

Mobile App User Manual

Version 14



Pryvate

Powered by Criptyque

Table of Contents

| | |
|--|----------|
| Overview | 1 |
| Registration & Password | 2 / 2A-B |
| Operator Screen | 3-4 |
| Meetings/Conference Call | 5 |
| Schedule a Meeting | 6 |
| Settings / Share&Invite | 7-8/8B |
| Secure Voice Service | 9-10 |
| Establishing a trust relationship | 11 |
| Removing a trust relationship | 11 |
| How to Make a Call via Contacts | 12 |
| How to Bring up the Keypad During a Call | 13 |
| How to Mute the Audio During a Call | 13 |
| How to Receive a Call | 14 |
| How to Put a Voice Call on Hold | 14 |
| Secure Video Service | 15 |
| How to Initiate a Video Call | 16 |

| | |
|--|--------|
| Secure Conference Calling Service | 17 |
| How to Initiate a Secure Conference Call | 18 |
| Video Conference Calling | 19 A-B |
| Secure Instant Messaging Service | 20 |
| How to Initiate a Secure Instant Message | 21 |
| Online Status | 22 |
| Group Chat | 23-24 |
| Chat - Self Destruct | 25 |
| Instant Message Status | 26 |
| Send Voice Message | 27 |
| Delete Chat Message | 28 |
| Chat Security | 29 |
| Using the Contacts Section | 30 |
| Managing Contacts | 31 |
| Using the Recent Section | 32 |
| Troubleshooting | 33 |
| Added Security (Android) | 34-36 |
| Added Security (iOS) | 37-40 |

| | |
|-------------------------|-------|
| Pryvate Email Client | 41-44 |
| Log in to Pryvate Email | 45-46 |
| Composing an Email | 47-48 |
| Reading an Email | 49 |

Pryvate is the most secure voice, email And chat app for business people and individuals who require a high level of communications encryption to protect their sensitive data, pictures and calls.

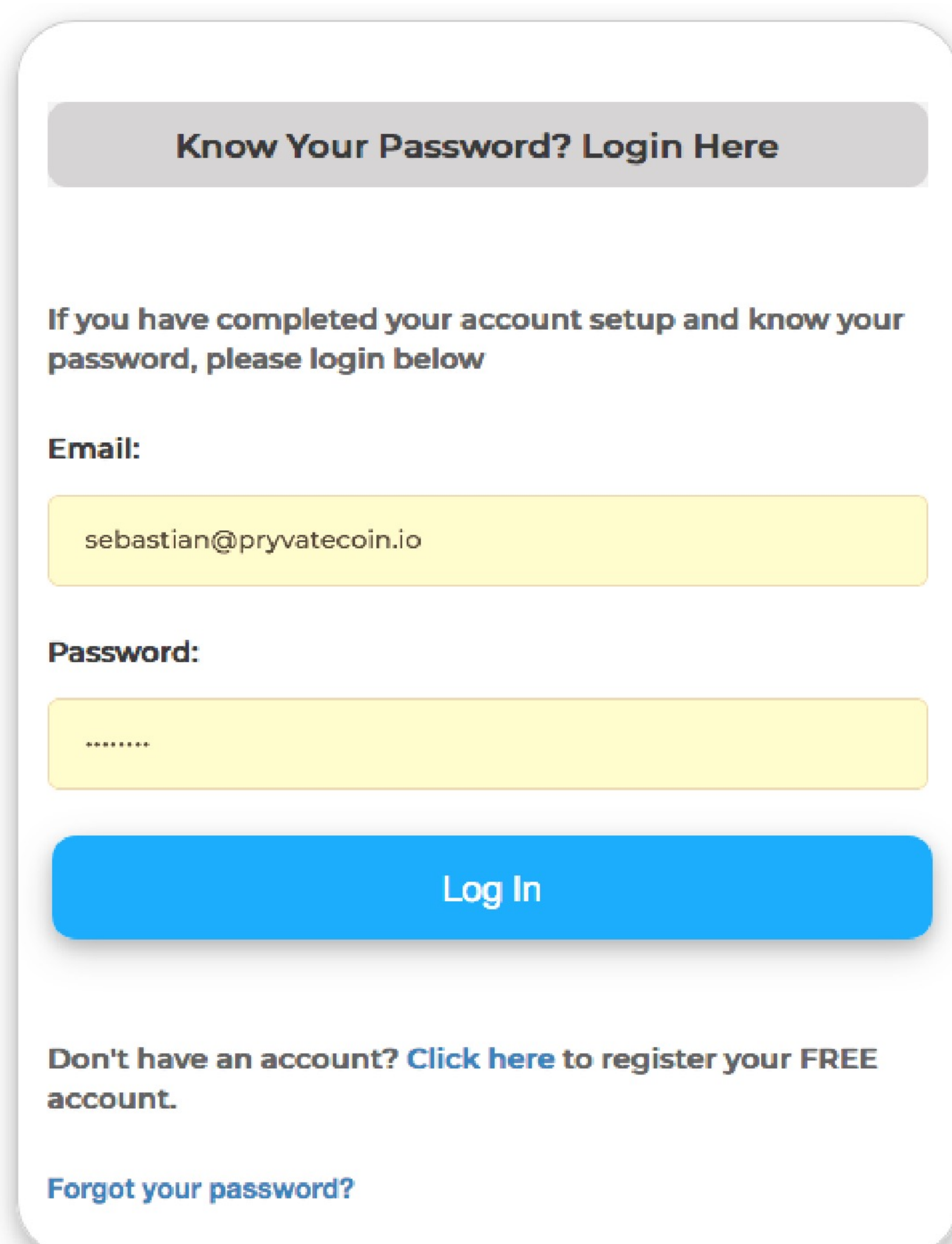
An all-in-one voice, email, video calls, messaging and picture sharing app. Feel at ease with a military grade communication encryption technology. Establishes direct trust relationships with no server or middleware.

Download the app and set up your complimentary trial account at pryvatenow.com

Registration & Password 2

When you register your Pryvate app for the first time your access password will be sent to your registered email. Every time you re-register, a new password will be generated and sent to your email. If you wish to never change your password please follow the link below and login. Then change 'Never Change Your Password' to ON.

<https://www.pryvatenow.com/secure11/index.php/home>



Know Your Password? Login Here

If you have completed your account setup and know your password, please login below

Email:

sebastian@pryvatcoin.io

Password:

.....

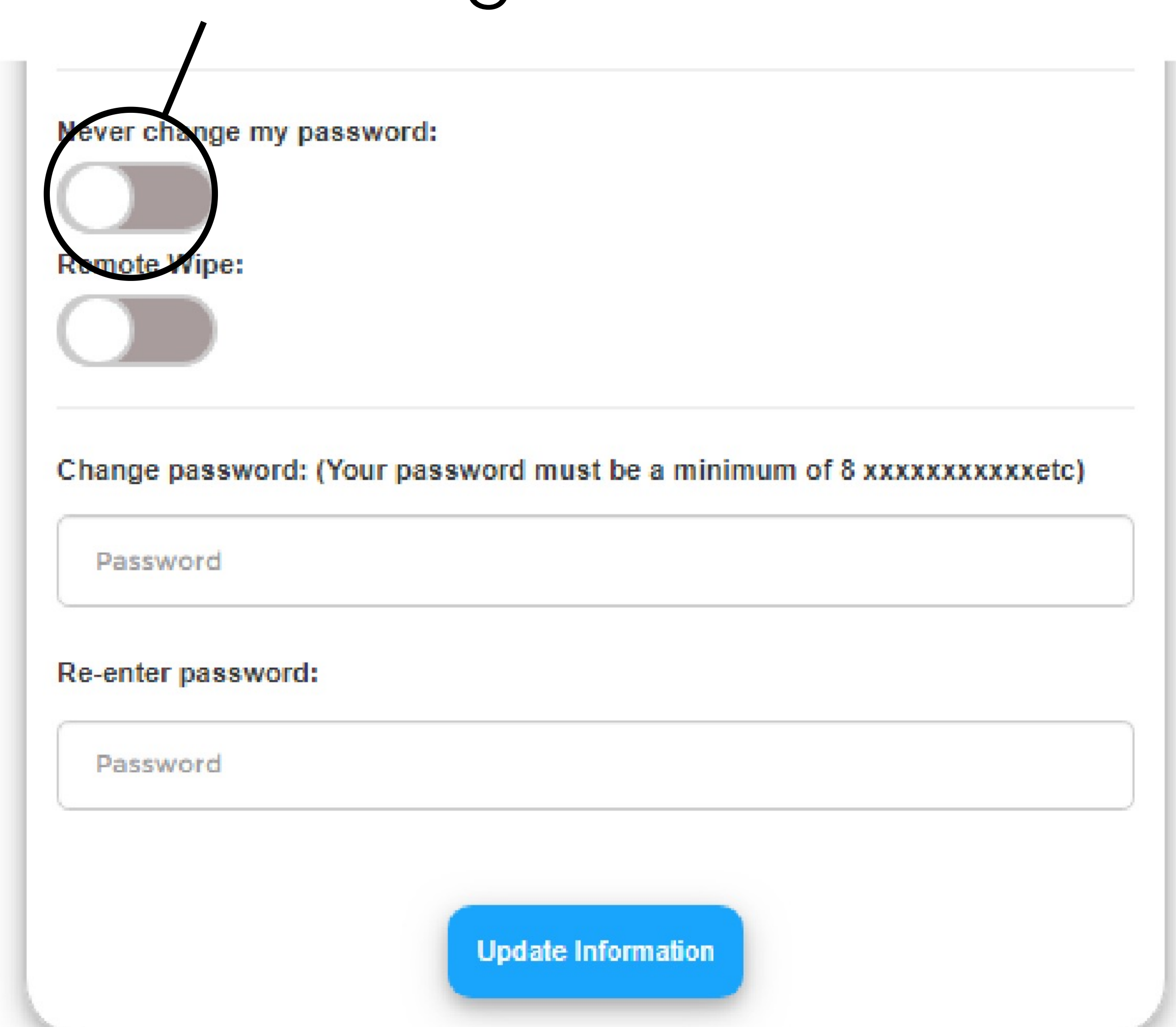
Log In

Don't have an account? [Click here](#) to register your FREE account.

[Forgot your password?](#)

We recommend to keep this option OFF just in case you forget or lose your original password sent to your email the first time

Never Change Your Password – OFF



Never change my password:

Remote Wipe:

Change password: (Your password must be a minimum of 8 xxxxxxxxxxxxetc)

Password

Re-enter password:

Password

Update Information



No SIM card Registration

No SIM card, phone number or email is required to use the app.

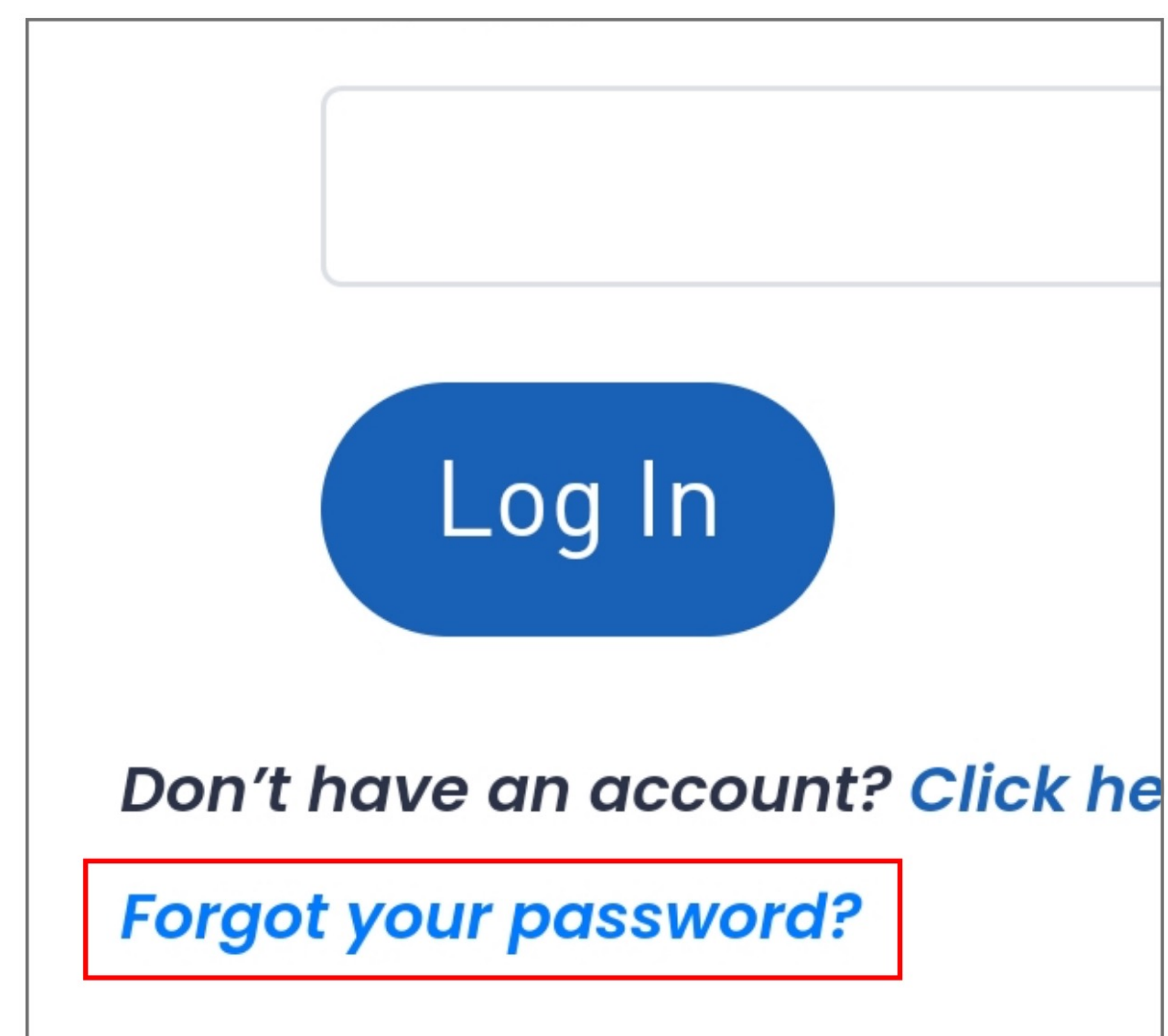
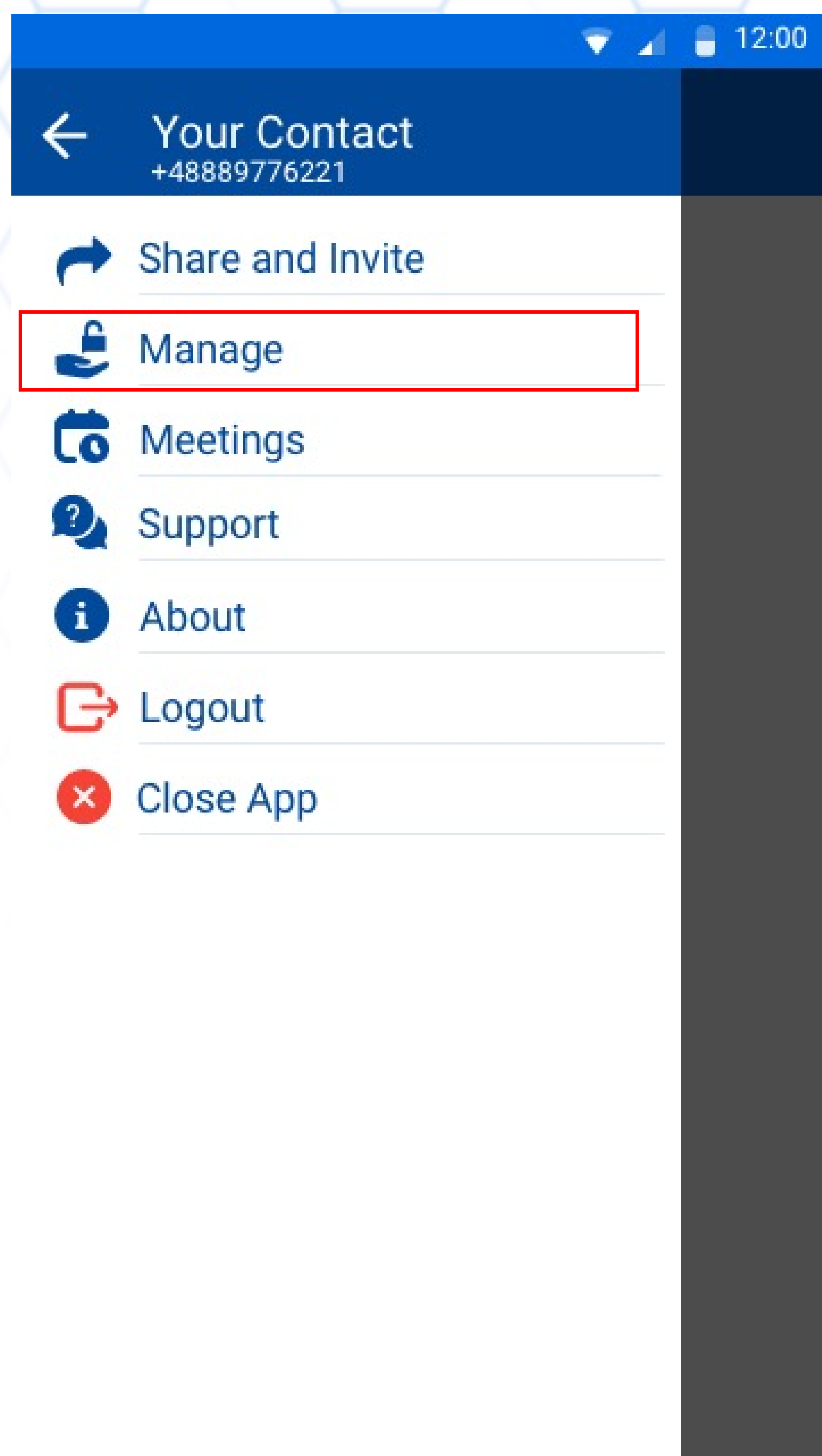
A screenshot of a mobile app's registration screen. The title bar is blue with a back arrow and the text 'Register / Log In'. Below the title bar, there is a message: 'To create an account or Log in, please enter your email and phone number.' The form has several input fields: 'your@email.com' (with a blue checkmark), 'confirm email', 'PRYVATE NUMBER' (with a blue checkmark), and '* 435838145' (with a blue checkmark). Below these fields, there is a note 'Use * for Private Number'. There are two checkboxes: 'No SIM Mobile' (checked) and 'No Email' (unchecked). Below the checkboxes is a 'Referral ID' field. At the bottom, there is a large blue button with a white right arrow. Below the button, there is a link: 'Existing Users - Having Trouble Logging In?'.

You can register your app Without phone number or email address from now on if you wish. Simply select No SIM Mobile OR No Email to continue with your registration process.


Your contact address, as a 9 digit number, will be generated for you by our secure system.

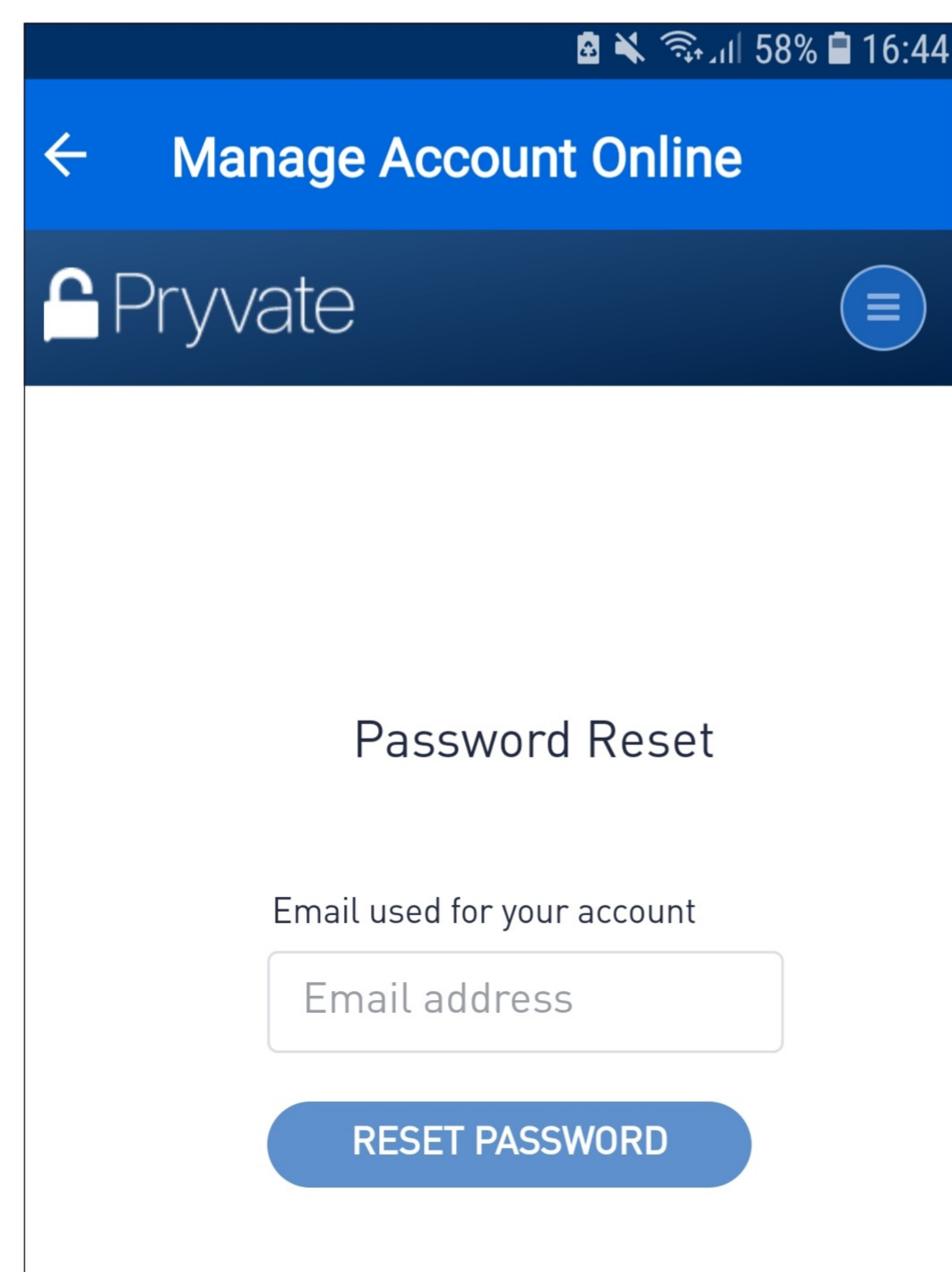
Registration & Password 2B

Password Reset

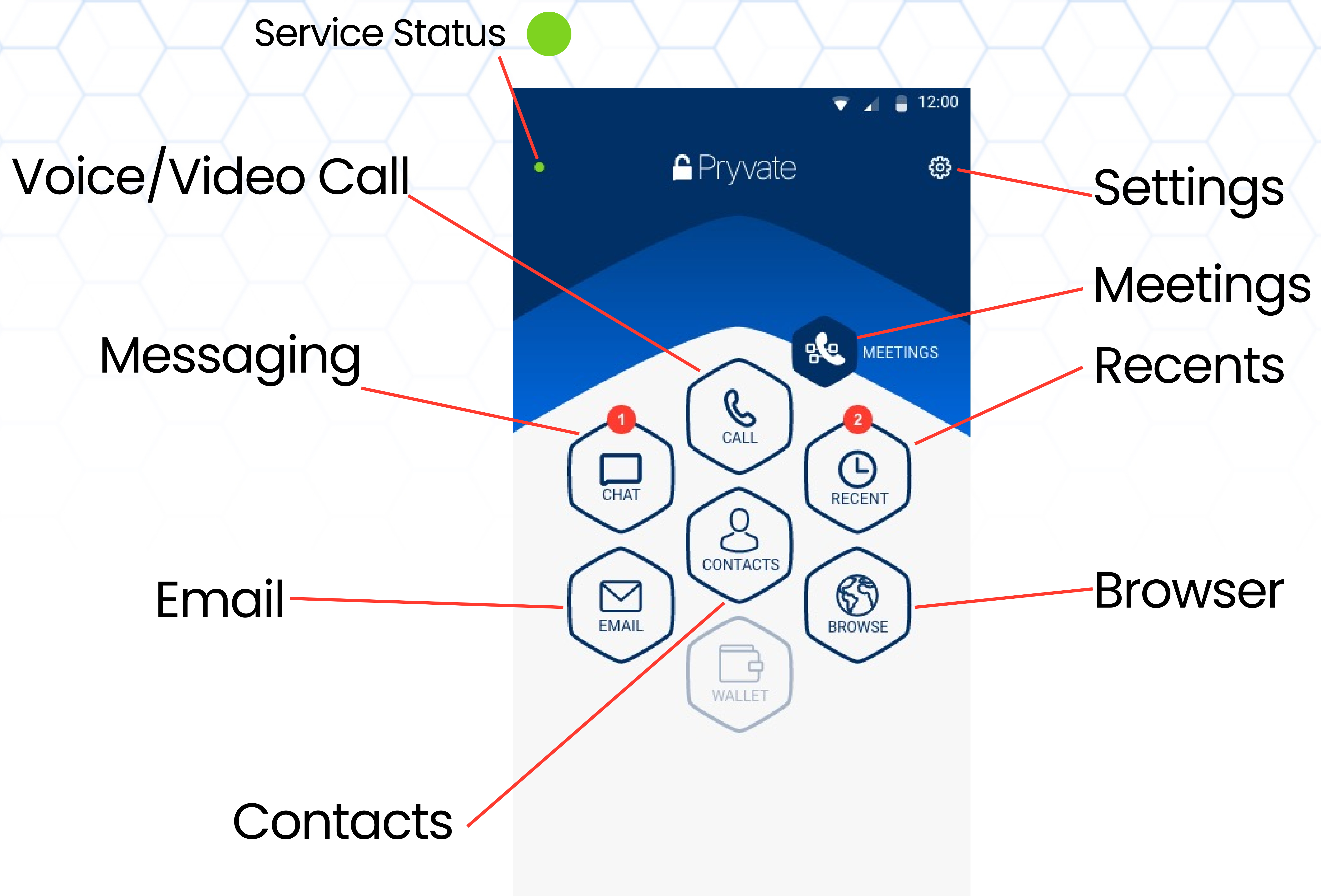


Click/Press 'Forgot your password?'
under Log In button

To reset your password you need to access the Settings menu then select the Manage Account Online option. To access the Settings menu swipe with your finger from the left edge of the screen to the right to reveal it. You can also access the settings menu by clicking the cog icon  located at the top right of the Operator screen.

