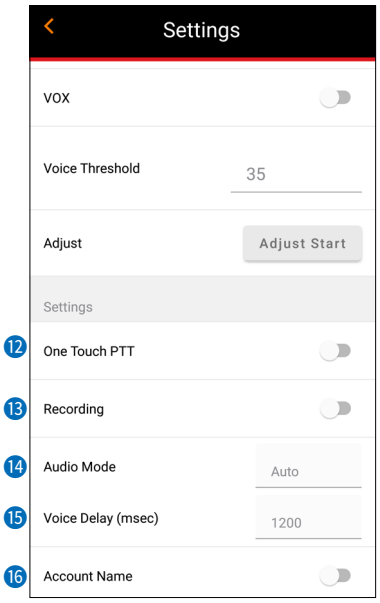
Set the VOX Sensitivity level.

⓫ Adjust

(For only the JPN versions as of September 2026)

Push <Adjust Start> to automatically adjust the Voice Threshold setting.

Settings screen



12 One Touch PTT

Select to turn the One Touch PTT function ON or OFF.

ON: Starts or stops transmitting when you touch [PTT].

OFF: Transmits only while touching [PTT].

13 Recording

Select to turn the Recording function ON or OFF.

ⓘ May not be displayed. Ask your dealer for details.

ⓘ See page 15 for details.

14 Audio Mode (For only Android device)

Select the type of the audio mode.

VoIP: The articulation is clear to communicate with IP500APP.

Music: Select when another application, such as a music player, is also running.

ⓘ The articulation is not clearer than “VoIP.” We do not recommend selecting “Music.”

Auto: “VoIP” is automatically selected while transmitting or receiving. When you do not communicate, “Music” is selected.

15 Voice Delay (msec) (For only Android device)

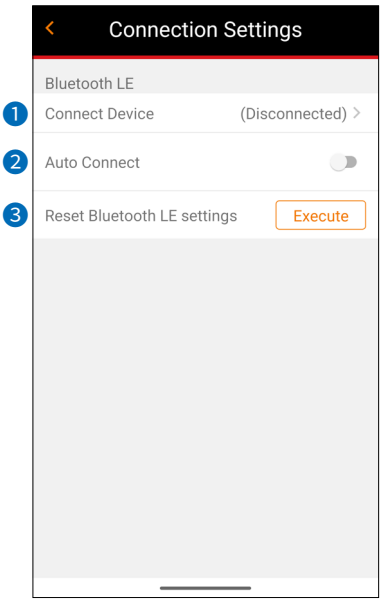
Adjust the Voice Delay time to prevent clipping of the first few syllables after you begin speaking.

ⓘ You can set only when the Audio Mode is set to “Auto.”

16 Account Name

Select to display the User ID required to log in to this application on the Voice screen or the Message screen.

Bluetooth LE (Connection Settings) screen (For only iOS device)



1 Connect Device

Lists the connected Bluetooth LE devices.
Select to add, change, or disconnect devices.

2 Auto Connect

Turn ON to automatically connect to the recently connected Bluetooth LE device when the IP500APP starts.

3 Reset Bluetooth LE Settings

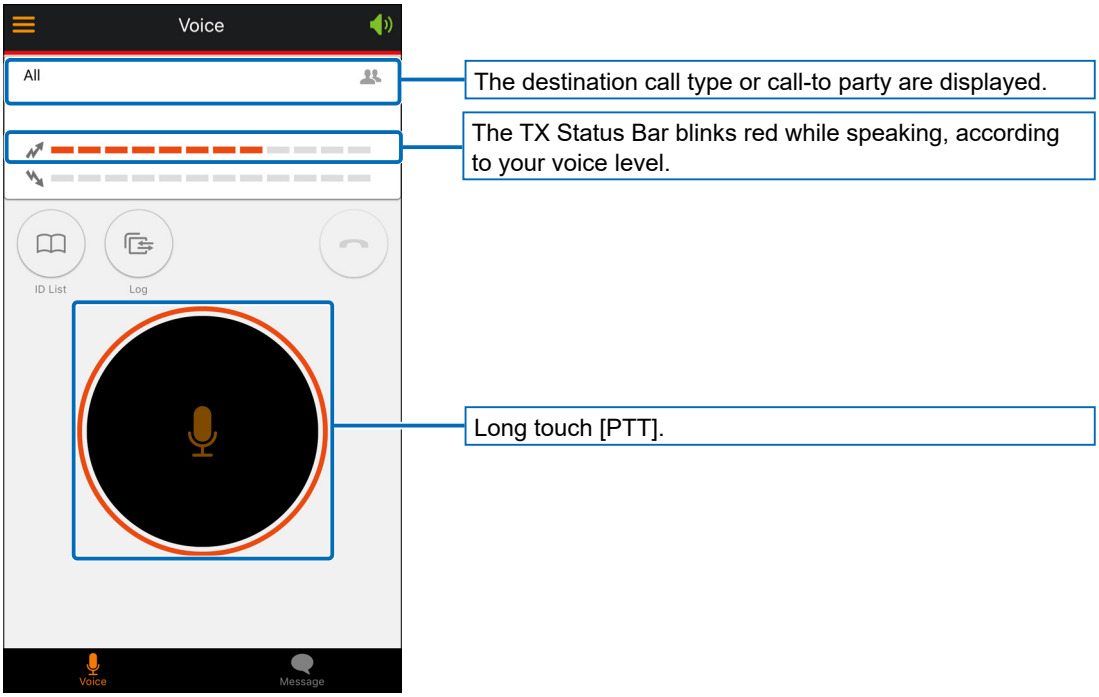
Touching <Execute> resets the Bluetooth LE settings on the application to the default.

Transmitting and receiving

◇ Transmitting

Long touch [PTT] and speak at your normal voice level.

