

EasyAccess for Android

User Documentation

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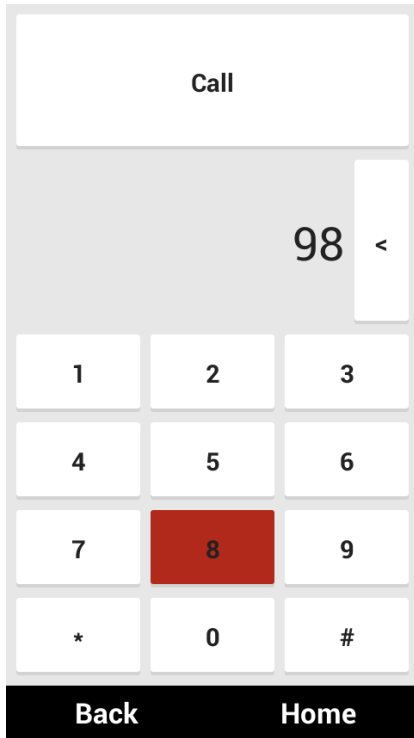
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1.0 Phone Dialer

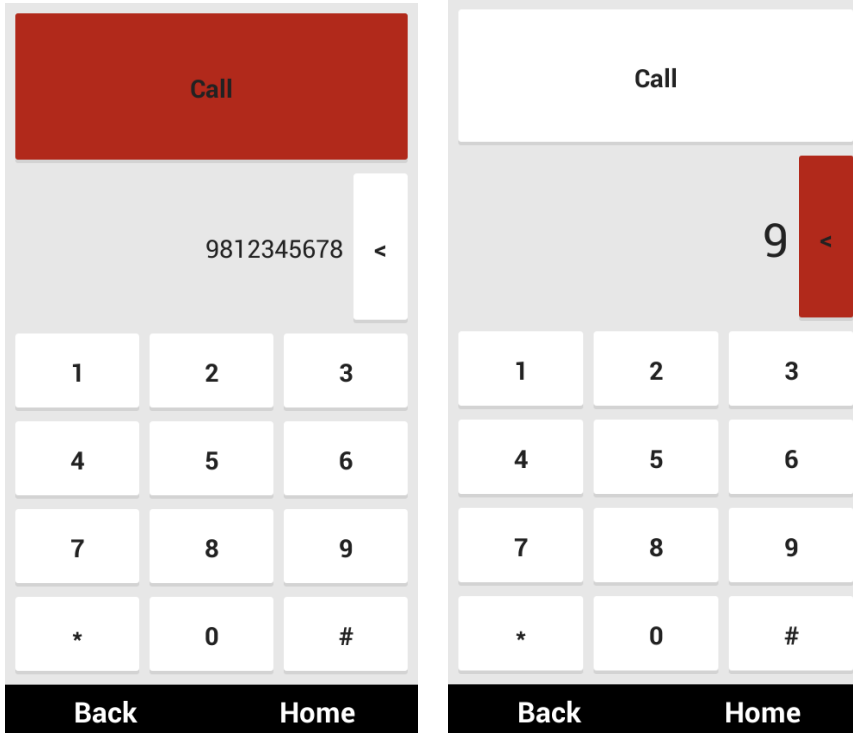
Phone Dialer	Call Log
Text Messages	Contacts
Status	Settings

Phone Dialer is used to dial a number and make a call, and to receive a call.

1.1 Making a call



The screen consists of buttons that the user can use to dial a number.

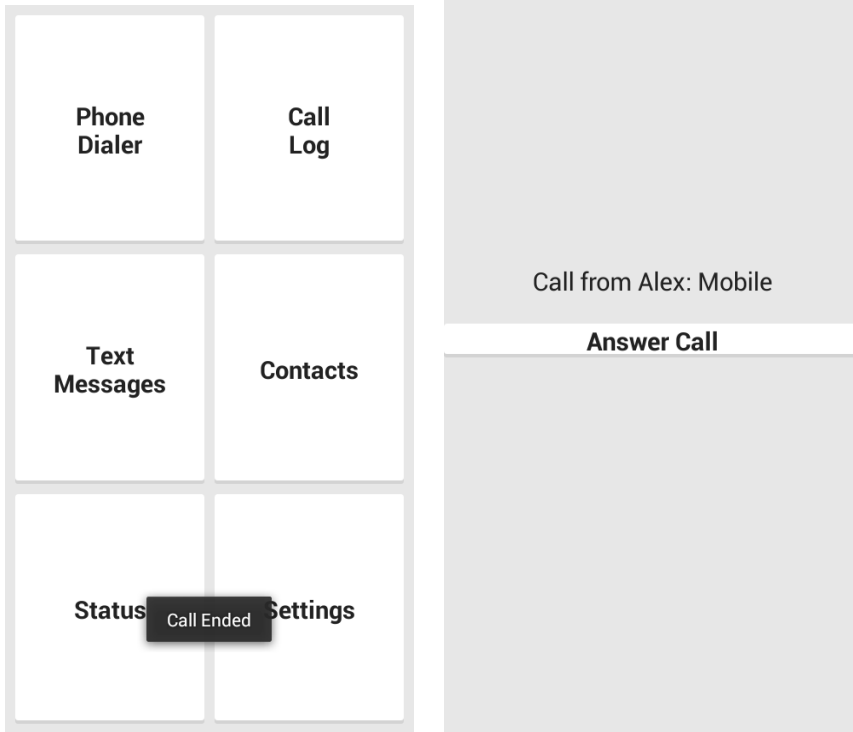


A delete button with caption < is used to delete the digits entered by the user. After dialing the number, the user can press the **Call** button to make a call. If the call could not be made, the reason for the same is displayed on the screen.

