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MOBILE

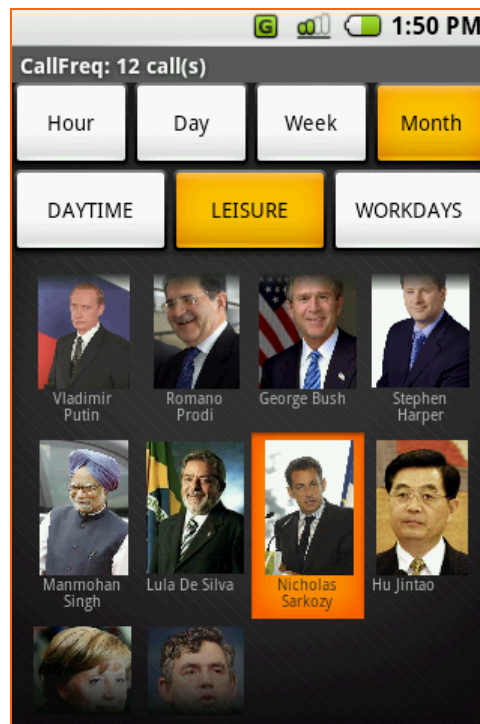


CALLFREQ
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File name: Callfreq.apk
File size: 298 Kb
SDK Build m5-rc15d

CallFreq

USER MANUAL

*How many contacts are there in your Blackberry? 2000? 2500? 3000?
But how many of them do you actually call on a regular basis? And how
long does it take to find any of them in your address book when you need
to call someone*



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WHAT THE APPLICATION DOES

CallFreq is an intelligent call dialer designed for daily management of most needed telephone contacts. It automatically provides to user most used telephone numbers based on different calling history patterns and gives a user one-press access to dialing them.

PROBLEM AND SOLUTION

Normally, an active user of a communicator will rapidly develop a contact list in excess of 100+ phone numbers, and 1000+ contacts is not unusual. Having all these contacts close at hand is necessary, but only a fraction of these contacts are in regular use.

Selecting contacts from a list takes time and requires a lot of key presses. In addition, extensive phone lists also tend to slow down software used to find and dial them.

Contact groups and tags can resolve the need to filter contacts only to a degree. Groups and tags have to be defined and assigned manually, and actual phone contact usage patterns do not always follow the pre-defined group hierarchy, or follow any obvious set of rules.

CallFreq resolves this problem by suggesting to user only the 12 contacts that figure most frequently in the actual usage history. The contacts are searched in a history period ranging from 1 hour to 1 month, depending on whether the user wishes to search the immediate calling history or across a longer period. CallFreq can also distinguish between calling histories in workplace and home/leisure use, by taking into account time of day, working hours and weekdays (such filters are secondary and can be applied simultaneously).

CallFreq does not replace the full access to Contacts application but intends to act as a day-to-day utility that supplements regular Contacts. The base assumption beyond CallFreq is that the contact usage patterns that develop naturally are recurring and user only needs to interfere if such a pattern is to be broken (for example, retrieve a contact that was not used for a long period of time when such a contact is useful).

FEATURES

- One-touch (one-press) dial of a selected contact
- Call list is filtered by hour, day, week and month
- Additional filters include morning/daytime/night, working hours and weekend
- Hours, days, weeks and months are either counted back from the moment of launching CallFreq or computed as full clock/calendar hours/days/weeks/month with user-defined starting moments
- Primary time periods can be defined as calendar or relative to time of use
- Secondary time periods are user-defined

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INSTALL CALLFREQ

You need an Android emulator and an ADB (Android Debug Bridge) installed to run CallFreq. Open command console and run command
adb install %full path to CallFreq file here%CallFreq.apk

LAUNCH CALLFREQ



To launch CallFreq:

- open Android emulator
- Using emulator joystick keys or mouse, select and press ALL icon

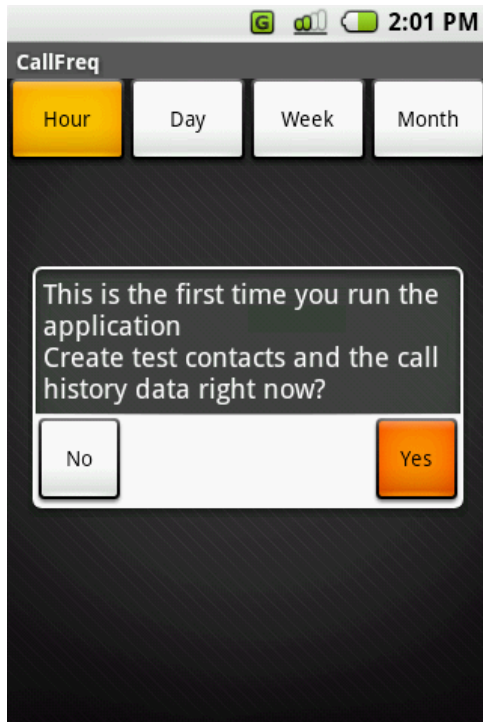


You will see a choice of labels that launch installed programs. Select and press CALLFREQ icon.

INSTALL SAMPLE CONTACT AND CALL DATASETS

Note: CallFreq comes with a sample set of contacts and calls that can be automatically added to Contacts and Call History databases at first launch of the application. The dataset contains about 20 world leaders with phone numbers and photos. All phone numbers belong to public relations offices of the named leaders, and all photos are bona fide public domain photos.

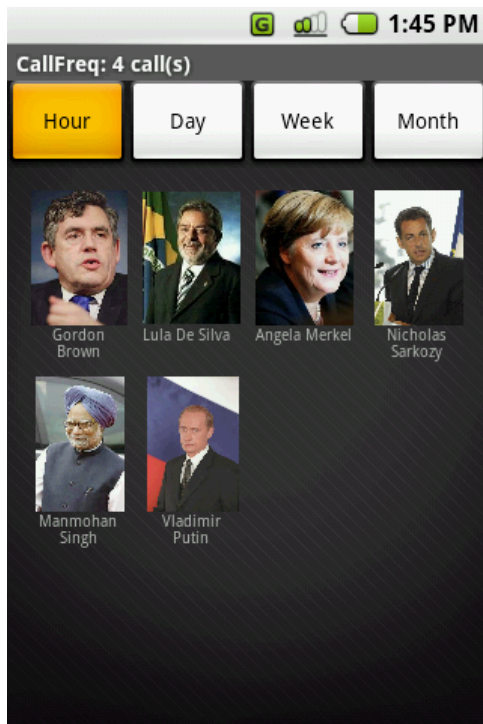
See Addendum 1 for list of contacts and Addendum 2 for list of calls that come bundled with CallFreq.