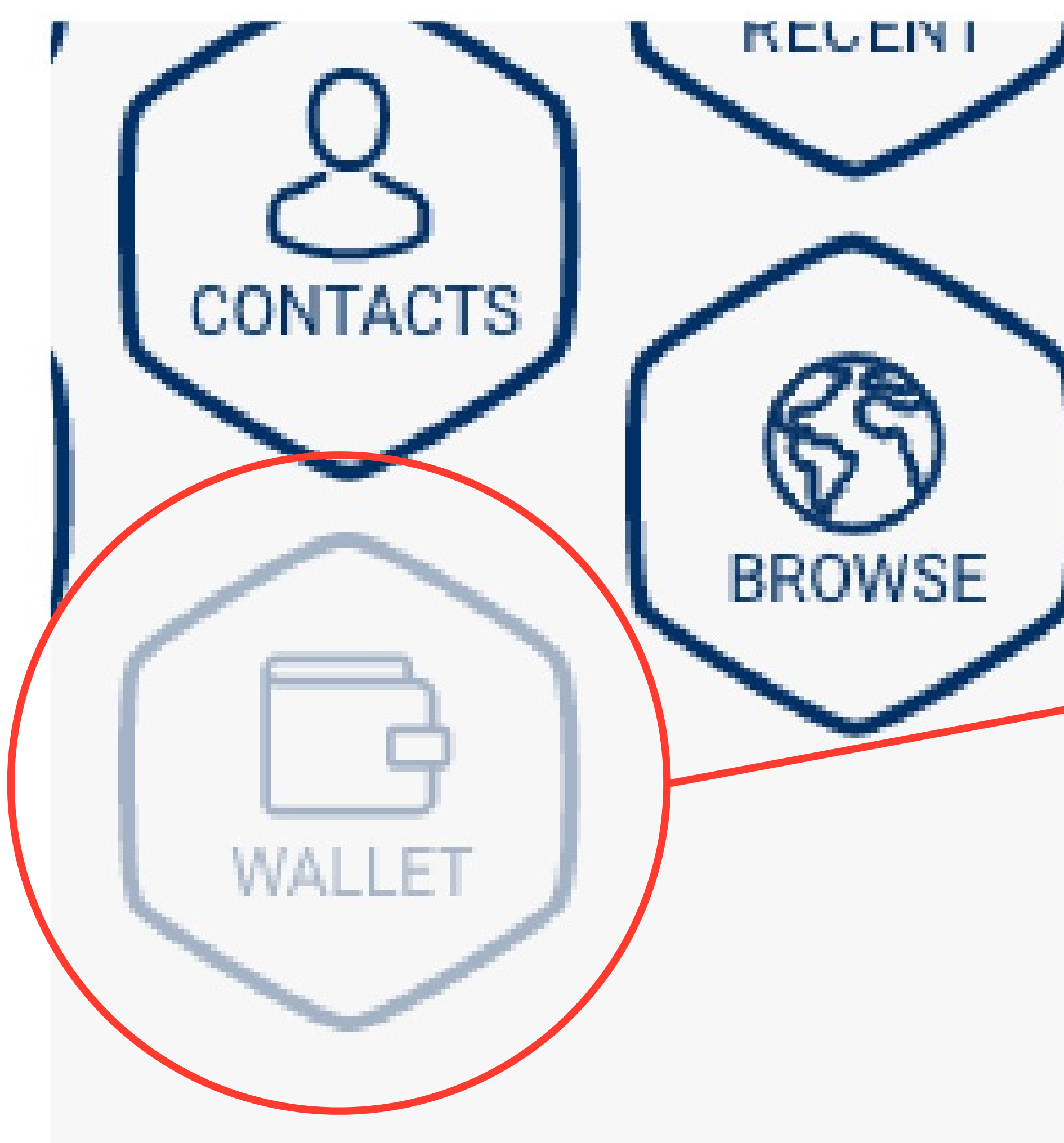


Enter your email address to receive a link to reset your password.



New Operator screen providing easy navigation throughout the app.

Cryptocurrency Wallet in Development.



WALLET

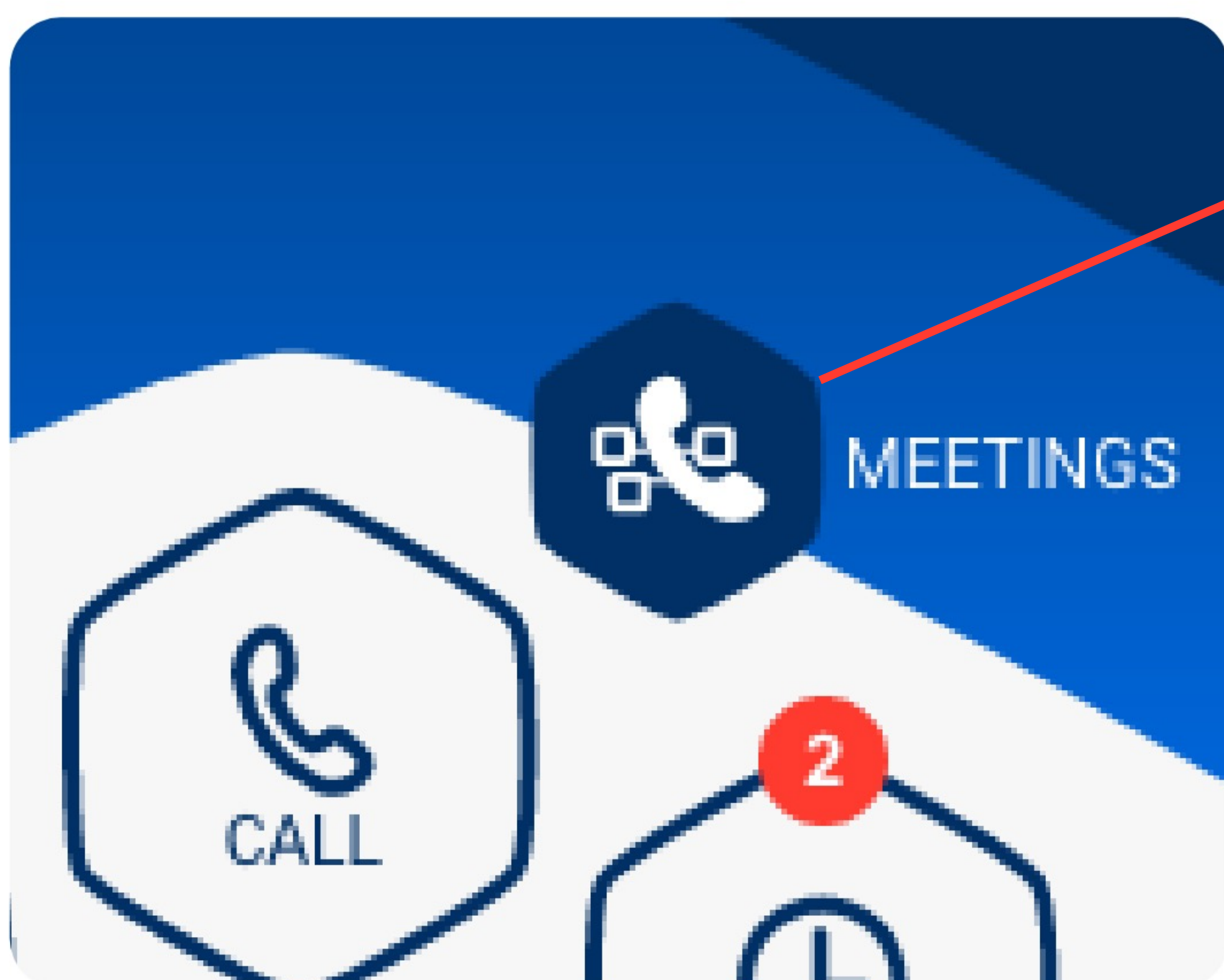
Mobile cryptocurrency wallet – access to store and manage your cryptocurrency portfolio and to allow for easy payments between Pryvate users.

Operator Screen icon



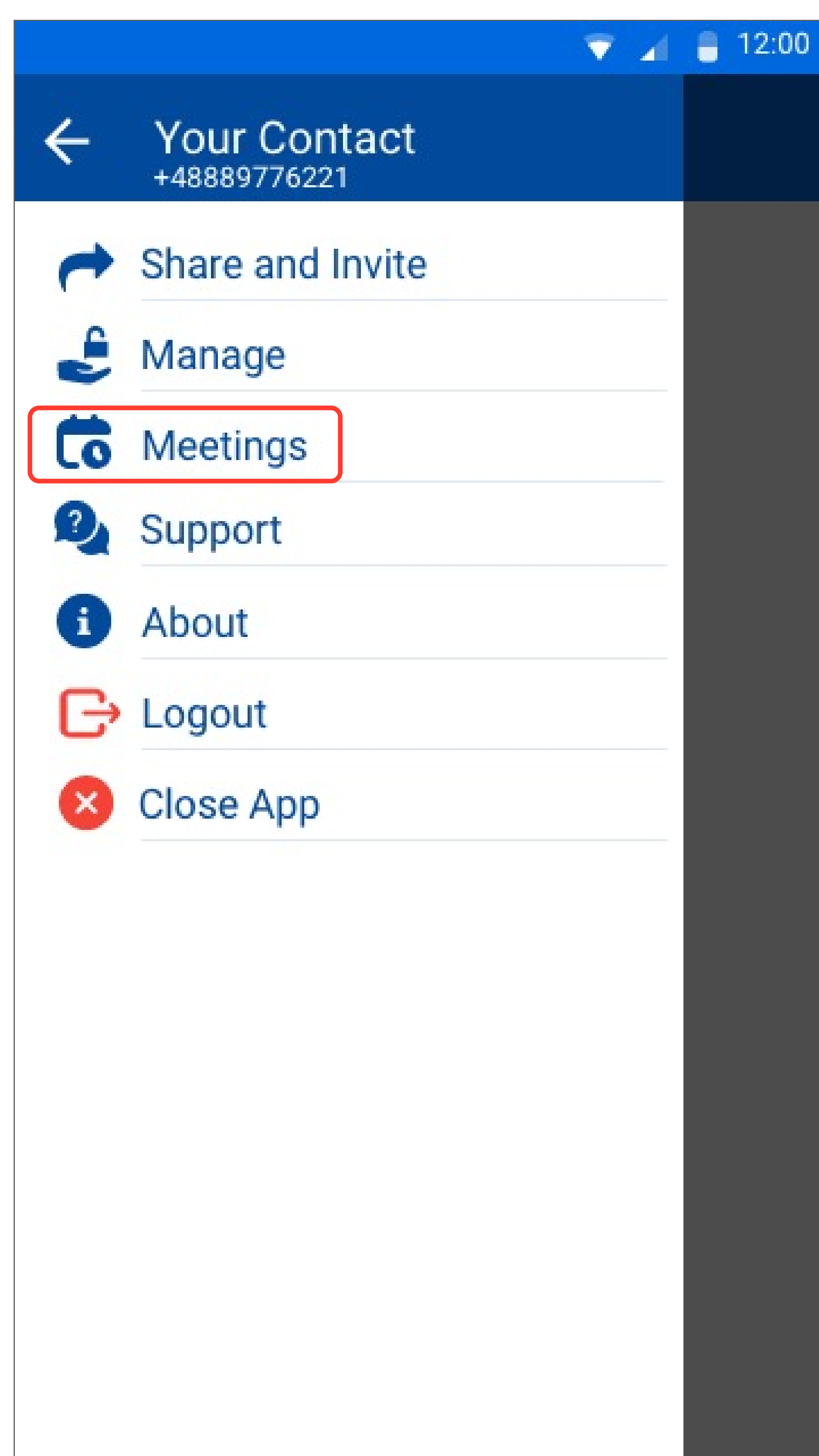
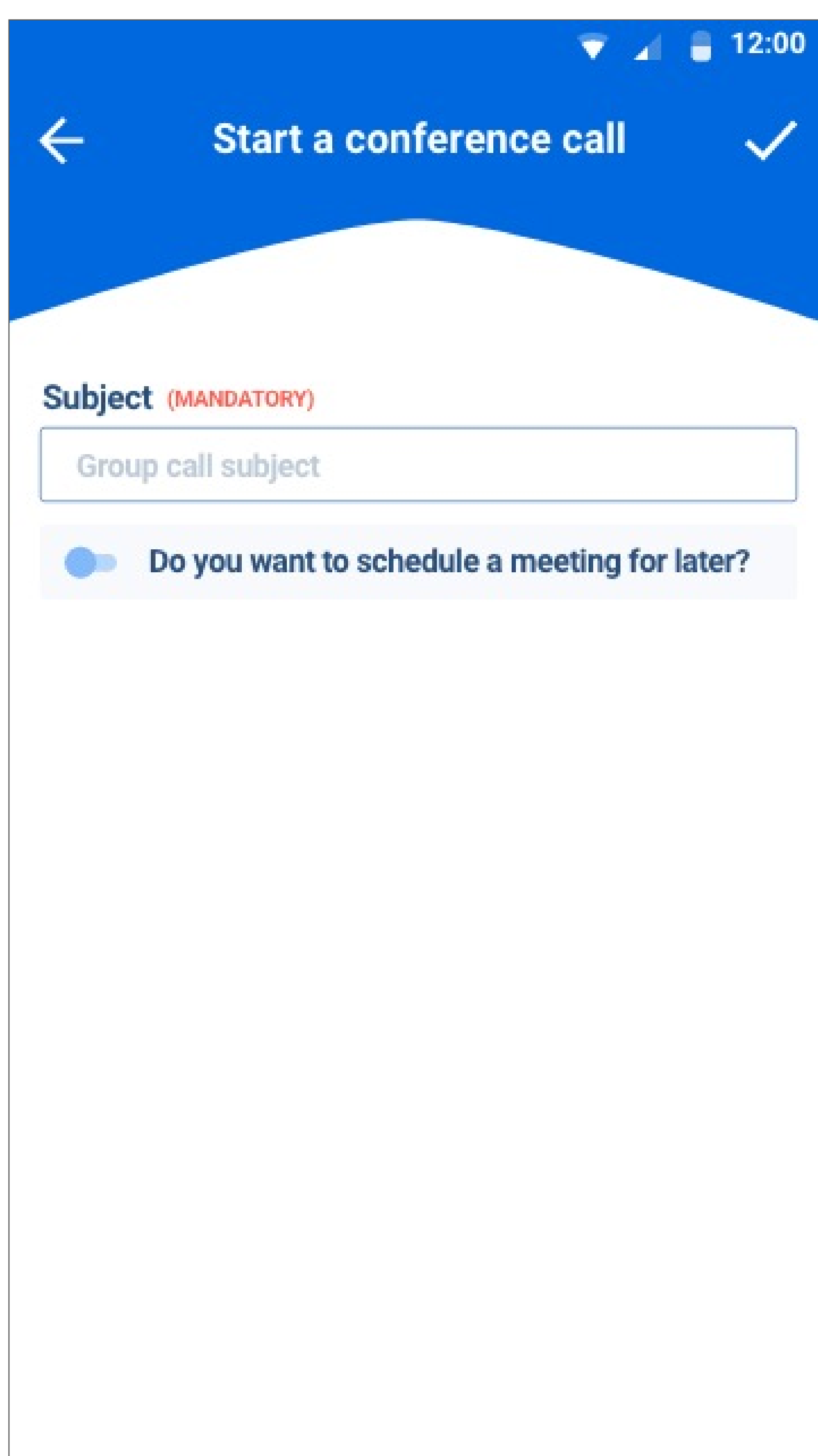
When not in Operator mode you can navigate throughout the app using the Navigation bar located at the bottom of your screen. Switch between Recents, Contacts, DialPad, Chat, Wallet screens or navigate back to Operator Screen.

Meetings/Conference Call 5



To start a conference call or to schedule a conference call for a later date, press the 'meetings' button in Operator's view.

Alternatively you can access this feature from the Settings/Meetings submenu.



Schedule a Meeting

6

If you don't wish to start a conference call right away you can schedule it for later. Set your meeting's date, time and add participants then press 'Schedule a meeting' to save it for later.

The image displays three sequential screenshots of the Pryvate Messenger app interface for scheduling a meeting.

Screenshot 1: Start a conference call

- Header: Start a conference call
- Subject (MANDATORY): Group call subject
- Toggle: ☐ Do you want to schedule a meeting for later? (This toggle is highlighted with a red box and a red line pointing to the same toggle in the next screenshot.)

Screenshot 2: Schedule a meeting

- Header: Schedule a meeting
- Subject (MANDATORY): Group call subject
- Toggle: ☒ Do you want to schedule a meeting for later?
- Date (MANDATORY): [Dropdown menu]
- Duration: 1h [Dropdown menu]
- Time (MANDATORY): [Dropdown menu]
- Timezone: GB - GMT0:00 [Dropdown menu]
- Add a description: [Text input field with placeholder 'Description']
- Checkbox: ☒ Send invite via Pryvate Messenger

Screenshot 3: Meeting Info

- Header: Meeting Info
- Subject: Tingo
- Date: 22/11/2022
- Duration: 1h
- Time: 14h00
- Timezone: GMT+0 - GMT0:00
- Description: Beta testing
- Invite will be sent out from my Pryvate Messenger account
- Participant list:
 - A Asher Boy
sip: +44123456789@sip.pryvate.com
 - B Ben Ham
sip: +44987654321@sip.pryvate.com
- Button: SCHEDULE MEETING (This button is highlighted with a red box.)

Settings Menu

Share/Invite

Manage

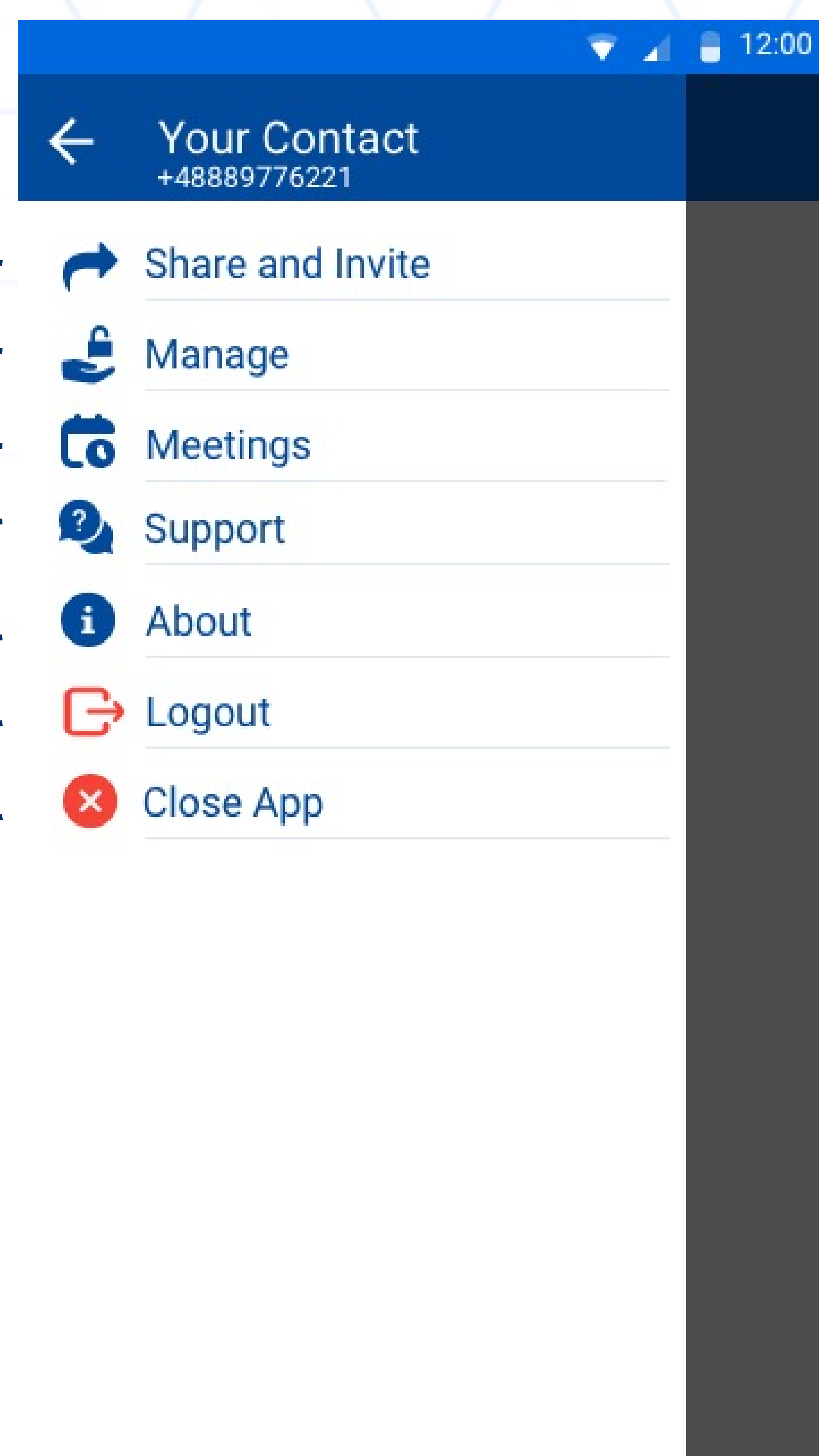
Meetings

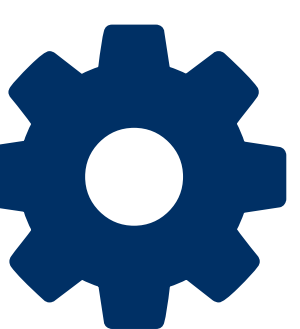
Support

About

Logout

Close App



Swipe with your finger from the left edge of the screen to the right to reveal the Settings menu. You can also access the Settings menu by clicking the cog icon  located at the top right of the Operator screen.

Settings Menu and its Submenus

Share/Invite

Personal and group invites and referrals

Manage / Manage Account Online

Edit profile, Chat Destruct Timer, Change Phone Number, Change Password and Privacy (2FA, Encryption), Access Your Pryvate Account Online

Meetings

Meeting scheduling feature

Support

FAQs, User Manual, Technical Support

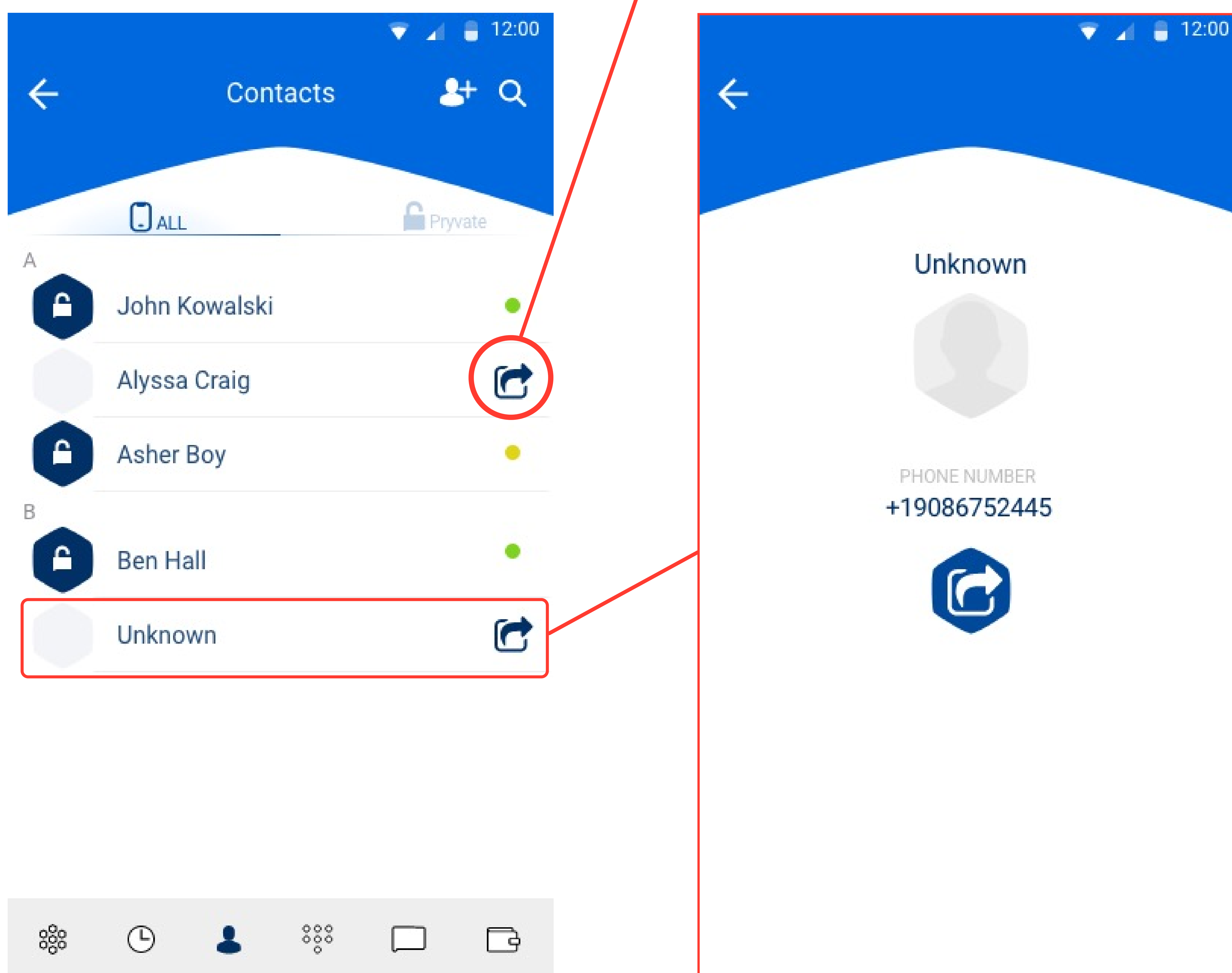
About

Send Feedback, Policies, Terms Of Service and App version info

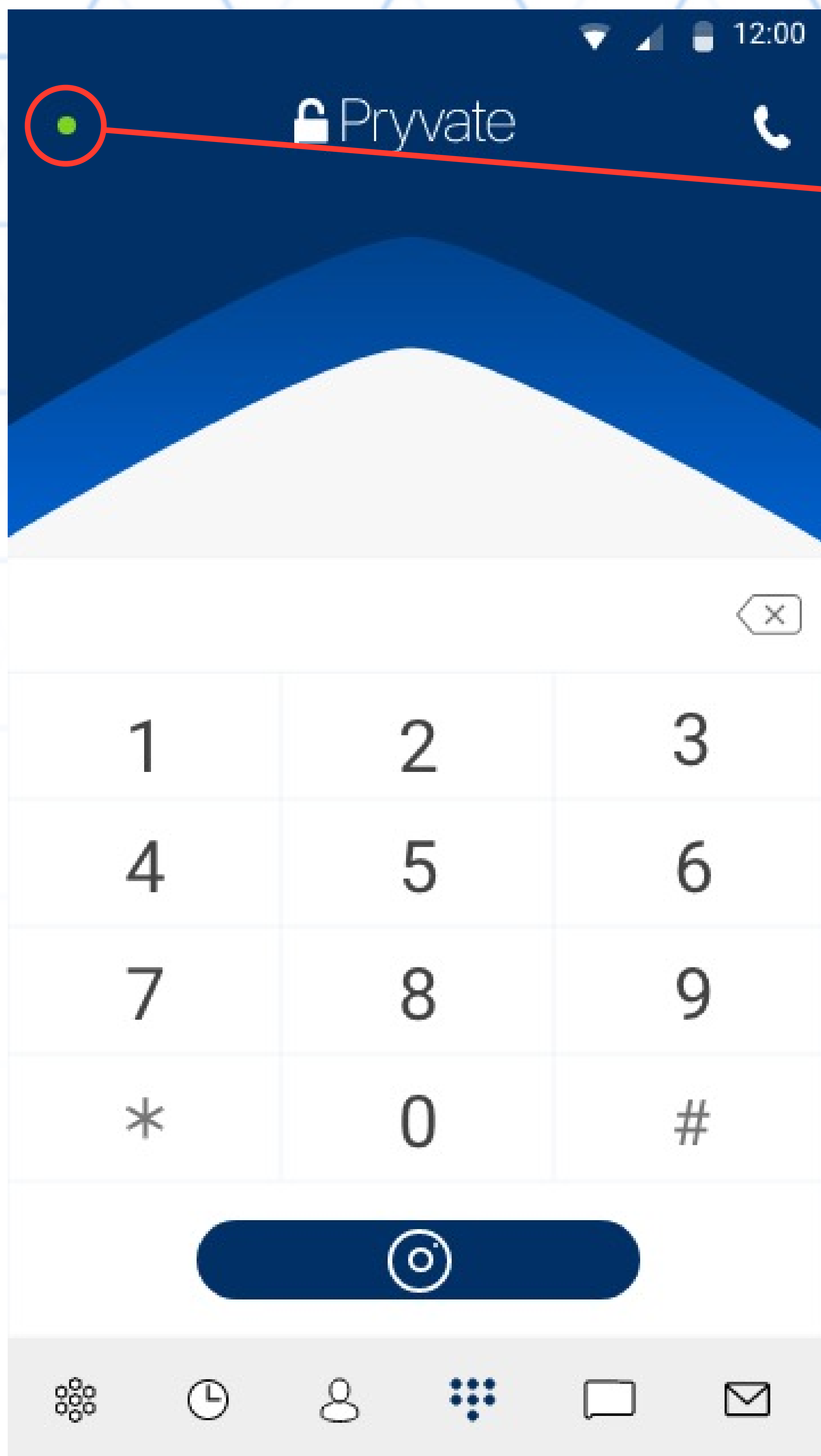
Logout / Pre Delete App

Sign Out operation will clear the registration data on the server and log you out.

If the caller isn't in your contact list you can easily share and invite them to join the Pryvate Messenger app by pressing the Share&Invite icon, which is visible next to the caller's name or phone number.