In order to call the voicemail number, press and hold the digit with caption 1. If a voicemail number has been added, the number will be displayed on the screen.

1.2 Receiving/Rejecting/Ending a call

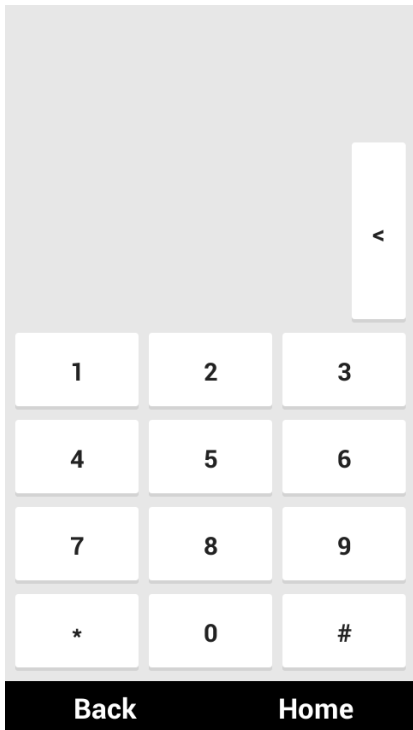
In case of an incoming call, the user can press the volume up button to listen to the name or number of the caller. To receive the call, the user can shake the device. To reject the call, the user can press the power button. Receiving using shaking and rejecting using the power button are possible if the caller screen of “EasyAccess” is displayed on the screen. If the default dialer app is displayed on the screen, these two features would not be supported by the app. This behavior is dependent on the device and the version of Android running on the device.



1.3 Mute ringtone

The user can press the volume down button to mute the ringtone during an incoming call.

1.4 Entering a number during an active call



The user can double tap on the screen to enter a number during the call. The dialer screen without the Call button will be displayed.

1.5 Making a call during an active call

The user can long press (press and hold) on the screen during an active call, to make a new call. The dialer screen will be displayed.

1.6 Activating/De-activating speakerphone

The user can press the volume up button to activate the speakerphone during an active call. The volume down button can be pressed to deactivate the speakerphone.

1.7 Mute/Un-mute

The user can press the down volume button during an active call to mute/un-mute the microphone.

2.0 Call Log

Phone Dialer	Call Log
Text Messages	Contacts
Status	Settings

Call Log is used to display a list of outgoing, incoming and missed calls. It also displays the total duration of outgoing and incoming calls.

2.1 Viewing dialed, received, and missed calls

Out	In	Missed	All	Total Duration
Alex 9812345678 17 August 2014 15:08:09				
Airtel Mobile 123 17 August 2014 15:08:54				
Airtel Mobile 123 17 August 2014 15:08:40				
Airtel Mobile 123 17 August 2014 15:08:22				
Airtel Mobile				

Back **Home**

The tabs **Out**, **In**, and **Missed** will display the list of dialed, received, and missed calls. The name of the contact, the number, and the date and time of call are displayed in the list.

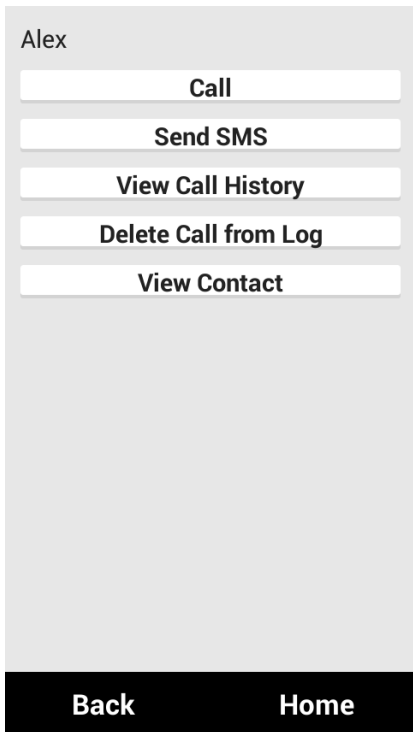
2.2 Viewing total duration of received and dialled calls

Out	In	Missed	All	Total Duration
Total duration of incoming calls: 23683 seconds				
Total duration of outgoing calls: 27129 seconds				

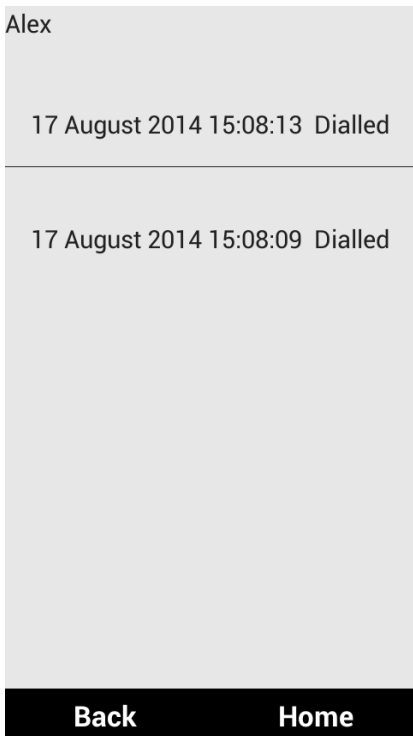
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The user can select the **Total Duration** tab to view the total duration of received and dialled calls in seconds.

