Description of service
Mobile Dialer App

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1 Overview

The Mobile Dialer App is a mobile application for the Android and iOS operating systems. This app allows end users a simple and convenient way to make phone calls using your Calling Cards and xy-Cards that have been generated on the 42one platform.

The Mobile Dialer App can be customized with an individual design, the supported services are call through, call back, VoIP and text messaging services. All cards generated on our platform can be accessed via the Mobile Dialer App.

The app takes care of the necessary telephone number and PIN inputs for the end users, provided there is a working data connection. Only a one-time registration and/or PIN entry is required. It supports 3G/4G and GPRS standards. Using the call history and credit display, users will have full control of costs at any time.
Calling cards can also be charged directly from the app (currently only Android). It is as easy as possible to make calls; Mobile Dialer accesses the device's phone directory, and eliminates having to select the destination number.

2 Description of the App Functions (Version 2.9)

All functions of the hybrid APP are listed below. Please note that you can find the updated Description of the App Functions at http://appdev.42com.com/.

The operation systems for which the features are available are Android an iOS.
The **minimum Requirements** are:

	Android	**iOS**
Operating Systems	Version 2.3.3 upwards	Version 4.3 and upwards
Hardware	CPU with 1000 MHz and 512 MB RAM	iPhone 4

2.1 Online Features

Login (Android, iOS)
Enter user name and password into the input mask and click 'Login'. Following, the user is logged in and can use the available services.

Registration (Android, iOS)
Before first use, the end user must register. The user enters all user data,
accepted the terms and conditions of the hybrid app and confirmed his registration via a confirmation

email, which was send to him automatically after entering the user data. Then he can login with his new user data.

Call Through (Android, iOS)
When using call trough, your own number (for the identification) and the destination number is transferred to the 42com platform. The connection to the platform is either realized through a 0800 number or a local number. The 42com platform enables the connection to the destination number.

Dynamic Dial-in-Number : Manual and automatic selection of the current location and the appropriate dial-in number (Android, iOS)
Manual: Should the hybrid app be available for several country dial-in numbers, the user can enter his current location via a list of countries and select the appropriate dial-in number.
Automatic: Depending on the current mobile network the appropriate location and dial-in number is selected in settings menue. Therefore the user has not to fear using the wrong dial-in number for example in roaming case. Due to Apple's programing policies, on iOS the feature is only reliable in online mode. In all other cases this feature is 100 percent reliable.

Callback (Android, iOS)
When using the callback, your own phone number (for the identification) and the destination number are transmitted to the 42com platform. Over the 'Call' button, the callback is initiated. The user then receives an incoming call. With taking the call (which is initiated by the 42com platform), the user will be directly connected with the destination number.

Sip Internet telephony (Android, iOS)
While starting the app, the app registers on the 42com platform. After entering the destination number, the call is initiated via the 'Call' button. The call is now connected via the existing Internet connection. The iLBC codec, the Speex8 codec and the Speex16 codec are supported. To benefit from the best possible call quality, the use of a WLAN is recommended.

Free calls (Android, iOS)
By selecting a contact from the phone book and choosing VoIP as calltype the user will recognize if it is possible to make a free call to the selected contact. If the button 'free call' is activated the user can call its contact for free. Therefore the contact has to have the app installed and has to be registered with the phone number of the phone book entry.

Incoming calls (Android, iOS)
In case of somebody is making a free call, the callee gets an incoming call screen with name, and image (as availible in contact list) of the caller. The callee is free to answer or reject the call.

Web SMS (Android, iOS)
Sending a web SMS is realized by using a text form. The user enters the message text and the destination phone number and clicks on the 'Send' button. Then the SMS is sent. Per message a maximum of 800 characters is allowed. The characters already used and the number of web SMS is displayed continuously.

Phone book (contacts) (Android, iOS)
The 'Contacts' functions is a phone book that offers the option to select a telephone number out of your smart phone contact list. The app manages its own phone book where contacts you have added from your smart phone are listed. By clicking on 'choose contact' you can add new contacts to the apps phone book.

Keypad (Dial) (Android, iOS)
When clicking on 'Dial' a large keypad appears over which phone numbers can be entered which are not listed in your smart phone contact list.

