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Remote Control User's Manual

Safe Phone For Kids Program

2/15/2015

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System Overall Design

The SafePhoneForKids System consists of two Apps, including a parental control App (the “Blocker”) that will be running on kid’s phone, and a remote control App (the “Remote”) that will running on parent’s phone.

The communication between the Remote and the Blocker is through background SMS, which will be hidden from the client. The current communication module is designed based on Android 4.3 and lower. If kid is using a phone with higher version Android system, the Blocker needs to be updated so that background SMS can be hidden.

Communication messages are encrypted, and authenticated in two ways, messages from the Remote to the Blocker must be sent from the pre-defined control phone and contains the correct password, and messages from Blocker to the Remote must be sent from a phone number stored in the Remote and contains the correct password.

The Blocker App is password protected, locked (can’t be uninstalled without a password) and can also be stealth (no icon in App list), any change to the Blocker App (install, uninstall, and update) will be notified to the Remote App. These mechanisms will prevent kids from tampering with the Blocker App.

The direct SMS communication design between the Remote and the Blocker App will not require any middle server, the information will not be stored anywhere else.

Must Know Before Start

This is a **must-read** check list to ensure the program works correctly.

On parent's phone:

- Passwords must be set , and they must match blocker App's password. The default password is "123456".

On kid's phone:

- Download the parental control version of the Blocker App from our web site.
- Parental control version of the Blocker will show up in your App list as "GPS settings", with a satellite icon.
- Passwords must be set , and they must match remote App's password. The default password is "123456". After the password is set, the Blocker App can't be opened by pressing the App icon any more. You need to call the password as if you are calling a regular phone number, that will open the blocker.
- Parent's phone number (the phone on which the Remote App will be installed) must be set in the Blocker App, under Mobile Monitor setup, master phone number.
- The lock App option must be enabled to prevent client from uninstalling the App, under Mobile Monitor setup, lock app.
- The hide App option can be enabled to hide the App from the phone's App list, under General App setup, hide blocker.
- Installing any other 3rd party text messaging App or call management App should be strictly forbidden, as that will break the Blocker's functions. Remote monitor should be enabled to monitor the App install/uninstall on the phone.
- The phone's mobile data should be enabled, so that license check can pass and updates can be automatically downloaded.
- The "auto update" option on phone's Play Store App must be enabled; otherwise the update of the Blocker App will not be automatically pushed to kid's phone. If the remote monitor is enabled, an App update will cause an App removed message to be sent, followed immediately by an App replaced message.

Change Log

Date	Version	Change	Author
2/15/2015	1.0	New release	John

Terminology

Here are some terms used in this document:

- Remote App: The App that will be used by parent to remotely control the App on kid's phone.
- Blocker App: The App that will be installed on kid's phone to control calls and text messages.
- Phones: the phones that will be managed by this remote App, one remote App can be used to manage multiple phones.
- Users: the kid(s) that will be using the phone(s).
- Contacts: the number or person with whom parents want to control the communication to/from kids, could be a person allowed to communicate, could also be a person not allowed to communicate.
- Connections: Associate a contact with a kid, could be allowed or not allowed, this will be used to control the communication between kids and other parties.

Remote Control App

The Remote App is used by the parent to store and manage user data, and control the communication to the Blocker App. One Remote App can control multiple phones.

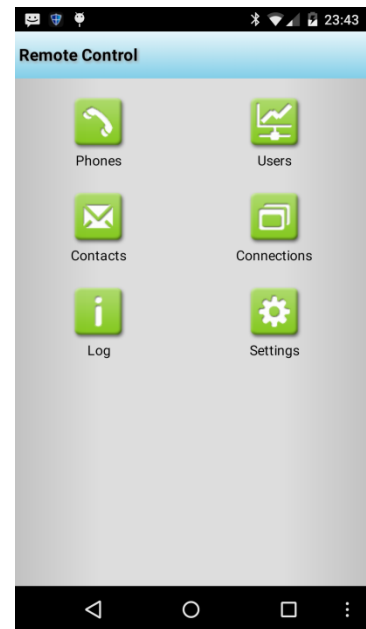
1. Settings

Press the “settings” button to bring up the setup menu for the Remote App.