Select a call from the list of received, dialled or missed calls to view more options.



2.3 Viewing call history



The user can select **View Call History** to view the calls associated with the selected number. The date and time of the call and the status, i.e., whether it was received, dialled, received or missed, are displayed.

2.4 Making a call

The user can select **Call** to make a call to the selected number. The user will be redirected to the dialer screen.

2.5 Sending a text message

The user can select **Send SMS** to send a text message to the selected number. The user will be redirected to the Text Messages screen.

2.6 Deleting call from log

The user can select **Delete Call from Log** to delete the selected record from the log.

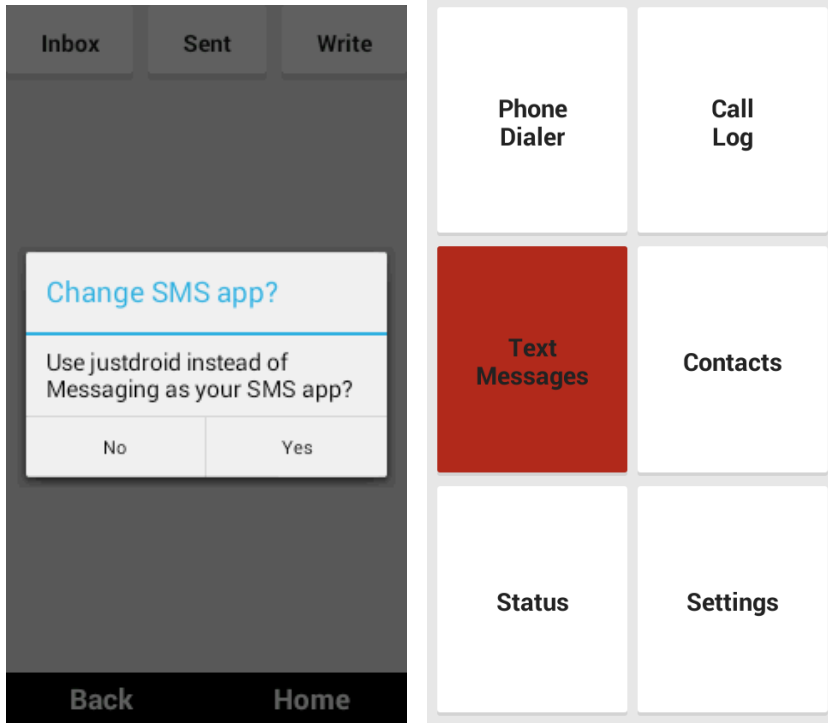
2.7 Adding number to contacts

If the number is not saved in contacts, the user can save the number by selecting **Save to Contacts**, where he/she can enter the details of the contact to be saved.

2.8 View contact details

If the number is saved in contacts, the user can view the details of the contact by selecting **View Contact**.

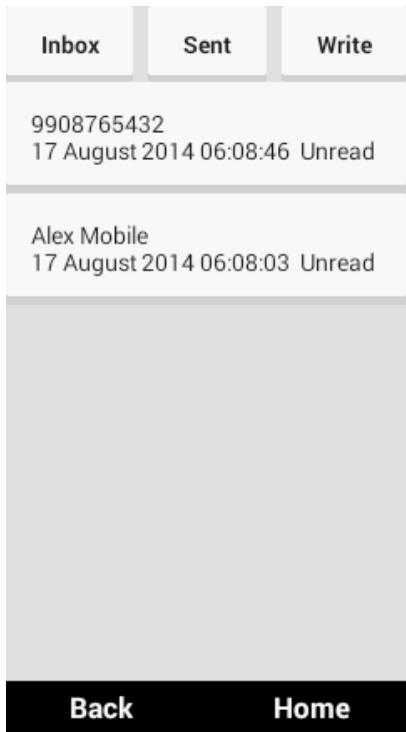
3.0 Text Messages



Text Messages is used to create, read and send SMS. If the device consists of Android Kitkat version or above, when the user selects **Text Messages**, the app will prompt to ask whether Text Messages should be chosen as the default messaging app.

3.1 Viewing the list of text messages in the inbox

The user can view the list of text messages in the inbox by selecting the **Inbox** tab. 5 messages will be displayed in the screen. The previous and next messages can be viewed by swiping left and right, respectively. The name or number of the sender, date and time, and the status of the message, that is, read or unread, are displayed.