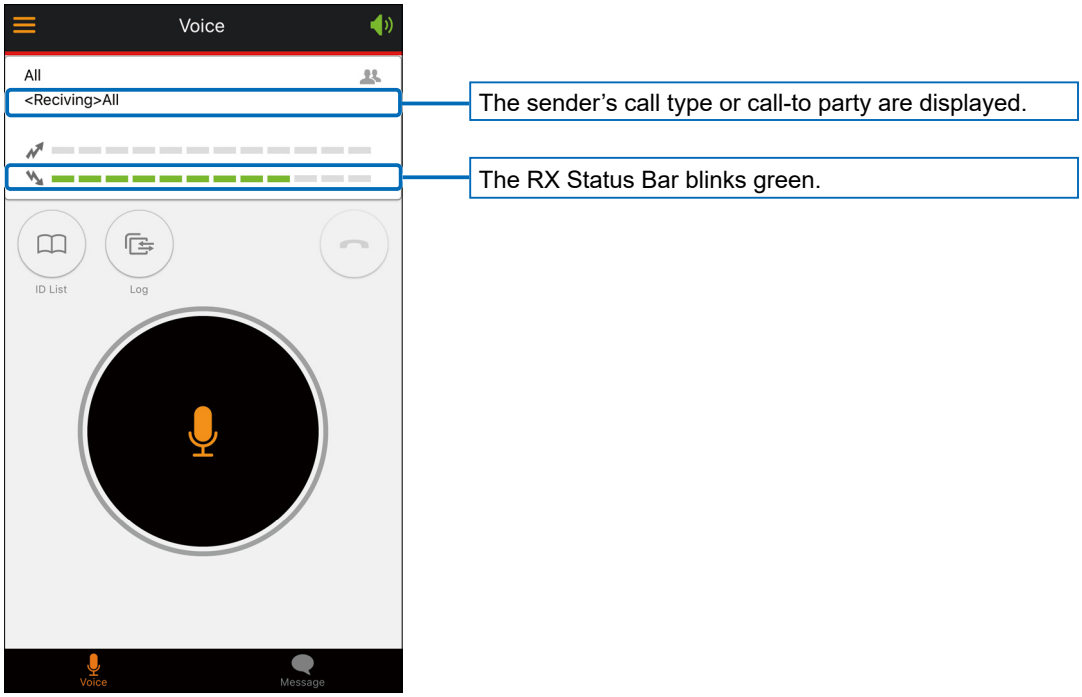
ⓘ When the One Touch PTT function (p. 4) is ON, touch [PTT] to start or stop transmitting.
ⓘ Select a call destination from the ID List screen (p. 10) or the Log screen (p. 14).
ⓘ When using the CS45 XA smartphone from Cyrus Technology, you can transmit a call with the PTT button.
(You need to assign the IP500APP [PTT] function to the PTT button on the smartphone. Ask your dealer for details.)



About the Time-out Timer:
If you continuously transmit for over 5 minutes, the Time-out Timer automatically stops the transmission to prevent prolong transmissions. Release [PTT], then touch again to resume talking.

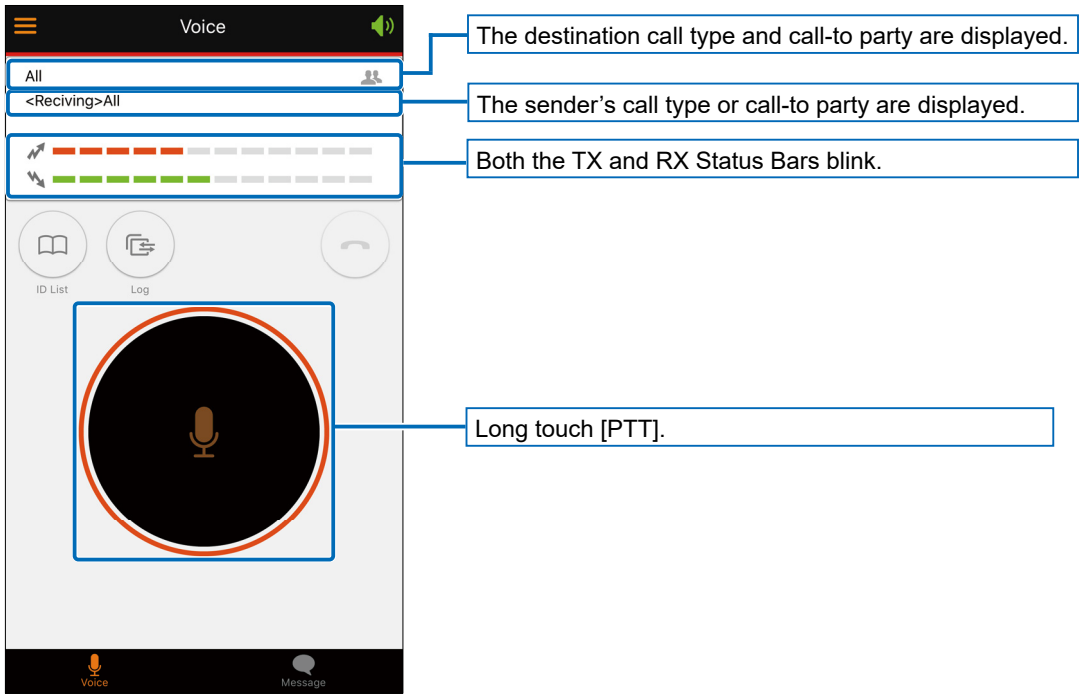
◇ Receiving

When a call is received, the received audio is heard.
• “<Receiving>” is displayed.



