

## Interactions with standard GSM voice calls

1. **Accept the voice call:** since this channel takes priority over VoIP, the secure call will be automatically hung up.
2. **Refuse the voice call:** the VoIP call remains connected and you can continue the secure conversation.

1. Eavesdropping by surveillance bugs placed in your home, in the office or in your car.
2. Eavesdropping by long distance directional microphones or laser microphones.

1. GSM mobile phone locators
2. GPS locators

We suggest you to consult a security expert to protect yourself against these type of threats.

No perceivable audio problems of a PrivateGSM secure call were demonstrated in tests conducted driving on a highways at 150 km/h.

- **Full Internet access:** supports all transmission protocols and *required by PrivateGSM*
- **WAP/MMS access:** *not appropriate* for PrivateGSM.



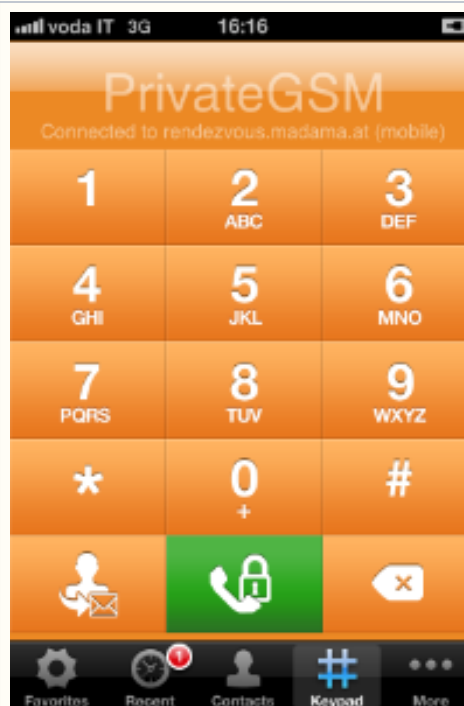


#### Note

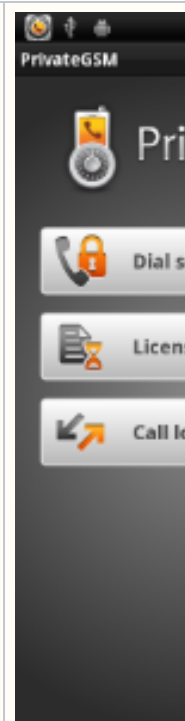
To check your mobile phone network, check the symbol next to the signal bar:



1. EDGE network



2. 3G network



3. 3.5 G network (H)



#### Suggestion

Use Wi-Fi when available. There are no additional costs and call quality will be definitely better.

## Data plan rates

PrivateGSM secure calls use an Internet connection and data traffic will be charged by your mobile service provider. The exact costs depend on the contract with your mobile service provider. To receive secure calls, PrivateGSM has to keep an Internet connection open. You should therefore choose a rate that lets you **stay online as long as you need** to receive and make secure calls (i.e.: 24/7, or business hours).



#### Suggestion

We suggest you consult your operator to set a flat rate tied to your connection needs.



#### Note

When using PrivateGSM abroad, be sure to have a data traffic plan that allows you to control your costs.


## Disadvantages of a limited traffic plan

#### Traffic plan limited in data

When PrivateGSM is running but no secure call is active, it still keeps alive a connection to the server. On average, PrivateGSM uses a total of 2MB per month even when you do not call securely. A secure call uses data traffic between 100kbyte and 200kbyte per minute. So 1MB of Internet traffic is enough for a minimum of 5 to a maximum of 10 minutes of secure conversation.

<b>Traffic plan limited in time</b>	As PrivateGSM has to maintain a continuous connection to the server and these type of data plans are billed based on the connection time, these plans can create unaffordable costs and they are not recommended for PrivateGSM.
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## Differences between secure and standard calls

<b>Delays in establishing a connection</b>	To establish a connection with the called party, PrivateGSM needs from 5 to 60 seconds based on the Internet connection quality of the caller and called parties.
<b>Audio delay</b>	Unlike standard calls VoIP secure calls may be subject to an audio delays from 1/5 of a second to a maximum of two seconds. This depends on the underlying technology of the data transmission network. The better the connection, the smaller will be the audio delay.
<b>Different ringing tone</b>	PrivateGSM secure calls use different ringing tone than standard calls (not customizable).
<b>Battery life</b>	<p>Internet connection may lower the battery life of the mobile device. Average battery consumption may increase from a minimum of 5% to a maximum of 35% based on the type of network used by the Internet connection.</p> <div>  <b>Note</b>  A Wi-Fi network consumes more than a 3G network. A 3G network consumes more than a 2G network. </div>