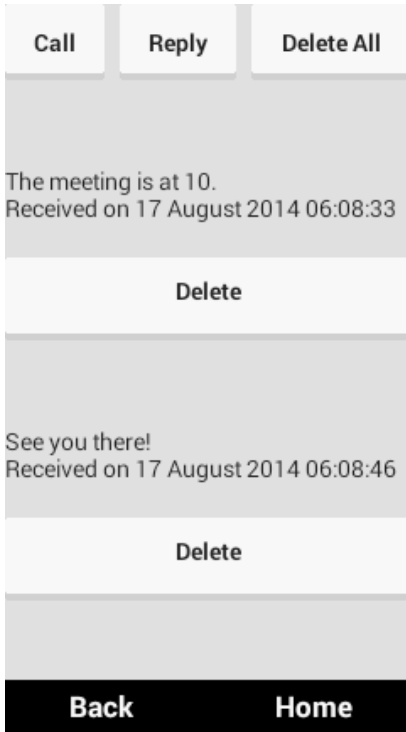


3.2 Viewing the list of sent text messages

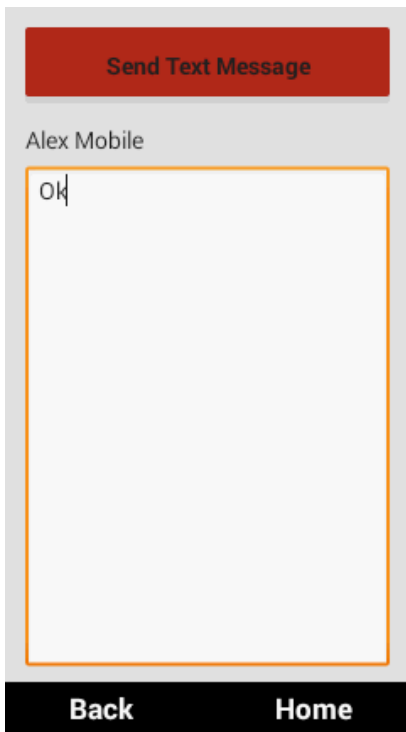
The user can view the list of text messages in the inbox by selecting the **Sent** tab. The previous and next messages can be viewed by swiping left and right, respectively. The name or number of the recipient and the date and time are displayed.

3.3 Viewing a conversation/thread

The user can select a message in the list to view the conversation. The contents of all the messages are displayed with the latest message being displayed at the top. The conversation window has three options: **Call**, **Reply**, and **Delete All**.



3.4 Replying to a text message

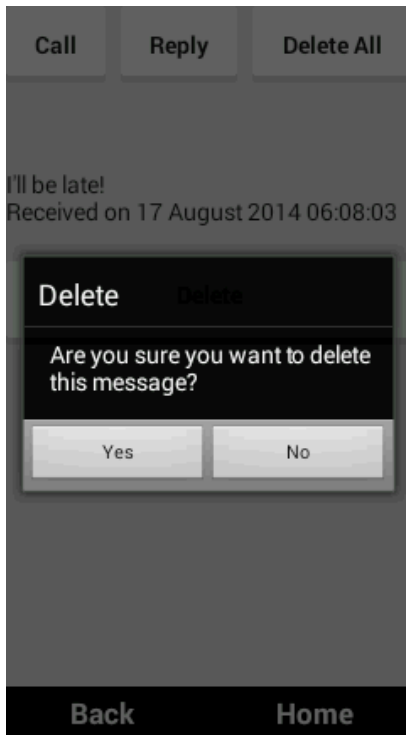


The user can click on the **Reply** button, write the contents of the message and click on **Send Text Message** button to reply to the message.

3.5 Making a call

The user can click on the **Call** button to make a call to the sender/recipient of the message. The app will redirect the user to the dialer app.

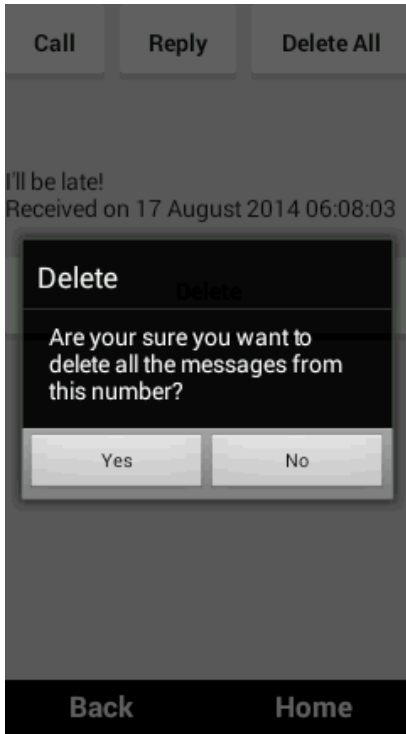
3.6 Deleting a message in the conversation/thread



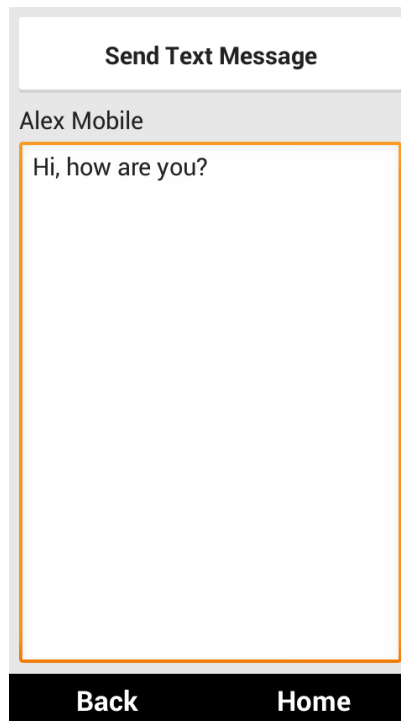
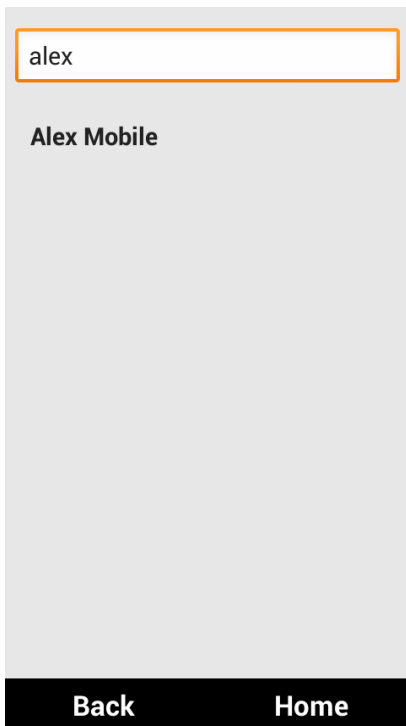
The **Delete** button displayed with each message in the conversation/thread can be used to delete the message.

