BITBYBIT

Atbash

User manual

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Introduction

Security and privacy is becoming an increasing concern as every aspect of our lives becomes digitised and available for anyone online to see. Atbash is a simple messaging service that aims to resolve privacy concerns in terms of simple communication. It provides a user with the feeling of security knowing that their messages are secure and hidden from any prying eyes. Only the user has control over who can see their messages and not even Atbash itself can read them. This manual provides all the steps needed to ensure that you as a user are able to secure your life in a private manner and in the correct way.

Who can benefit from Atbash?

Anyone and everyone can benefit from Atbash. It is a service that provides the user with all the control and is for anyone who wants complete control over their online messaging to gain the privacy they need.

Key features of Atbash

- User friendly design on mobile devices
- Completely private messaging capabilities
- End-to-End encryption
- No long-term storage of messages on any external servers
- Secure storage of users details
- Easy to use
- Privacy

Requirements

Minimum requirements

In order to run Atbash some minimum specifications need to be met.

IOS

IOS 10.0 or later
Minimum 100MB storage space

Android

OS 4.1 or later
Minimum 100MB storage space

Getting started

Downloading the application

To get started, you must first download the Atbash application.

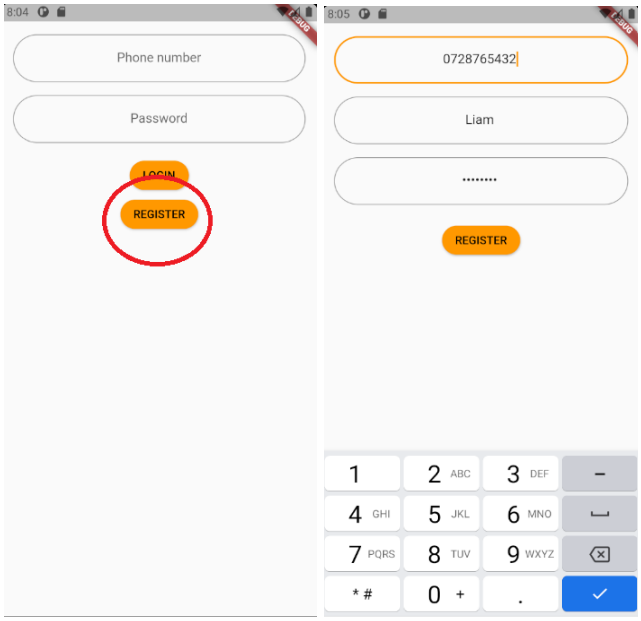
1. Open your relevant mobile store. Appstore on IOS and Google Play on Android.
2. Search for “Atbash” in the store.
3. Click the download button.
4. When prompted to authenticate yourself, do so.
5. The app will now be installed on your home screen.
6. Open the app to begin.

Registration and Login

Atbash requires the user to create and account with their phone number in order to access our services. This is a basic requirement for all messaging applications.

Registration

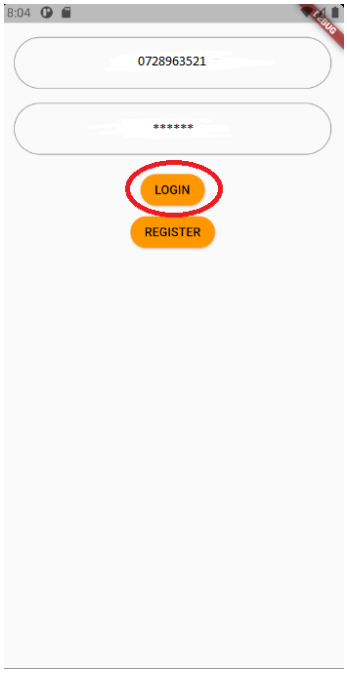
If you are a new user, a new account will need to be registered to access Atbash.



1. Click on the register button.
2. You will be taken to the registration screen.
3. Enter a valid and unique phone number and a valid password for your account.
4. Enter the display name you wish your contacts to see you as. (This can be changed.)
5. Click the register button.
6. If registration was successful, you will be returned to the login screen. If the registration was unsuccessful, an appropriate error message will be given and steps 3-6 must be taken again.

Login

In order to use Atbash, you must be logged in with a valid phone number and account. Atbash will only prompt the user to login once unless the user chooses to require login every time in settings.



