

Android - Quick Start Guide - Professional Edition

PrivateWave

Quick Start Guide for Android

This guide provides you easy step-by-step instructions to help you get started with PrivateWave Enterprise.

Secure calls with PrivateWave

Calling with PrivateWave is a very easy task. You can both use your **contact list** or directly dial a number using the **dialpad**.



To make a secure call, you and the called party must have PrivateWave software running on the mobile device, be **connected to the Internet** and to the **same PrivateServer**.

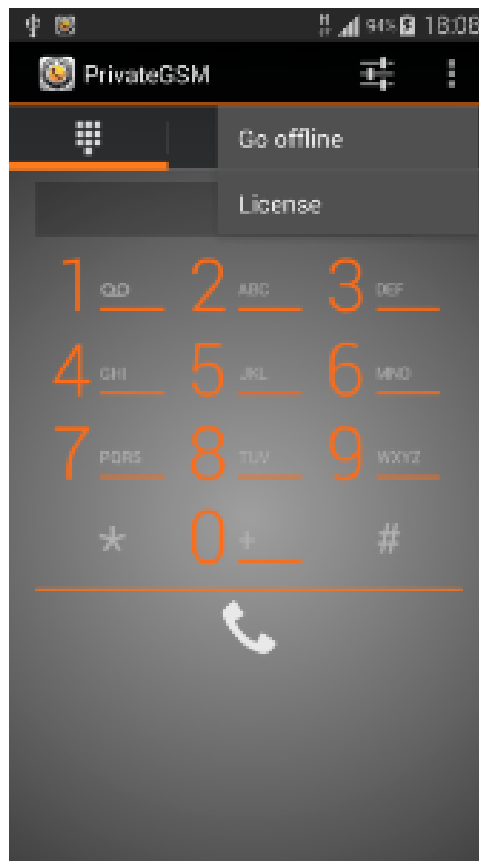


figure 1. Main view

Select **Contacts** tab from the tab bar, tap on the contact you want to call and select the contact number associated with PrivateServer.

Calling by Contacts list

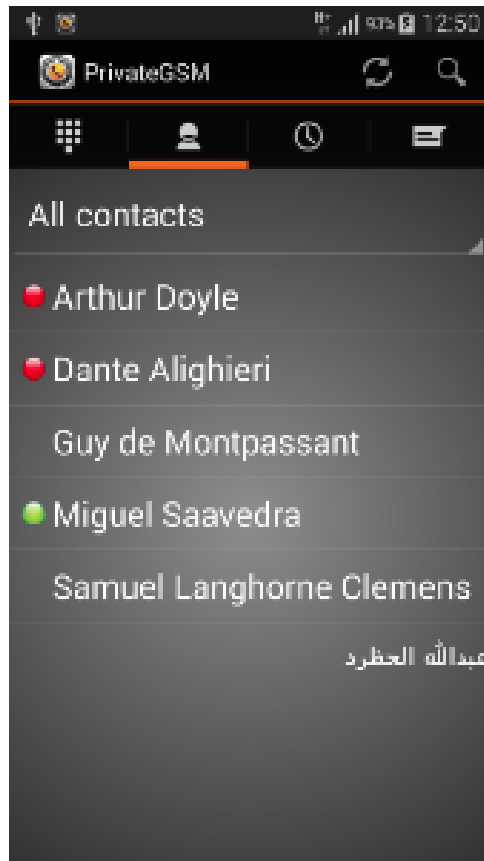


figure 2. your address book is shared with application

As you can see in [figure 2. your address book is shared with application](#) each contact can show a coloured ball at its left, or nothing at all. These are status marker and they represent the **Presence Status** for each contact.

Presence

The **Presence** avoid users to call contacts who are not reachable, eg: because they do not have PrivateWave activated and/or connected. The main value of this feature is to improve user experience suggesting the possible outcome of a call.




Contacts lists

PrivateWave gives you access to three different kind of lists:

- **ALL**: it lists all the contacts which are in the mobile address book, ordering them in the very same way.
- **KNOWN**: it shows only known contacts (registered or not) according to PrivateServer 's knowledge. This means it is a list of the contacts that are recognised by the server and thus can have a status.
- **FAVOURITES**: it reads the contacts marked by you as " PrivateWave favorites". It's a selection of contacts you choose to have apart, in order to make speed calls.