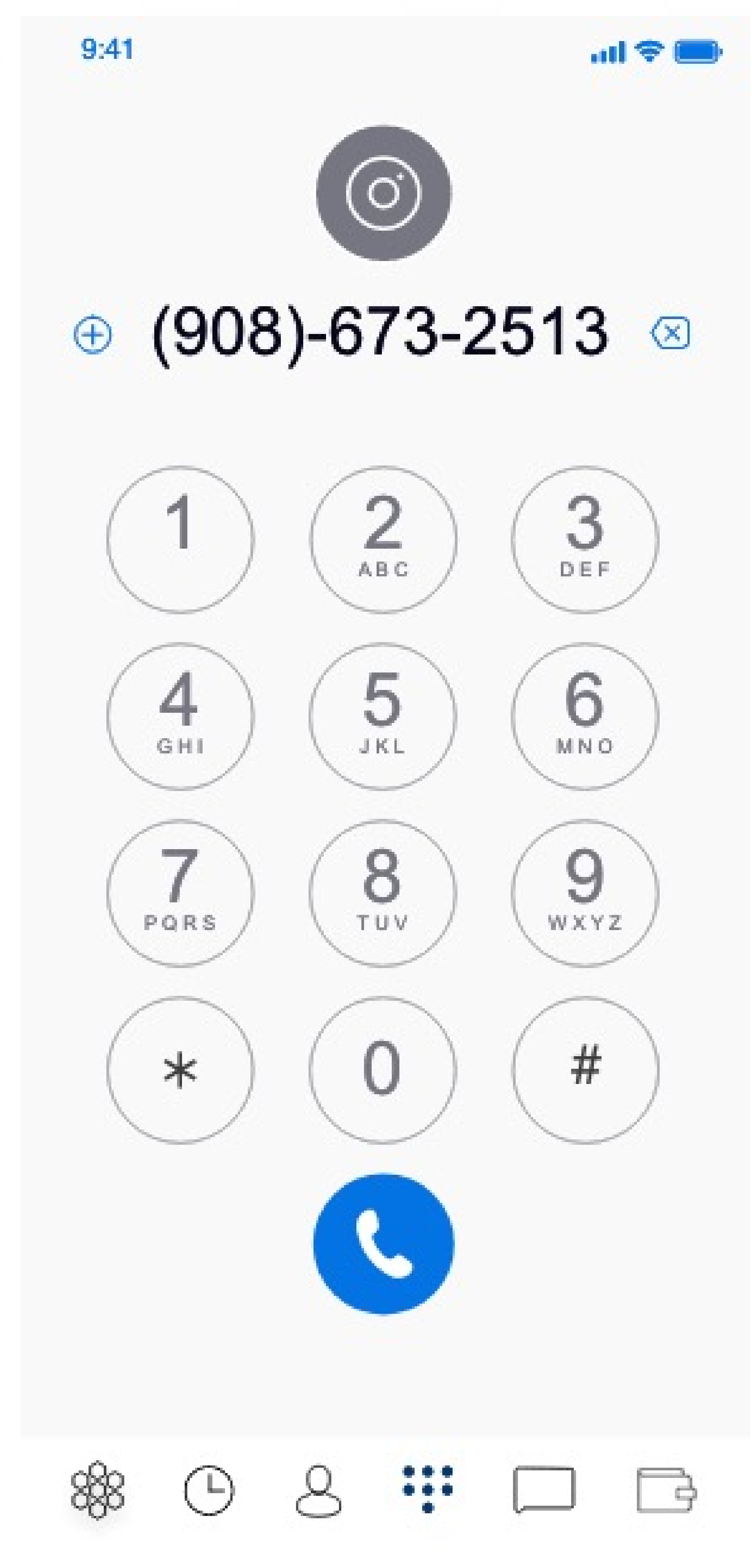
Android Dialer Screen



Service Status

- Registered
- Registration in process

iOS Dialer Screen



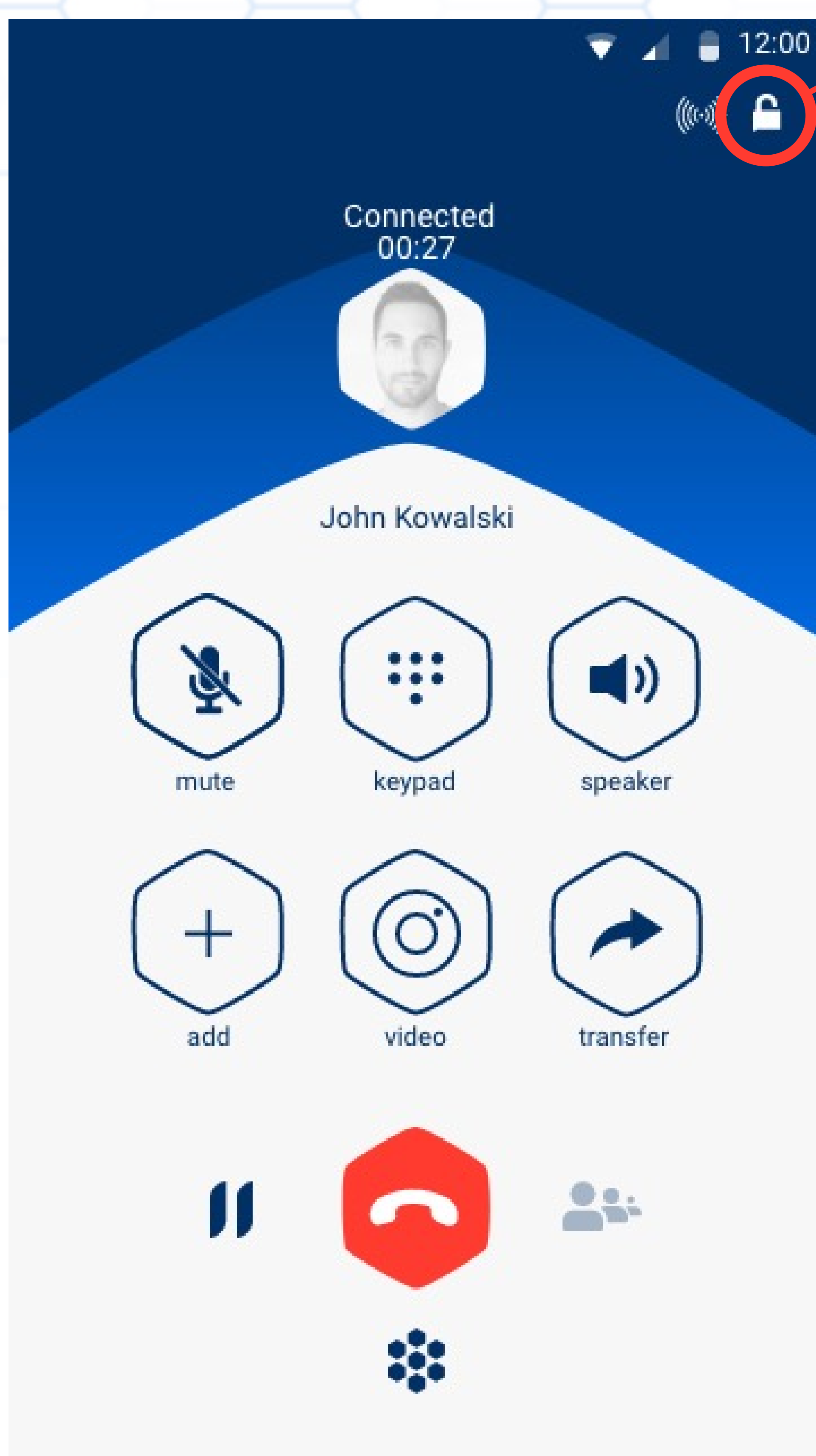
Once your service is active you will see a green "Registered" symbol at the top of your device and also you can open your app. Once you will be able to open the app you will see the main dialer screen. If you know the Pryvate subscriber's number, then simply dial it and click the telephone button to make the call. Simply dial as an international entry.

You need to enter their number , including the country code (+ symbol). You can enter the country code by holding down the 0 (zero) button. For example, in the UK, the country code is +44 and in the US, it is +1.

All US subscribers must put the “+1” country code before dialing a domestic US number, even when dialing in the US. For example, the number 555-555-5555 should be dialled as +1555 555 5555.

Establishing a Trust Relationship 11

 Insecure  Secure

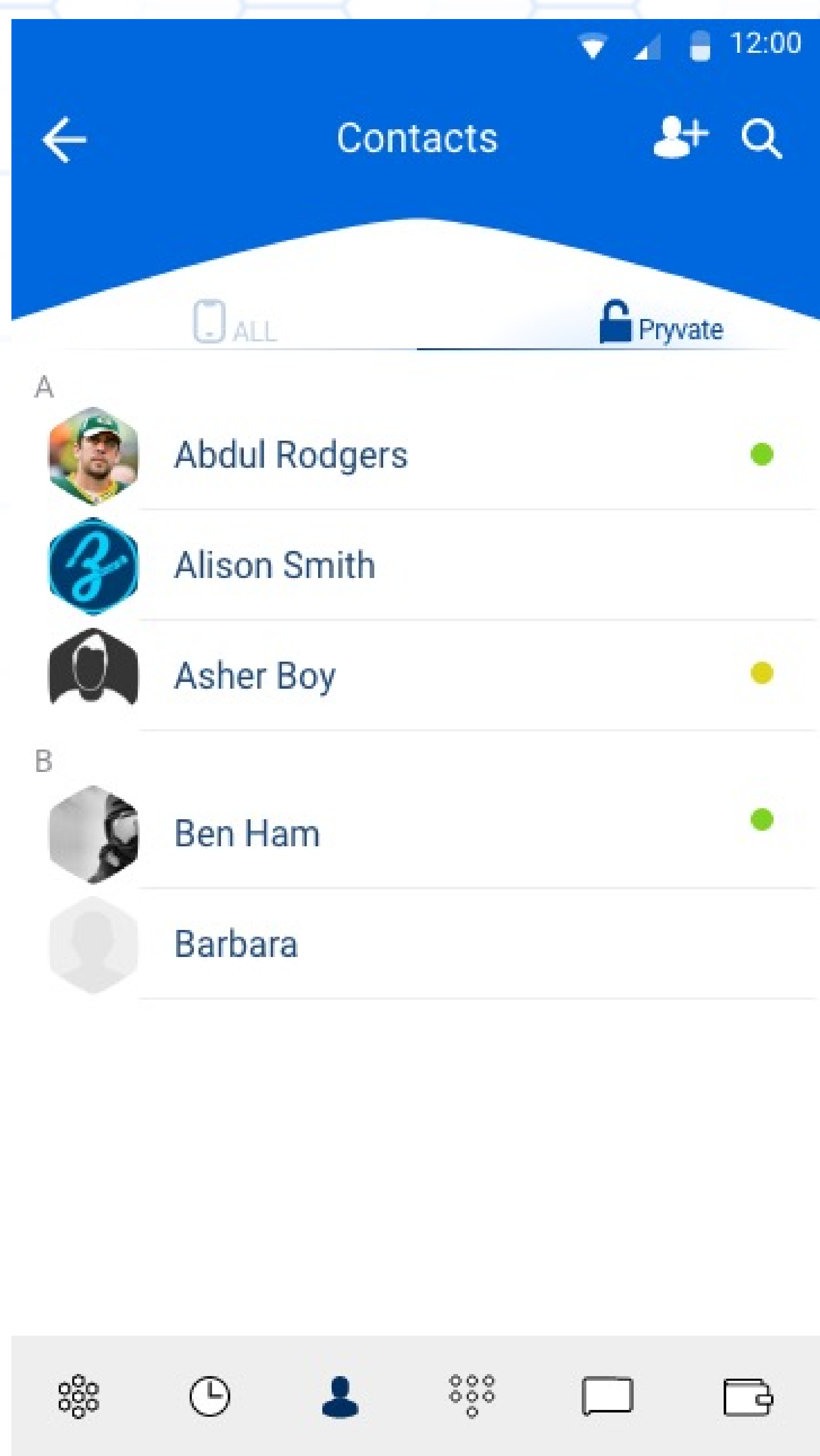


The padlock in the upper right corner will lock. You only do this the first time you call another Pryvate user, but if you wish to see the SAS passphrase and want to re-establish your trust relationship, hit the lock symbol in the top right.

Removing a Trust Relationship

To remove a trust relationship hit the lock symbol in the upper right and “deny” the peer relationship

How to make a Call Via Contacts 12

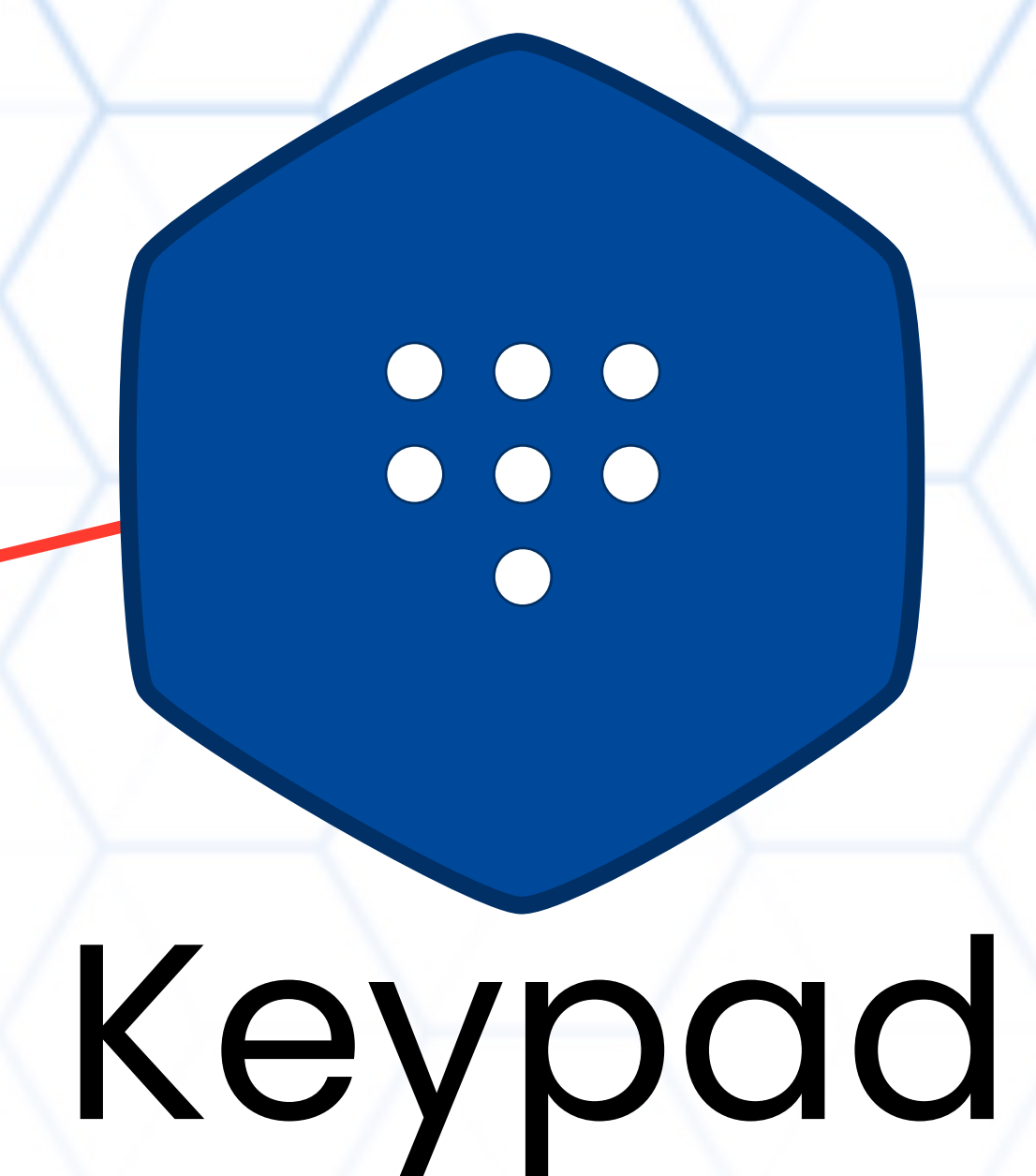
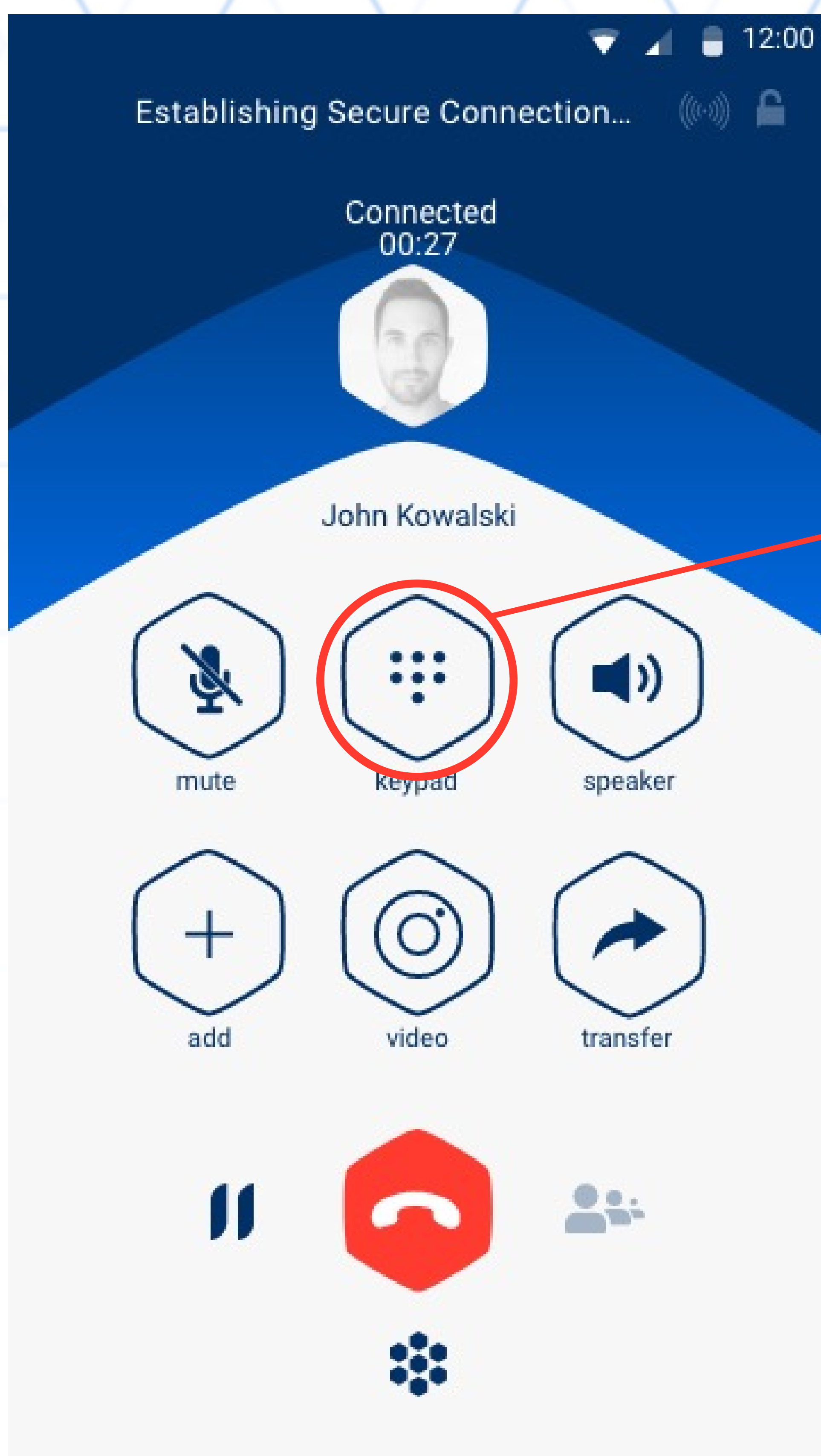


If it is to a former trusted Pryvate number and it is in your contacts then select the contact and press the call button 📞
Note when you are subscriber, your number is secured through the app.

Your normal number is your secure number. You just need to let users know you are Pryvate and make sure they use your number in an international format.

Your Pryvate contacts must have international pre-fixes so that you can dial them automatically.

How to Bring up the Keypad During a Call 13



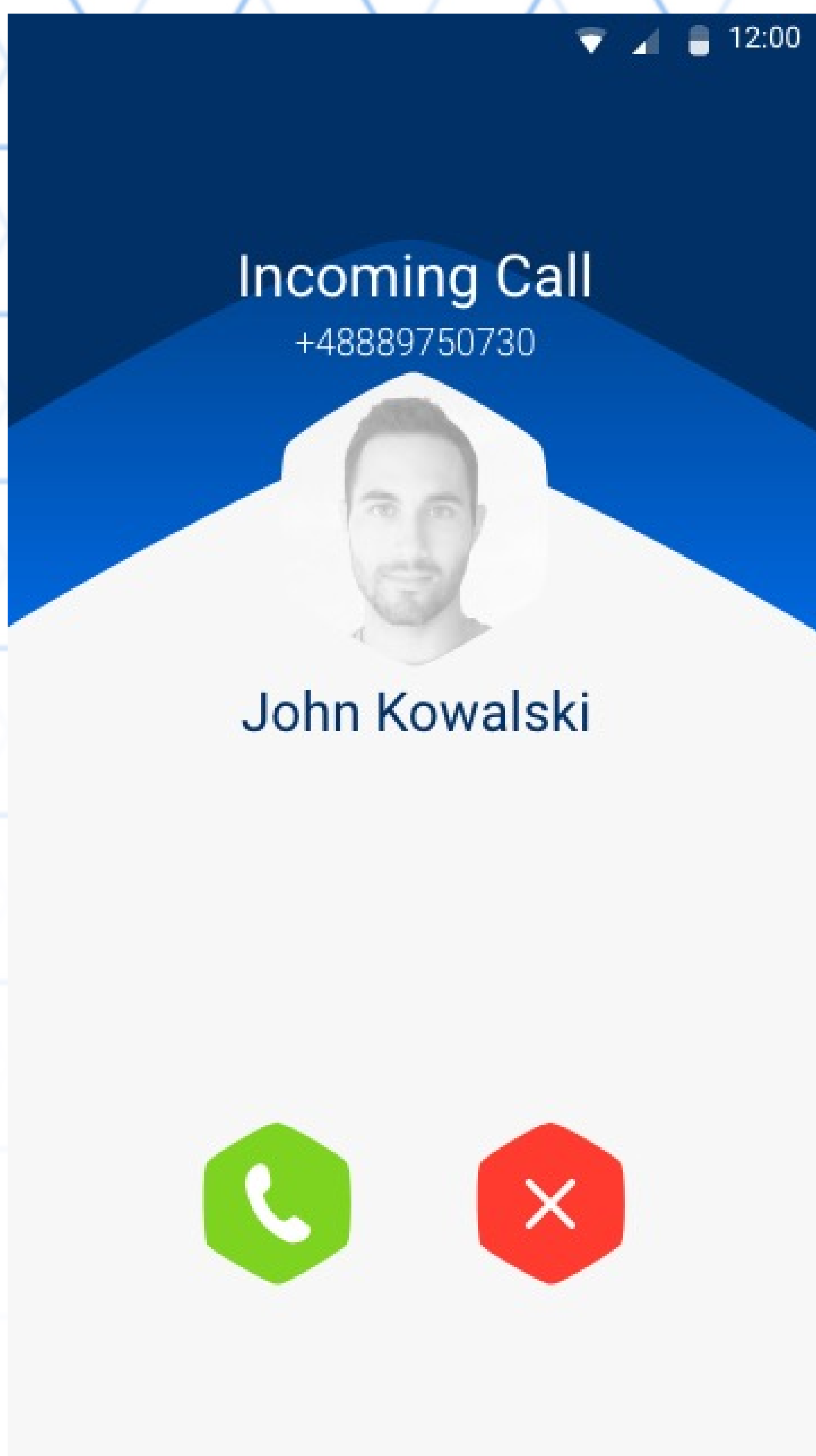
Tap the keypad button on the top row or follow your device's instructions.

How to Mute the Audio During a Call

Simply press the microphone icon on the top row to mute or unmute.



How to Receive a Call 14




When receiving a call simply hit the green answer button.

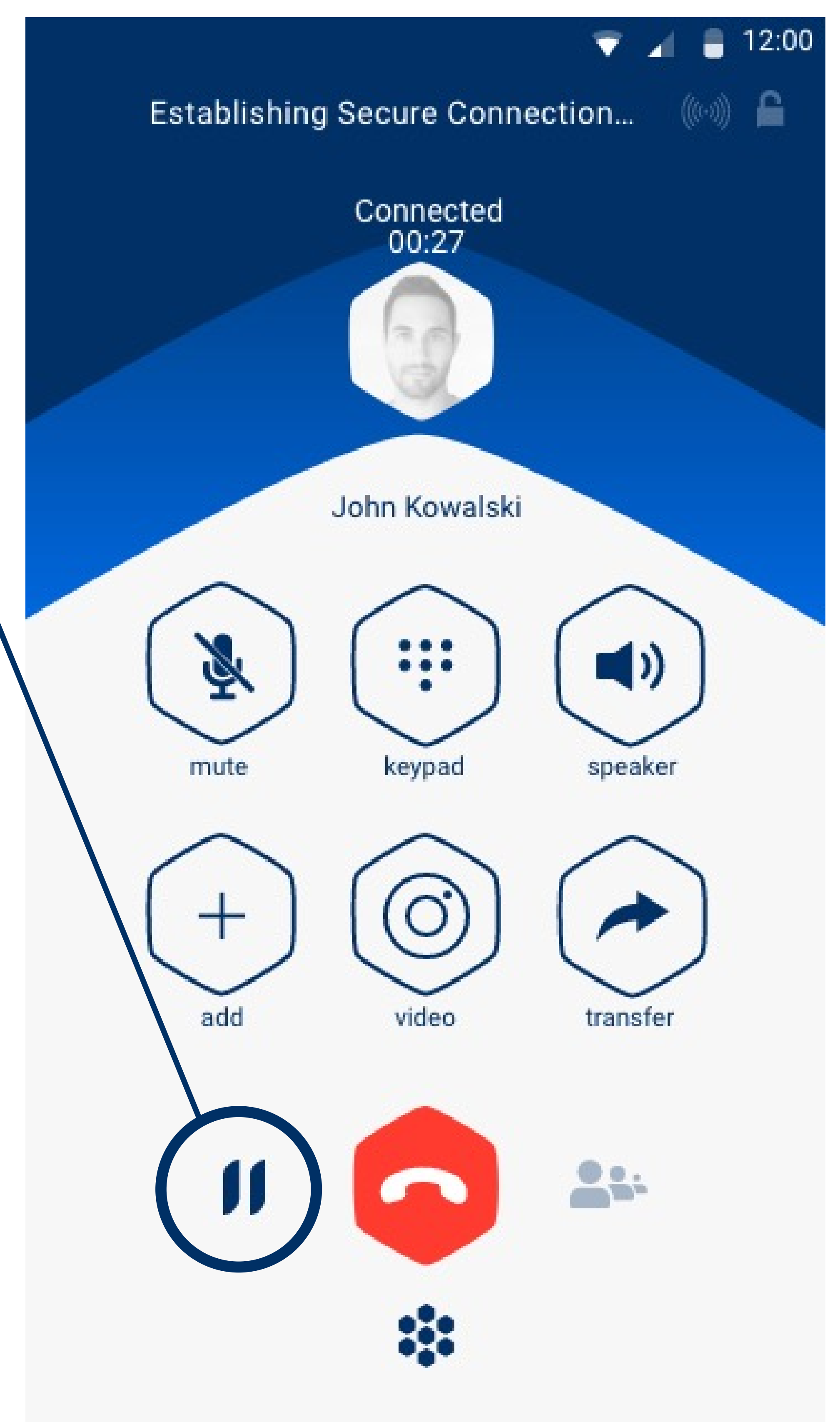


To decline, click the red "x" button.



How to Put a Voice Call on Hold

Press the PAUSE icon on the bottom left. The person on the other end will hear music or silence depending on the handset you are using. You will see a PLAY icon. To take the caller off hold press the play icon 



As soon as you can make a secure voice call to another Pryvate user, you will also be able to make a video call to the same user.