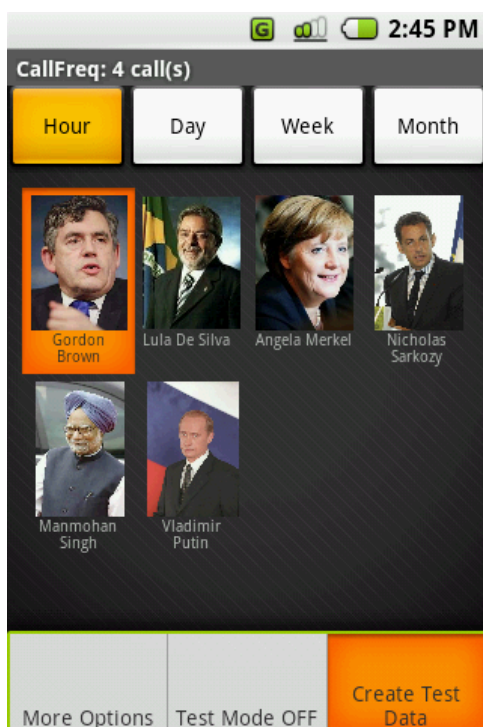
When CallFreq is launched for the first time, you will see the following dialog prompt:

Click YES to accept. This will allow CallFreq to install sample datasets of contacts and call history.

Clicking NO would result leaving the contact and call datasets unfilled. User can subsequently add his own contacts to the contact book, simulate the outgoing/incoming calls with emulator facilities. CallFreq would show statistics for such contacts and calls. However, a bug in Android will prevent user from adding photos to contact records and/or displaying them (see discussion of this bug below). So we strongly recommend using the test dataset for which this problem was successfully resolved, to get most from CallFreq experience.

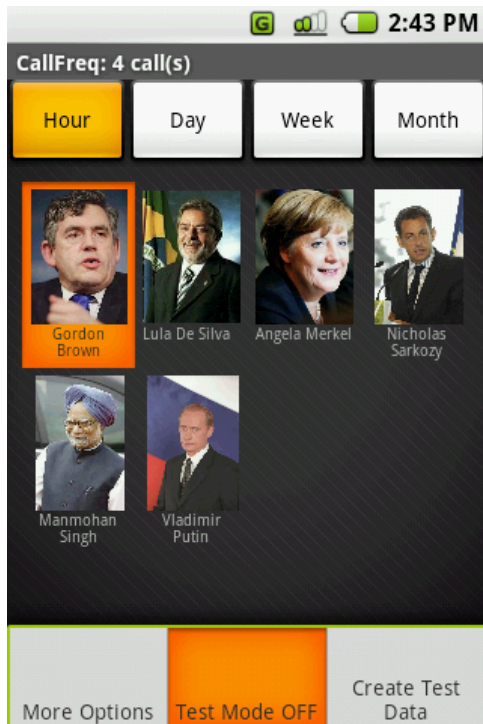


After the databases are installed, the CallFreq starting screen will look as shown in this picture.



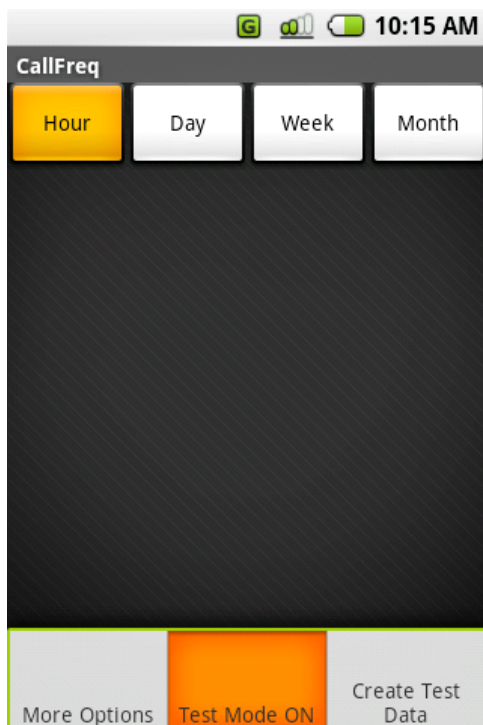
You can still install CallFreq contact and call history datasets later; open MENU and select CREATE TEST DATA button. This command will not be present in the commercial release and is provided for test purposes.

TOGGLE BETWEEN SIMULATED AND ACTUAL CALL HISTORIES



The sample datasets are not matched with the time on which you open the program first. To allow you to use test datasets properly, CallFreq will reset its internal time and date to match the absolute date of the most recent call in test database. This mode is called TEST MODE.

You can subsequently switch between the test mode and actual time mode and accumulate your own phone call history. Note that as actual date and test date move far apart the test call history will become old and invisible in CallFreq: calls over one month old are not analyzed in the current version.



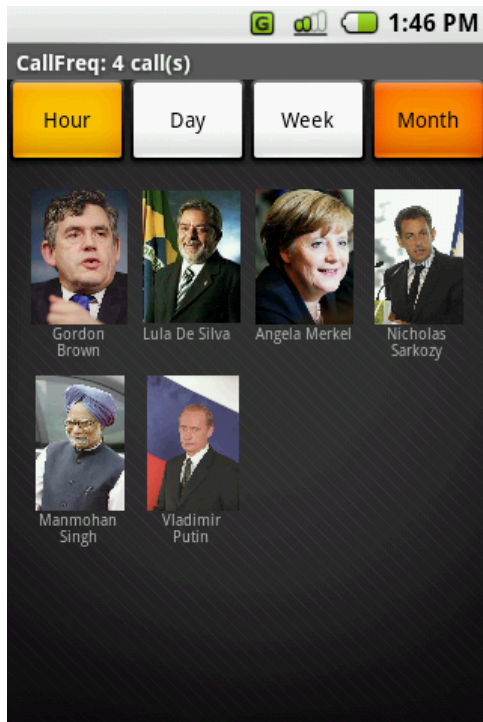
To switch between test and actual datasets and dates, open MENU and press TEST MODE button to toggle it off.