◇ Talk while receiving a call

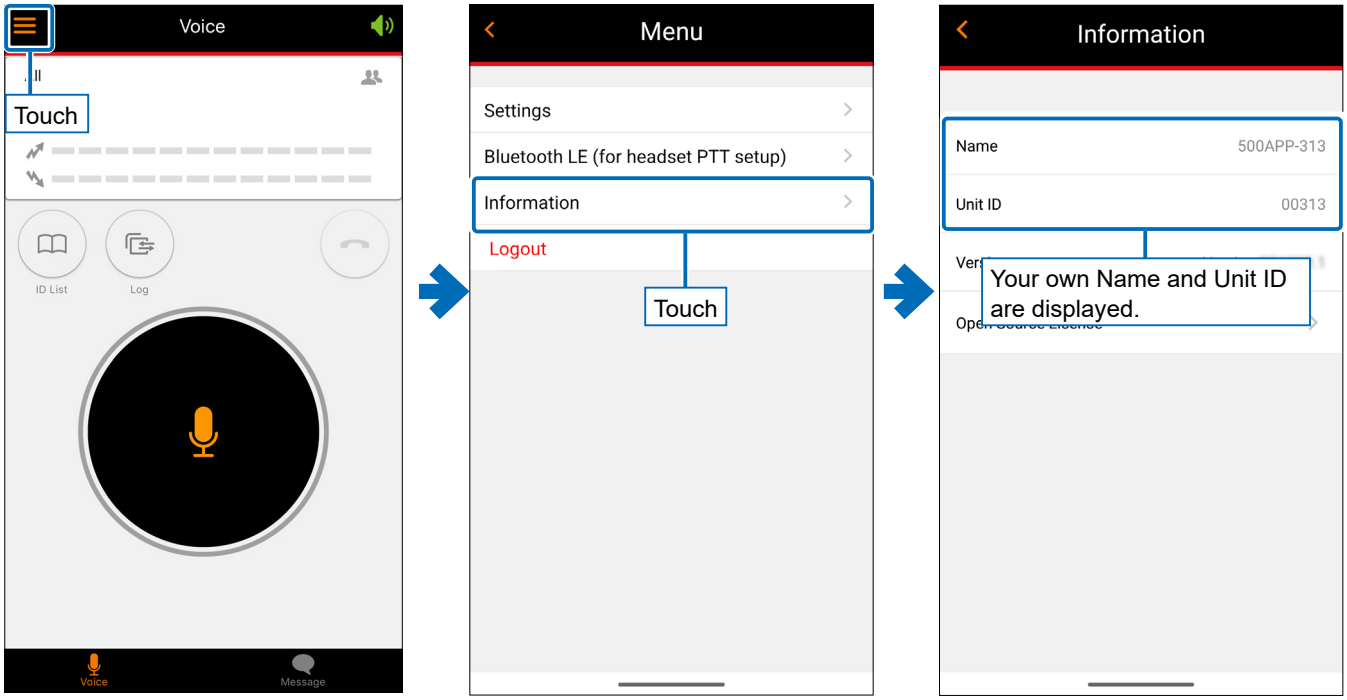
While receiving a call, long touch [PTT] to talk in the full-duplex mode, just like a telephone.



Confirming the Unit ID and Name

You can confirm your own Name and Unit ID.

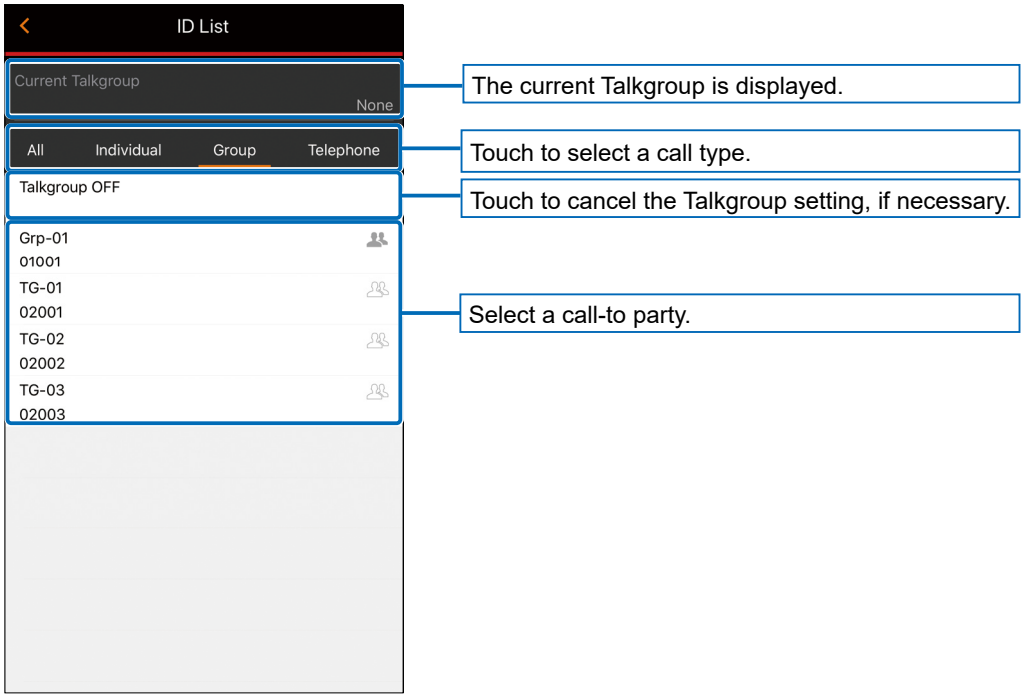
1. Touch the Menu Icon.
2. Touch “Information” in the Menu screen.
   - Your own Name and Unit ID are displayed in the Information screen.



Using ID list

You can select a call type or call-to party on the ID List screen.
ⓘ During the telephone call on the IP500APP, you cannot change the call destination.

1. Touch [ID List] to display the ID List screen.
2. Select the call type from, “All,” “Individual,” “Group (Talkgroup),” or “Telephone.”
   ⓘ The Talkgroup setting is canceled, when you select a Group or when you touch “Talkgroup OFF.”
3. Select the call-to party. (Example: Grp-01)
   ⓘ Ask your dealer for details of each ID List setting.