3.7 Deleting the conversation/thread

The user can click on the **Delete All** button to delete all the messages in the conversation/thread.



3.8 Creating a text message



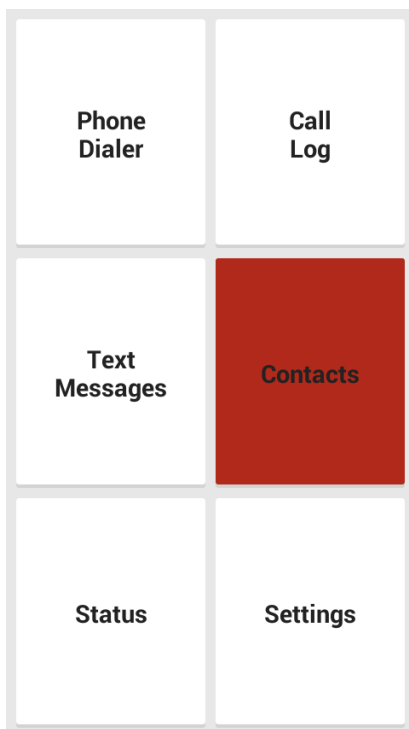
The user can click on the **Write** button in the main window of **Text Messages** to compose a text message. A screen is displayed where the user can enter the number or name of the contact to whom the message should be sent. If the number does not exist in contacts, the user can click on the **Proceed** button to write the contents of the message. On the other hand, if the name or number exists in contacts, the user can select the contacts from the list displayed. After the contact is selected, or the proceed button is clicked, the user can enter the contents of the message and click on the **Send Text Message** button to send the message to the recipient.

3.9 Reading incoming message

In case of a new incoming message, the app will detect it and open the inbox screen, where the user can select the message and view the contents.

4.0 Contacts

Contacts is used for adding a new contact, searching for an existing one, updating an existing contact and to perform operations such as calling, exporting to SD card, importing from SD card etc. The user may also delete an existing contact.

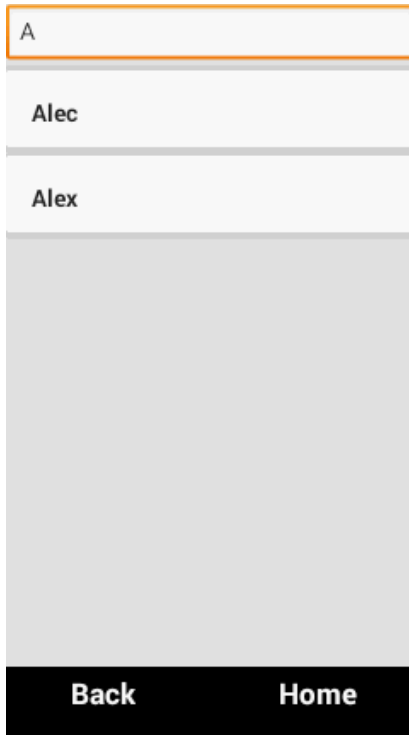


4.1 Viewing the list of contacts

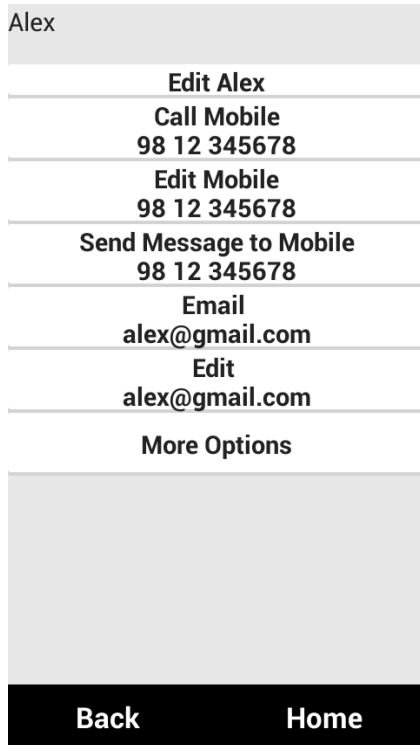
The list of contacts is displayed on the screen when the user selects the **Contacts** button.

4.2 Searching for a contact

The user can enter the name or number of the contact and the list will be updated accordingly.