This may dramatically reduce your selection of contacts, even if you made a few calls before, since your own call history will be at best a few days long. In this example, resetting time frame immediately after the CallFreq was installed left a blank HOUR screen.

To return to test mode, press TEST MODE again.

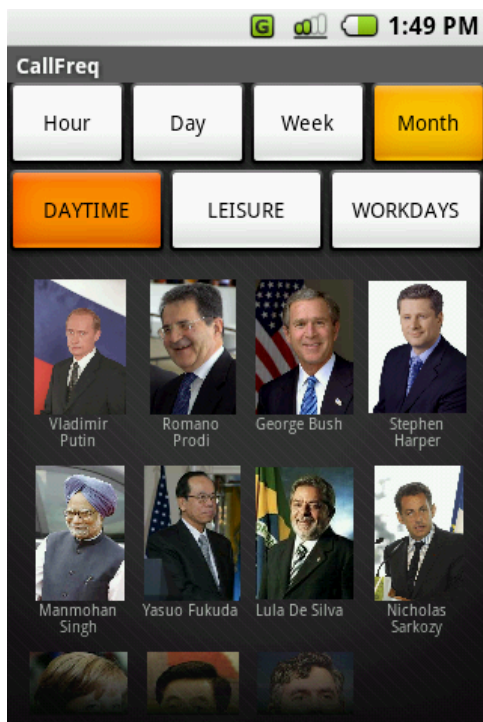
This command will not be present in the commercial release and is provided for test purposes.

PRIMARY CALL FILTERS



Launch CallFreq as described before. This is the main screen of CallFreq. In the top row are primary filter buttons. The highlighted button shows the time period from which the contacts are retrieved. By default, the primary filter will be "HOUR". When HOUR is pressed you will see the contacts that you spoke with over the last hour (this includes incoming as well as outgoing calls). Other available filters are DAY, WEEK and MONTH.

Use joystick to change selection from DAY button to another button. The screen may look as shown to the left.

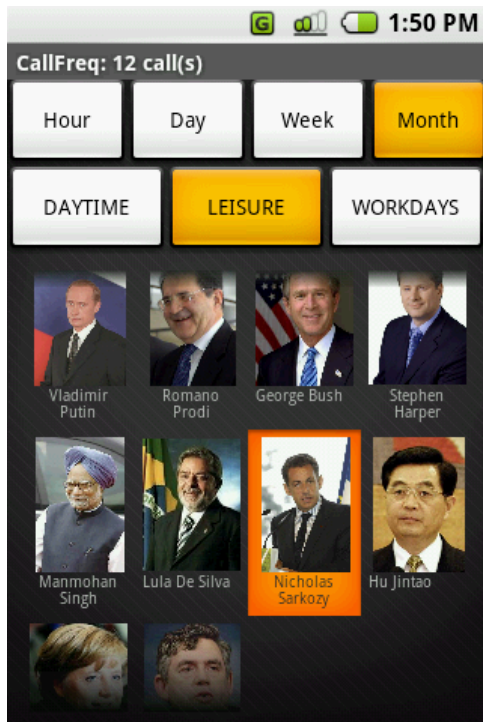


Press a primary filter button to change the time period. You will see a progress bar indicating that call history is recalculated.

Different contacts are displayed now. In the screen above, the contacts displayed are the ones that called or were called most over the full last calendar month.

Note that more buttons will appear in the second row below primary filter buttons. These are secondary filter buttons that add additional criteria within the selected time period and already filtered call selection. All secondary filters by default are off.

SECONDARY CALL FILTERS

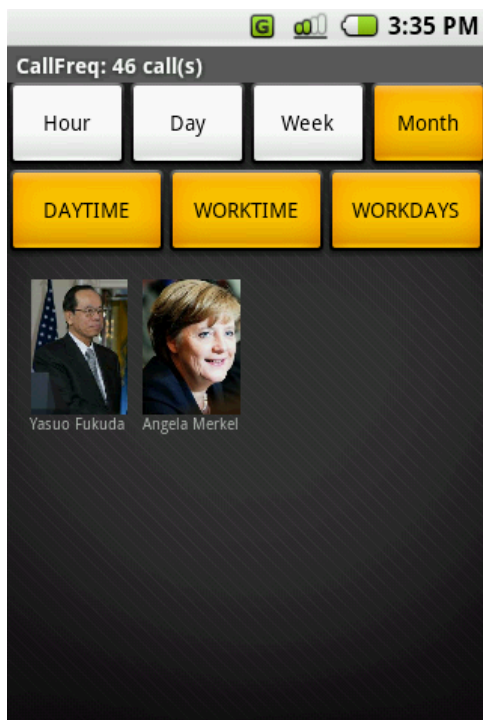


Filtering options that are available to CallFreq users are:

- for HOUR period – none (it is a very short period)
- for DAY period – MORNING/DAYTIME/NIGHT and WORKTIME/LEISURE
- for WEEK and MONTH periods – same as for DAY plus WEEKDAY/WEEKEND

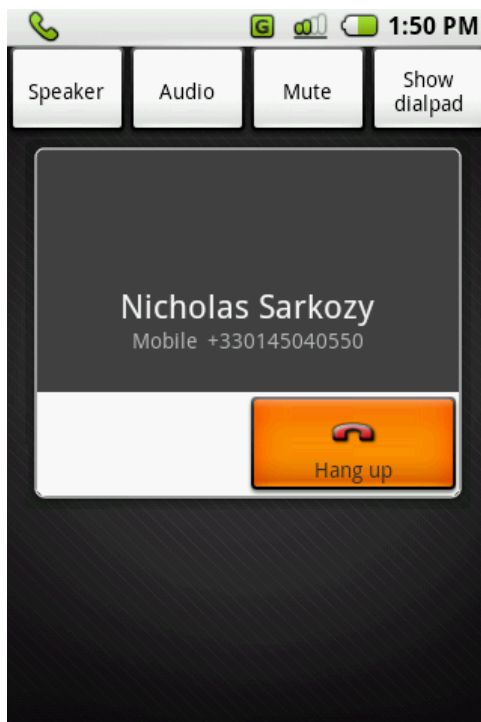
Periods on the secondary filter buttons are determined dynamically and will change to match the same period as current time and date. As time changes, so will change the button names. This way, the user can always filter the call list according to the moment in time needs: retrieve only business contacts during the "weekday morning", family members during "nights", romantic contacts on "weekend nights" and so on.