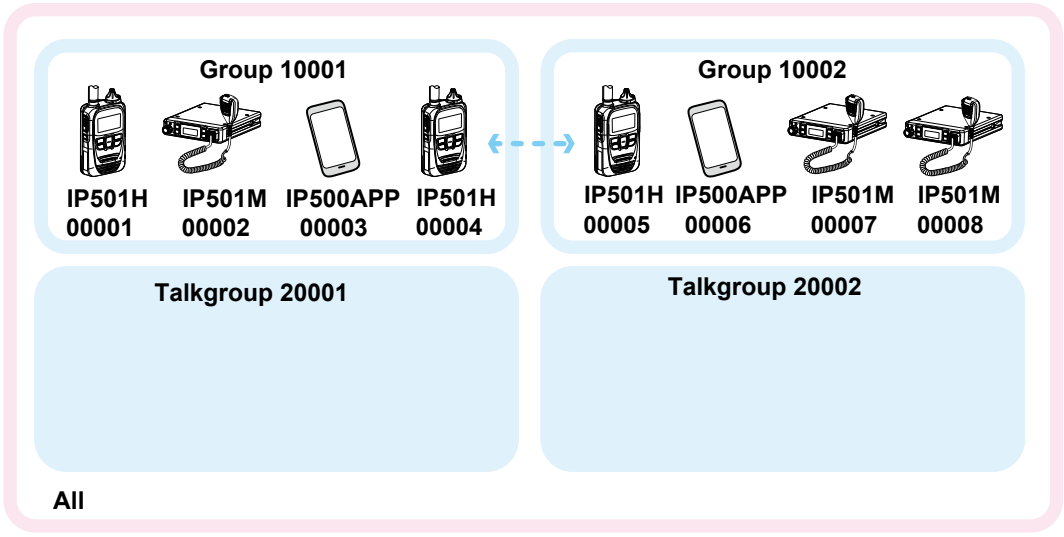


About the group (or talkgroup) call

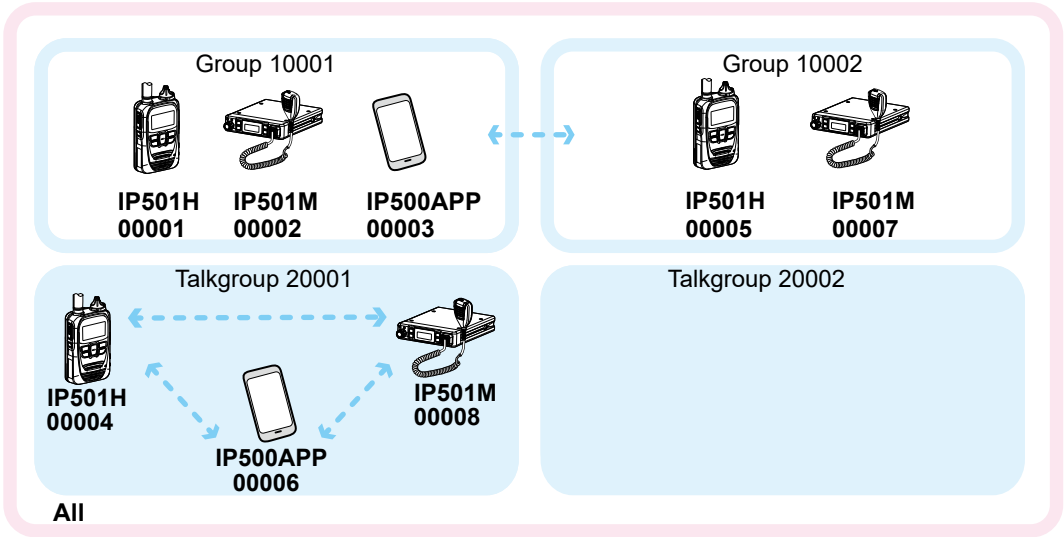
The Talkgroup Call function enables the user to communicate with call-to parties in the same Talkgroup.
For example, in the illustration below, when IP501H “00004” in its normal group “10001” selects Talkgroup “20001,” it is excluded from group “10001,” and can communicate with only IP500APP “00006” and IP501M “00008” that belong to group “20001.”

- ⓘThis function may be used only when the Talkgroup number is registered by your dealer.
- ⓘSelect a Talkgroup by the ID List screen. (p. 10)
- ⓘIf the “Talkgroup Type” is set to “Multiplex Talkgroup,” the IP500APP can make a Talkgroup Call between the linked talkgroups. (p. 12)
- ⓘAsk your dealer about whether or not to include Talkgroup in the All Call.

When Talkgroup is OFF



When Talkgroup is selected

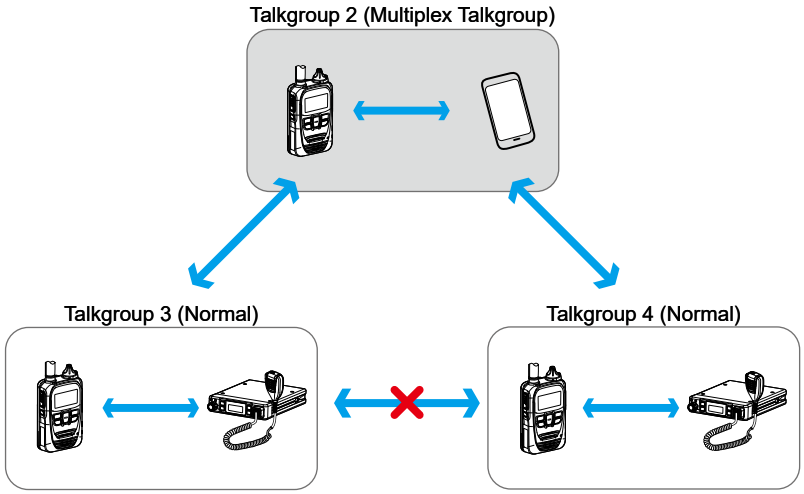


About the group (or talkgroup) call

ⓘ If the “Talkgroup Type” is set to “Multiplex Talkgroup,” the IP500APP can make a Talkgroup Call between the linked talkgroups.

Example: When Talkgroup 3 (Normal) and Talkgroup 4 (Normal) belong to Talkgroup 2 (Multiplex Talkgroup).

- Talkgroup 2 can call Talkgroup 2, Talkgroup 3, and Talkgroup 4.
- Talkgroup 3 can call Talkgroup 2 and Talkgroup 3.
- Talkgroup 4 can call Talkgroup 2 and Talkgroup 4.