If you know the Pryvate subscriber's number, simply dial it and click the telephone button to make the call.

Dial as an international entry. You need to enter their number, including the country code (+ symbol). You can enter the + symbol by holding down the 0 (zero) button.

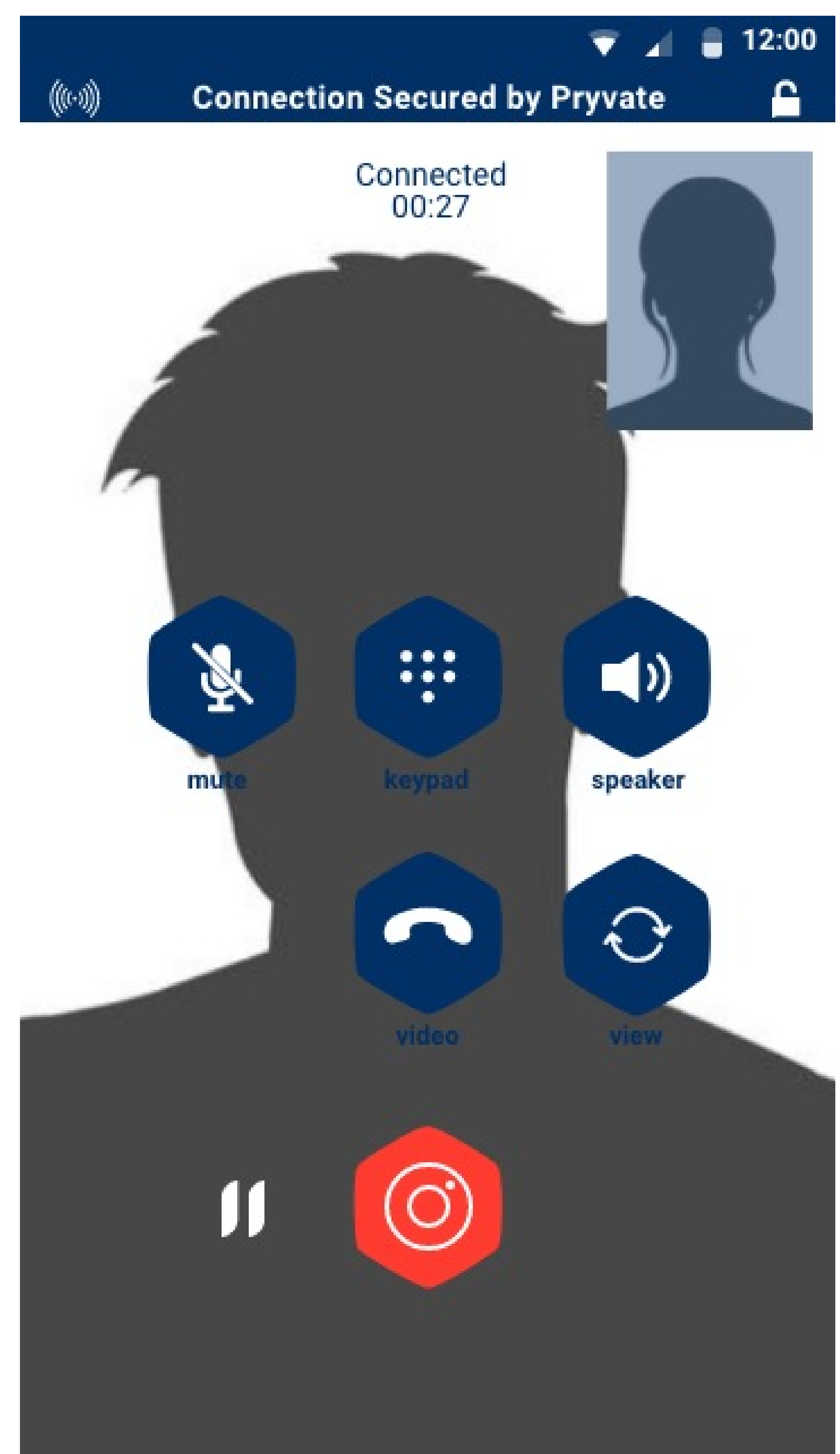
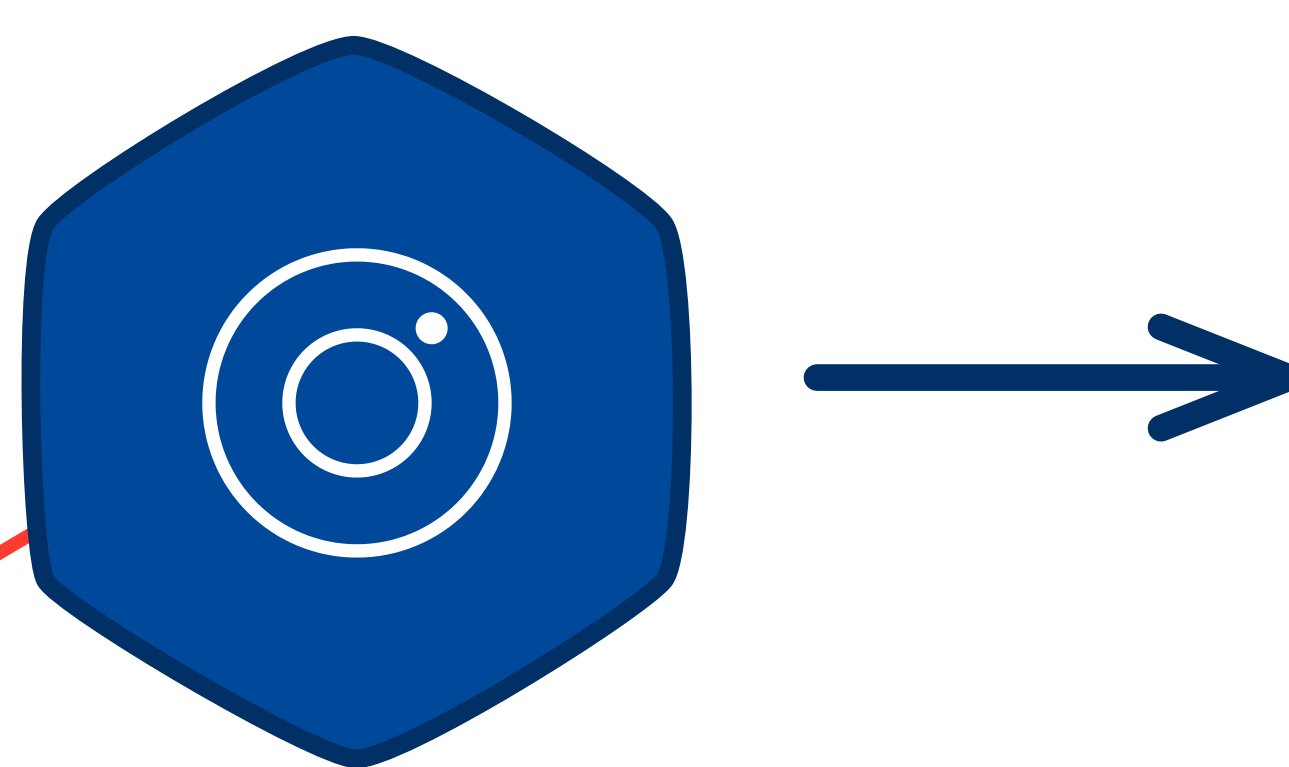
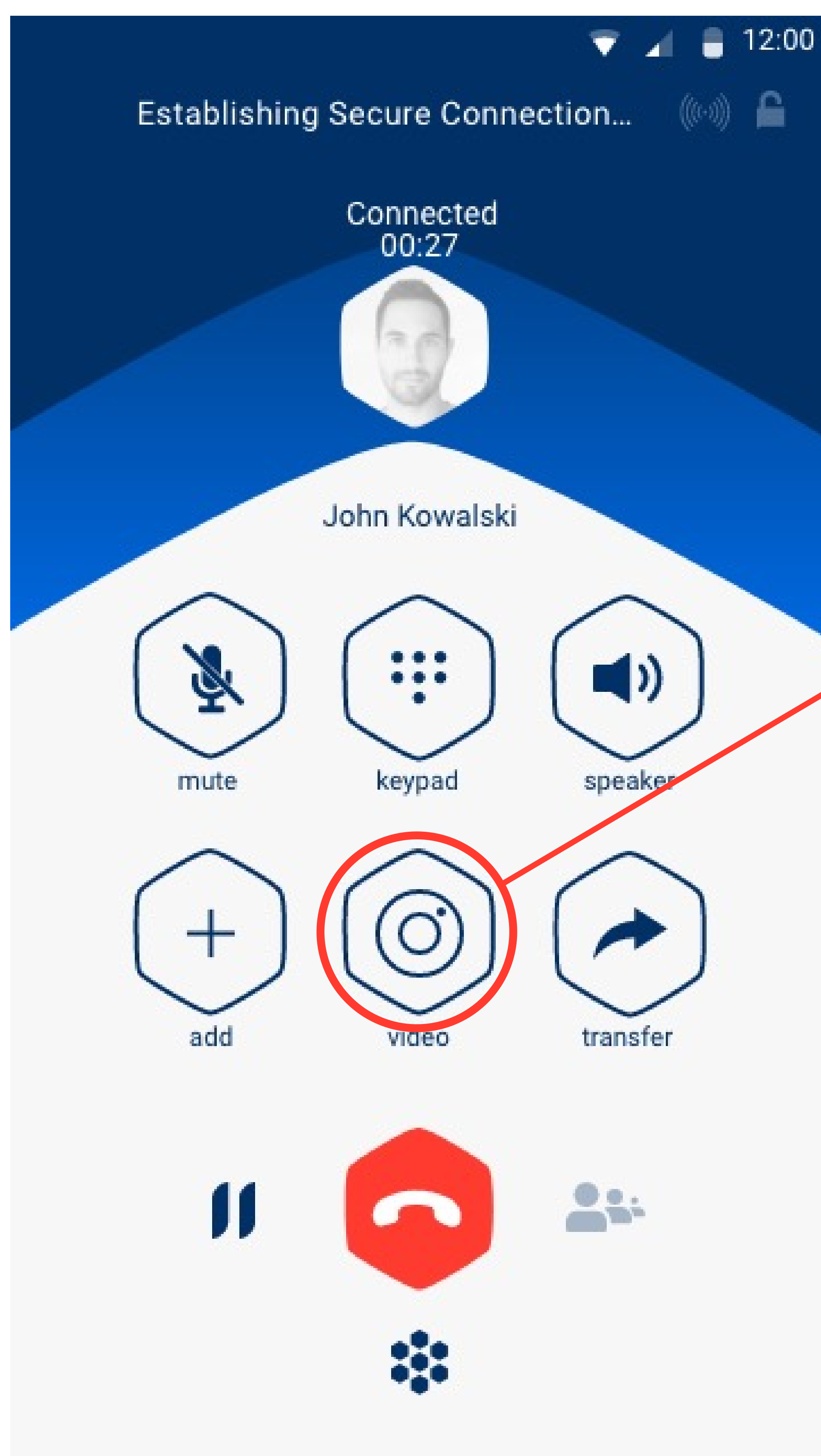
For example, in the UK, the country code is +44 and in the US, it is +1.

This procedure is the same as making a normal secure voice call.

How to Initiate a Video Call 16

Once a voice call is initiated you can then switch to video by pressing the video - button 


As per a voice call, you can mute a video call. Note: the codecs are designed to be of the best quality. If you are experiencing low quality video the most likely cause is low bandwidth on your internet connection.

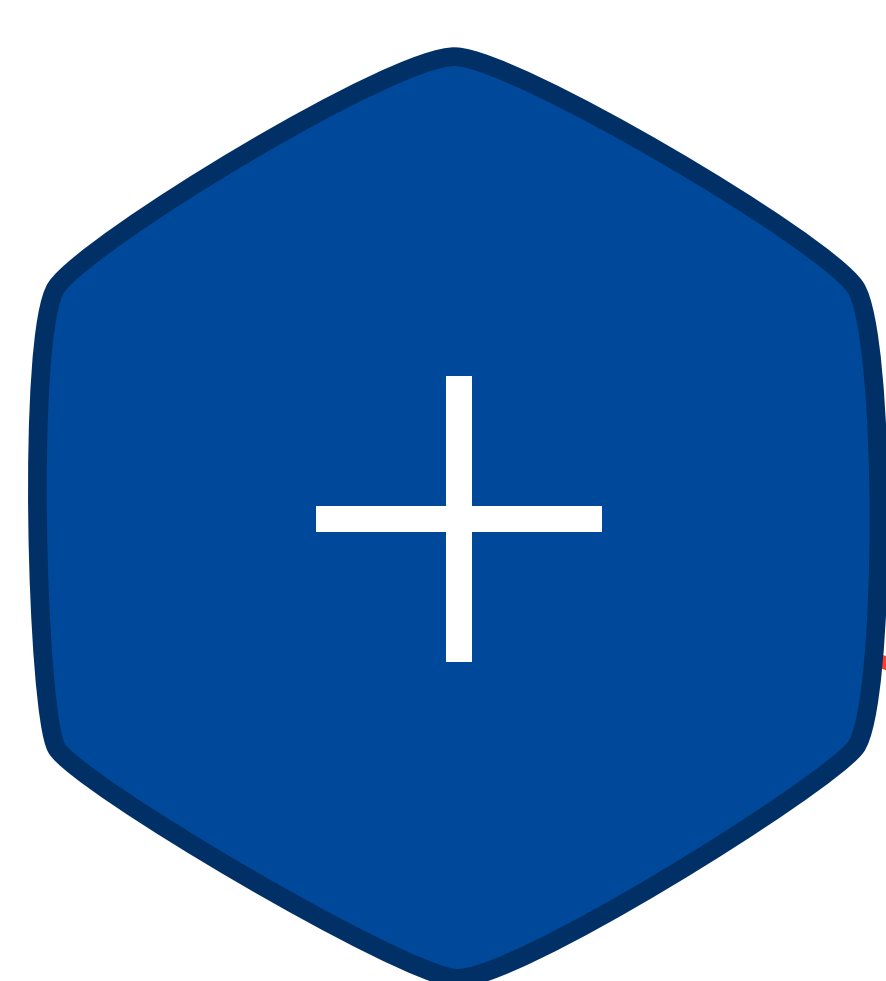


Secure Conference Calling 17

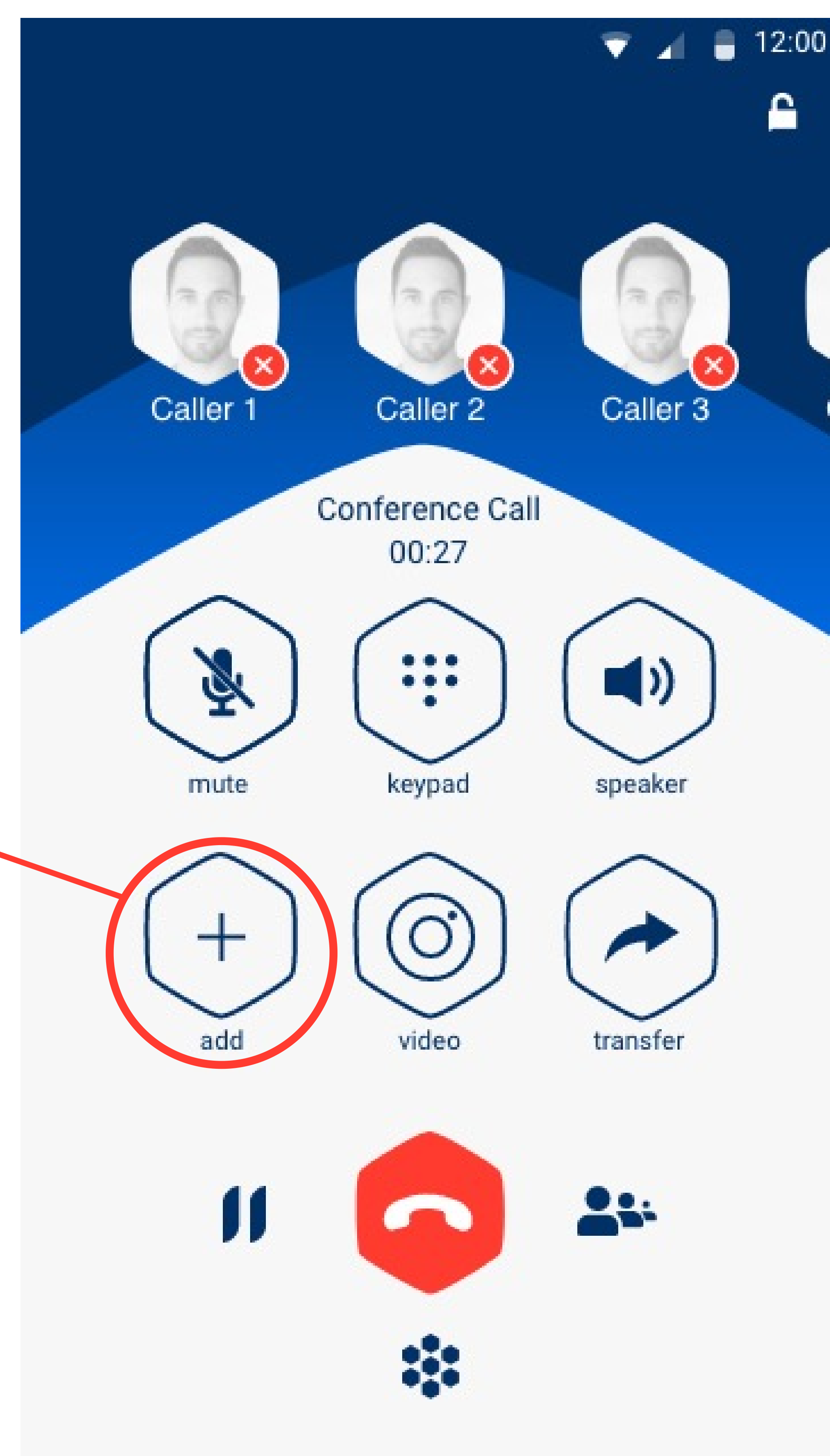
As soon as you can make a secure voice call to another Pryvate user, you will also be able to make a conference call by adding other Pryvate users to the current call. If you know the Pryvate subscriber's number to be dialed then simply dial it and click the telephone button to make the call. Simply dial as an international entry. This procedure is the same as making a normal secure voice call.

How to Initiate a Secure Conference Call 18

Click the “+” add button to add a new caller. To remove a caller from the conference click the  over the participant’s avatar. The number of callers on your conference call is limited to your device’s computing power. Virtually, all handsets can handle 3 callers.

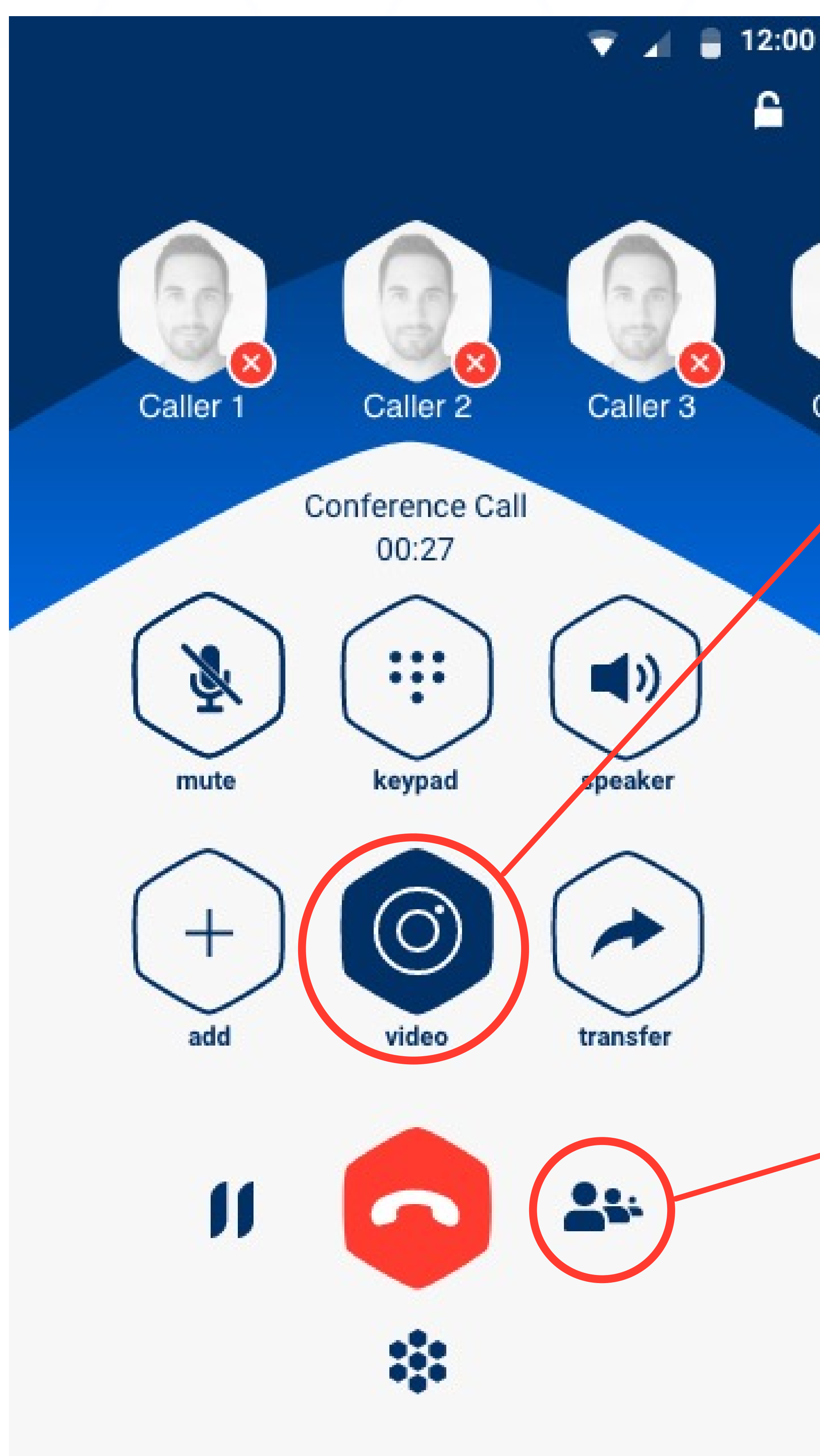


Add



Video Conference Calling 19 A

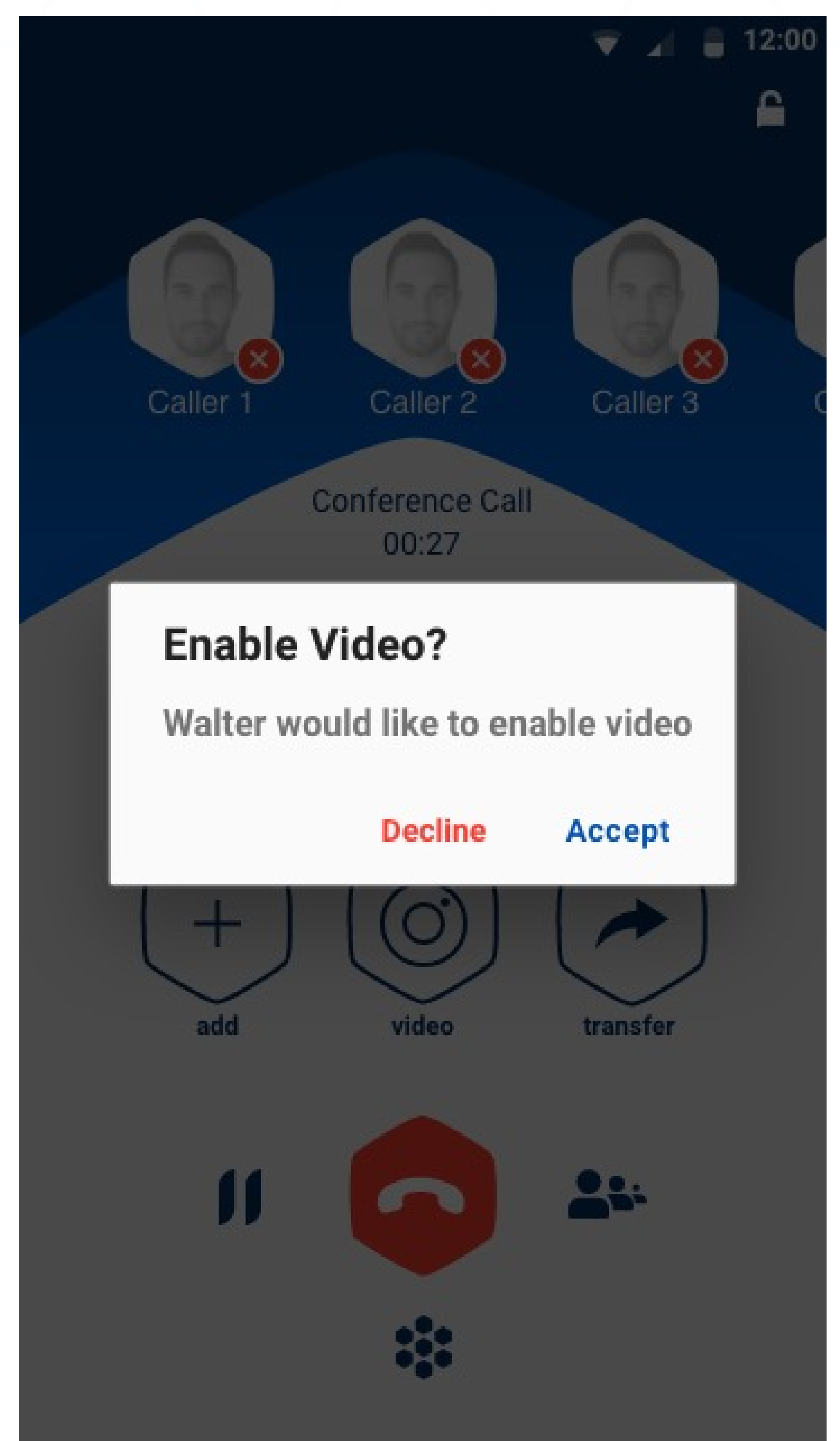
When in conference call mode you can press the video icon to enable video conference call.



Enable Video
Conference
Calling

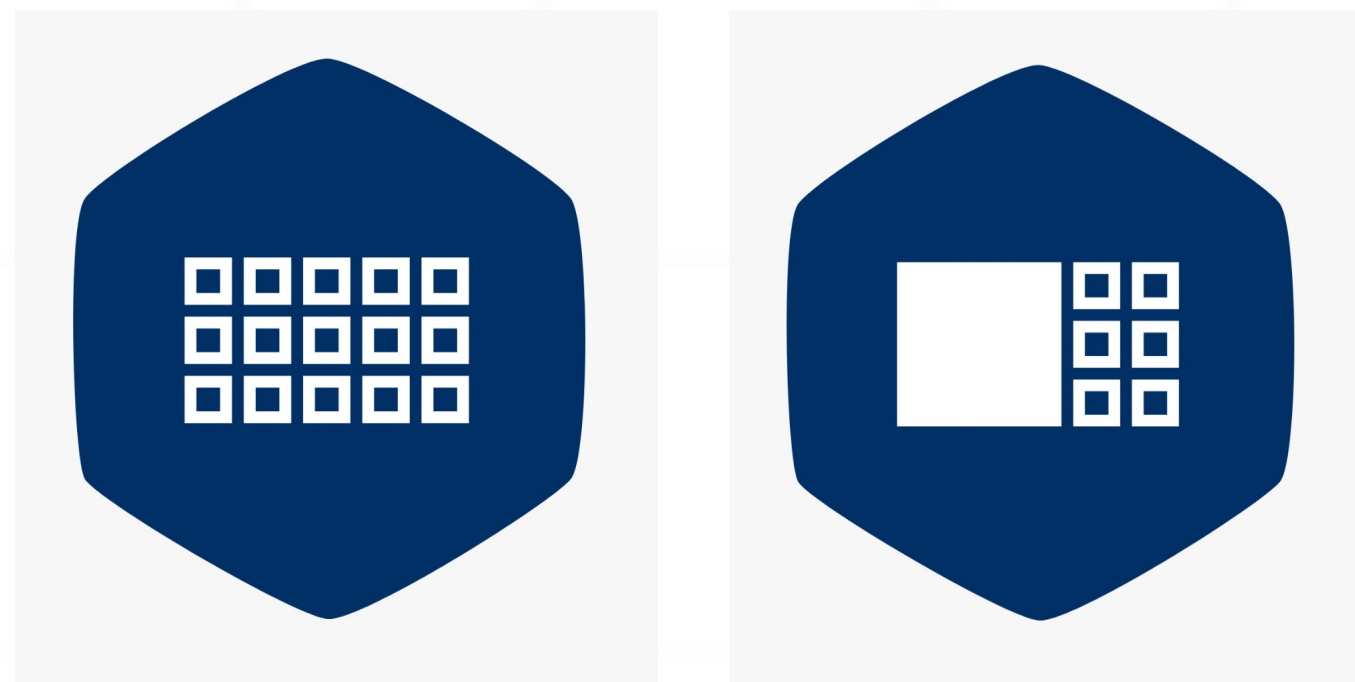
Conference
Call Mode
Indicator

Conference Call
Audio Only View



Video Conference Calling 19 B

When in a video conference call you can switch between active caller view and grid view by pressing the view style button.