Use joystick to select and press a secondary button.

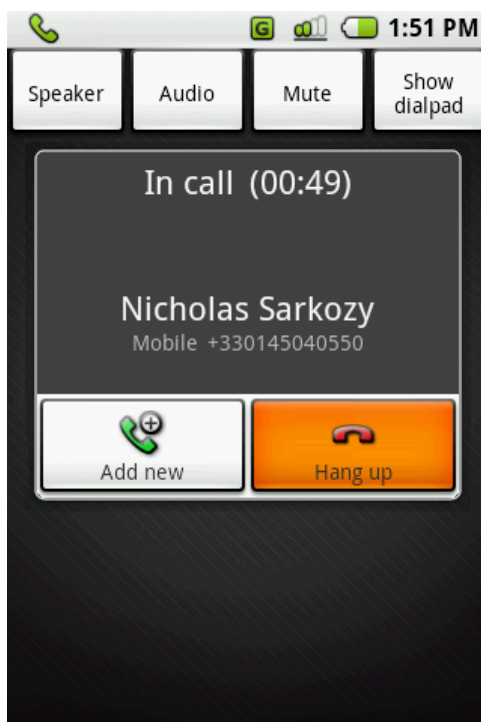


Up to all three secondary buttons can be pressed at the same time.

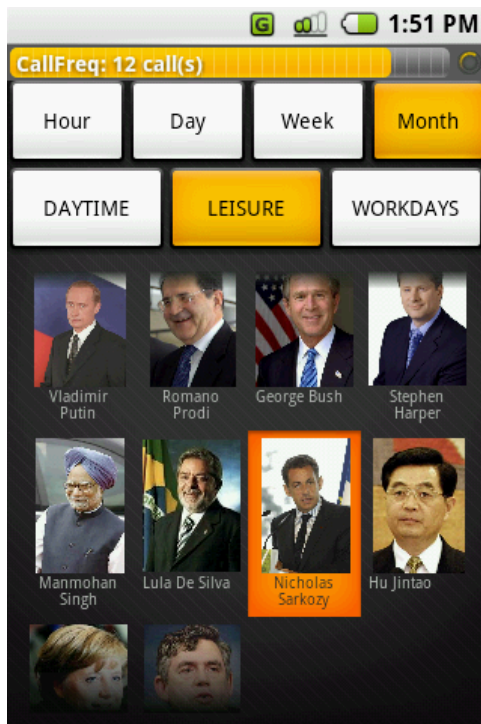
Note that this may result in progressively less contacts being displayed. This is because secondary criteria narrows the range of eligible contacts. On some occasions, additional filtering can completely clear the screen if no caller match the full range of criteria. In this example, only two callers are left.

MAKING CALLS WITH CALLFREQ

Pressing any contact picture will launch a call (a call emulation, as the emulator cannot access telephone network).



The call will be answered automatically and will be in progress until you hang it up, using emulator hardware HANGUP key.

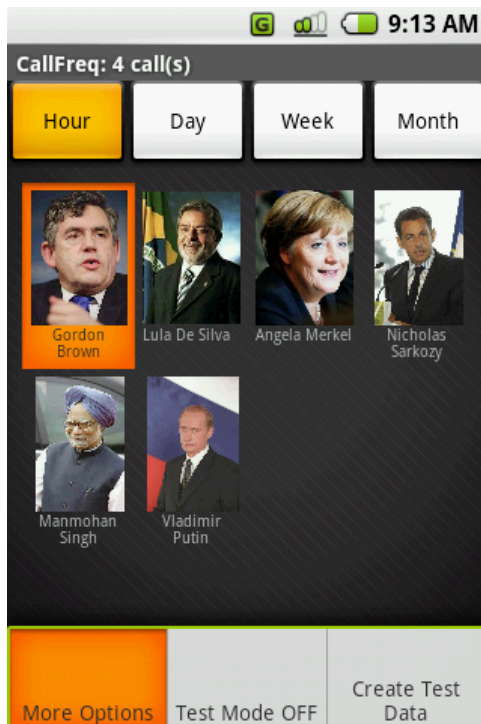


After the call is completed and hanged up you return to the original screen of CallFreq. Note that number of calls count for this contact will be changed.

This will trigger recalculation of the list filter (see progress bar in the top of the screen). Order and number of contacts appearing in the newly filtered list may change. Time of call also matters, especially if you are using secondary filters, like in this example.

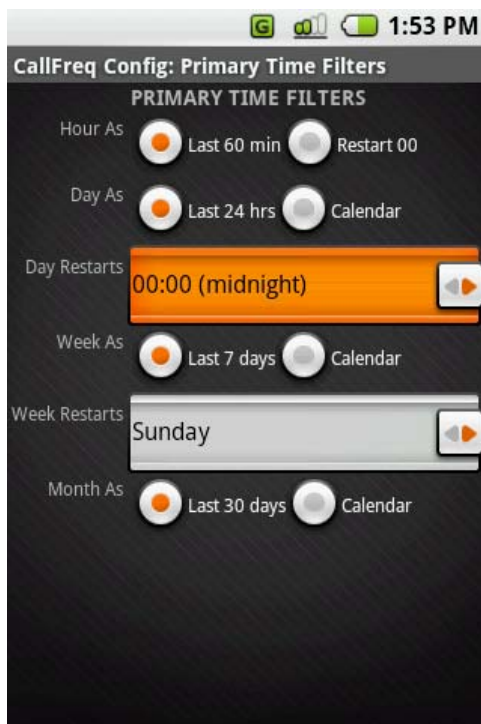
Note that running CallFreq in test mode may result in a contact count that will not account for the calls made by CallFreq user because they may fall are outside the test mode time range. For best illustration, turn off Test Mode in Options to filter only the calls you made.