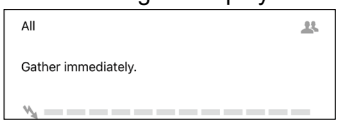


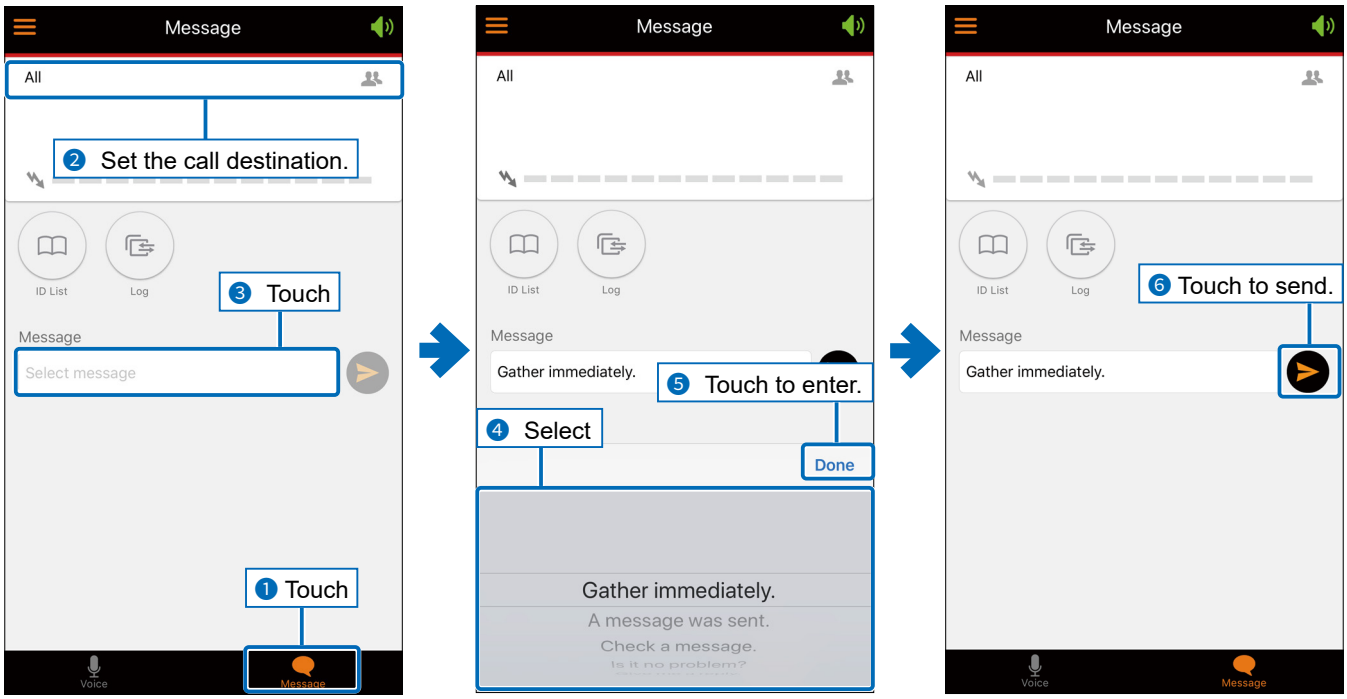
Sending a message

You can send a message on the Message screen.

NOTE: IP500APP can send and receive messages to or from only IP transceivers.

1. Touch [Message] to display the Message screen.
2. Set the call destination on the ID List screen (p. 10) or the Log screen (p. 14).
3. Touch “Select Message.”
4. Select a message.
   ⓘ Ask your dealer to change the message options.
5. Touch “Done” to enter a message. (For only iOS device)
6. Touch “➤” to send a message.
   • The sent message is displayed on the Status Display as below.

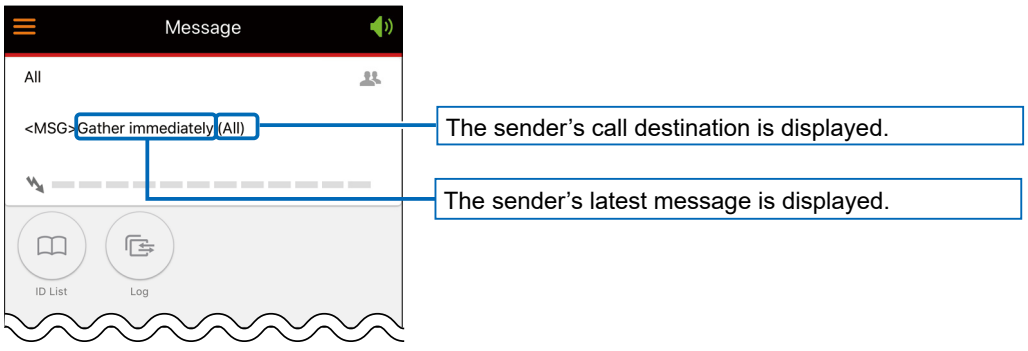




(Example: iOS device screen)

When you receive a message,

• “<MSG>” is displayed on the Status Display.
• Your device vibrates or sounds a beep, depending on the settings (p. 4).
ⓘYou can see the received message log on the Log screen (p. 14).