View Account Data (Android, iOS)
When connected over a data connection (such a 3G or WLAN) the hybrid app provides the user the option to view the entered customer information, as well as billing addresses, phone numbers, and the user data.

Contact form (Android, iOS)
There is a contact form available, over which requests can be entered directly in the hybrid app and then being send to a defined email address.

Call Duration Record (Android, iOS)
The call duration record lists the last used services in a chronological way. Each entry shows the time, date, destination number or name (if stored in the phone book), destination, duration of the connection, the costs, the price per minute / SMS, service type (SMS, Call Back, Call Through, SIP) and the service status (successful / unanswered). The synchronization is automatically when you start the app but can also be triggered manually by clicking the appropriate button. After clicking on an entry, the number is transferred directly to the dial pad. Consequently, the number selected can be used to make a call or to send a message.

PIN transfer (only Android)
Over the menu item PIN transfer you can enter a PIN (with an amount x), which balances your user account. After the successful test, the amount of the PIN will be credited. You only have to simply enter the PIN and use the'Check' button to confirm. After successful confirmation, the credit will be transferred.

Settings (Android, iOS)
In the settings menu, all relevant settings for the app (all configuration parameters) are being managed. The own phone number is stored here or can be changed, the preferred dial-in number type (0800, fixed or automatically) can be changed or the current location (for call through) can be defined. In addition, there is a submenu 'VoIP settings'. You can enter here specific parameters such as username and password (required for usage SIP application) or codec's which should be used by the app, as well as echo cancellation and network protocols. Experienced users can optimize for example the call quality or the use of the available bandwidth. Using the 'Reset' button, all 'VoIP settings' are being set back to its original parameters.

Imprint (Android, iOS)
All relevant data from the publisher of the app are displayed in the imprint: company address, contact Information, management details and commercial register information.

Help Menu (Android, iOS)
The app has a short help menu which provides an explanation of the most important services, functions and their symbols.

One-Click Call from the Phonebook (only Android)
Contacts can be called from the phone book with just one click if using the hybrid app.
After the user has selected a contact to call, a selection of dialers is shown which
are installed on the smart phone. At this point, the hybrid app can be selected. You can then select between CT (Call Through) and VoIP (Internet telephony).

One Click SMS from the Phone Book (only Android)
Just like the One-Click-Call, text messages can be written and send with just one click directly from the phone book. When selecting a contact you can choose between the different providers installed on your smart phone by clicking on the message symbol. At this point, the hybrid can app can be selected.

Display the Credit Balance (Android, iOS)
The current balance, is displayed to the user permanently in the app (if data connection is available).

Display the Minute Rates for Destination Number (Android, iOS)
Already after entering the destination number, the price per minute for the dialed phone numbers is displayed to the user.

Account Balance Warnings (Android, iOS)
The user is warned via a dialog when the limit of his current balance is lower than one Euro.

2.2 Offline Features

The app is available offline with limited features (Android, iOS).
With available data connection (online mode), the full functionality of hybrid app is offered. With unavailable data connection (offline mode) the functionalities offered are limited. While being in the offline mode an icon appears. In this manner, the user is informed that currently the full functionality of the app is not available.

The following features are available in the offline mode as well:

Automatic Login (Android, iOS)
After the first successful login, the login data are stored until the user logs off. With re-opening the hybrid app, the login takes place automatically without re-entering the user data.

Offline Call Through (Android, iOS)
Offline-call through functions the same way as the classical call through telephony, with the only difference that the destination number is signalized via DTMF over the native dialer of the smart phone.

Offline Callback (Android, iOS)
The callback number is called and a direct call back is initiated, as in the classical callback.

Update of Phone Book Entries (Android, iOS)
If the phone book is being edited while using the app (e.g., a new entry is added), then the change is not visible in the app. For this reason, the phone book has a 'Refresh' button, which updates the phone book in the app. After pressing the button, new entries are in visible in the phone book.

Display of Contact Pictures (Android, iOS)
As well as in the native phone book, the respective contacts with an image are displayed in the app (only if an image is existing).