a. General Setup

General setup contains settings apply to the whole App:

- Set Password: The password is used to authenticate messages from Remote to the Blocker, the password must match the password in the Blocker on kid’s phone. The default password is 123456.
- Event Notification: Show notification for new message from kid’s phone.
- Location Notification: Show notification for new location message from kid’s phone.
- Encrypt Message: Encrypt the messages from the Remote App to the Blocker App.
- Map Display Data: Select how many location data points should be displayed on the map.



b. Default blocking setup

This controls the blocking option when adding a number remotely to Blocker’s blacklist. When parent remotely adding a number to the blacklist on kid’s phone, these options will be sent as well and stored in the Blocker’s blacklist.

2. Phone Management

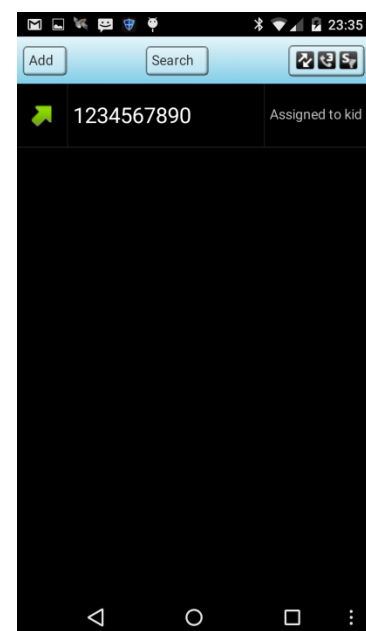
Press on the “Phones” button to bring up the phone management window.

a. Add, Search and Sort Menu

The top of the phone management window has three function buttons, add, search and sort, that can be used to add new number, search and sort existing numbers.

b. Phone number list

The main panel is the phone number list, each phone has three status, “Not activated”, “Active” and “Assigned”, parents can use their own definition to determine how to track the phone

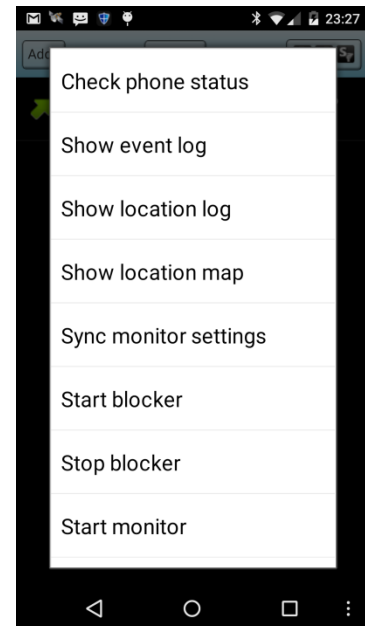


status. For example, change the phone status to “Active” after the Blocker App is installed and the phone is ready to be given to kids.

c. Action menu for each number

Press and hold on a number will bring up the action menu for each number. The action menu contains the following actions:

- **Check phone status:** remotely check the status of the Blocker App installed on this phone, a message will be returned with Blocker’s status.
- **Show event log:** display log information.
- **Show location log:** display location information.
- **Show location map:** display location information in a map.
- **Sync monitor settings:** this will bring up a settings window, and can be used to remotely control the mobile monitor settings on kid’s phone.
- **Start blocker:** a command will be sent to start the blocking on kid’s phone.
- **Stop blocker:** a command will be sent to stop the blocking on kid’s phone.
- **Start monitor:** a command will be sent to start the mobile monitor on kid’s phone.
- **Stop monitor:** a command will be sent to stop the mobile monitor on kid’s phone.
- **Delete record:** remove this phone from the list.
- **Change to active:** change the phone status to active.
- **Deactivate:** change the phone status to not active.
- **Assign:** assign the phone to a kid
- **Call:** make a call to this number
- **Text:** send a text message to this number