4.3 Viewing the details of a contact

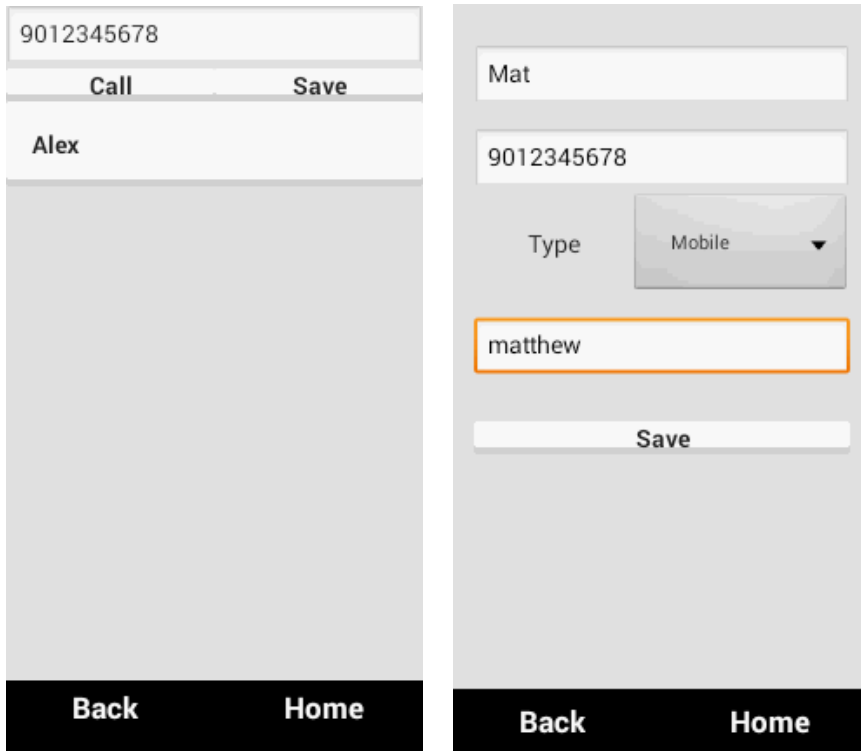


The user can select a contact from the list to view the details associated with the contact. The numbers and types of numbers (e.g. home, mobile) and emails are displayed on the screen. The user can click on **More Options** button to perform operations such as deleting, copying to SD card, importing all contacts from SD card, and exporting all contacts to SD card.

4.4 Making a call and sending a text message to a contact

The user can click on the corresponding button to call or send a text message to the required number. If the user clicks on Call, the dialer app will be launched. If the user clicks on send message, the text messaging app will be launched.

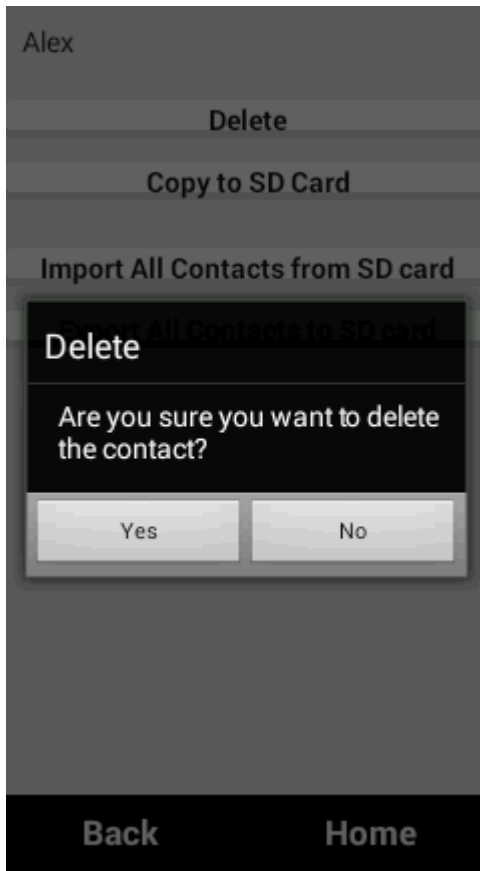
4.5 Saving a number to contacts



If the user has entered a number that does not exist in contacts, a **Save** button is displayed, which can be used to save the number in contacts. The user can enter the name, select the type of number, such as, mobile, home, work, work mobile, home fax, pager. The email ID of the contact can also be saved.

4.6 Deleting a contact

The user can click on **More Options** and click on the **Delete** button to delete the selected contact.

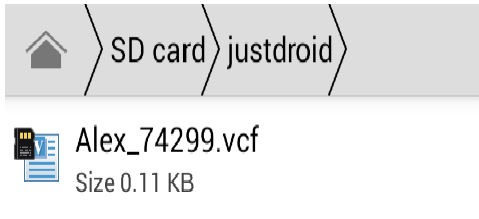


4.7 Editing the details of a contact

When a contact is selected from the list, each number is displayed as a button with text **Edit**. This button can be clicked to edit the details, such as number or email ID. The user can edit the name, number, or email. The email and number can also be set as primary. The user can click on **Update Contact** to save the changes.



4.8 Copying a contact to SD card



The user can click on **More Options** and click on the **Copy to SD card** button to export the contact to the SD card as a .vcf file.

4.9 Exporting all contacts to SD card

The user can click on **More Options** and click on the **Export All Contacts to SD card** button to export all contacts to the SD card as .vcf files.