CALLFREQ OPTIONS



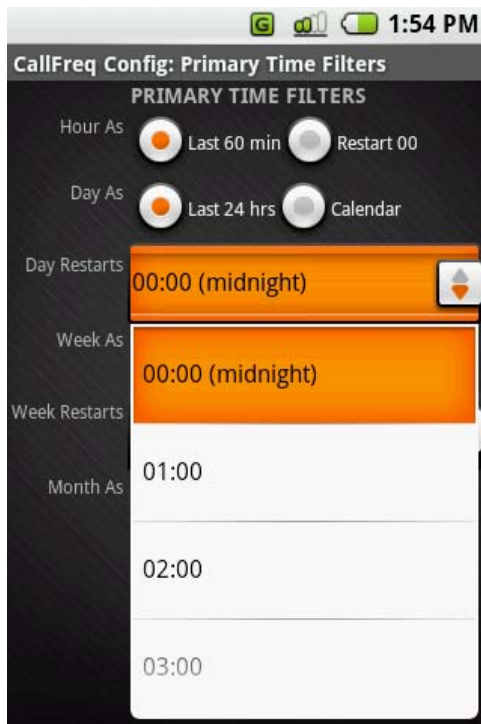
Options screens allow to modify primary and secondary filter criteria and change the user interface. Press MENU button and select MORE OPTIONS to access CallFreq options.

PRIMARY FILTER OPTIONS

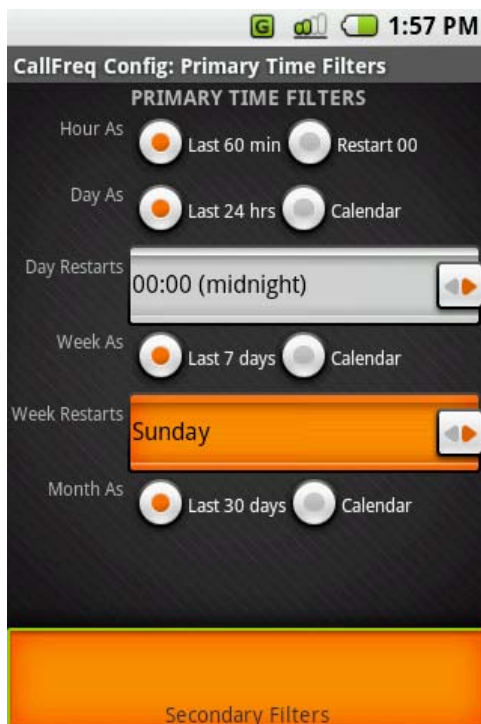


Available primary filter options are:

- define HOUR period as either the 60 minutes immediately preceding the time when HOUR button is pressed, or as the last astronomic hour (00 to 59 minutes according to system clock)
- define DAY period as either 24 hours immediately preceding the time when DAY button is pressed, or as the last calendar day (according to system clock)
- define time on which the DAY period restarts if calendar day is selected (default value – 00:00, midnight, with a step of 1 astronomic hour)
- define WEEK period as either the 7 day periods immediately preceding the time when WEEK button is pressed or as a calendar week
- define starting day of the week if calendar week is selected (default value is Sunday)
- define MONTH period as either the 30 day periods immediately preceding the time when WEEK button is pressed or as a calendar month (starting 1st of each month according to system clock)

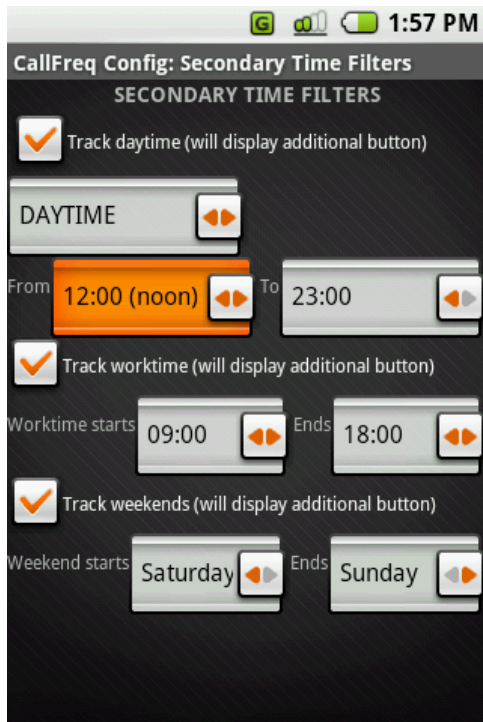


To navigate the options screen, use JOYSTICK. UP and DOWN buttons move the selection; LEFT and RIGHT buttons select different options in Spinner boxes. OK button selects and deselects checkboxes.



To proceed to secondary filter options, press MENU and then SECONDARY FILTERS.

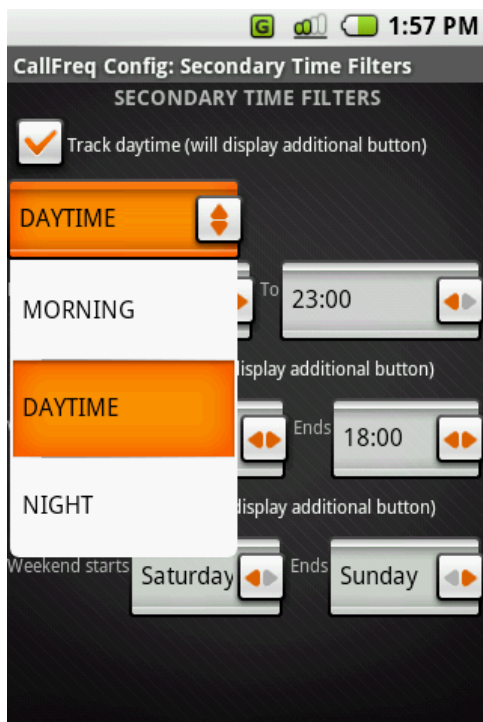
SECONDARY FILTER OPTIONS



Available secondary filter options are:

- define MORNING, DAYTIME and NIGHT periods,
- define WORKTIME period (LEISURE period is defined automatically as non-WORKTIME)
- define WEEKEND period (WORKDAY is defined as non-WEEKEND)

In addition, each of three secondary filter buttons can be turned on and off by selecting an appropriate checkbox.