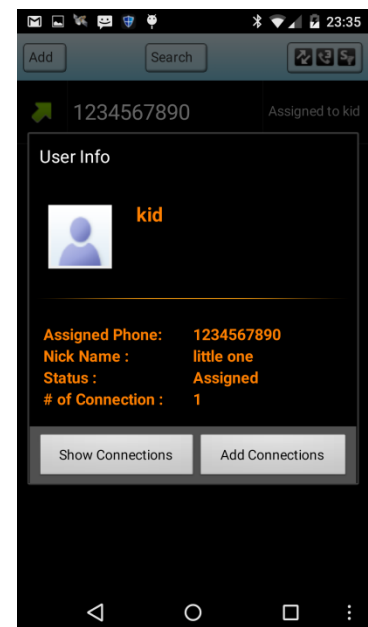


d. Info window for each phone

Short press on the number will bring up an information window about the kid that has been assigned this phone; the current connection information can also be brought up from client information window.

e. Control menu

Press the menu key on the phone will bring up a control menu on the bottom of the screen, which can be used to clear the phone list, and export the list using email.



3. User Management

Press on the “Users” button on the main menu to bring up the user management window.

a. Add and sort menu

The button on the top right of the user management window can be used to add kid(s) to the list.

b. User list

The main panel lists kid’s information, each kid has three status, “New”, “Active” and “Assigned”, parents can use their own definition to determine how to track the user status. For example, change the user status to “Active” after the user is ready to be given a phone.

c. Action menu for each user

Press and hold on a name will bring up the action menu for each user. The action menu contains the following actions:

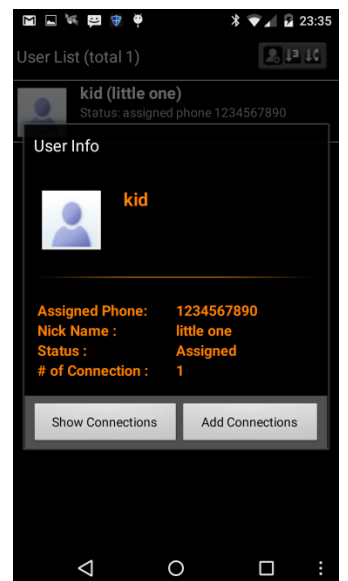
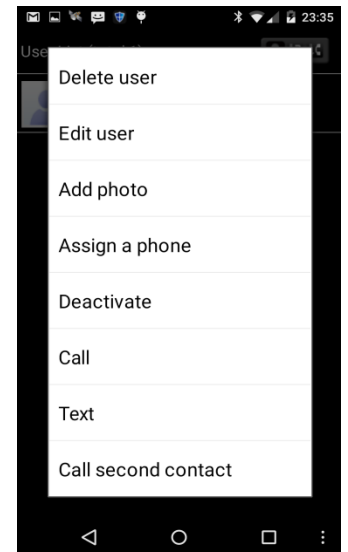
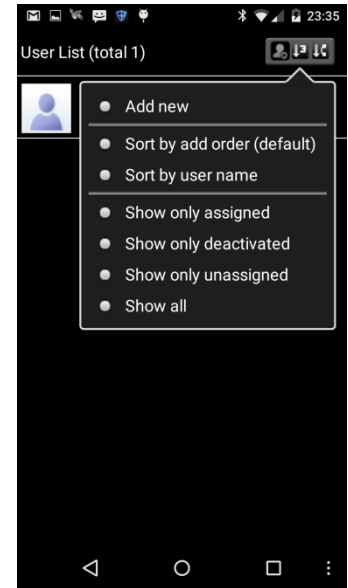
- Delete user: delete this entry from the list.
- Edit user: edit the user information.
- Add photo: add a photo to this user.
- Assign a phone: assign a phone number to this user.
- Deactive: change the status to not active.
- Call: make a call to this user to his assigned phone number.
- Text: send a text to this user to his assigned phone number.
- Call second contact: make a call to another contact number of this user.

d. Info window for each user

Short press on the number will bring up an information window about the user; the current connection information can also be brought up from client information window.

e. Control Menu

Press the menu key on the phone will bring up a control menu on the bottom of the screen, which can be used to clear and search the user list, and export the list using email.