Each list may show a **Contact status** beside each contact. The contact status legenda is shown below:

Contact status

	Online	The contact is reachable. You can make a secure call to the user.
	Offline	The contact is not reachable, because is not under network coverage or is offline. You can try to make a secure call but the call will likely fail
	Error	There is a communication error between your phone and the server. The contact status is unknown, anyway you can try to make a secure call

Calling by dialpad

You can make a secure call to any arbitrary number (presuming that the call peer has PrivateWave connected) from PrivateWave menu by simply entering the number with the on-screen keypad and pressing the dial (green) button.

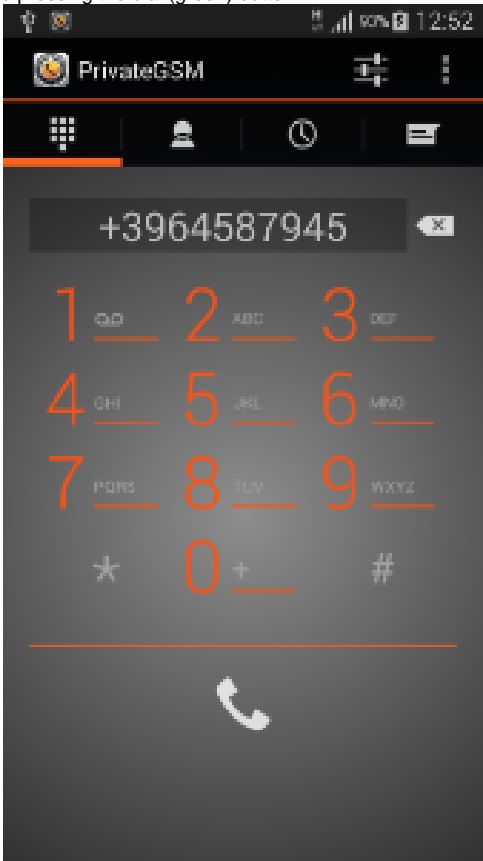



figure 3. Application dial pad

Receiving a secure call with PrivateWave

Once PrivateWave is installed and all the settings are correctly configured on your device you are able to receive a secure call. When a secure call arrives to your device a notification bar will be shown on the top of the screen. Tap on the notification to bring the application in foreground, then answer or decline the call from the application. After the system have exchanged and verified the security keys the you can start the conversation.

 To receive a secure call, PrivateWave has to be running and be **connected to the Internet**.