Use joystick to move selection focus to buttons and select options in Spinner controls.

To see dynamic button addition and removal, deselect some of the secondary filter checkboxes and return to the main CallFreq screen by pressing the BACK ARROW button. Note that there will be less secondary filter button left.

CALLFREQ AS ANDROID SPECIFIC APPLICATION

CallFreq application efficiently uses Android framework API in order to achieve its goals. Besides the usual standard GUI components which are commonly used almost in any other application, CallFreq utilizes Content Providers available in Android SDK to retrieve call history information and the user Contact Book data.

The whole application is also designed in accordance with Android design guidelines:

- The UI is represented by CallFreq and CallFreq Options activities, which show the call statistics to the user and allow him to set the application options.
- The statistical data is retrieved and analyzed on the lower level – in the CallFrequencyAnalyser class, and the result is wrapped by the CallStatisticsContentProvider which extends standard ContentProvider class of Android.

CallFreq activity uses CallStatisticsContentProvider to retrieve statistical data, and then displays it to the user. Since CallStatisticsContentProvider follows ContentProvider philosophy of Android platform, it can be used by any other third party application. Any third party developer can retrieve call frequency information processed by CallFreq if CallFreq is installed on the same Android device.

USABILITY

Contacts are displayed as large pictograms with photos for easy recognition and large margin or error when reaching the screen.

Contacts are positioned in the screen layout in the bottom part of the screen to allow easy thumb access for one hand operation (for example, when the phone is held in a palm or during walking).

While call data is recalculated, interface is not blocked, a progress bar is displayed to indicate operation status, and user can continue to press buttons or otherwise use the phone during this time.

INTERNATIONAL USE

All strings used in CallFreq UI are not hardcoded in the executable files and are stored in a separate strings.xml resource file. This method was used to simplify worldwide localization of CallFreq. CallFreq is available currently only in English. Full translations into any other language can be made by translating all string entries defined in the strings.xml file (about 150 entries in current version). This approach follows Google Android application design recommendations for Resources and Internalization.

All non-Latin characters are supported.

ANNOYANCE REDUCTION FUNCTIONS

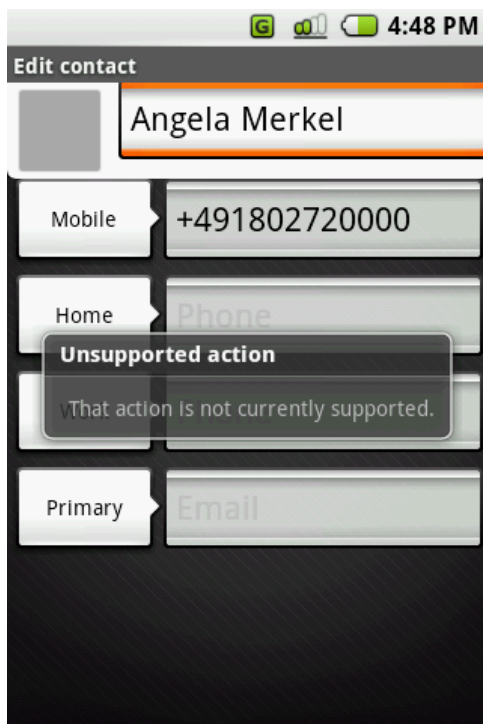
Retrieving call statistics can be time consuming if the call history is long and/or intensive. If it is executed in the UI thread, it can block the UI elements for quite some time, contributing to

mobile user annoyance. To avoid UI blocking, the call statistics retrieval operation is always performed in a separate thread, and then UI is updated using Android framework Handler class, as described in Android API documentation.

While the application has to wait for completion of a background operation (recalculating the call history), a progress bar is displayed.

In normal circumstances, recalculation of call history statistics takes no more than 4-6 seconds (hardware devices where Android was deployed to date demonstrated much higher processing speed than emulator so actual waiting time might be even less or close to nil).

CONTACT PHOTO BUG



Please note that CallFreq WILL NOT display photo images for contacts not in the test database due to a limitation of a current Android version. While the contacts used in CallFreq demo are actual Android contacts, all photos you see in CallFreq are CallFreq's own internal resources; Android's own contact database will not have photos or allow to add photos.

By using Android Debug Bridge (ADB) console, Android emulator settings can be changed to fix this issue; however programs running on Dalvik virtual machine cannot execute such change and the fix must be applied manually to each Android emulator installation. Given the difficulties involved in preparing the test system for this particular setting, the submitted compiled CallFreq code ignores this possibility and assumes the Android emulator is available in its original installation, with no fixes applied.

See bug report #360 for more technical information on this particular issue.

ABOUT SADKO MOBILE, INC.

Sadko Mobile is the first dedicated Android software startup, with a focus on middleware and enabling applications. Sadko Mobile was founded in November 2007 to create applications for Google Android, both for mobile devices and for desktops and servers interacting with such devices.

Sadko Mobile was created out of idea that mobile communicators are neither overgrown mobile phones, nor calling-enabled PDAs or undergrown notebooks - much greater than the sum of its parts. Communicators are a totally new class of devices that can and should be used differently to get from them all they can give us. We at Sadko Mobile believe that communicators are perfectly fit to become the next major wave of information technology revolution, like mainframes, desktop PC, Internet-connected PC and notebook computers. Having the right software is a crucial component of the ultimate mobile communicator, and open source operating system takes the possibilities for the developer far beyond the limits.

Sadko Mobile, Inc. is a Delaware corporation with R&D facilities in Moscow (Russia) and Nizhny Novgorod (Russia). It is bootstrapped by founder and is currently raising its first venture round.