Using the log

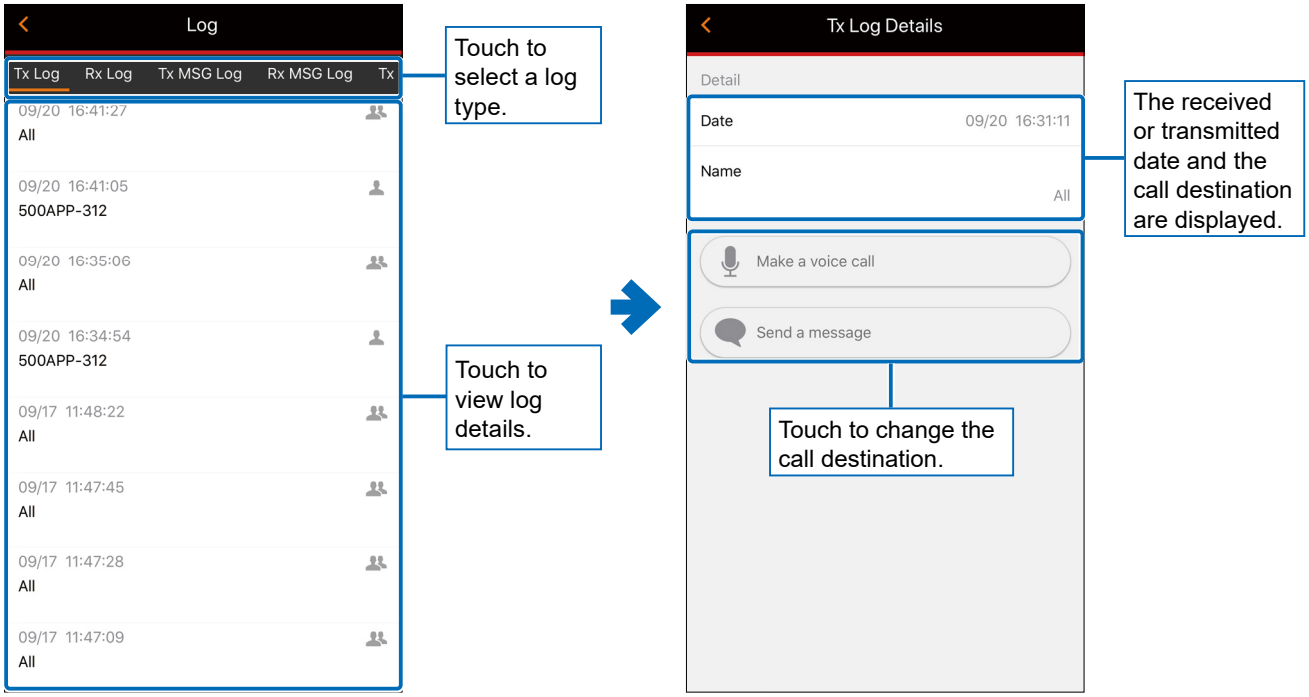
You can view the “Tx Log,” “Rx Log,” “Tx MSG Log,” “Rx MSG Log,” “Tx TEL Log,” “Rx TEL Log,” or “Recording Log.” You can also change the call destination on the detail screen.

ⓘ The oldest log will be automatically overwritten when the 101st call is recorded.

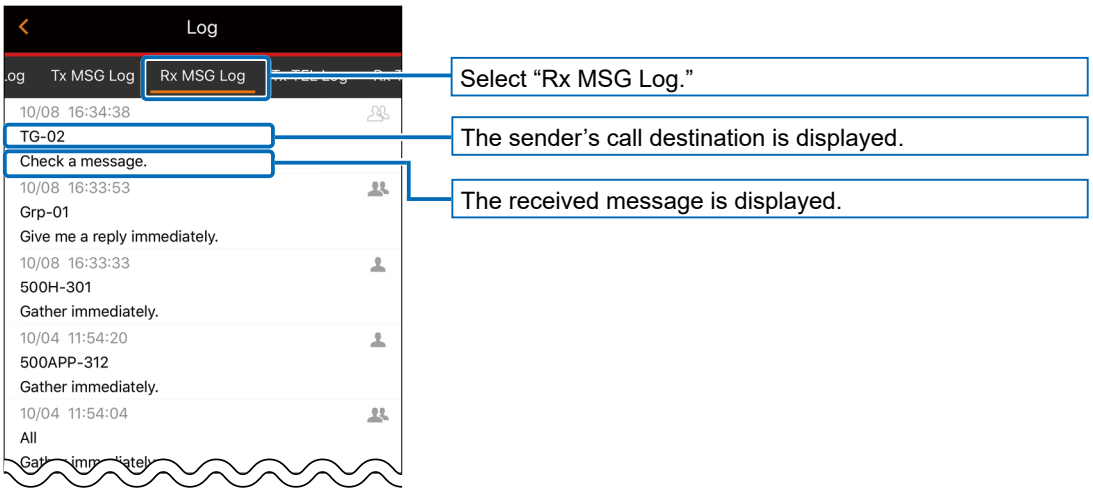
ⓘ See page 15 for the Recording function.

1. Touch [Log] to display the Log screen.
2. Select the log type.
3. Select a log.
   - The received or transmitted date and the call destination are displayed.

   ⓘ When you viewed, “Tx MSG Log” or “Rx MSG Log,” the received message are also displayed.
4. Touch “Make a voice call” or “Send a message,” to set the call destination from the log.



ⓘ When you view the received messages, touch to select “Rx MSG Log.”