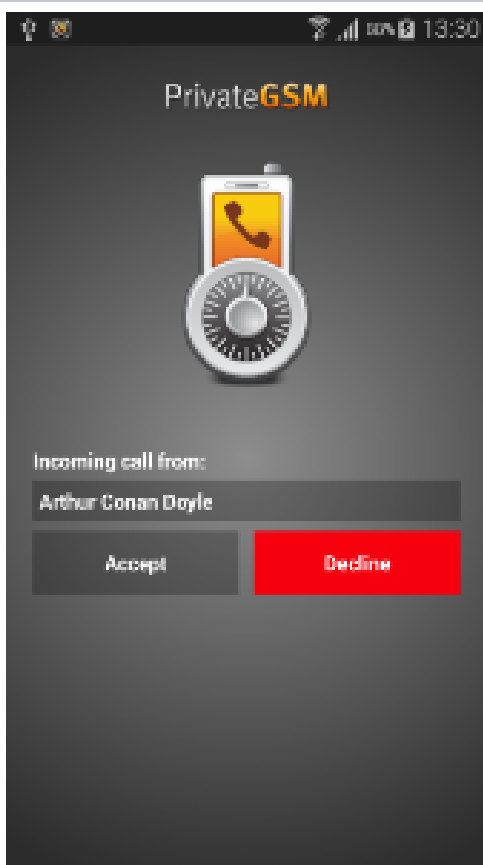


figure 4. you are receiving a secure call

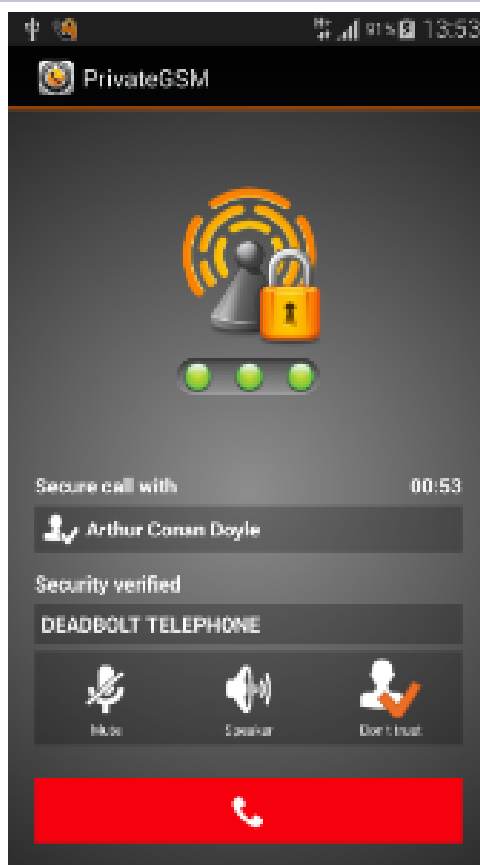


figure 5.

Checking call security

PrivateWave call **is always encrypted**. To check that nobody is intercepting the call, you must verify the security verification words with you remote party. After the call has been connected PrivateWave displays the same two security verification words at the bottom of the screen to both parties. If both of you and your contact see the same **security verification words** then the call is secure. The security verification words are **different each time** you make or receive a secure call. If the words are not the same hang up the call immediately as this may be a sign of a security attack.

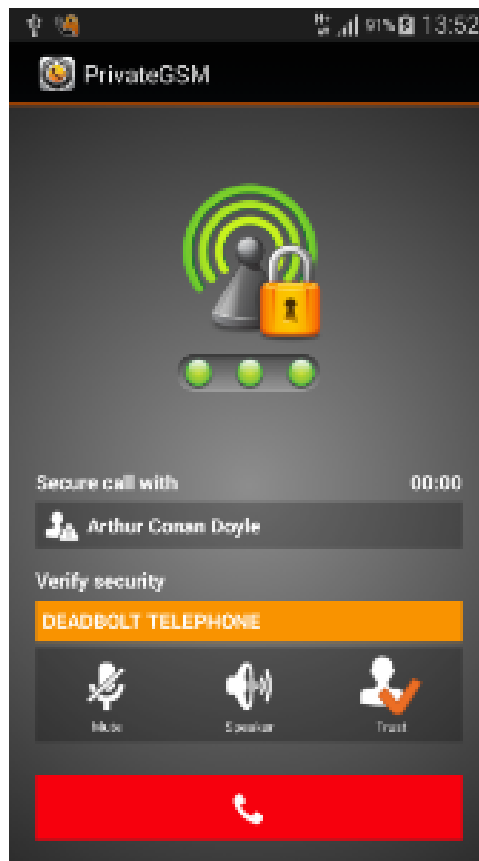


figure 6. security verification words

Call status

To establish a call PrivateWave completes three phases shown by two icons:

Call status icons

	Red light	Starting the connection	Connection not yet established. This step may take several seconds
	Yellow light	Key exchange	Connection established: encryption keys are being exchanged.
	Green light	Secure call established	Connection established and secure. You can now speak securely

Inviting your contacts

Using your address book, **you can invite your contacts** to join PrivateWave .

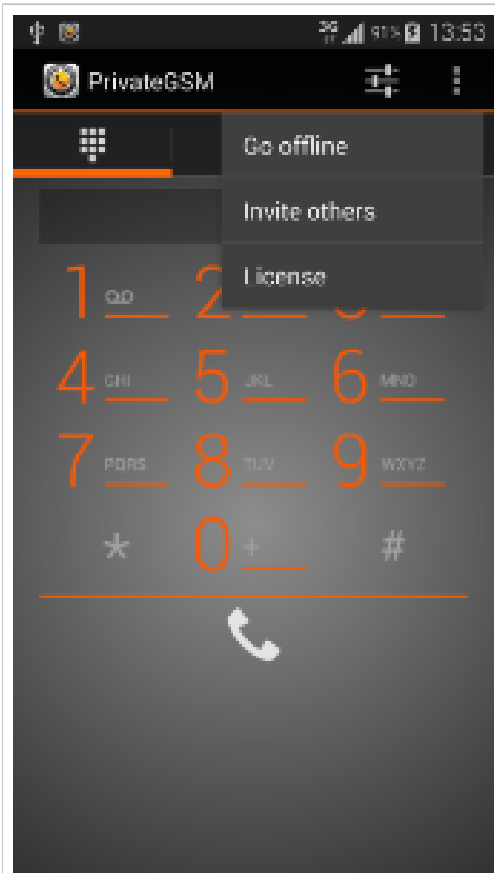


figure 7. Select "Invite others";