4. Contact Management

Press on the “Contacts” button on the main menu to bring up the contact information window.

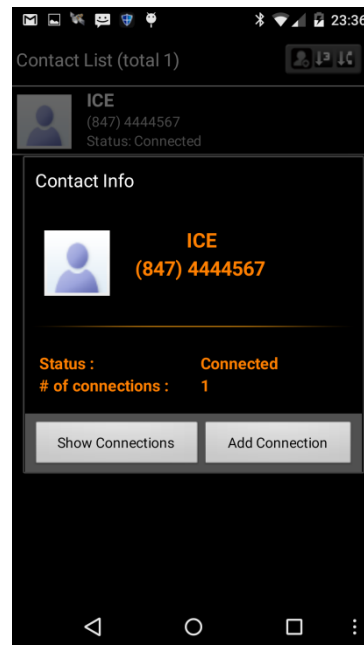
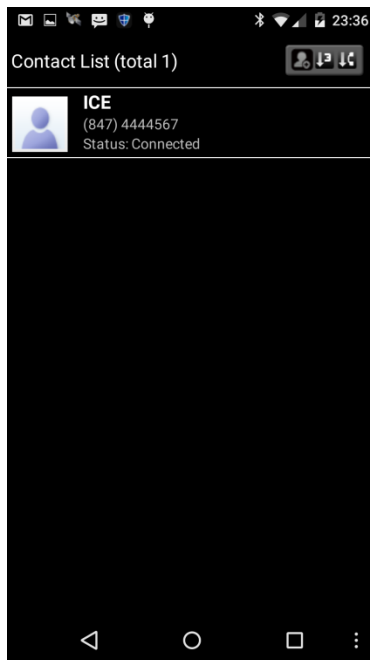
The contact list is used to manage the contacts that might be communicating with the kids, either the “bad” contacts, or the “good” contacts. You’ll be able to remotely add/remove the contacts to the blacklist or allowed list on kid’s phone.

The contact list works very similar to the user list, use the function button on the top right corner of the screen to add and sort the contacts.

Press and hold on a contact name to bring up menu options to edit, delete, add photo, call and text.

Short press on the contact name to bring up an information window of the contact.

Press the menu key on the phone to bring up menu options to clear, search and export the contact list.



5. Connection Management

Press the “Connections” button on the main menu to bring up the connection management window.

Connections are used to associate a contact with a kid, either a “bad” connection that can be added to kid’s blacklist, or a “good” connection that can be added to kid’s allowed list.

a. Add, Search and Sort Menu

The top of the phone management window has three function buttons, add, search and sort, that can be used to add new connection, search and sort existing connections.

b. Connection list

The main panel is the connection list, which displays the user and connected contact.

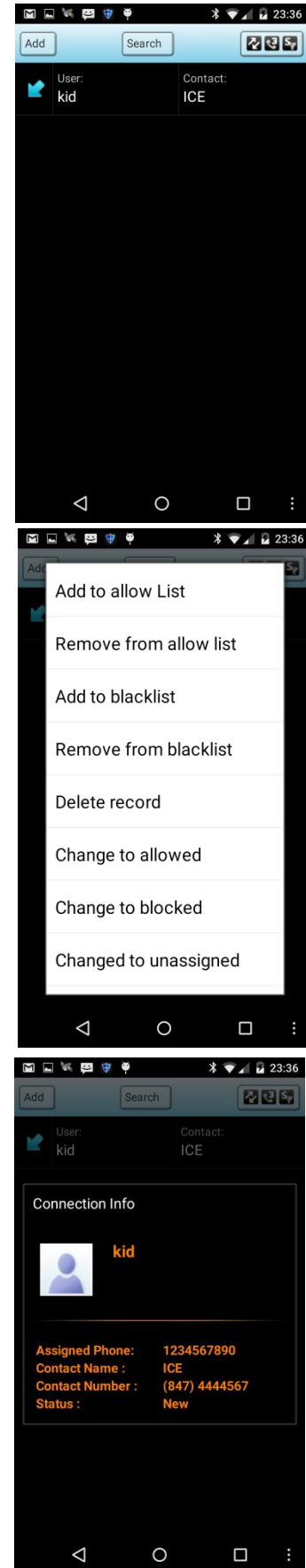
c. Action menu for each connection

Press and hold on a connection will bring up the action menu for each connection. The action menu contains the following actions:

- Add to allow list: add this contact to kid’s allowed list in the Blocker App.
- Remove from allow list: remove this contact from kid’s allowed list in the Blocker App.
- Add to blacklist: add this contact to kid’s blacklist in the Blocker App.
- Remove from blacklist: remove this contact from kid’s blacklist in the Blocker App.
- Delete record: delete this connection record.
- Change to allowed: change the connection status to allowed.
- Change to blocked: change the connection status to blocked.
- Change to unassigned: change the connection status to unassigned.
- Edit: edit the connection information.

d. Info window for each connection

Short press on the number will bring up an information window about the connection.



e. Control Menu

Press the menu key on the phone will bring up a control menu on the bottom of the screen, which can be used to connection list, and export the list using email.

6. Event Log

Press “Log” button from the main menu to open the event log, event log currently record the following information for each phone:

- Commands sent from the Remote, including start/stop blocking service, start/stop monitor service.
- Response from the phone, including start/stop blocking service response, start/stop monitor service response.
- Blocker App license fail notification, to notify the phone manager that the Blocker App license check failed and will not be turned on.
- All remote monitor messages, including incoming/outgoing calls, incoming/outgoing messages and App installation/uninstall/update.

Press and hold on a log entry to delete it, press the MENU key on the phone to clear, search and export the log.

Blocker App

Blocker App will be running on client's phone to control the incoming/outgoing calls and incoming/outgoing text messages.

For complete user instruction on the blocker App, please referring to the "Extreme Call Blocker User's Manual" document.

Some specific features have been implemented for parental control, which are not in the regular Extreme Call Blocker App, instructions are listed below.

1. Download and install the Blocker App

The parental control version of the Blocker can not be downloaded from Google's play store, it can only be downloaded from our server.

After install, the Blocker's name in your App list is "GPS settings". After the password is enabled, pressing the app icon will only open the GPS settings page on the phone. To open the App, make a phone call to the password number as if you are calling a regular phone number, the App will open if password matches.

2. Paying for subscription

The Blocker App is subscription based with a 7-day free trial period, you'll be asked for the payment information even for the 7-day free trial period , but will not be charged for it. The charge automatically starts after the free trial, unless you cancel the subscription.

3. Setup password

Before the phone is distributed to a kid, a password must be set, so that the communication message from the Remote can be authenticated.

The password must be the same as the password on the Remote App, otherwise the communication message will be blocked.

To setup a password, go to Blocker's settings, general App setup, enable the password option and setup the password.

4. Setup master phone

Before the phone is distributed to a kid, a master phone number must be set; the master phone number should be the phone that has the Remote App installed.

To setup a master phone number, go to Blocker's settings, mobile monitor setup, use the "Master phone number" option.

5. Lock the Blocker App

The Blocker App can be locked so that it can't be uninstalled without a password.

To lock the Blocker App, go to Blocker's settings, mobile monitor setup, enable the option "Lock Mobile Monitor". This will lock the entire Blocker App.

6. Enable the stealth mode

The Blocker App has a stealth mode to hide the App icon from the App list.

To enable the stealth mode, go to Blocker's settings, general App setup, press on "current App version" 5 times, exit the settings, then go back in, enable the "hide blocker" option, then restart the phone.

After the stealth mode is enabled, the only way to open the App is by dialing the password on your phone's dialer pad.

7. Turn on/off the Blocker

The blocking service can only be turned on/off via the Remote App, it will be automatically turned on after each phone restart.