Active Caller View



Grid/Mosaic View

To turn the video off for audio only mode, press the blue phone icon at the bottom of the screen.

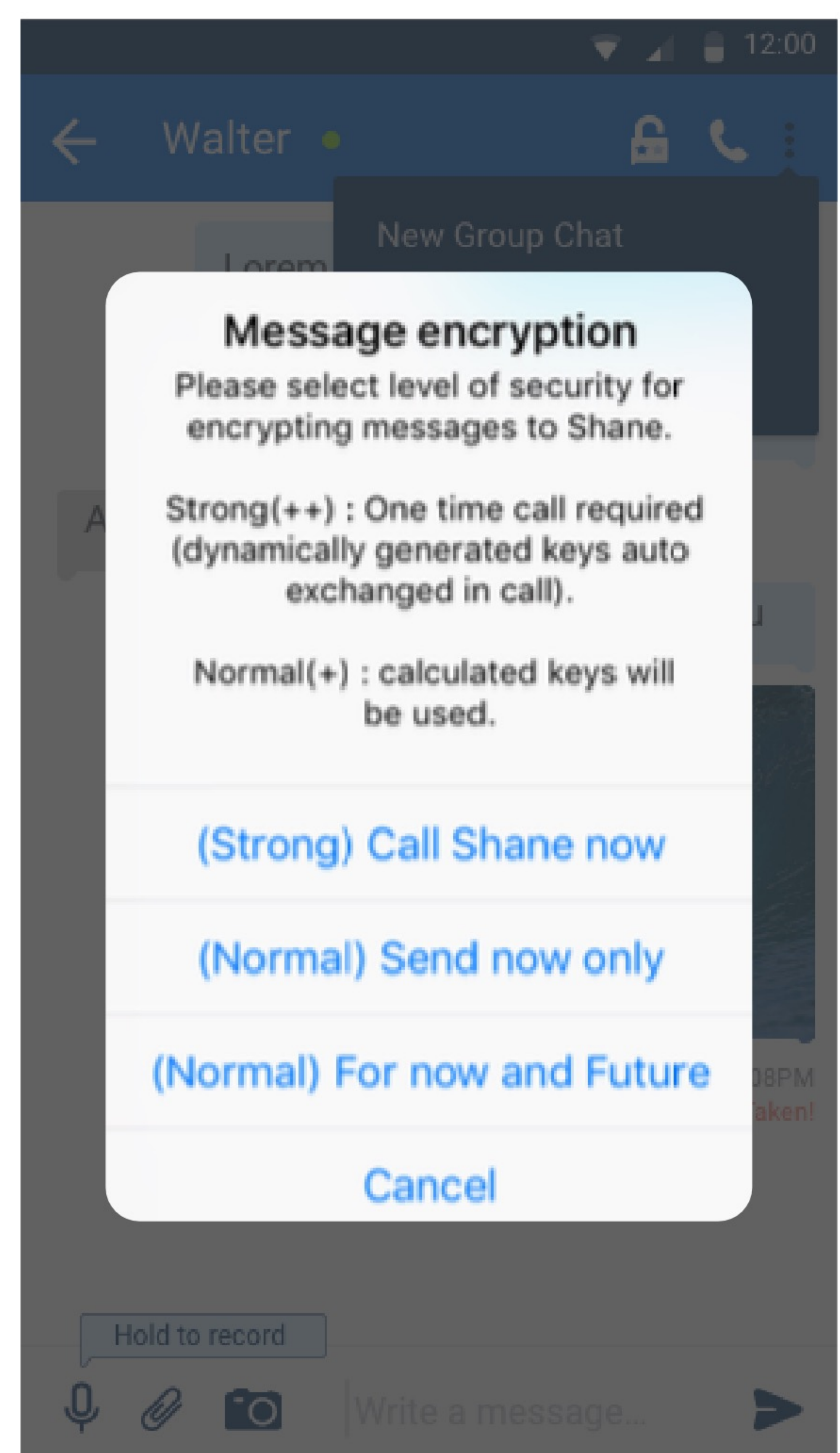


As soon as you can make a secure voice call to another Pryvate user, you will also be able to send a secure Instant Message to that Pryvate user. However, if no call has been made to a recipient Pryvate user, you will be asked to select a level of security for encrypting messages.

Strong(++): One time call required (dynamically generated keys auto exchanged in call)

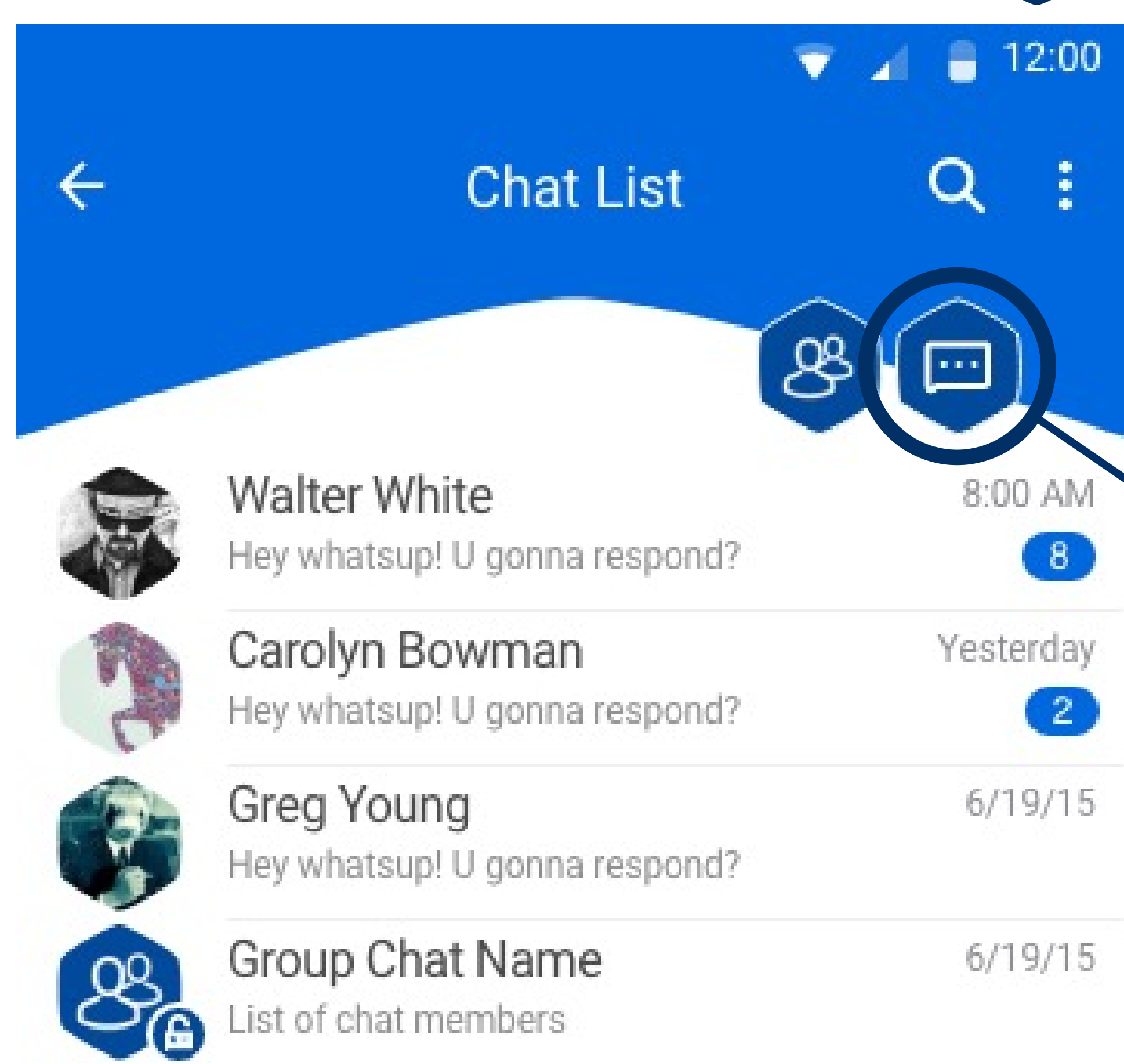
OR

Normal(+): calculated keys will be used. With normal you also get the choice to send now only or for future messages, too.

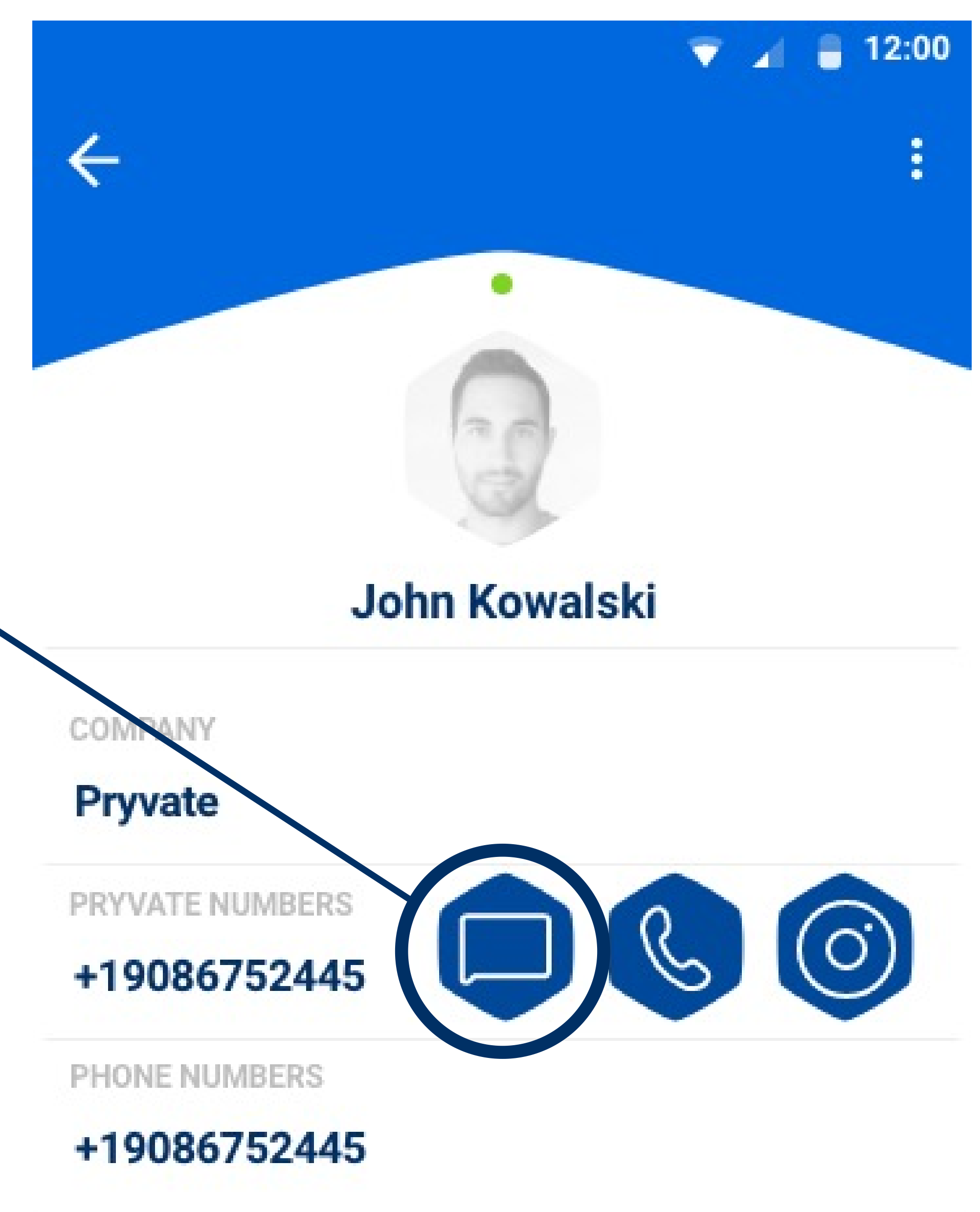


How to Initiate a Secure Instant Message 21

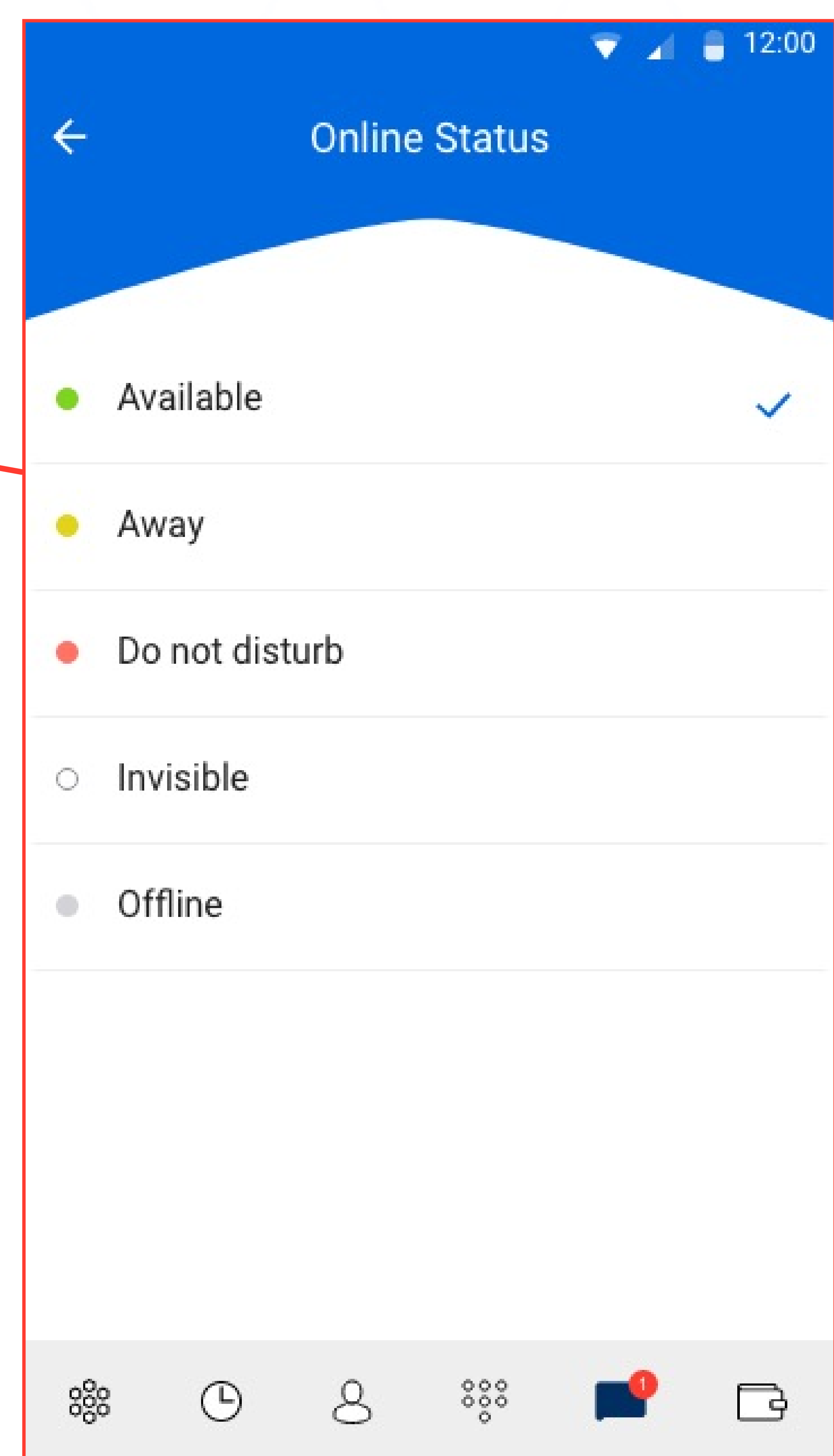
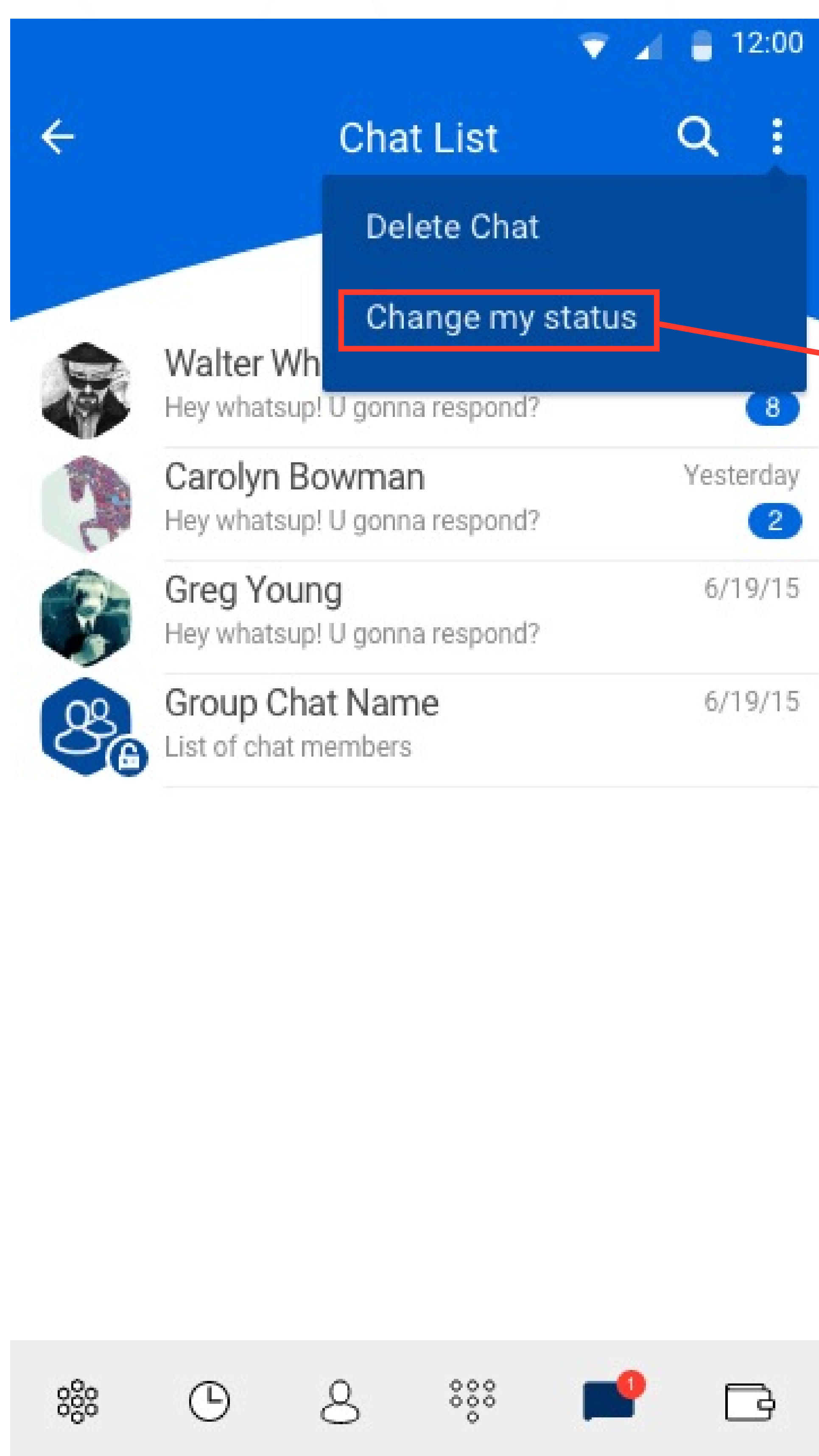
After your selection of message encryption level (see previous page) to a recipient Pryvate user, they can receive and send if they are connected to the internet. It is no different to using SMS on a mobile phone. From the Chat tab, you can select from existing conversations or start a new conversation by clicking the new chat button in the bottom right (upper right for iOS) or from contacts select the chat button



Start a chat

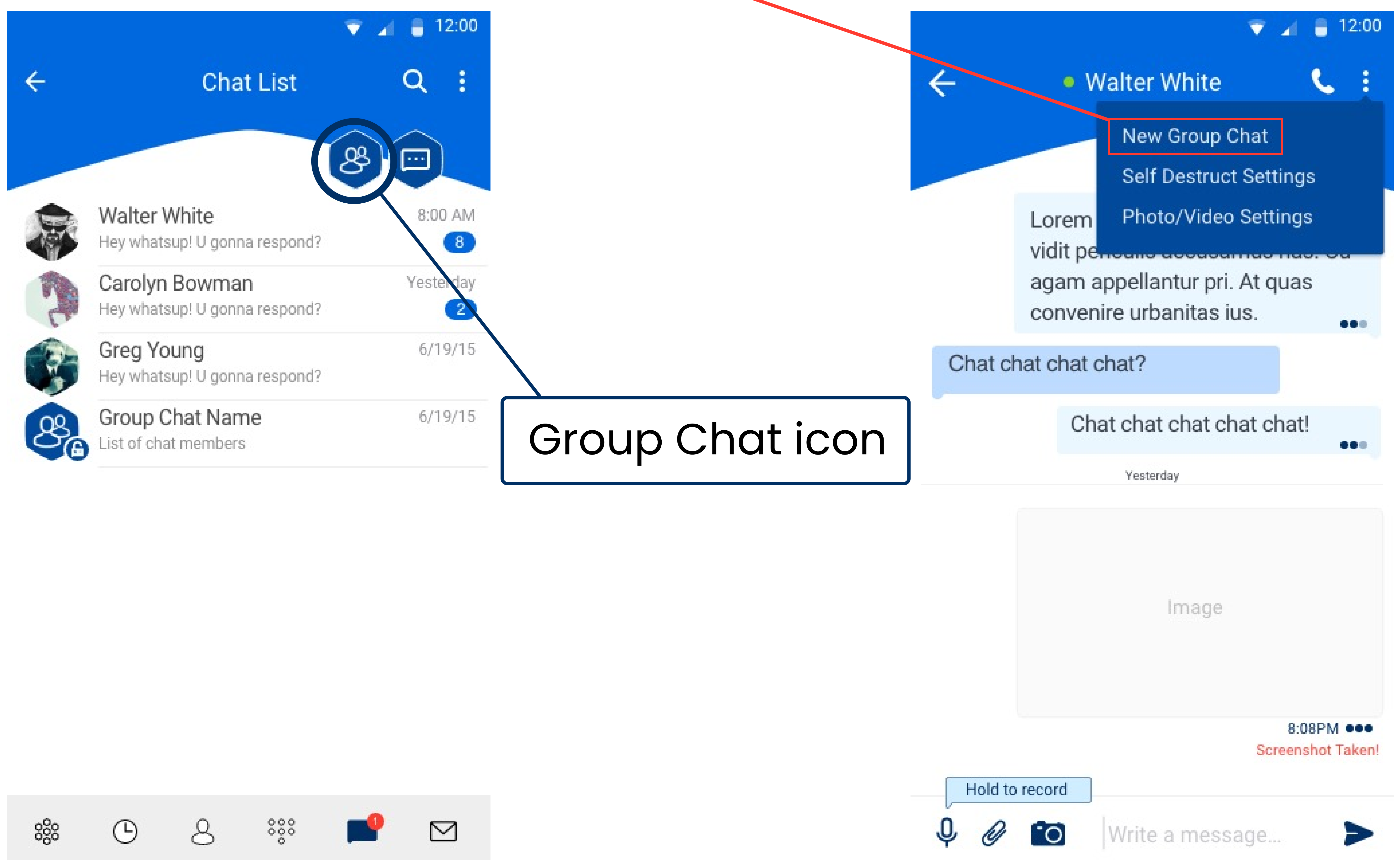


To change your online status open the drop down menu from the Chat List and select the Change my status option. Click your preferred online status and go back to your chat screen. It will be updated and saved automatically.