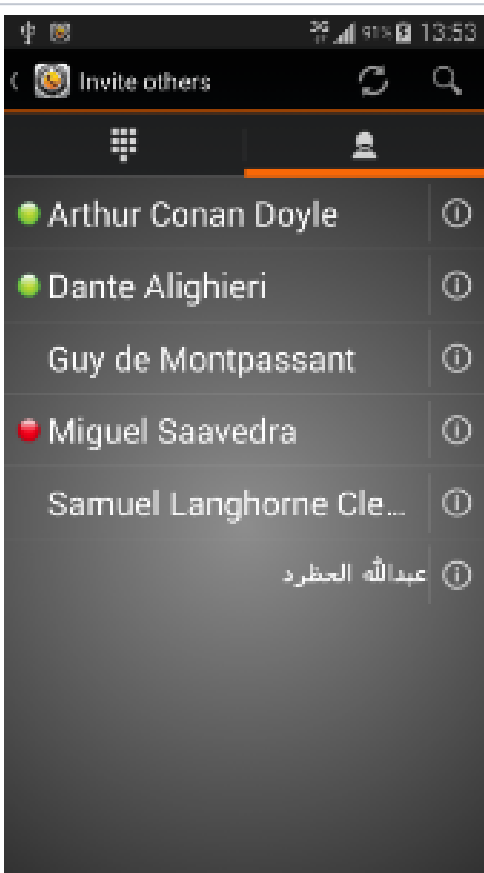


figure 8. choose from your address book

Open PrivateWave [figure 7. Select "Invite others"](#); select "Invite others" from the option menu and choose the contacts to whom you want to make secure calls. They will receive a **text message** including the **installation link** so they can also install PrivateWave . You can also enter manually the phone number using the dialpad

History

Every event performed or received on your PrivateWave is listed into the "History" tab, which can be displayed by pressing "Recent" icon on the tab bar.

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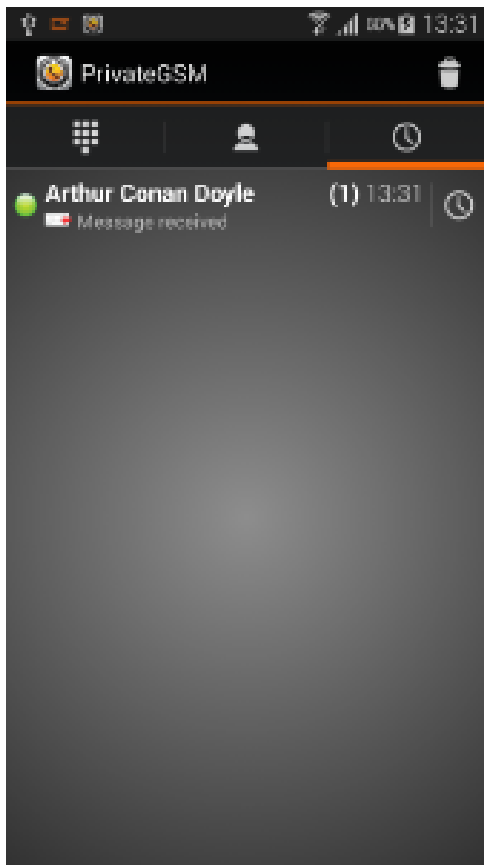


figure 9. recent event list



figure 10. event detail icon

Each event has a detail icon (the clock that ends each event line shown in [figure 10. event detail icon](#)).