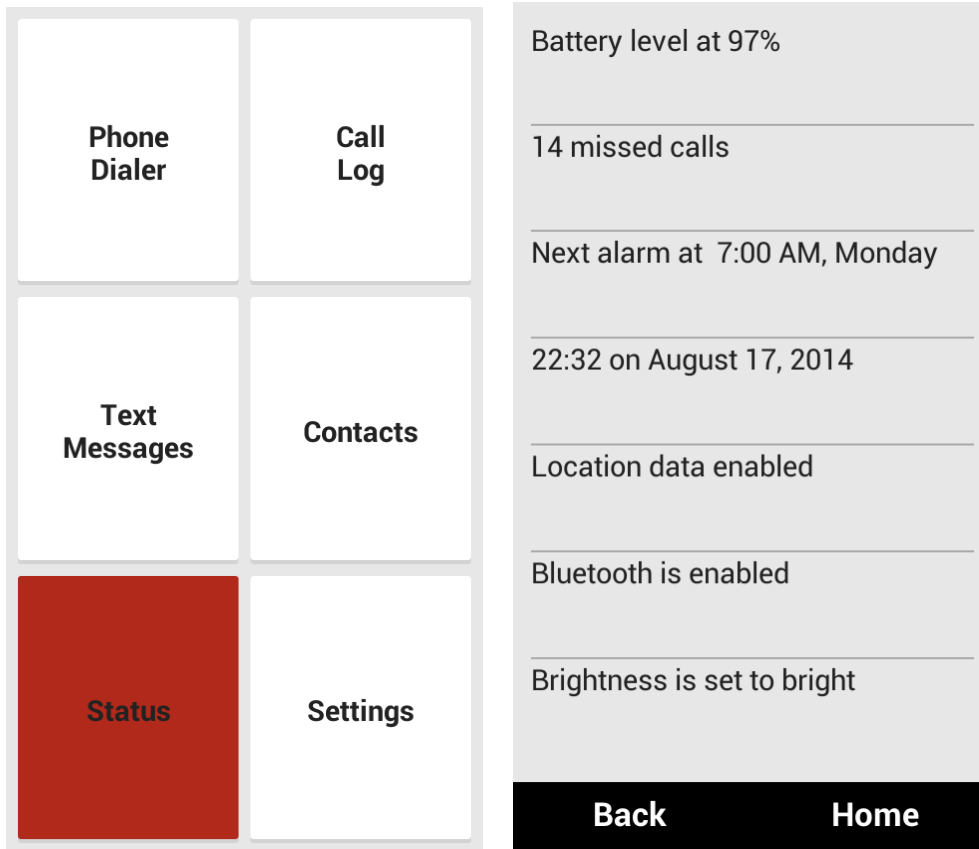
4.10 Importing all contacts from SD card

The user can click on **More Options** and click on the **Import All Contacts to SD card** button to import all .vcf files in the SD card to contacts.

5.0 Status

Status is used to display the status of various features of the device such as the device's battery,

signal strength, data connection, missed calls, unread text messages, unread emails, current date and time, date and time of the next alarm, bluetooth, brightness and GPS.



5.1 Battery level

The current battery level is displayed in percentage.

5.2 Cell signal strength

The number of bars indicating the signal strength is displayed, provided the feature is supported on the device.

5.3 Data connection

The status of the data connection is displayed, that is, whether the device is connected to a 2G, 3G or Wifi network.

5.4 Number of missed calls

The total number of missed calls is displayed.

5.5 Number of unread text messages

The total number of unread text messages is displayed.

5.6 Number of unread emails

The total number of unread emails and the corresponding email ID is displayed (displays gmail accounts).

5.7 Time and date of next alarm

The time and date of the next alarm, if set, is displayed.

5.8 Current time and date

The current time and date is displayed.

5.9 GPS status

The status of the GPS, if enabled, is displayed.

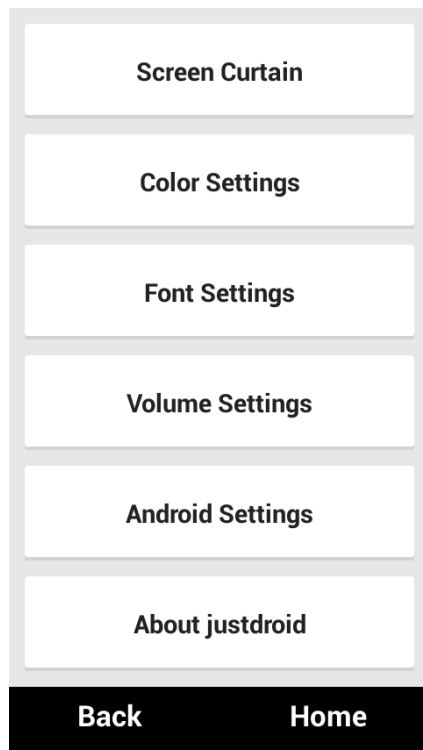
5.10 Bluetooth status

The status of the bluetooth, if enabled, is displayed.

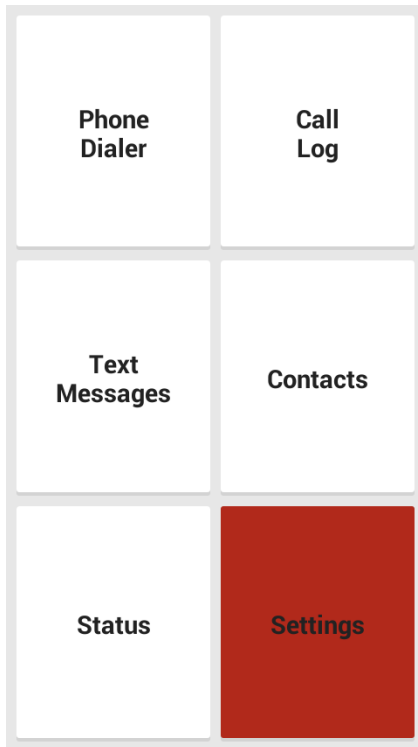
5.11 Brightness

The status of brightness is displayed, that is, whether it is set to manual or automatic. If it is set to manual, the level of brightness is displayed, that is, whether it is low, medium or bright.

6.0 Settings



Settings option allows the user to make changes to the settings of the app such as font settings, color settings, enabling/disabling screen curtain.