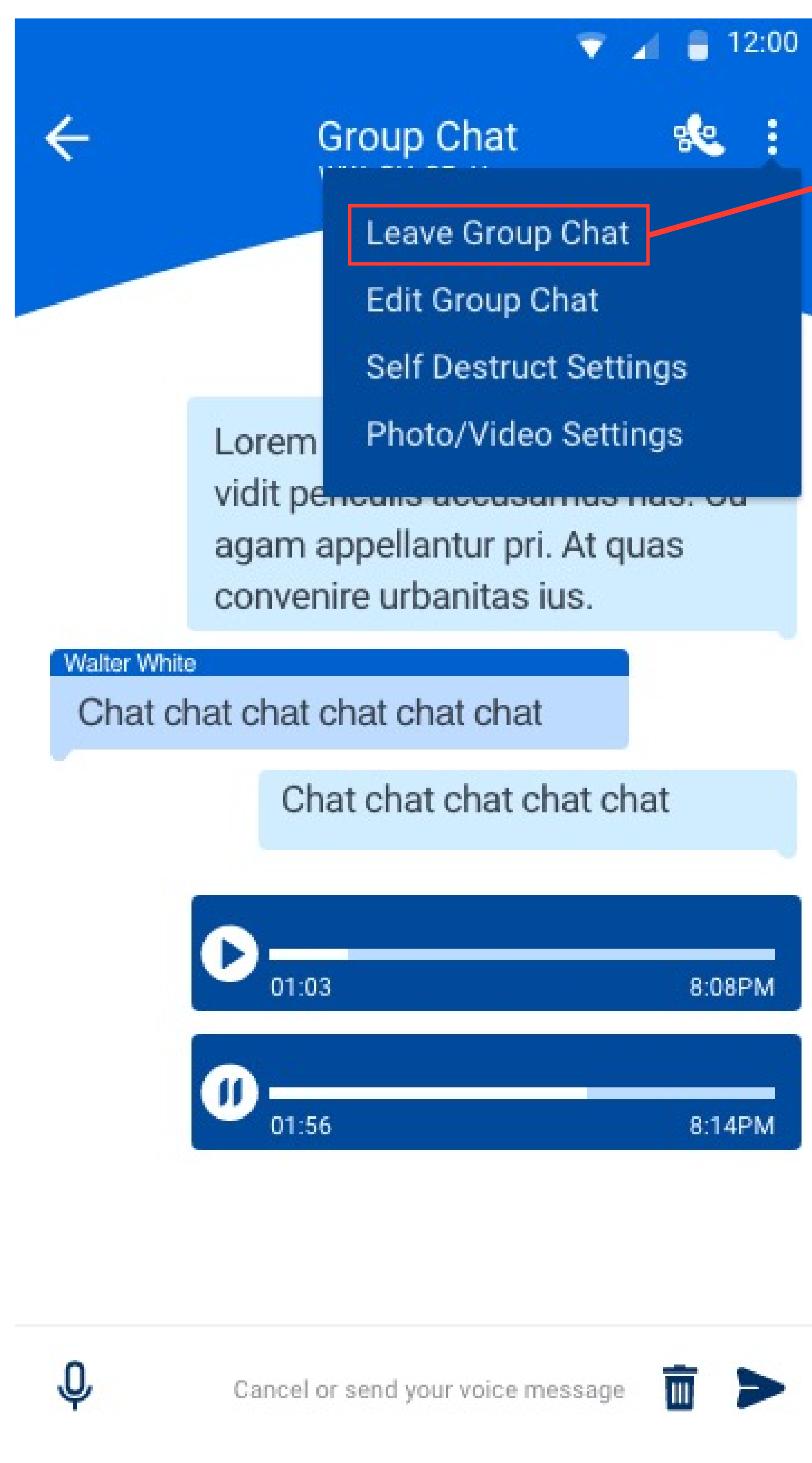


You can continue an existing group conversation by selecting the Chat list or start a new conversation by clicking on the New Group Chat button in the bottom right (upper right for iOS)

Alternatively, you can start a group chat from the 1-to-1 chat menu by selecting New Group Chat option



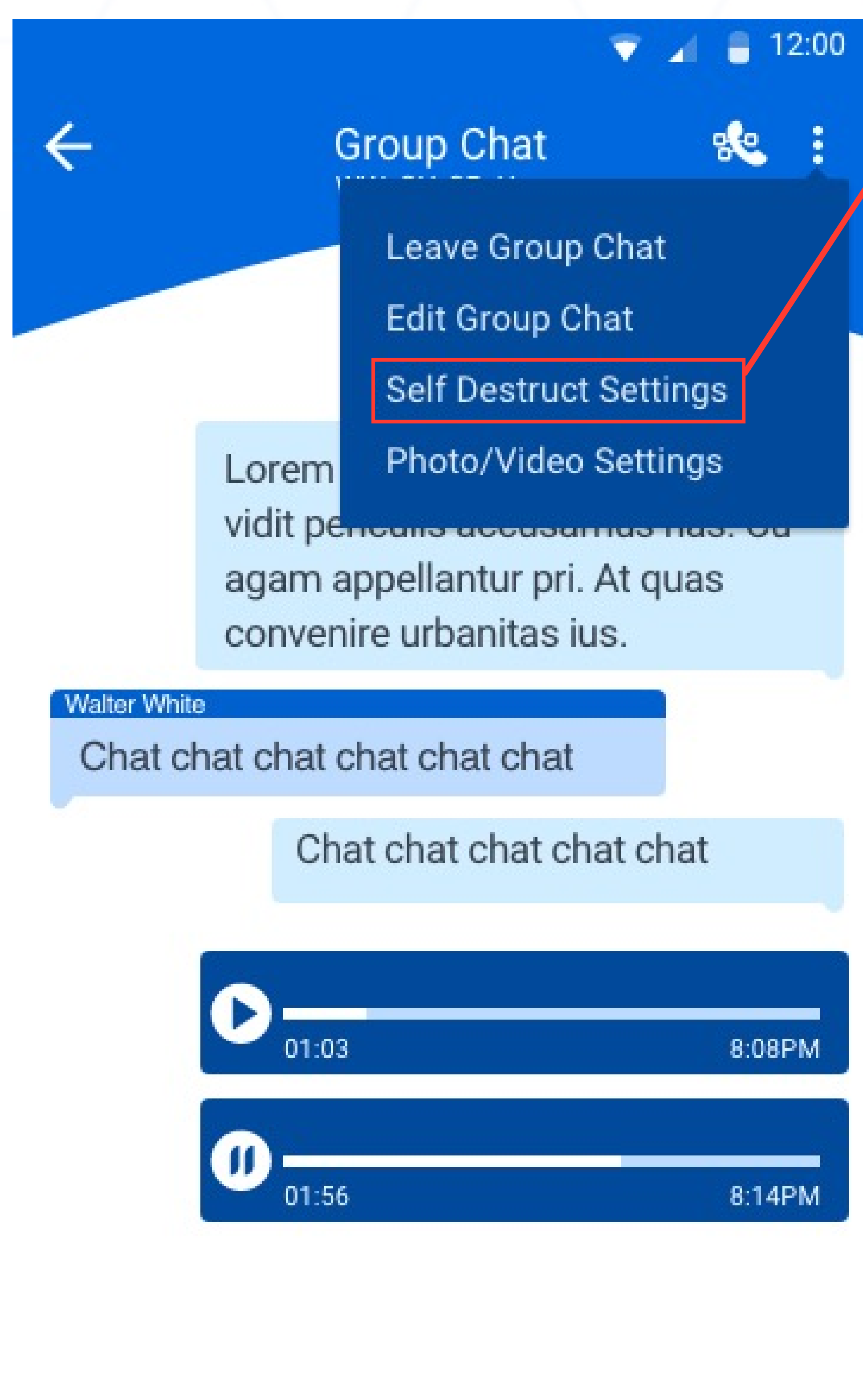
To leave the group chat you can simply select Leave Group Chat option from the Group Chat menu. If you were the creator (Admin) of the group the next person in line will inherit the ownership of the group chat.



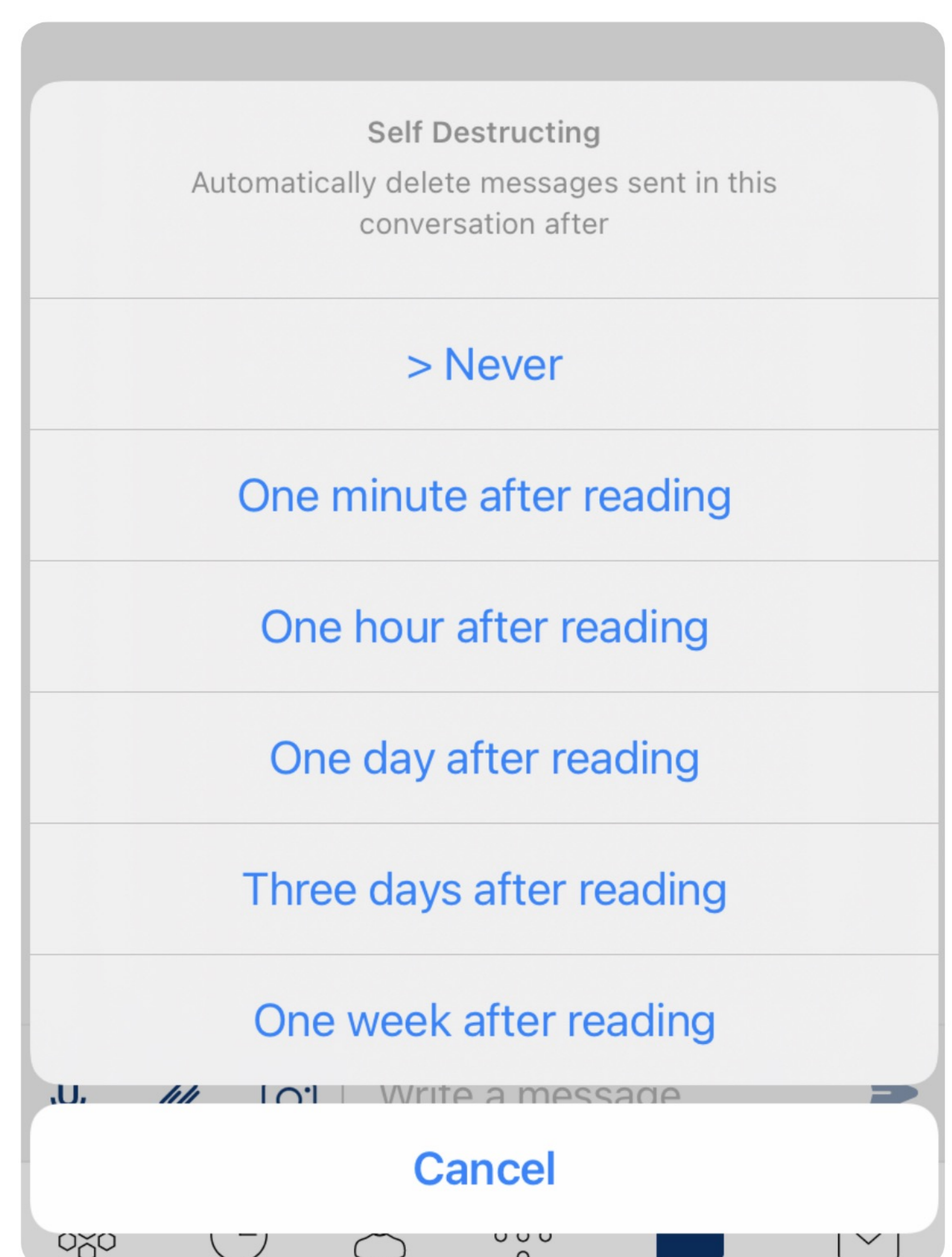
Leave Group Chat option

Click the Chat Options in the top right corner and select Self Destruct Settings (Android/iOS)

Self Destruct Settings

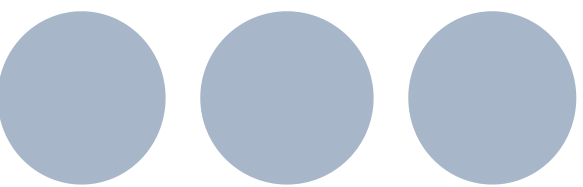
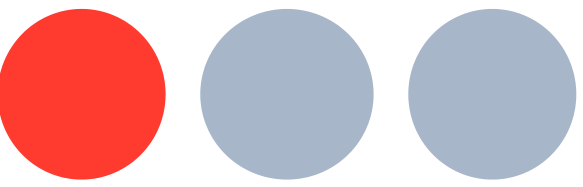
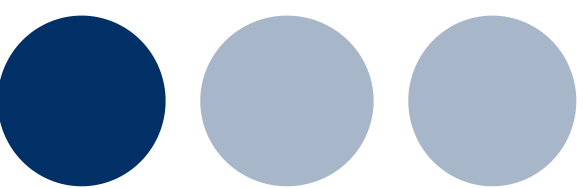
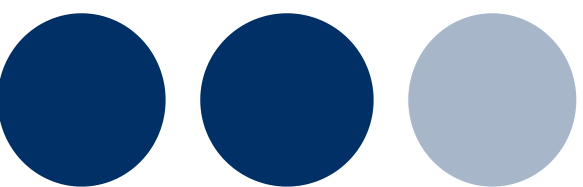
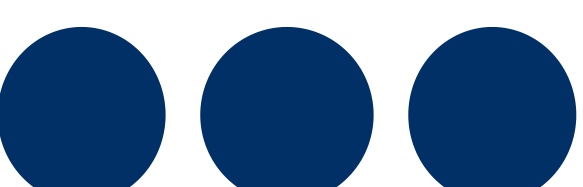


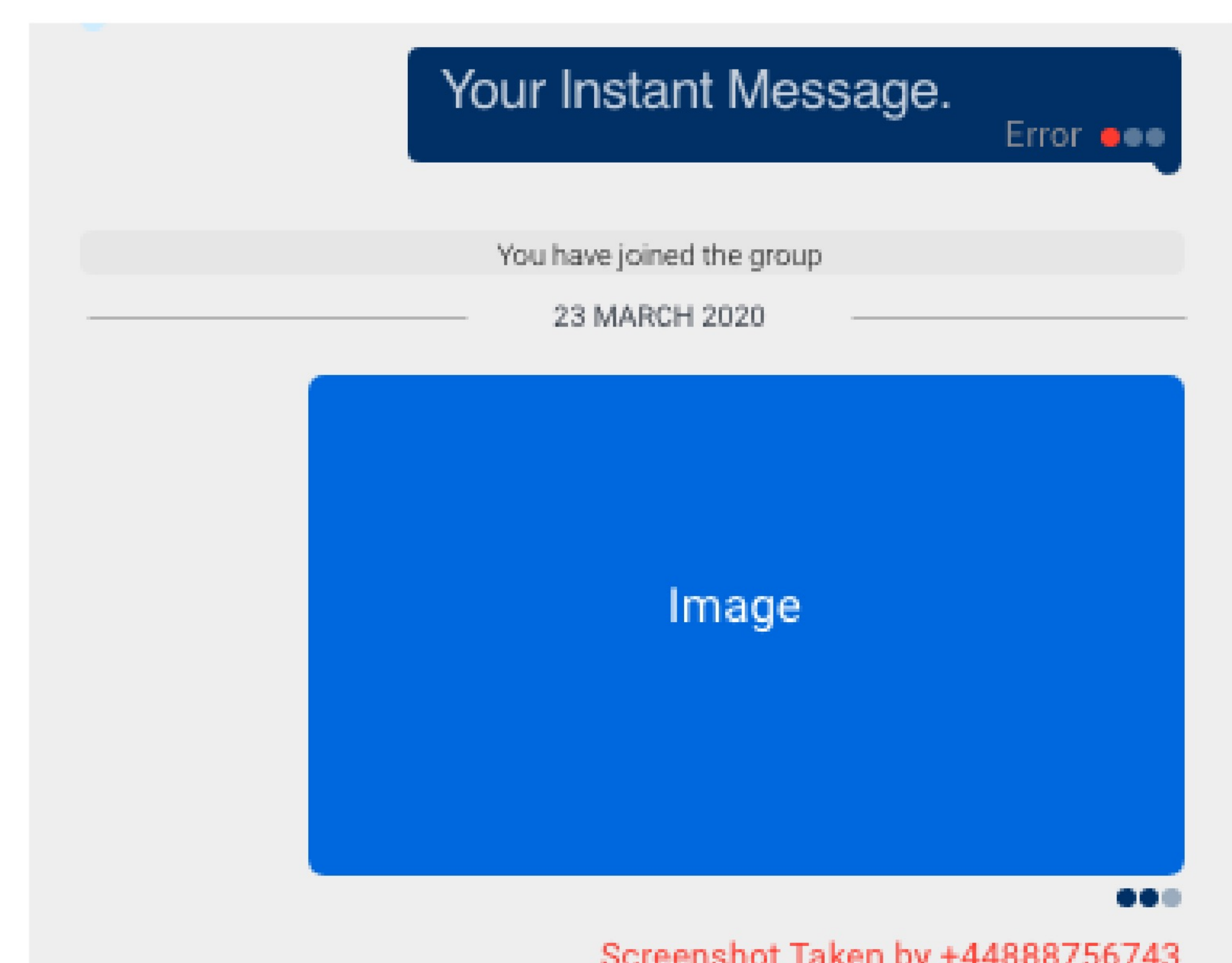
Android/iOS Self-Destruct Settings Menu



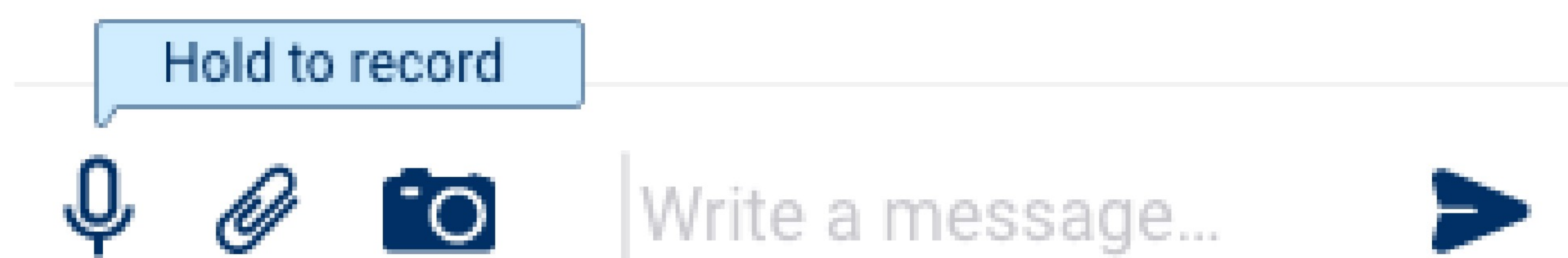
Choose your preferred interval from the menu.

At the bottom right corner of each IM you will see three dots representing your message status. They will change to indicate message sent, delivered, read or failed. In case of a failed message you will see a single orange dot with an ERROR displayed next to it. You can swipe (iOS) or press (Android) your message to access options then select resend. You will see a date stamp next your message when it has been read.

| | |
|-----------|---|
| Sending |  |
| Error |  |
| Sent |  |
| Delivered |  |
| Read |  |



To record and send a voice message in Chat, press and hold the microphone icon.



Whilst holding the microphone icon, start recording your voice message. A red dot will begin to flash next to a time counter, indicating you are in recording mode.



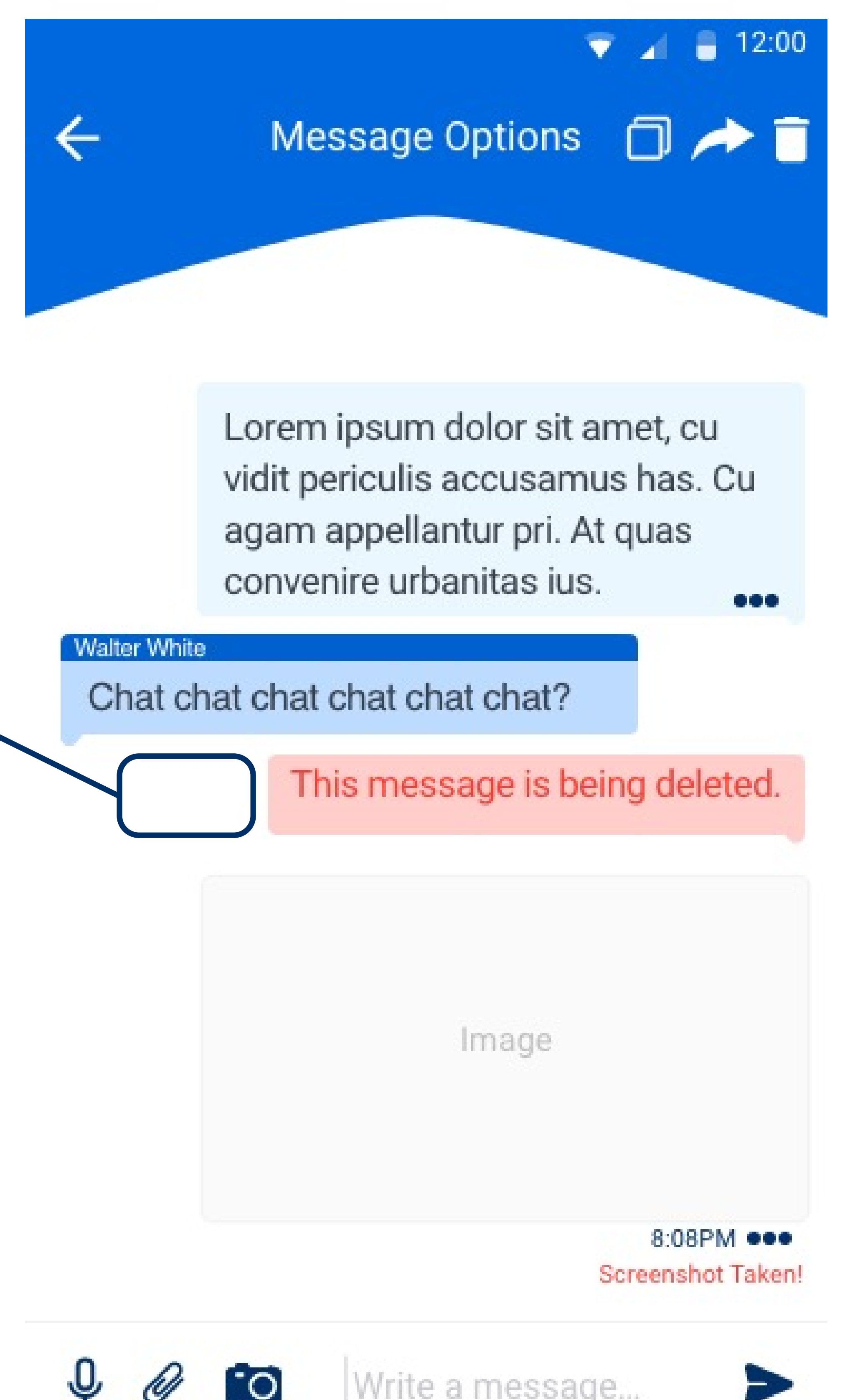
When you release the microphone icon, the recording will stop and your message will be ready to send. Press the blue arrow to send or delete it by using trashcan icon.



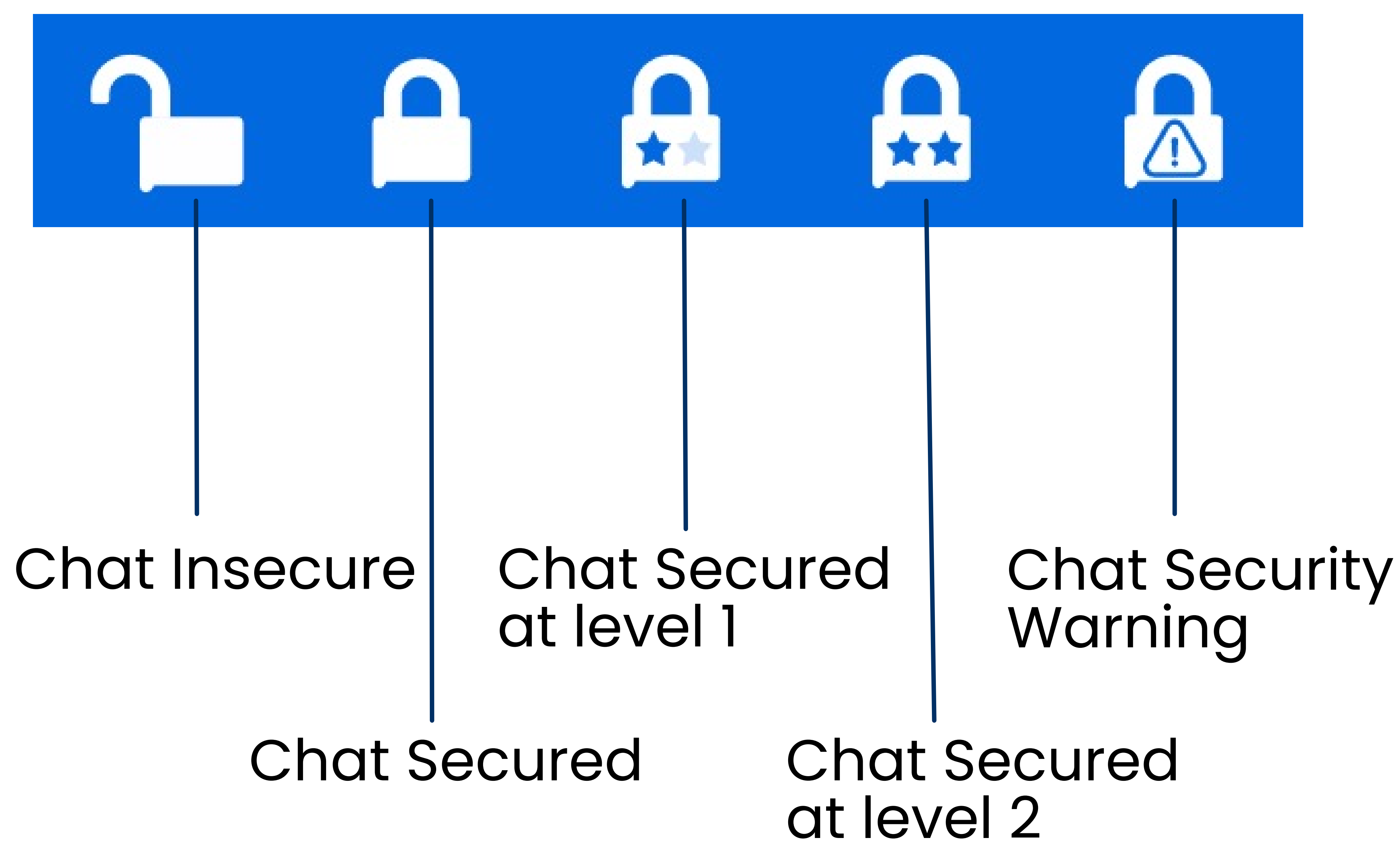
You can delete your message by pressing and holding it until it highlights red. Select the Delete Message option from the top bar to remove your message.

Press and long hold the empty area next to media message to enable media message options. Select delete option (trash can) from the top bar.

For the iOS platform you can achieve the same result by sliding the media message or regular text message to the left to reveal message Delete/Copy/Forward options

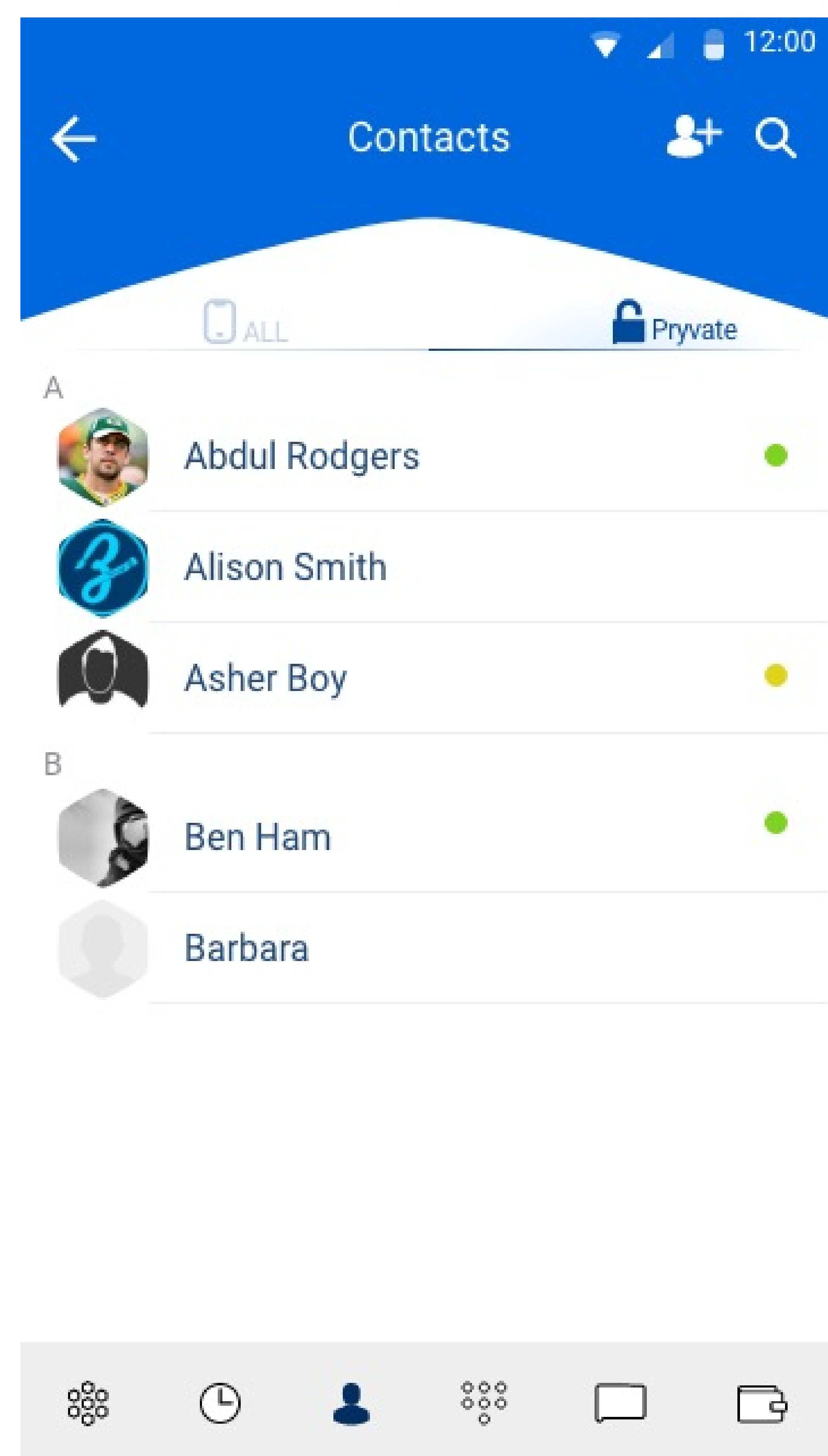
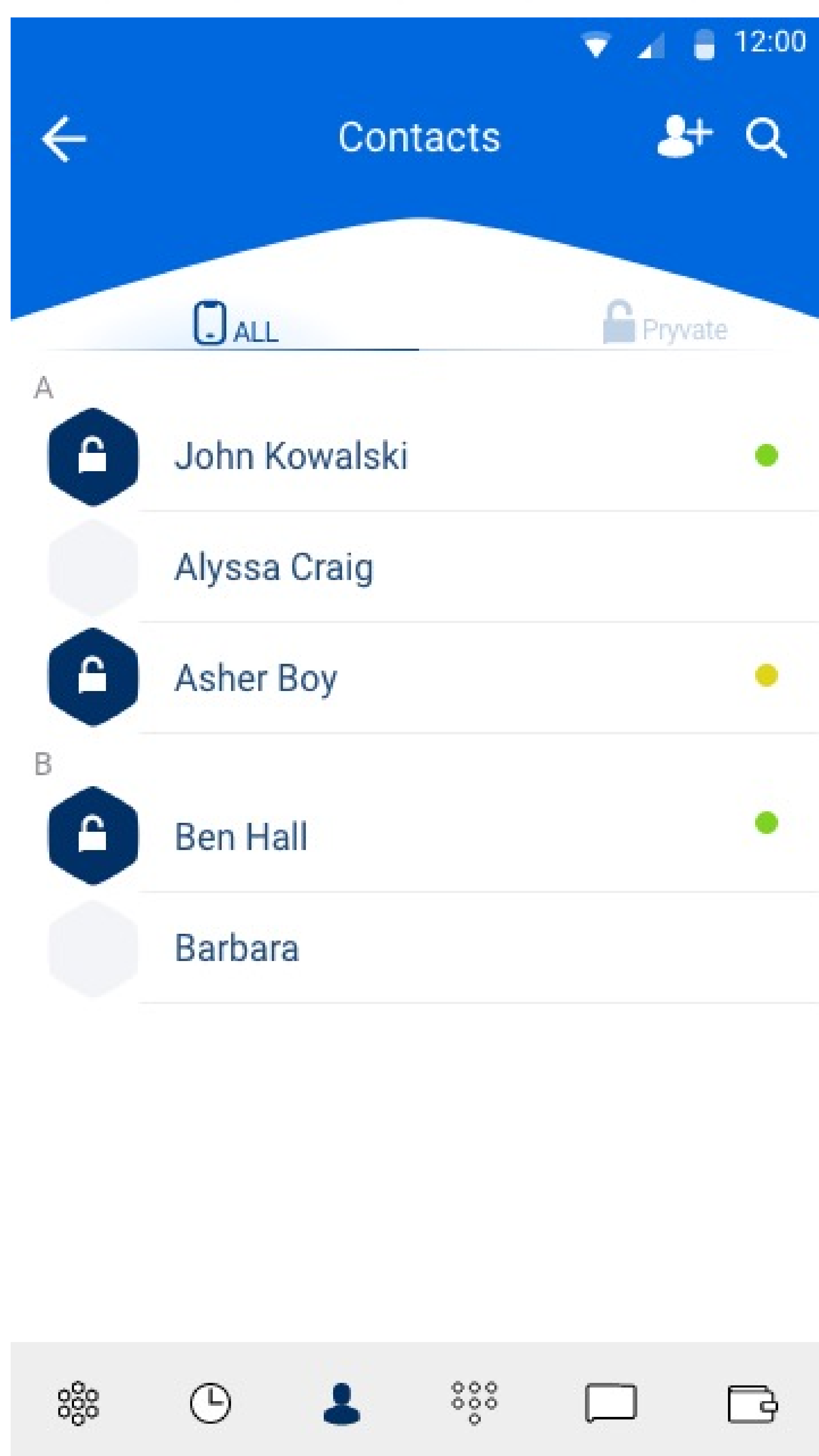


There are five icons indicating chat security level for both 1-2-1 and group conversations. They can be seen at the top of the chat screen and next to the current chat in the list screen.