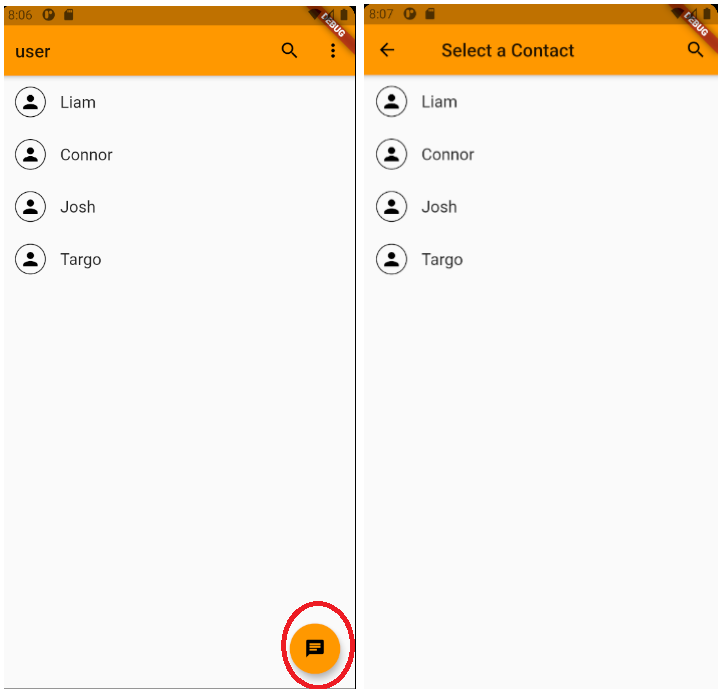
1. Enter your phone number and password in the prompts given.
2. Click the login button.
3. If login was successful, you will be taken to your home page in Atbash. If login was unsuccessful, an appropriate message will be displayed and the user may try again. Only three attempts to login will be given before the account will be locked.

Adding contacts

Contacts are necessary to begin messaging.

Contact list

On startup, the application will request permission to access your contact list. This is to allow the user to be able to start messaging all their current contacts straight away.



1. On first successful startup and login, when a prompt appears to allow Atbash to access your contacts, press yes.
2. If you choose not to allow Atbash to use your contacts, then you will have to manually add their phone numbers.
3. If you would like to add a contact after automatic addition, then click on the new contact button.
4. Select the option to add a new contact from your contacts list.
5. Select the contact you wish to add from your contacts.
6. The contact has now been added to Atbash.

New numbers

If you would like to add a user not already in your contact list or would like to add a user from their number then additional steps will need to be taken.

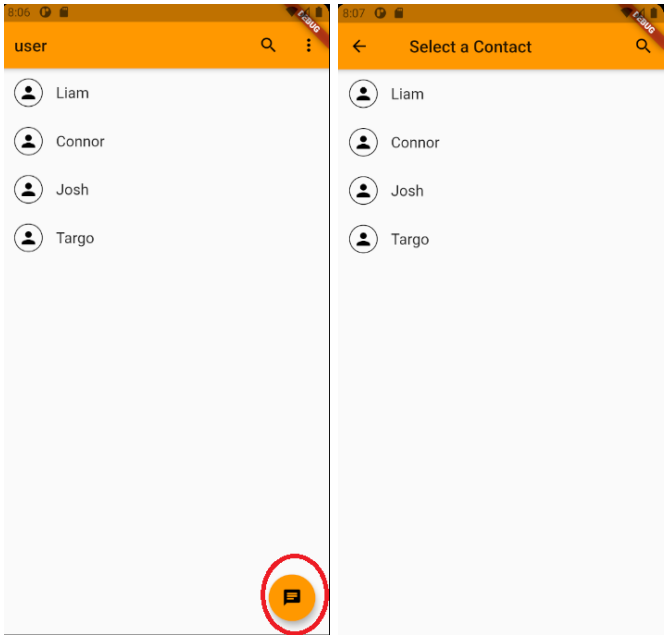
1. Select the new contact button. You will be taken to the contacts screen.
2. Select the option to choose to create a new contact by phone number.
3. Enter the number of the new contact.
4. If successful, the contact will now be added to Atbash.

Starting chats

In order to speak to people a chat has to be created with them.

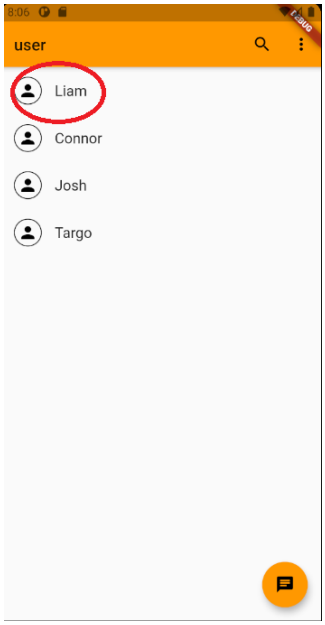
New chat

If you do not have a chat with a contact and wish to message them these steps need to be taken.



1. From the home screen, click on the contacts button.
2. Select the contact you wish to create a chat with.
3. You will be taken to a new chat page with the requested contact.
4. The contacts chat will now appear on your home screen for easier accessibility.

Access an already created chat



1. From the home screen simply select the chat of the contact you wish to speak with.
2. You will be taken to the respective chat screen.