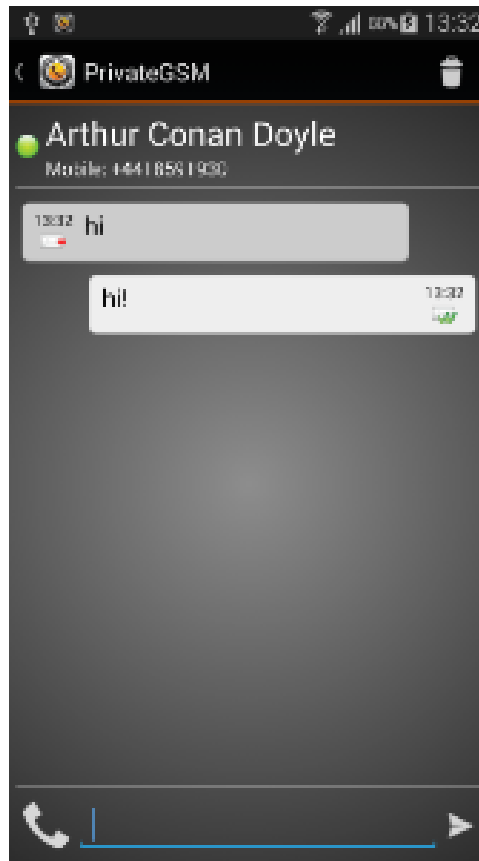



figure 11. event detail

By clicking on this icon you have access to event's details (cfr [figure 11. event detail](#)).

Secure Messages

You can communicate with your peers by text messages using the **Secure Messages System** which provides **Secure Messages**. A **Secure Message** is a text message that travels into the same encrypted architecture of the Secure Call.

 The maximum length of a single message is 160 character

Secure Messages rely on the very same security infrastructure the voice calls do. Plus for security each Secure Message is blanked 15 minutes after it's been read or sent.

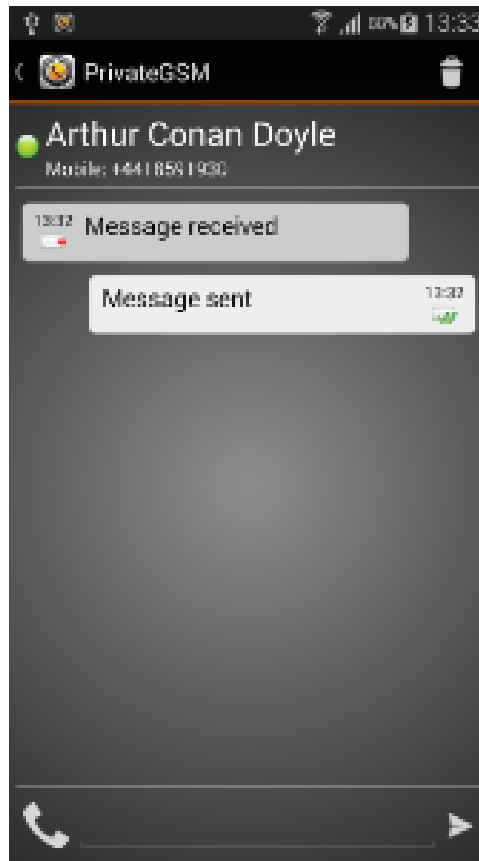


figure 12. blanked secure message



Secure Message System need specific abilitation. If the service is not available on your device please contact your support team to check it's enabled on your account.

Sending Secure Messages from "History" tab

Secure Messages are available via "History" tab, going into the detailed view: [figure 11. event detail](#).

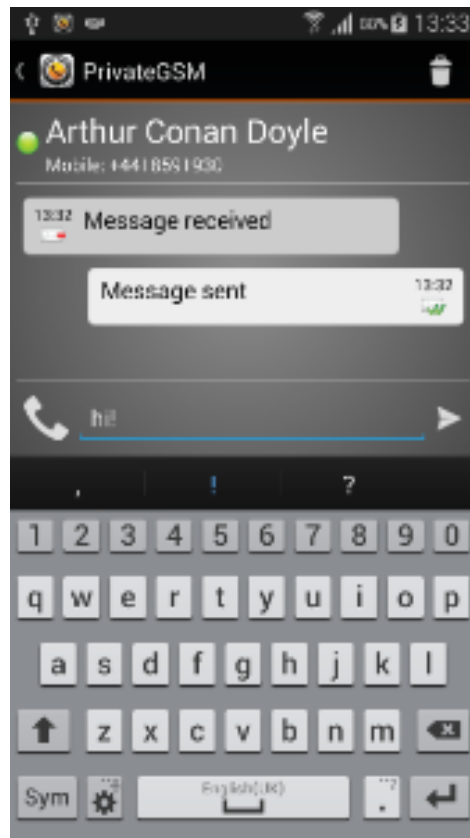


figure 13. type a new Secure Message

Using interface shown in [figure 13. type a new Secure Message](#) you can type text messages and send them to your party by pressing the "Send" button (the one on the right side of the text box in [figure 13. type a new Secure Message](#)).