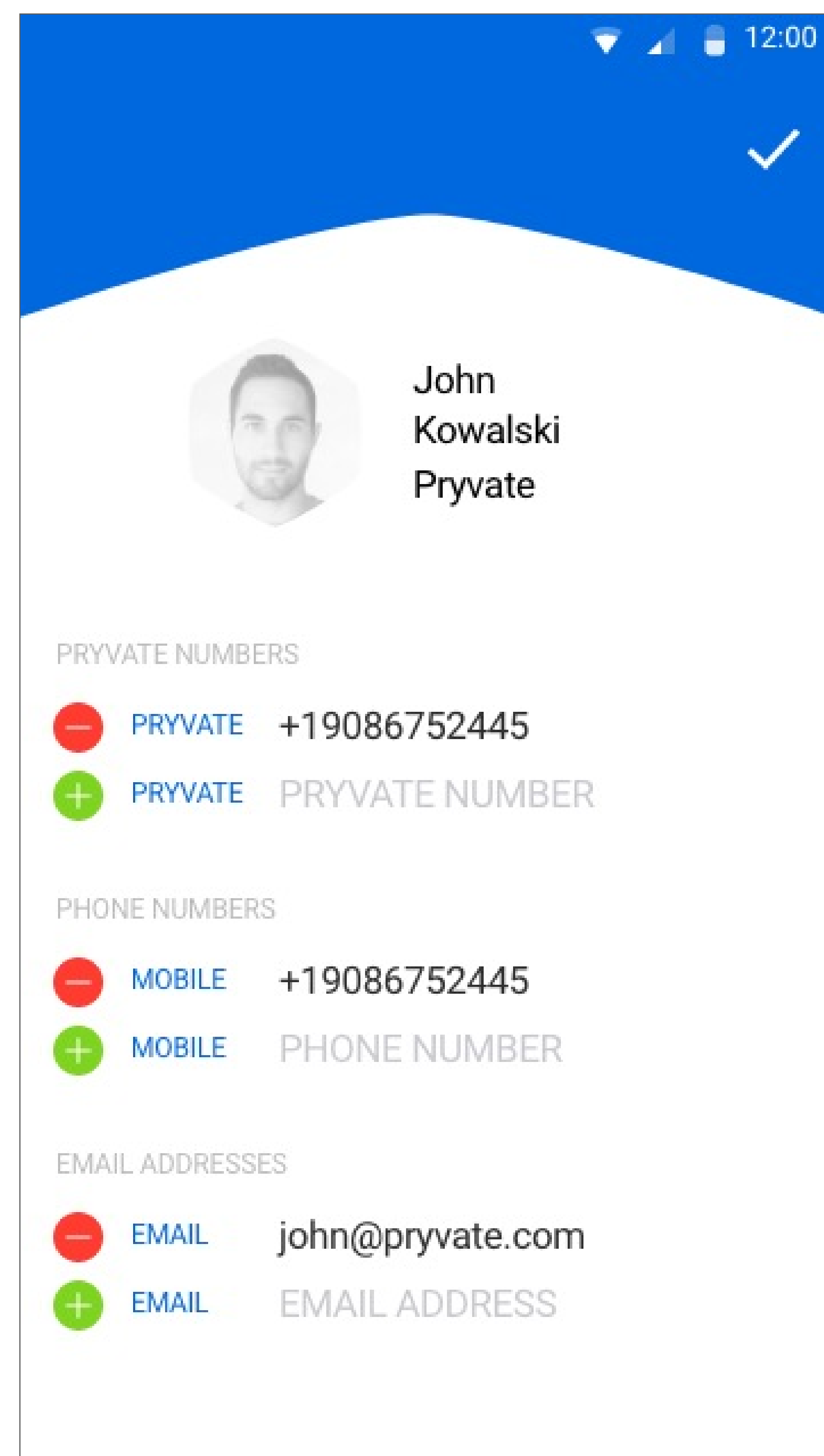
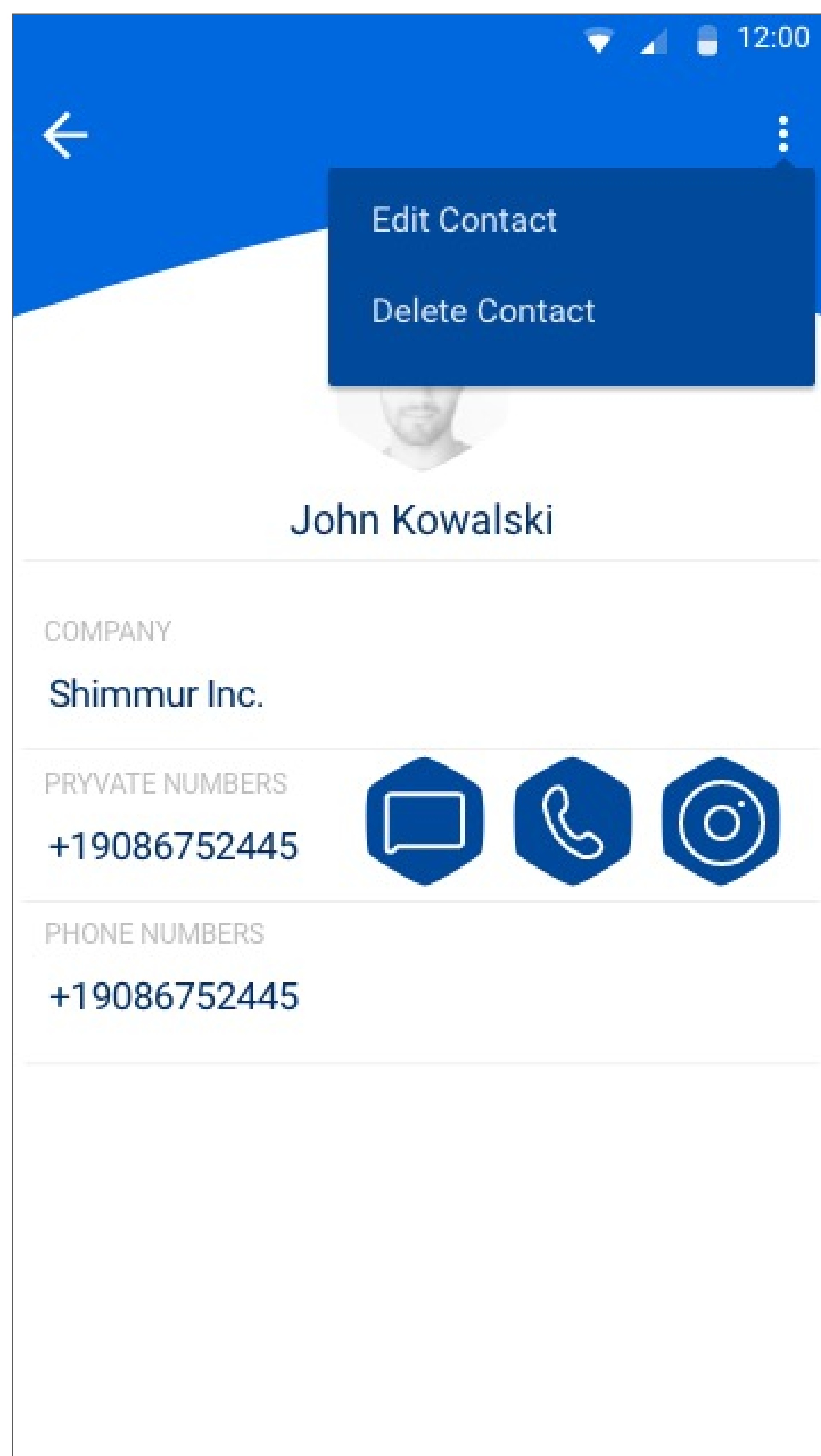


Using the Contacts Section 30

The contacts section is available by pressing the Contact button located on the bottom menu. All of your iPhone or Android contacts will be listed here. You can toggle between “All” contacts and “Pryvate” contacts on the top bar.

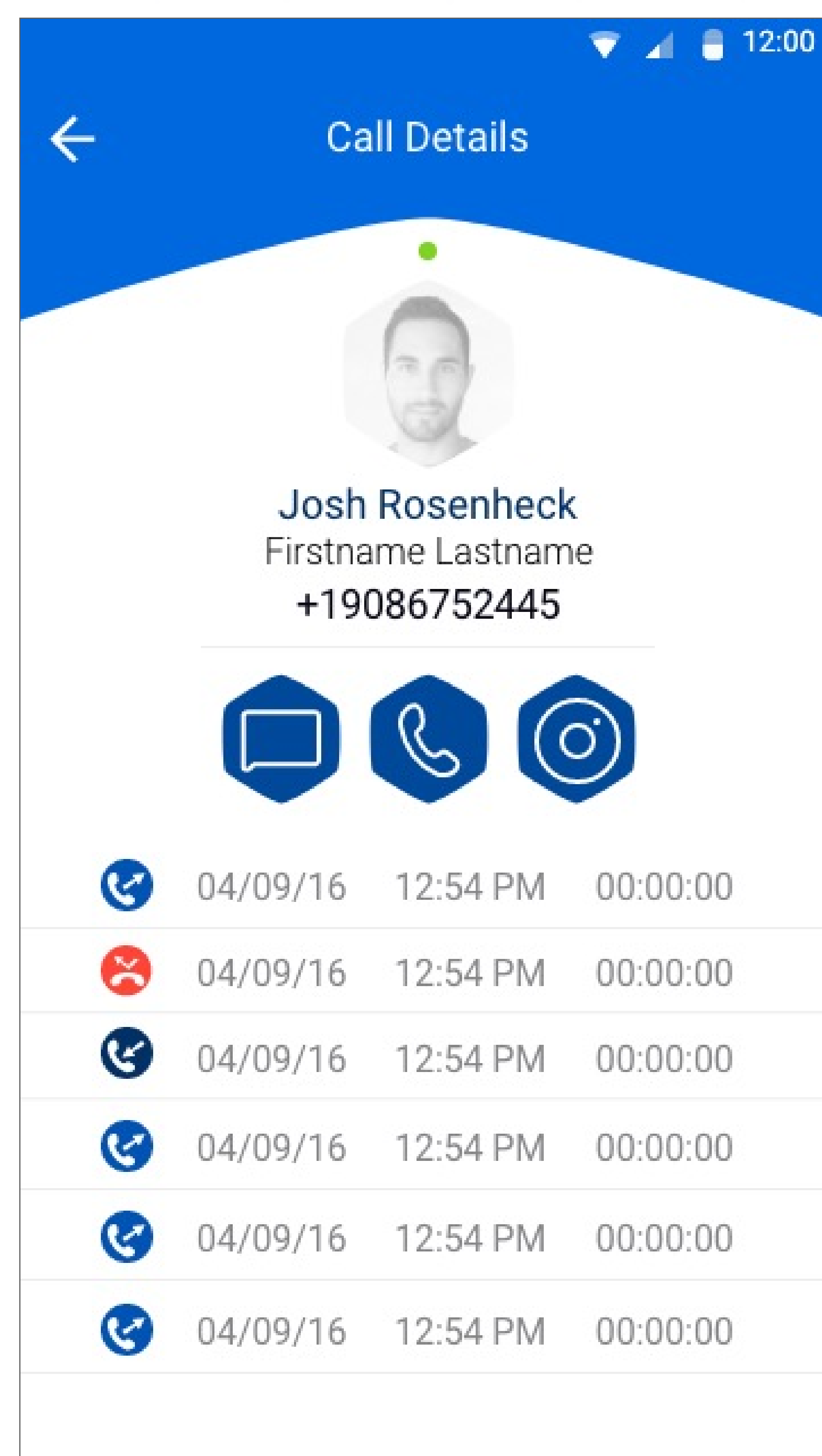
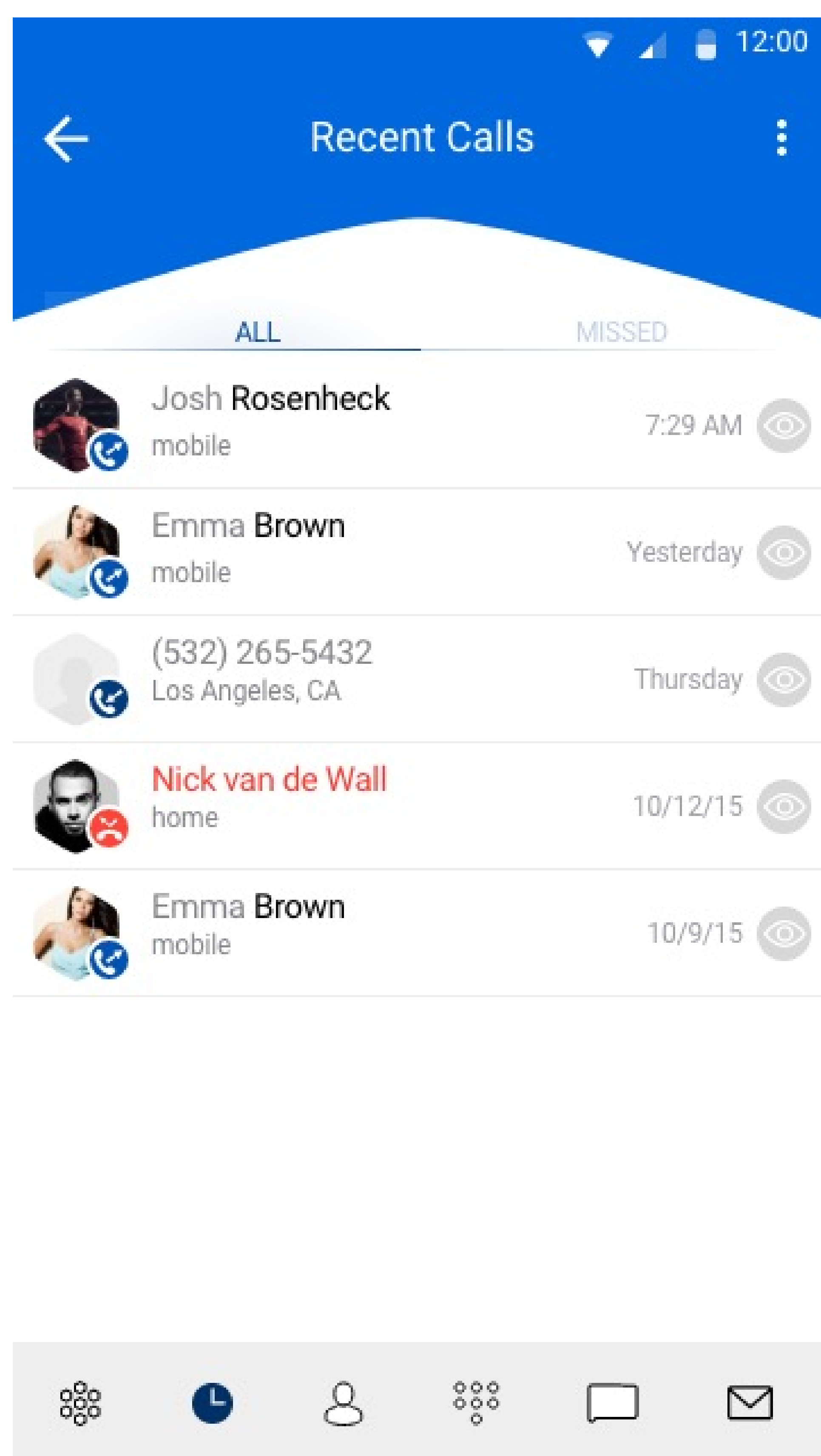


You will also be able to initiate secure voice calls and secure instant messages to that Pryvate user listed in your contacts directory. Like all contacts directories, you are able to add, edit and delete entries.



Using the Recents Section 32

All previous calls made on your Pryvate app will be listed by tapping the recents button. You can clear the list whenever you wish to. By clicking the info sign on the right side of each entry you will gain more information about that call. You can make calls and add contacts from the detailed info page.



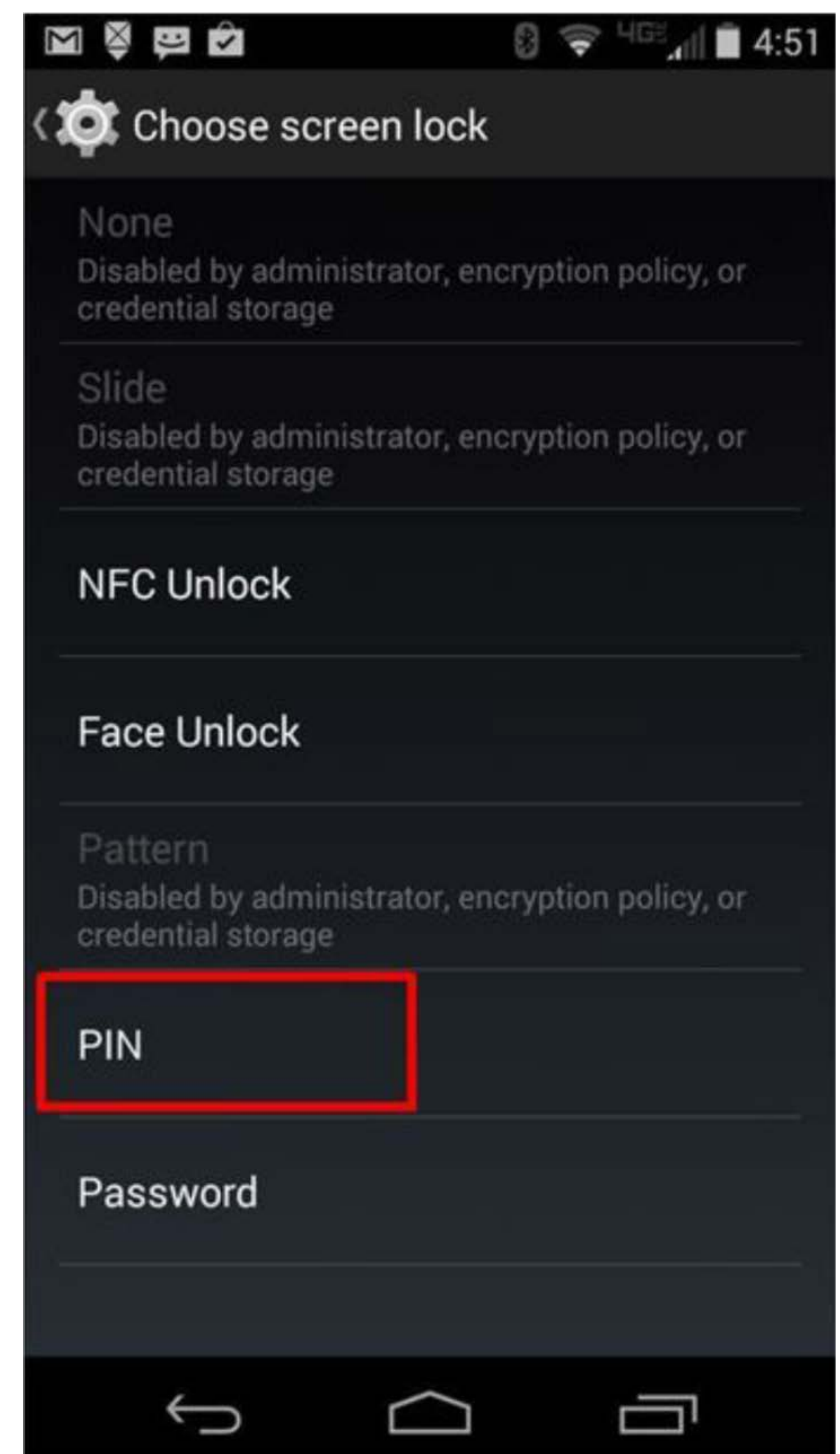
Q. I am having quality issues. What's wrong?

A. If the quality of your call or video call is poor the most likely issue is the bandwidth on your internet connection. You can check it using Speedtest (www.speedtest.net) or download their app. If your connection is below 1Mbps you will start to encounter quality issues.

Q. I have just installed Pryvate but can't make a call to another number which I know works. What can I do?

A. Restarting your device after initial installation will resolve this issue. We suspect it is to do with the security of your device.

To get started, go to **Settings > Security > Encryption > Screen lock**. Select the PIN option and enter a PIN.



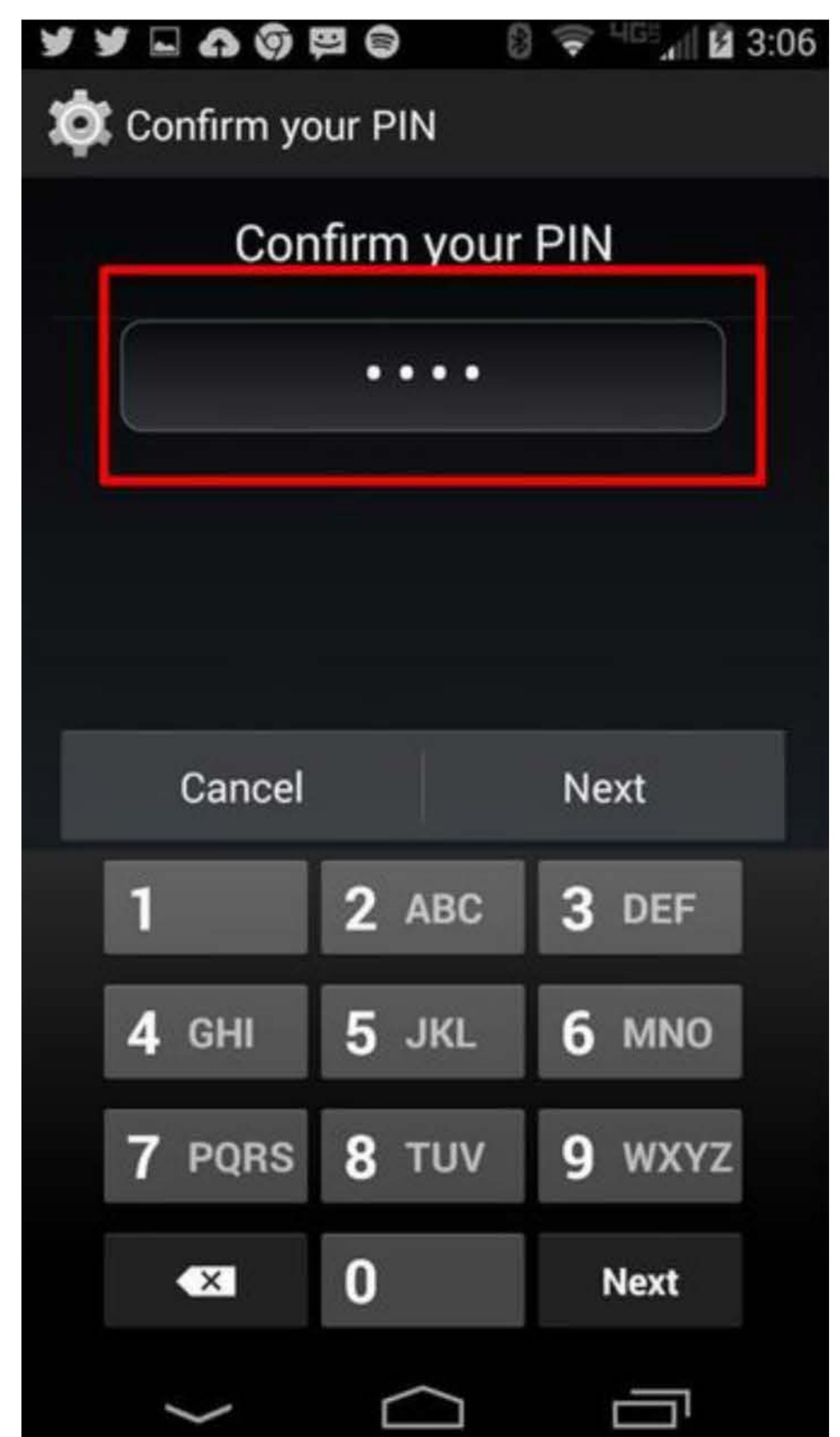
The Android device is ready to be encrypted. Use the settings menu to open the encryption screen below by following **Settings > Security > Encryption > Encrypt phone** or **Encrypt tablet** or **Encrypt phone**.



Enter the PIN or password that was created earlier using the screen below. In this case, a short PIN was used to reduce the time to encrypt the device. A longer, random password would be better in practice.