Create a private chat

Atbash has the functionality to create a chat that will delete itself after a selected amount of time.

1. Select the “new private chat” button.
2. Specify the settings you would like for the chat.
3. A new private chat will be created with the specified settings.

Group chats

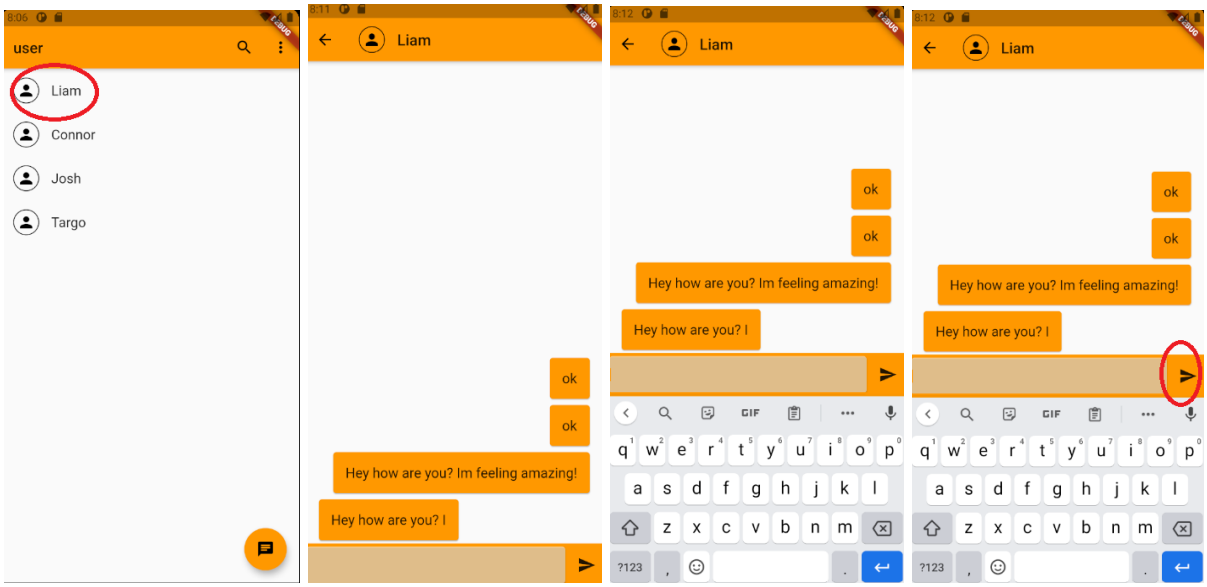
Atbash allows private and encrypted messaging in groups too.

1. Select the “new group chat” button.
2. Enter the name and details of the new group.
3. Select a profile picture for the group if wanted.
4. Add at least one other contact in order to create the group.
5. Click the “Create group” button.
6. You will be taken to the group’s chat screen if successful. If it is not successful an appropriate message will be displayed.

Handling messaging

Messaging is the core functionality of Atbash. It does this using advanced security and is essential to every user.

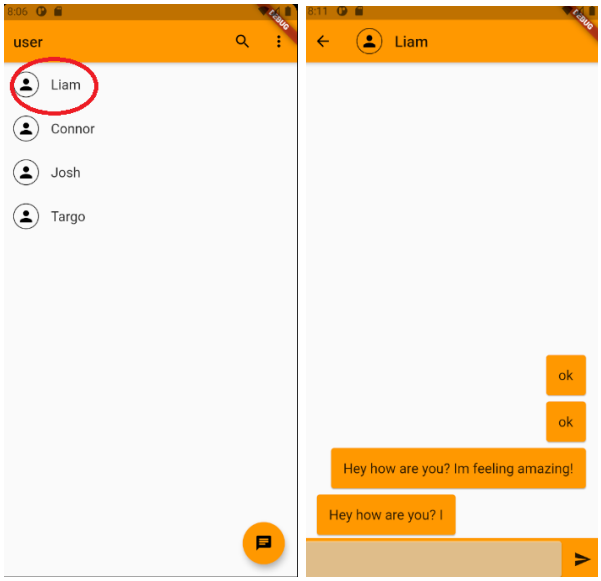
Sending messages



1. Select the chat with the person you wish to send a message to. You will be taken to their respective chat screen.
2. Click on the input field at the bottom of the screen.
3. An input box will appear with a keyboard.
4. Input the message you wish to send.
5. Click the send icon on the top right of the input box.
6. The message will be sent.
7. If you wish to send an attachment such as an image, select the respective input icon in the input box and select the file to attach.
8. Send the file as you would a normal message.