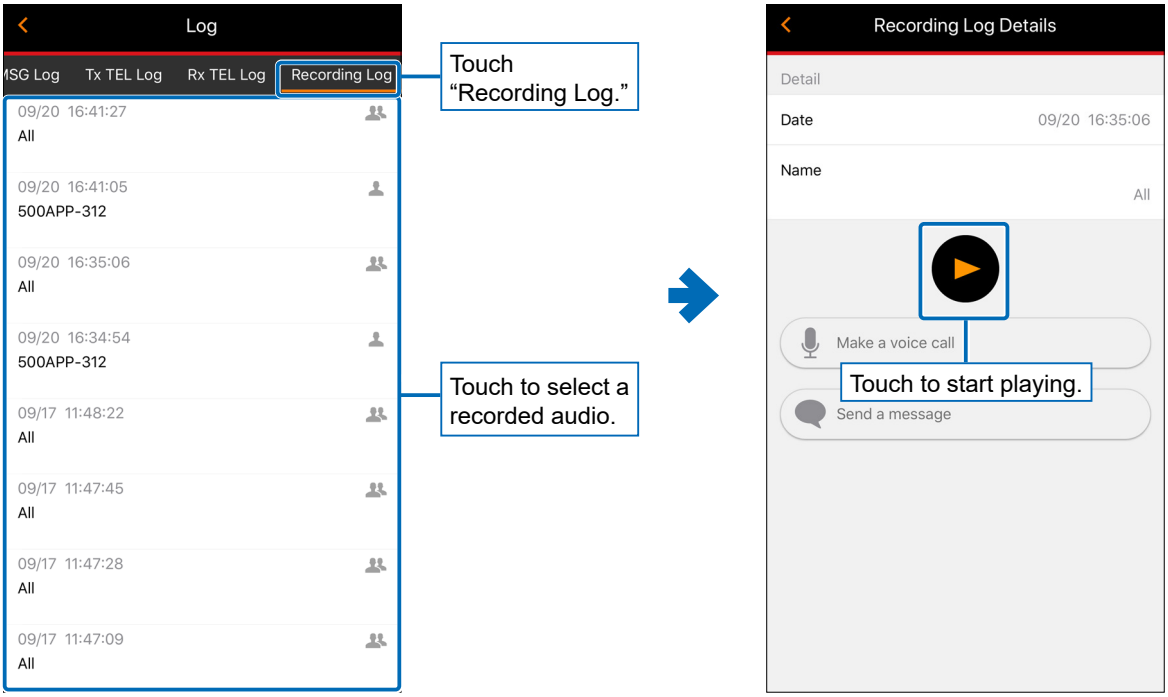


Recording function

The Recording function records the audio of received calls.
The recording duration of a single file is up to 1 minute. Up to 10 calls can be recorded and saved. The oldest file will be automatically overwritten when the 11th call is recorded.
To playback the recorded audio, select a Recording Log on the Log screen.

ⓘ Turn the Recording function ON to use this function (p. 4).
ⓘ Playback is stopped when a call is received.
ⓘ When the Recording function is not used, ask your dealer for details.

NOTE:
- Only the call destination's voice is recorded.
- The recorded audio data cannot be exported.