For more information, see <http://sadko.mobi/>

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Moscow 123100
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ADDENDUM 1: LIST OF SAMPLE CONTACTS PROVIDED WITH CALLFREQ

Contact	Country	Telephone
George Bush	US	+1-202-456-2121
Gordon Brown	UK	+44-207-925-0918
Angela Merkel	Germany	+49-180-272-0000
Nicholas Sarkozy	France	+33-014-504-0550
Stephen Harper	Canada	+1-613-992-4211
Romano Prodi	Italy	+39-066-7791
Yasuo Fukuda	Japan	+81-314-349-5800
Vladimir Putin	Russia	+7-495-910-0738
Manmohan Singh	India	+91-112-687-6823
Lula De Silva	Brazil	+55-113-054-1800
Hu Jintao	China	+86-106-532-1381

ADDENDUM 2: LIST OF CALLS IN SAMPLE CALL HISTORY PROVIDED WITH CALLFREQ

Contact	Date	Time
Gordon Brown	01/17/08	08:20:00 PM
Gordon Brown	01/17/08	08:05:00 PM
Gordon Brown	01/17/08	07:50:00 PM
Gordon Brown	01/17/08	07:35:00 PM
Angela Merkel	01/17/08	08:10:00 PM
Angela Merkel	01/17/08	05:10:00 PM
Angela Merkel	01/17/08	02:10:00 PM
Angela Merkel	01/17/08	11:10:00 AM
Angela Merkel	01/17/08	08:10:00 AM
Angela Merkel	01/17/08	05:10:00 AM
Angela Merkel	01/17/08	02:10:00 AM
Nicholas Sarkozy	01/17/08	08:03:00 PM
Nicholas Sarkozy	01/17/08	08:03:00 AM
George Bush	01/17/08	12:25:00 AM
Vladimir Putin	01/17/08	07:45:00 PM
Romano Prodi	01/17/08	08:30:00 AM
Yasuo Fukuda	01/17/08	04:23:00 PM
Manmohan Singh	01/17/08	08:00:00 PM
Lula De Silva	01/17/08	08:10:00 PM
Angela Merkel	01/16/08	11:10:00 PM
Nicholas Sarkozy	01/16/08	08:03:00 PM
Nicholas Sarkozy	01/16/08	08:03:00 AM
George Bush	01/16/08	12:25:00 AM
Vladimir Putin	01/16/08	07:45:00 PM
Romano Prodi	01/16/08	08:30:00 AM
Yasuo Fukuda	01/16/08	04:23:00 PM
Manmohan Singh	01/16/08	08:00:00 PM

Lula De Silva	01/16/08	08:10:00 PM
Nicholas Sarkozy	01/15/08	08:03:00 PM
Nicholas Sarkozy	01/15/08	08:03:00 AM
George Bush	01/15/08	12:25:00 AM
Vladimir Putin	01/15/08	07:45:00 PM
Romano Prodi	01/15/08	08:30:00 AM
Yasuo Fukuda	01/15/08	04:23:00 PM
Manmohan Singh	01/15/08	08:00:00 PM
Lula De Silva	01/15/08	08:10:00 PM
Nicholas Sarkozy	01/14/08	08:03:00 PM
Nicholas Sarkozy	01/14/08	08:03:00 AM
George Bush	01/14/08	12:25:00 AM
Vladimir Putin	01/14/08	07:45:00 PM
Romano Prodi	01/14/08	08:30:00 AM
Yasuo Fukuda	01/14/08	04:23:00 PM
Manmohan Singh	01/14/08	08:00:00 PM
Nicholas Sarkozy	01/13/08	08:03:00 PM
Nicholas Sarkozy	01/13/08	08:03:00 AM
George Bush	01/13/08	12:25:00 AM
Vladimir Putin	01/13/08	07:45:00 PM
Romano Prodi	01/13/08	08:30:00 AM
Yasuo Fukuda	01/13/08	04:23:00 PM
Manmohan Singh	01/13/08	08:00:00 PM
Hu Jintao	01/13/08	06:00:00 AM
Nicholas Sarkozy	01/12/08	08:03:00 PM
Nicholas Sarkozy	01/12/08	08:03:00 AM
George Bush	01/12/08	12:25:00 AM
Vladimir Putin	01/12/08	07:45:00 PM
Romano Prodi	01/12/08	08:30:00 AM
Yasuo Fukuda	01/12/08	04:23:00 PM
Manmohan Singh	01/12/08	08:00:00 PM
Hu Jintao	01/12/08	06:00:00 AM
George Bush	01/11/08	12:25:00 AM
Vladimir Putin	01/11/08	07:45:00 PM
Romano Prodi	01/11/08	08:30:00 AM
Yasuo Fukuda	01/11/08	04:23:00 PM
Manmohan Singh	01/11/08	08:00:00 PM
George Bush	01/10/08	12:25:00 AM
Vladimir Putin	01/10/08	07:45:00 PM
Romano Prodi	01/10/08	08:30:00 AM
Yasuo Fukuda	01/10/08	04:23:00 PM
Manmohan Singh	01/10/08	08:00:00 PM
Lula De Silva	01/10/08	08:10:00 PM
Stephen Harper	01/09/08	07:30:00 AM
George Bush	01/09/08	12:25:00 AM
Vladimir Putin	01/09/08	07:45:00 PM
Romano Prodi	01/09/08	08:30:00 AM
Yasuo Fukuda	01/09/08	04:23:00 PM
Manmohan Singh	01/09/08	08:00:00 PM
Lula De Silva	01/09/08	08:10:00 PM