Sending Secure Messages from "Contacts list" tab

Secure Messages are also available from "Contacts list" tab.



figure 14. contact's details icon

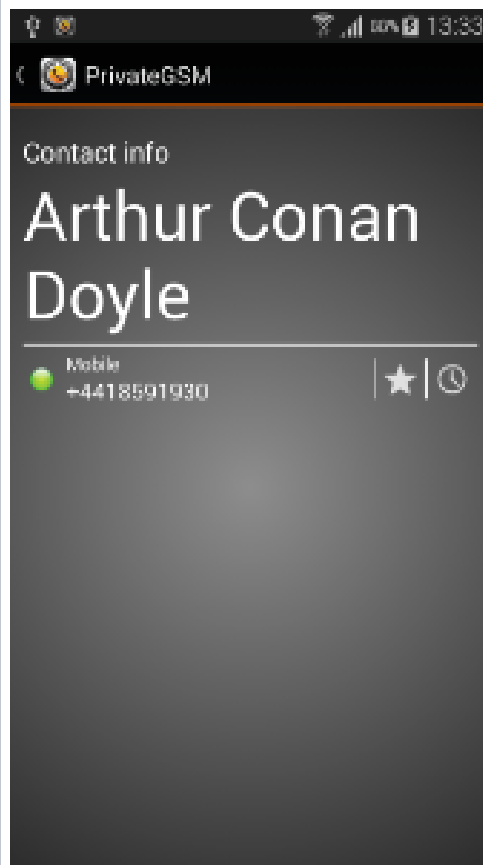


figure 15. contacts list tab

You have to select an account from the list shown in [figure 2. your address book is shared with application](#) and show its details by clicking on "detail icon" displayed on its right side (see [figure 14. contact's details icon](#)).

Then you get general contact (shown in [figure 15. contacts list tab](#)).

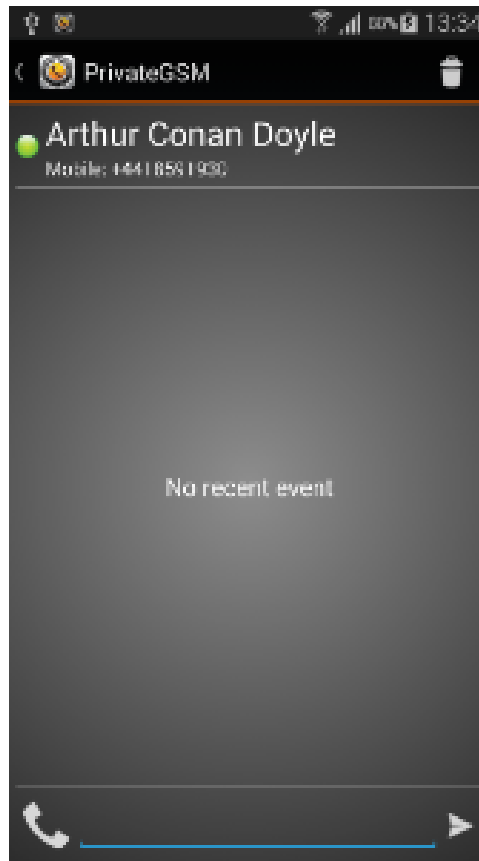


figure 16. contact's communication view

Once you choose which phone number of the account you want to send Secure Messages to, then you have to press on "clock icon" ([figure 10. event detail icon](#)) to get the view shown in [figure 16. contact's communication view](#). In this view you can type your message.

Secure Messages status icons and known limitations

Each Secure Message is displayed with an icon showing its status. Most important icons are:

Icon	Meaning
	Sending Message
	Message Delivered
	Error sending Message

There are few known limitations in the current Secure Message System:



Actually it's not possible to use Secure Messages in order to chat with multiple people (ie it's not possible to create chat rooms).



Please note that the body of each Secure Message you send or receive will be deleted after 15 minutes you read or wrote it.