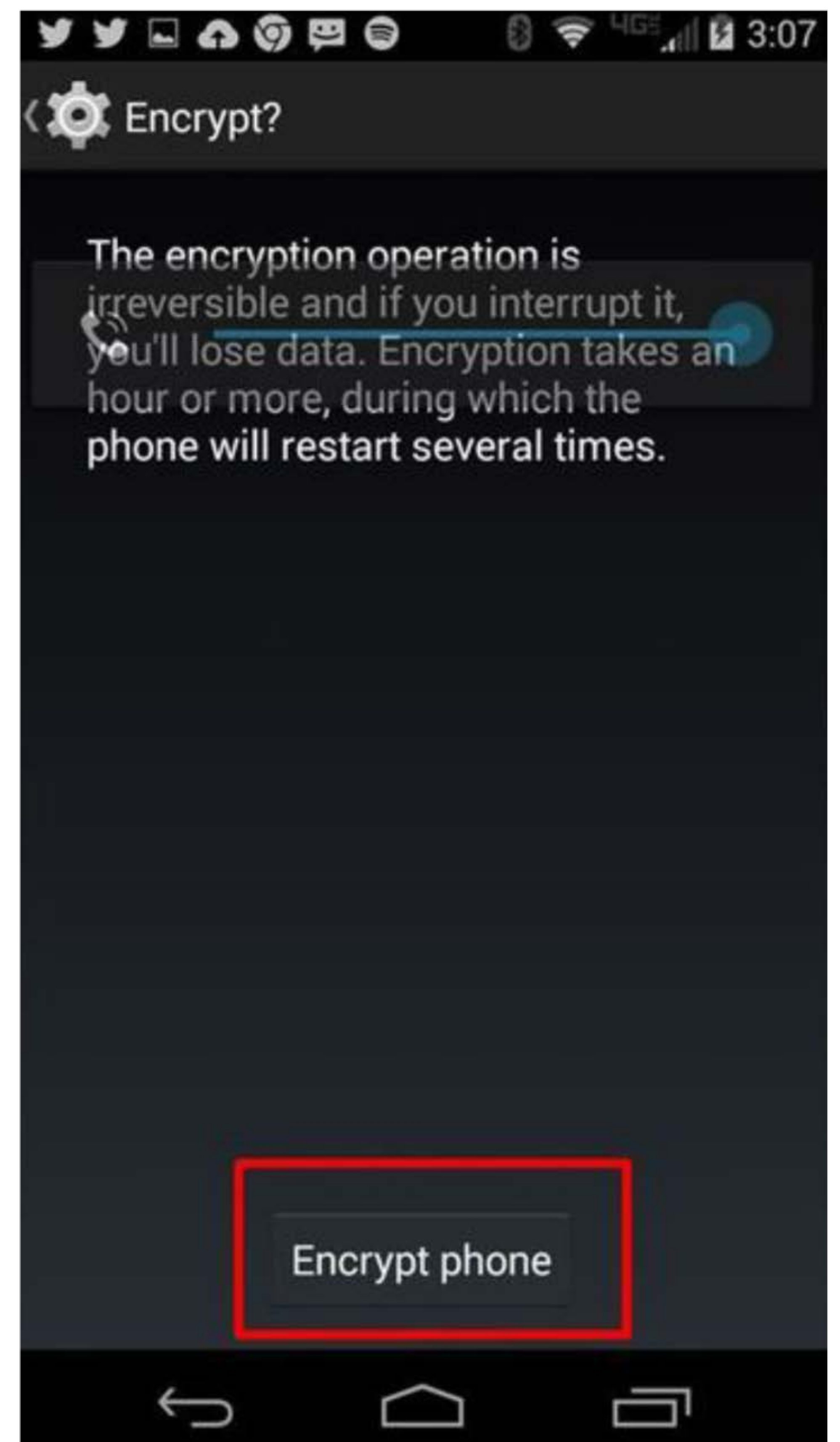
The Android device needs to be plugged in to a charger or it won't encrypt. Tap the encrypt button.

The PIN or Password is required to proceed to the last step to encrypt the device.



Touch the Encrypt phone button. Depending on PIN or password length, encryption can take up to an hour.

The Android device is now encrypted. Every time the Android device is turned on it will require a PIN or password to start.



Here are some other iOS features you should think about using if you're dealing with private data:

- iTunes has an option to backup your device onto your computer. If you choose the "Encrypt backup" option on the Summary tab of your device in iTunes, iTunes will backup more confidential information (such as WiFi and email passwords), but will encrypt it all before saving it onto your computer. Be sure to keep the password you use here safe.
- If you backup to Apple's iCloud, you should use a long password to protect the data, and keep that password safe. While Apple encrypts most data in its backups, it may be possible for companies to obtain access for law enforcement purposes since Apple also controls the keys used for iCloud encryption.

- If you turn on data protection, as described above, you will also be able to delete your data on your device securely and quickly. In the Touch ID & Passcode settings, you can set your device to wipe all its data after 10 failed attempts.
- According to Apple's old Law Enforcement Guide, "Apple can extract certain categories of active data from passcode locked iOS devices. Specifically, the user generated active files on an iOS device that are contained in Apple's native apps and for which the data is not encrypted using the passcode ("user generated active files"), can be extracted and provided to law enforcement on external media. Apple can perform this data extraction process on iOS devices running minimum iOS 4. Please note the only categories of user generated active files that can be provided to law enforcement, pursuant to a valid search warrant, are: SMS, photos, videos, contacts, audio recording, and call history. Apple cannot provide: email, calendar entries, or any third-party App data."

The above information applies only to iOS devices running versions of iOS prior to 8.0.

- Now, Apple states that “On devices running iOS 8 and later versions, Apple is unable to perform an iOS device data extraction as the data typically sought by law enforcement is encrypted, and Apple does not possess the encryption key”
- If you are concerned about your device getting lost or stolen, you can also set up your Apple device so that it can be erased remotely, using the “Find My iPhone” feature. Note: this will allow Apple to remotely request the location of your device at any time. You should balance the benefit of deleting data, if you lose control of your device, with the risk of revealing your own position. (Mobile phones transmit this information to telephone companies as a matter of course; WiFi devices like iPads and the iPod Touch do not.)



REMEMBER: While Apple will be unable to extract data directly off a phone, if the device is set to sync with iCloud, or backup to a computer, much of the same data will indeed be accessible to law enforcement. Under most circumstances, iOS encryption is only effective when a device has been fully powered down (or freshly-rebooted, without being unlocked). Some attackers might be able to take valuable data from your device's memory when it's turned on. (They might even be able to take the data when it has just been turned off). Keep this in mind and, if possible, try to make sure your device is powered (or rebooted and not unlocked) if you believe it's likely to be seized or stolen.

Our Voice, Video, IM and picture sharing part of the app is RSA 4096 level encryption; this is at least twice as strong as our nearest competitor.

For the email client we have chosen to not implement that level of encryption as it would very much slow down the whole process. AES 256 is more than adequate for the email service and is resistant against any “quantum brute force algorithm attack” -one of the most dangerous among decrypting techniques

For more details, please refer to the following link <http://crypto.stackexchange.com/questions/20/what-are-the-practical-differences-between-256-bit-192-bit-and-128-bit-aes-enc>

All your private encrypted emails shall be delivered in an encrypted format to the recipient's email service provider's servers (as normal with un-encrypted emails), thus all emails, along with received Pryvate encrypted emails, shall show in the usual manner within the email client service provider's usual window. However, here all Pryvate encrypted emails cannot be read.

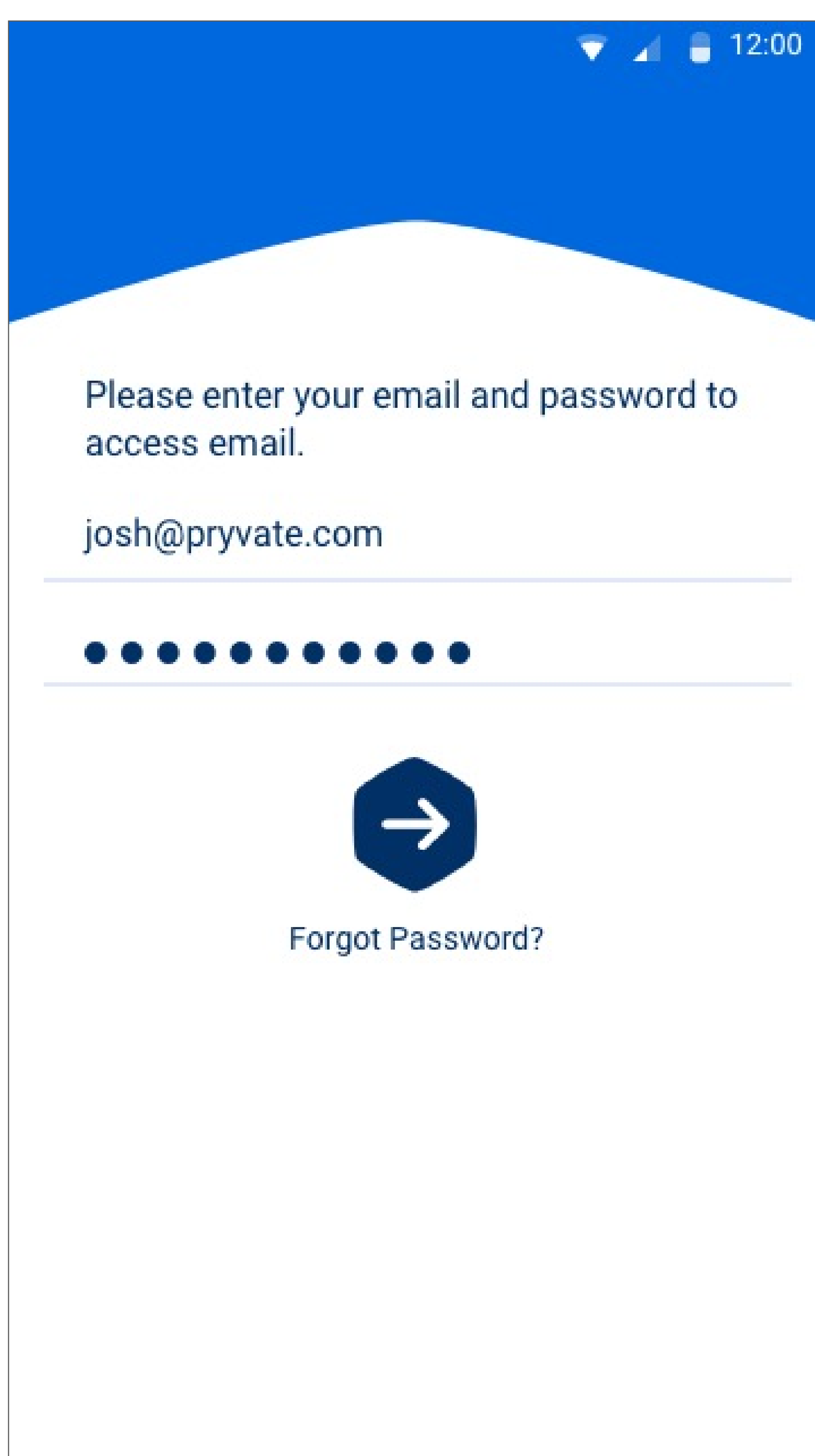
Once you click on any Pryvate encrypted email within your usual client the email will open and show a link to your Pryvate email client viewer. Click on this button and (so long as you have registered on your Pryvate app email client on your device) your email will automatically be opened and read within your Pryvate email client!

You can read the message, close it and chose to save the email to your device in its readable format, or you may chose not to save it. If you choose not to save it, you can always leave it on your current email's server in its encrypted format and access it thru the Pryvate client at any time you choose.

NB: All emails that show on your device are stored on your email service provider's servers, so you can access any of these, whenever sent. These are not stored locally. The same access will be there for your encrypted emails. Nothing changes. Except that all such emails remain confidential and unreadable by anyone other than the intended recipient.

Thus, as we at Pryvate do not store or have access to such information, we have provided you with an option to store up to 10 emails locally (on your device). We could allow more but realize that this is sensitive information and any more stored locally could start to affect the memory and performance of your service, and also leave decrypted emails viewable on your device!

Enter the email address you registered with along with your password. Your password would have been mailed to your registered email address. If you have forgotten your password, click “Forgot Password” to recover it. You will then be prompted to enter your 4-digit Security PIN.




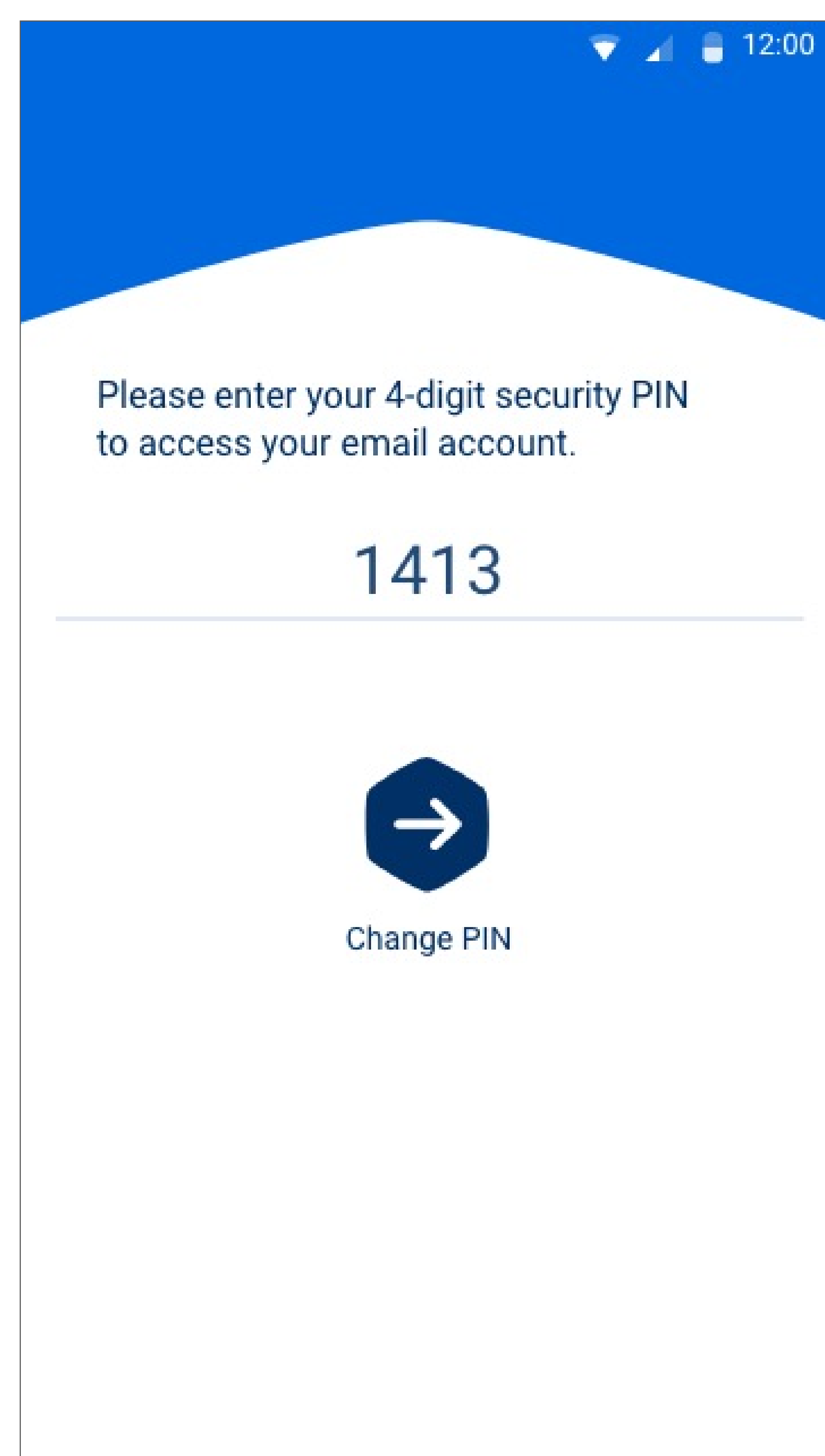
This screenshot shows the initial login screen of the Pryvate Email app. It features a blue header with a white curved bottom edge. The main content area is white and contains the text "Please enter your email and password to access email." Below this, there are two input fields: the first contains the email address "josh@pryvate.com", and the second is a password field represented by ten dots. At the bottom, there is a blue hexagonal button with a white right-pointing arrow and the text "Forgot Password?" below it.

Please enter your email and password to access email.

josh@pryvate.com

.....


Forgot Password?



This screenshot shows the PIN entry screen of the Pryvate Email app. It features a blue header with a white curved bottom edge. The main content area is white and contains the text "Please enter your 4-digit security PIN to access your email account." Below this, there is a 4-digit PIN field showing "1413". At the bottom, there is a blue hexagonal button with a white right-pointing arrow and the text "Change PIN" below it.

Please enter your 4-digit security PIN to access your email account.

1413



Change PIN

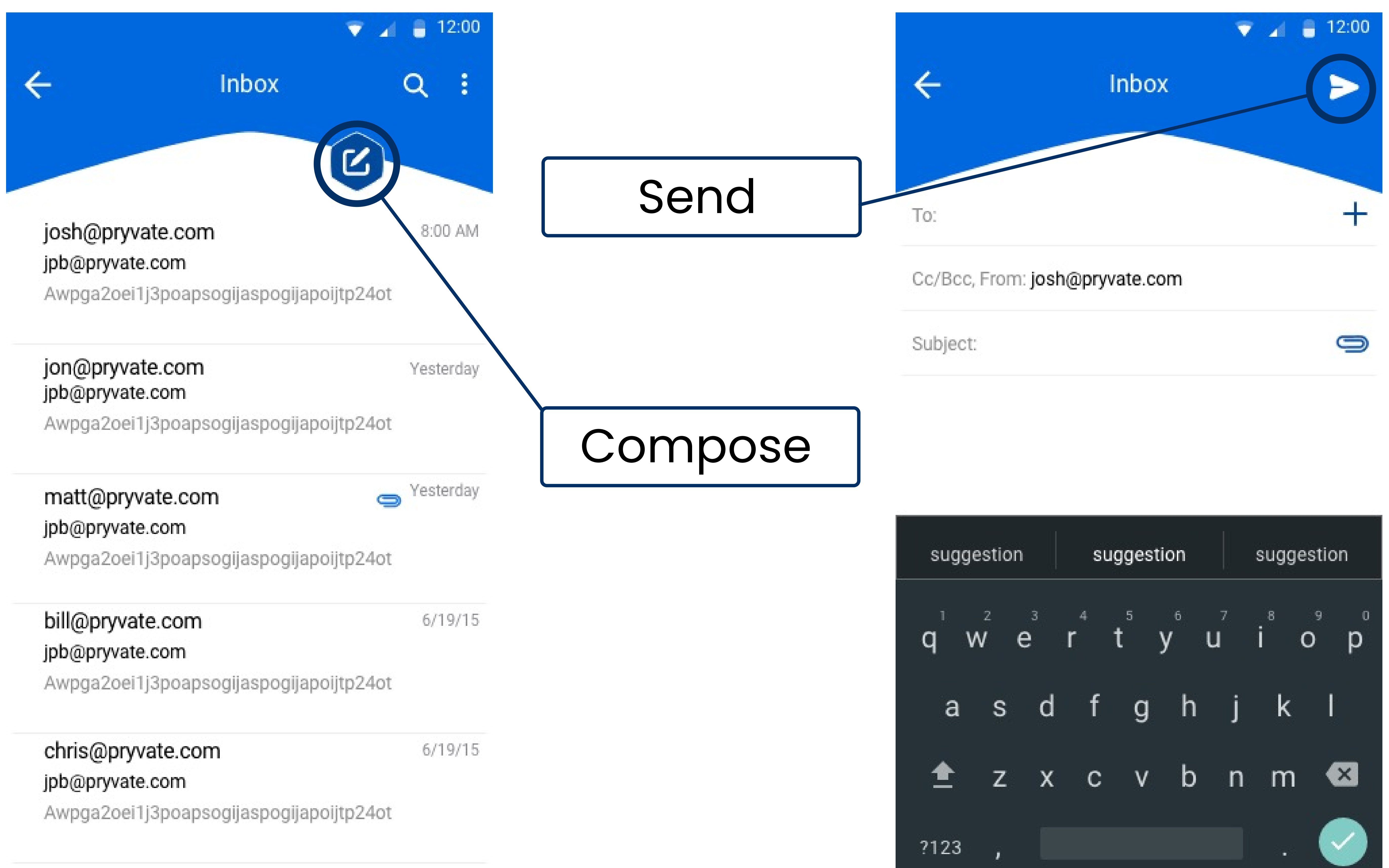
Warning!

If you log out and log in again with alternate account details all your saved emails will be deleted.

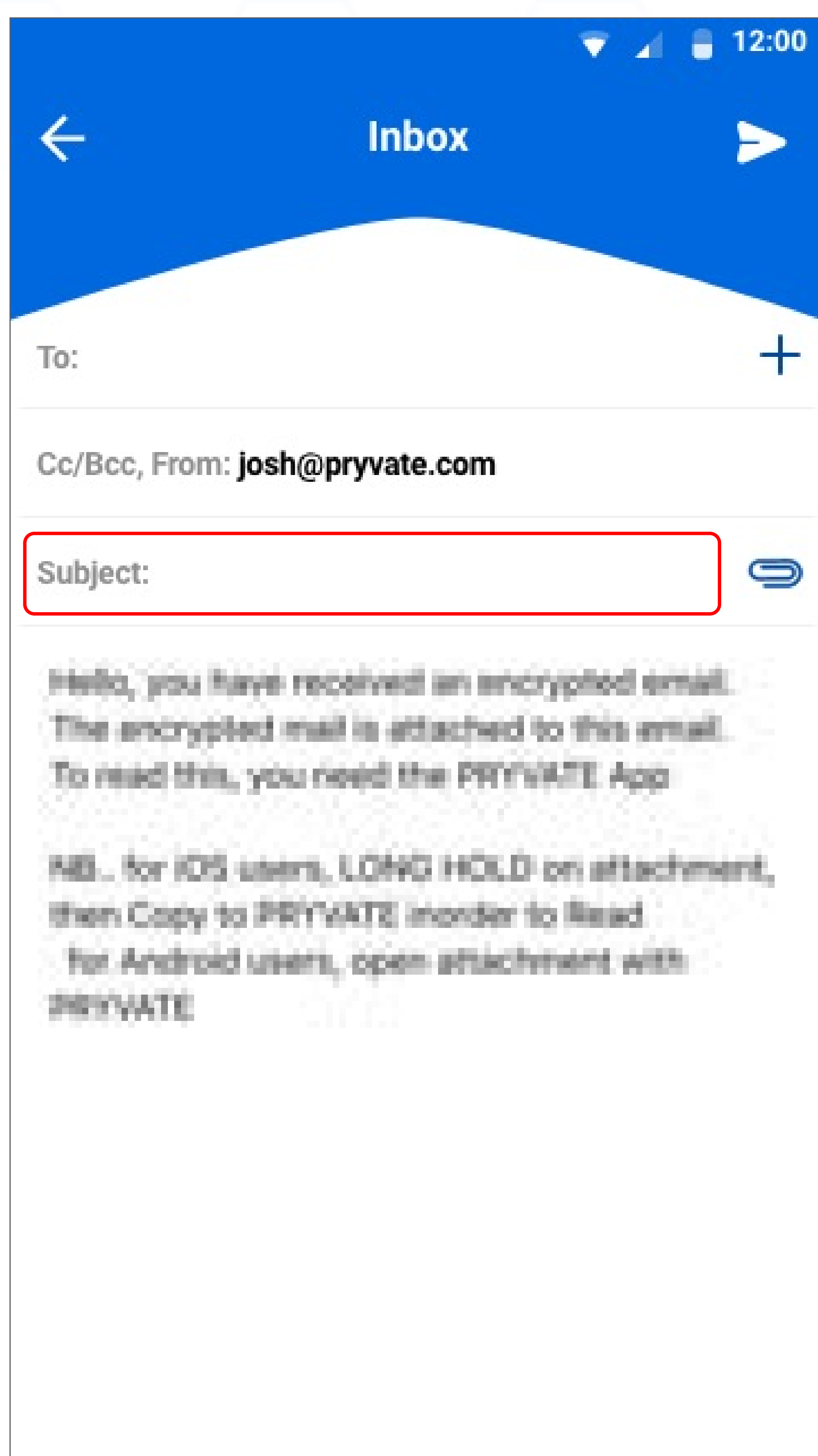


Composing an Email 47

Once logged in, you can compose an email by pressing the compose icon  Enter the recipient's email address and type your message below. Once you have completed the message, press the paper airplane symbol to send it 

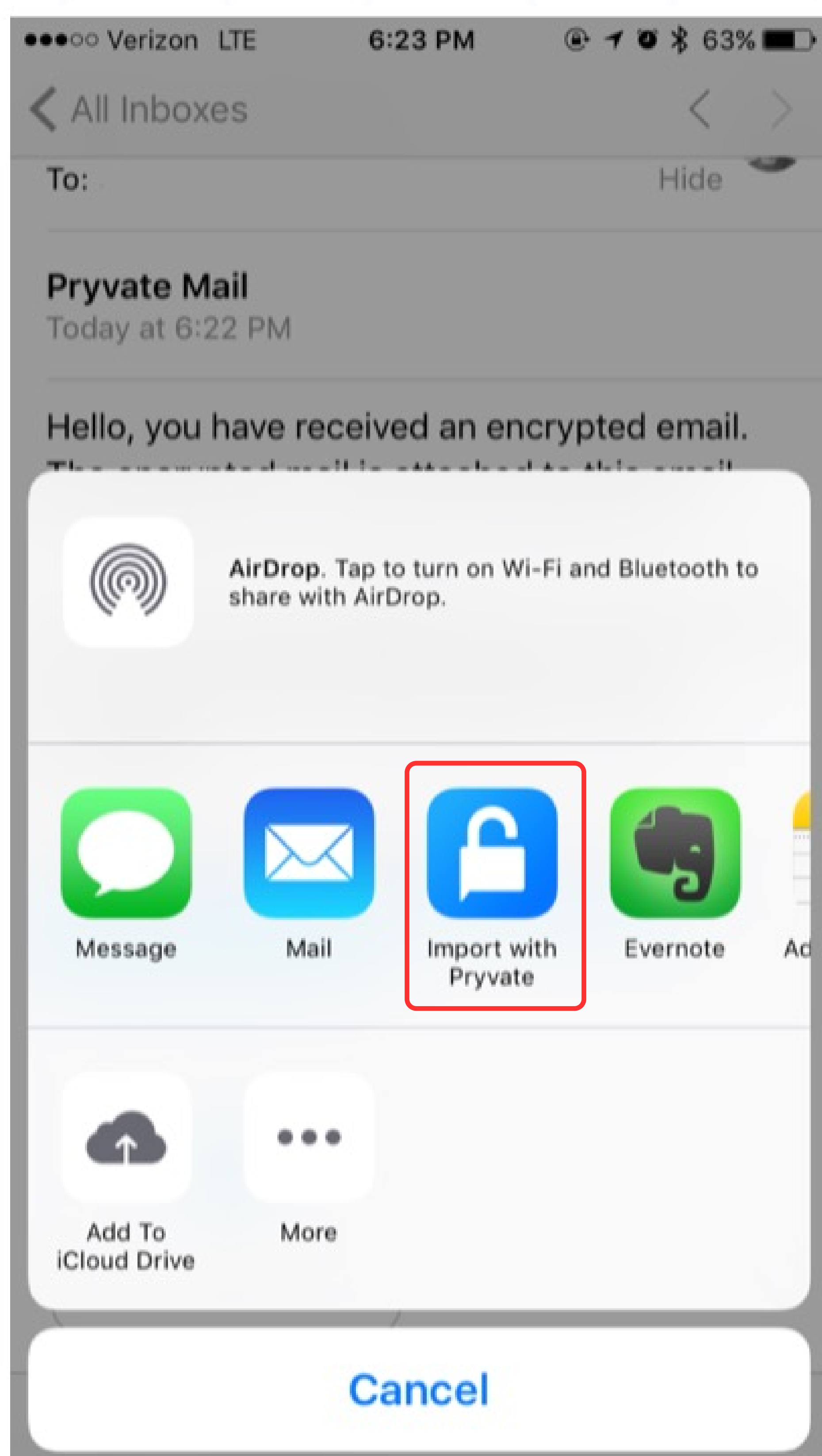


The sent email will be encrypted and appear in your normal email client as an attachment. To read it you will need the Pryvate app installed.



You may add a subject line, as usual, and include instructions on how to read your encrypted email with the Pryvate app.

To read an encrypted Pryvate email, click on the attachment and select “Import with Pryvate” on iOS or “Open with Pryvate” on Android.



Once you have read your message you will be given the option to save it. If you do not save your message but want to read it again, you can just re-click the link in your normal email client.



Pryvate

Powered by Criptyque