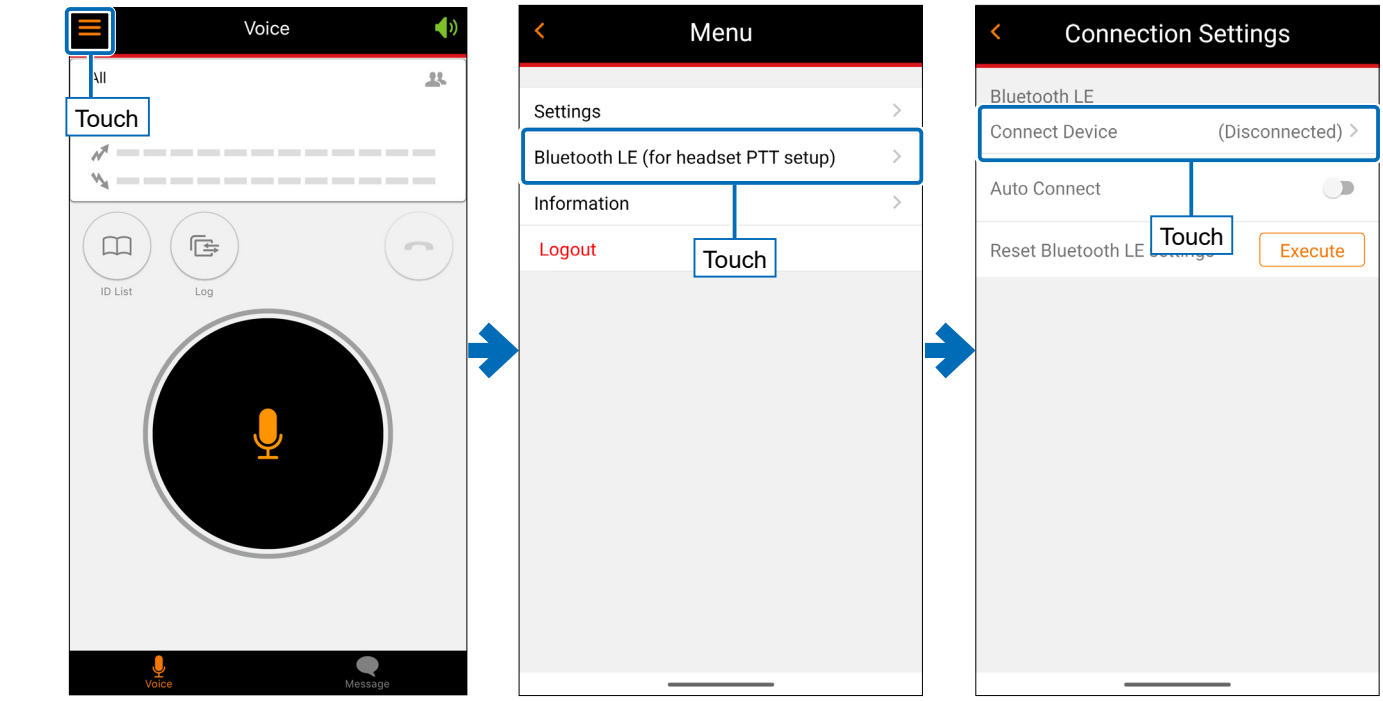


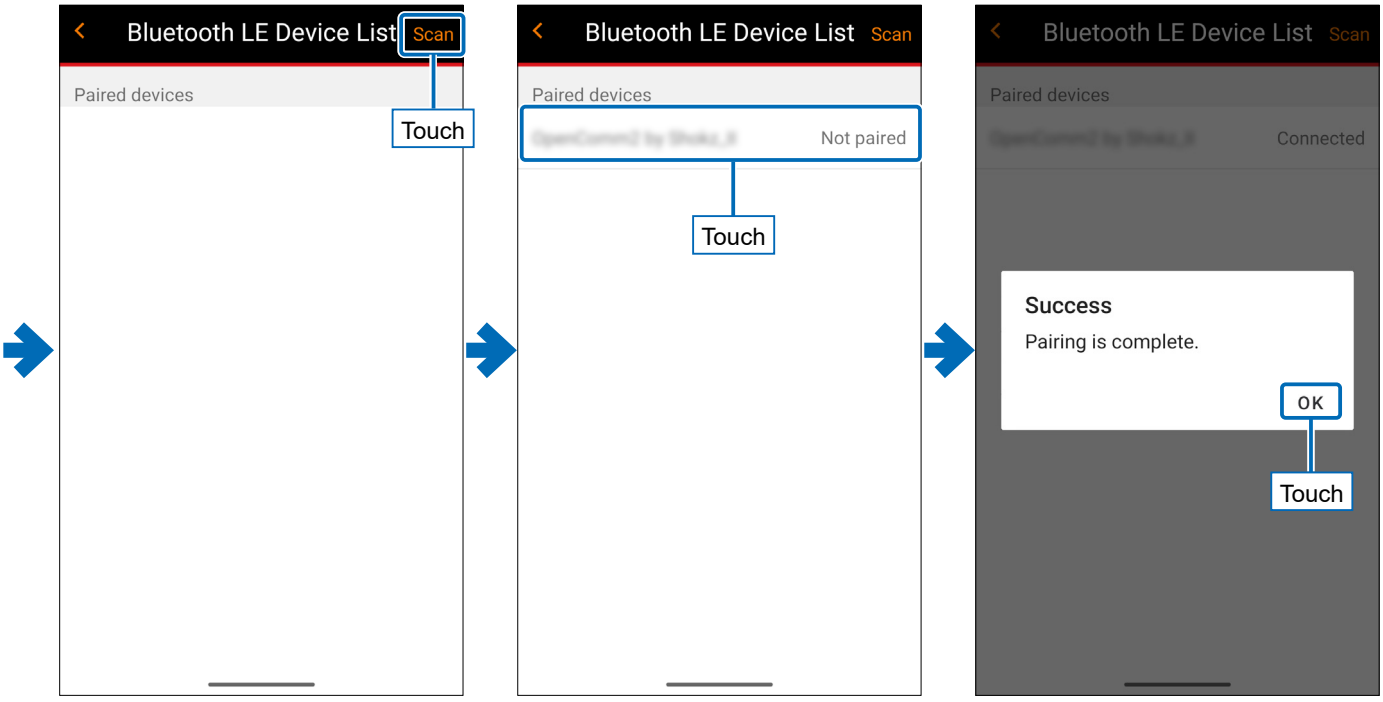
Connecting a Bluetooth LE headset (For only iOS device)

You can use a headset compatible with the Bluetooth LE (Bluetooth Low Energy) by pairing on the IP500APP.

Before setting on the IP500APP

- Confirm that both the Android or iOS device and the headset supports the Bluetooth LE connection. See the device's manual for details.
- Pair and connect the headset to your Android or iOS device in advance using the OS's Bluetooth settings.





About the Auto Connect function

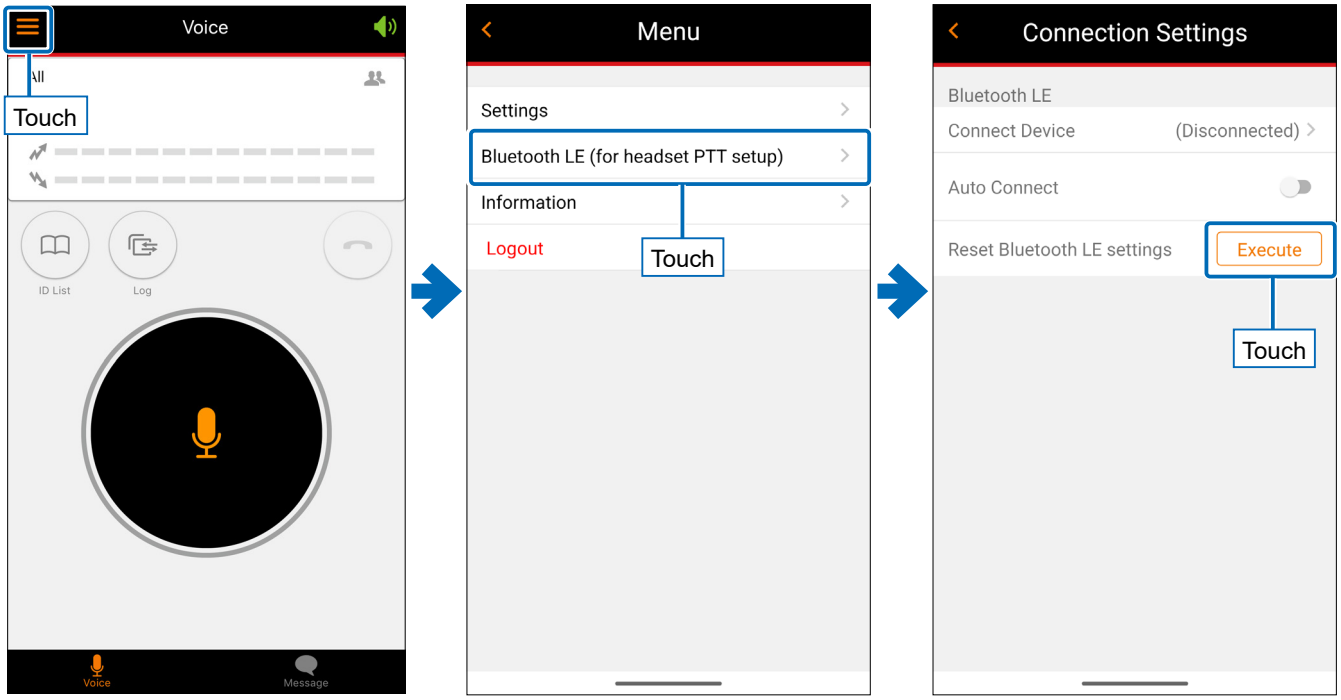
By turning ON the Auto Connect function, the IP500APP automatically connects to the recently connected Bluetooth LE device when the application starts.

Resetting the Bluetooth LE settings

If a problem occurs with the Bluetooth LE connection, you may resolve it by resetting the IP500APP's Bluetooth LE settings to their defaults and setting them again.

The reset operation works as follows:

- Terminates the current Bluetooth LE connection.
- Turns OFF the Auto Connect function.
- Clears the paired devices.
- Clears the recently connected device information.



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