Stephen Harper	01/08/08	07:30:00 AM
George Bush	01/08/08	12:25:00 AM
Vladimir Putin	01/08/08	07:45:00 PM
Romano Prodi	01/08/08	08:30:00 AM
Yasuo Fukuda	01/08/08	04:23:00 PM
Manmohan Singh	01/08/08	08:00:00 PM
Lula De Silva	01/08/08	08:10:00 PM
Stephen Harper	01/07/08	07:30:00 AM
George Bush	01/07/08	12:25:00 AM
Vladimir Putin	01/07/08	07:45:00 PM
Romano Prodi	01/07/08	08:30:00 AM
Yasuo Fukuda	01/07/08	04:23:00 PM
Manmohan Singh	01/07/08	08:00:00 PM
Stephen Harper	01/06/08	07:30:00 AM
George Bush	01/06/08	12:25:00 AM
Vladimir Putin	01/06/08	07:45:00 PM
Romano Prodi	01/06/08	08:30:00 AM
Yasuo Fukuda	01/06/08	04:23:00 PM
Manmohan Singh	01/06/08	08:00:00 PM
Hu Jintao	01/06/08	06:00:00 AM
Stephen Harper	01/05/08	07:30:00 AM
George Bush	01/05/08	12:25:00 AM
Vladimir Putin	01/05/08	07:45:00 PM
Romano Prodi	01/05/08	08:30:00 AM
Yasuo Fukuda	01/05/08	04:23:00 PM
Manmohan Singh	01/05/08	08:00:00 PM
Hu Jintao	01/05/08	06:00:00 AM
Stephen Harper	01/04/08	07:30:00 AM
George Bush	01/04/08	12:25:00 AM
Vladimir Putin	01/04/08	07:45:00 PM
Romano Prodi	01/04/08	08:30:00 AM
Yasuo Fukuda	01/04/08	04:23:00 PM
Manmohan Singh	01/04/08	08:00:00 PM
Stephen Harper	01/03/08	07:30:00 AM
George Bush	01/03/08	12:25:00 AM
Vladimir Putin	01/03/08	07:45:00 PM
Romano Prodi	01/03/08	08:30:00 AM
Yasuo Fukuda	01/03/08	04:23:00 PM
Manmohan Singh	01/03/08	08:00:00 PM
Lula De Silva	01/03/08	08:10:00 PM
Stephen Harper	01/02/08	07:30:00 AM
George Bush	01/02/08	12:25:00 AM
Vladimir Putin	01/02/08	07:45:00 PM
Romano Prodi	01/02/08	08:30:00 AM
Yasuo Fukuda	01/02/08	04:23:00 PM
Manmohan Singh	01/02/08	08:00:00 PM
Lula De Silva	01/02/08	08:10:00 PM
Stephen Harper	01/01/08	07:30:00 AM
George Bush	01/01/08	12:25:00 AM
Vladimir Putin	01/01/08	07:45:00 PM

Romano Prodi	01/01/08	08:30:00 AM
Yasuo Fukuda	01/01/08	04:23:00 PM
Manmohan Singh	01/01/08	08:00:00 PM
Lula De Silva	01/01/08	08:10:00 PM
Stephen Harper	12/31/07	07:30:00 AM
George Bush	12/31/07	12:25:00 AM
Vladimir Putin	12/31/07	07:45:00 PM
Romano Prodi	12/31/07	08:30:00 AM
Yasuo Fukuda	12/31/07	04:23:00 PM
Manmohan Singh	12/31/07	08:00:00 PM
Stephen Harper	12/30/07	07:30:00 AM
George Bush	12/30/07	12:25:00 AM
Vladimir Putin	12/30/07	07:45:00 PM
Romano Prodi	12/30/07	08:30:00 AM
Yasuo Fukuda	12/30/07	04:23:00 PM
Manmohan Singh	12/30/07	08:00:00 PM
Hu Jintao	12/30/07	06:00:00 AM
Stephen Harper	12/29/07	07:30:00 AM
George Bush	12/29/07	12:25:00 AM
Vladimir Putin	12/29/07	07:45:00 PM
Romano Prodi	12/29/07	08:30:00 AM
Yasuo Fukuda	12/29/07	04:23:00 PM
Manmohan Singh	12/29/07	08:00:00 PM
Hu Jintao	12/29/07	06:00:00 AM
Stephen Harper	12/28/07	07:30:00 AM
George Bush	12/28/07	12:25:00 AM
Vladimir Putin	12/28/07	07:45:00 PM
Romano Prodi	12/28/07	08:30:00 AM
Stephen Harper	12/27/07	07:30:00 AM
George Bush	12/27/07	12:25:00 AM
Vladimir Putin	12/27/07	07:45:00 PM
Romano Prodi	12/27/07	08:30:00 AM
Lula De Silva	12/27/07	08:10:00 PM
Stephen Harper	12/26/07	07:30:00 AM
George Bush	12/26/07	12:25:00 AM
Vladimir Putin	12/26/07	07:45:00 PM
Romano Prodi	12/26/07	08:30:00 AM
Lula De Silva	12/26/07	08:10:00 PM
Stephen Harper	12/25/07	07:30:00 AM
George Bush	12/25/07	12:25:00 AM
Vladimir Putin	12/25/07	07:45:00 PM
Romano Prodi	12/25/07	08:30:00 AM
Lula De Silva	12/25/07	08:10:00 PM
Stephen Harper	12/24/07	07:30:00 AM
George Bush	12/24/07	12:25:00 AM
Vladimir Putin	12/24/07	07:45:00 PM
Romano Prodi	12/24/07	08:30:00 AM
Stephen Harper	12/23/07	07:30:00 AM
George Bush	12/23/07	12:25:00 AM
Vladimir Putin	12/23/07	07:45:00 PM

Romano Prodi	12/23/07	08:30:00 AM
Hu Jintao	12/23/07	06:00:00 AM
Stephen Harper	12/22/07	07:30:00 AM
George Bush	12/22/07	12:25:00 AM
Vladimir Putin	12/22/07	07:45:00 PM
Romano Prodi	12/22/07	08:30:00 AM
Hu Jintao	12/22/07	06:00:00 AM
Stephen Harper	12/21/07	07:30:00 AM
George Bush	12/21/07	12:25:00 AM
Vladimir Putin	12/21/07	07:45:00 PM
Romano Prodi	12/21/07	08:30:00 AM
Stephen Harper	12/20/07	07:30:00 AM
George Bush	12/20/07	12:25:00 AM
Vladimir Putin	12/20/07	07:45:00 PM
Romano Prodi	12/20/07	08:30:00 AM
George Bush	12/19/07	12:25:00 AM
Vladimir Putin	12/19/07	07:45:00 PM
Romano Prodi	12/19/07	08:30:00 AM
George Bush	12/18/07	12:25:00 AM
Vladimir Putin	12/18/07	07:45:00 PM
Romano Prodi	12/18/07	08:30:00 AM
George Bush	12/17/07	12:25:00 AM
Vladimir Putin	12/17/07	07:45:00 PM
Romano Prodi	12/17/07	08:30:00 AM
George Bush	12/16/07	12:25:00 AM
Vladimir Putin	12/16/07	07:45:00 PM
Romano Prodi	12/16/07	08:30:00 AM
George Bush	12/15/07	12:25:00 AM
Vladimir Putin	12/15/07	07:45:00 PM
Romano Prodi	12/15/07	08:30:00 AM
George Bush	12/14/07	12:25:00 AM
Vladimir Putin	12/14/07	07:45:00 PM
Romano Prodi	12/14/07	08:30:00 AM