Receiving messages

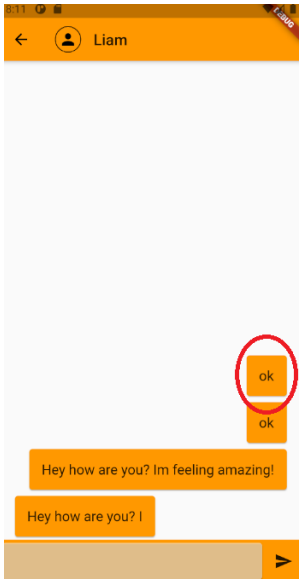
The Atbash system will notify you of a message being received by use of push notifications.



1. To read the received message, select the respective chat from the home screen.
2. You will be taken to the respective chat screen from which their message and your entire chat history will be displayed.

Deleting messages locally

Sometimes it is beneficial to delete a message that you do not wish to see without deleting it for the other person.



1. Open the respective chat from the home screen.
2. Hold down on the message you wish to delete for 2 seconds.
3. The message will be deleted for you. However, the contact you are speaking to will not have it removed.

Managing your account

Atbash offers the user the ability to manage their account details. This includes account details such as your password, vanity effects such as your display name and profile picture as well as personal settings such as your theme and privacy settings.

Change phone number

Changing your phone number is only possible if you have inserted a sim card with a new appropriate number.

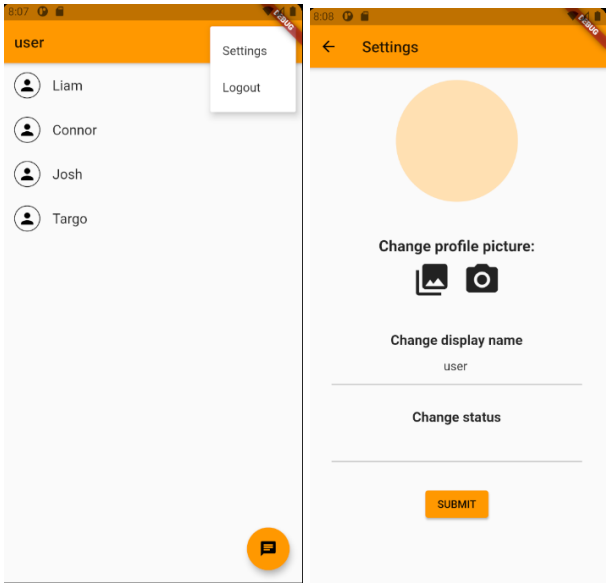
1. Click on the profile icon to access your profile page.
2. Select the option to change phone number.
3. If a different number is detected from the current account's one, you will be logged out and requested to login or sign up with the new number.
4. If you do not have a different number, you will be denied the ability to change your phone number.

Change password

Changing your password is available for if you wish to update your security and we recommend changing it at least once a month.

1. Click on the profile icon to access your profile page.
2. Select the option to change your password.
3. You will be prompted to enter your current password.
4. If successful, you will be prompted to enter a new password. If unsuccessful, you will be denied.
5. Enter your new password and click save.
6. You will be logged out and will have to login again with your new password.

Change profile picture and status



Everyone is unique and wants to express themselves. We give the user the ability to show this by changing their display name, status and profile picture.

1. Click on the profile icon to access your profile page.
2. Select your profile icon to change your profile picture.
    2.1. Select to take a new photo or an existing one.
    2.2. Select the photo you wish to choose.
    2.3. Confirm the correct orientation of the photo to save it.
3. Select your display name to change it.
    3.1. Enter the new display name.
    3.2. Click on save changes to update your display name.
4. Select your status to change it.
    4.1. Enter your new status.
    4.2. Click on save changes to update your status.

Settings

Additional user specific settings can be set such as your privacy and notification settings as well as the ability to choose your preferred theme.

Change privacy settings

Privacy is of utmost concern so we provide some options to assist you in feeling more secure.

1. Click on the profile icon to access your profile page.
2. Click on the settings button to access your settings.
3. Select privacy options.
4. Select and deselect which settings you wish to have.
5. Click the save button to save these settings.

Notification settings

Notifications are important for a messaging application but we understand they can become annoying. These settings will allow you to adjust your notifications to your desired result.

1. Click on the profile icon to access your profile page.
2. Click on the settings button to access your settings.
3. Select notification options.
4. Select and deselect which settings you wish to have.
5. Click the save button to save these settings.

Change theme

Your theme describes who you are as a person. That's why we give you the ability to change it.

1. Click on the profile icon to access your profile page.
2. Click on the settings button to access your settings.
3. Select the theme option.
4. Select which theme and colours you prefer.
5. Click the save button to save these settings.

Final thoughts

Closing message

The Atbash application is designed with security and privacy in mind. This user manual should assist the user in achieving their own personal goals and applications for wanting a secure and private messaging application. We hope you enjoy Atbash and the services it provides.

About Atbash

Atbash is a private and secure messaging application developed by BitByBit and Amazon Web Services.