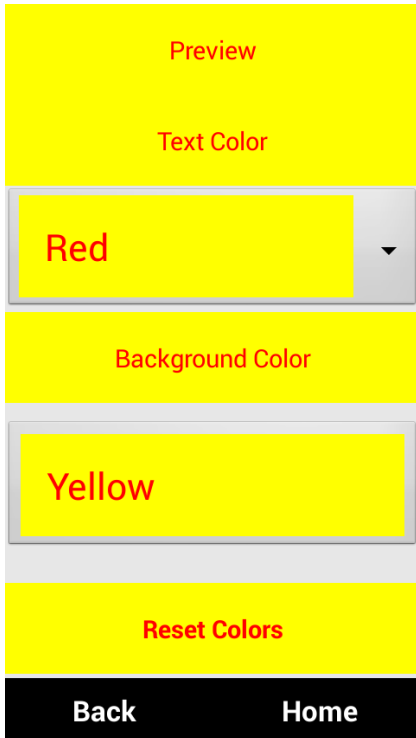


6.1 Screen curtain

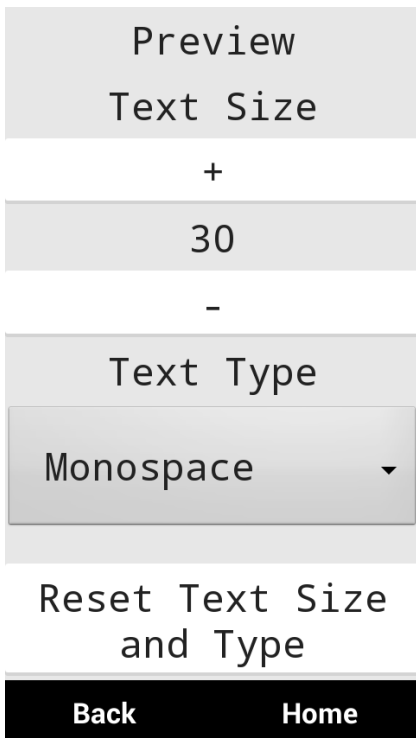
The user can select **Screen Curtain** to turn on a blank screen. Pressing anywhere on the screen again will disable the screen curtain.

6.2 Color settings

The user can select the text color and background color from the list of options in **Color Settings**. When a color is selected, it is immediately applied to all the screens of the app. The preview of the selected color will be displayed on the same screen. To reset the colors to their default values, the user has to click on **Reset Colors** button.

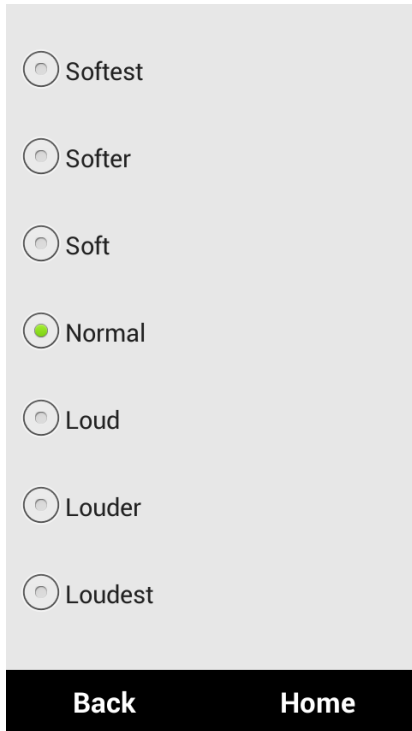


6.3 Font settings



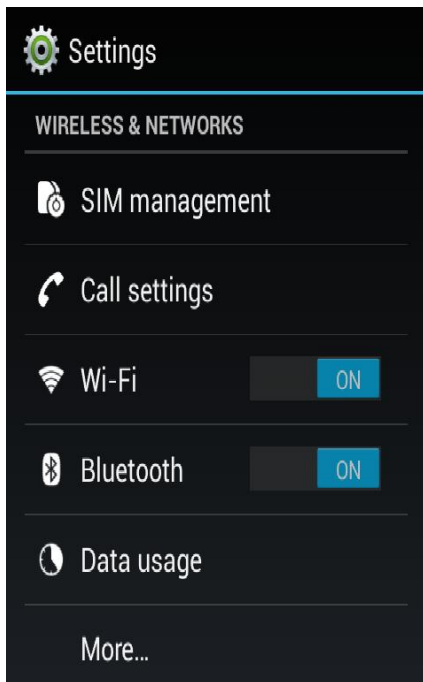
The user can select the text size and text type from the list of options in **Font Settings**. When an option is selected, it is immediately applied to all the screens of the app. The preview of the selected font size and/or type will be displayed on the same screen. To reset the text size and text type to their default values, the user has to click on **Reset Text Size and Type** button.

6.4 Volume settings



The user can select the required level of volume in **Volume Settings**. The user can hear the level of volume when an option is selected.

6.5 Android settings



Clicking on **Android Settings** will redirect the user to the default Settings screen of Android.

6.6 About “EasyAccess”

justdroid mission

"justdroid's mission is to invent a completely new operating mode, embedded in the Android DNA, to make mobile technology accessible for seniors, the blind and visually impaired."

Eva Krueger and Caspar Isemer

Focus group research

We thank the following people in particular for their amazing openness and utmost patience during our focus group research in India:

Zainab Chinikamwala
Ketan Khotari, Sight Savers

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The user can click on **About “EasyAccess”** button to view the details of the app, and the people and organizations involved in the project.