

## Neo App Suite

### Case Study

The application is designed for users who have Parrot Minikit Neo car kit. The app significantly extends the capabilities of the device and provides a convenient way to access the device settings in a user-friendly mode.



**Customer:** Parrot

**Project:** Neo App Suite

**Type:** Mobile development

**Requirements:** The customer wanted Elinext Group to develop a mobile application for Android phones and the iPhone that will provide users with the possibility to communicate with hands free car kit using Bluetooth connection of their phones. (for more information about Minikit Neo, please go here). It was decided to assign one developer per platform.

**Challenge:** The first challenge for our developers was to implement the tool for controlling the Bluetooth headset profile events and functionality. On Android devices the application should connect rfcomm socket only if connection via headset profile is established. The second challenge was to avoid all the issues with connection via rfcommsocket. The issues were caused by sdp lookup process.

**Solution:** This information is under NDA.

**Results:** The outcome of the development project is an application for the iPhone (supports iOS 4.0 and higher) and Android phones (2.1 and higher). The main part of the application's functionality is based on communication with

Minikit Neo via Bluetooth. The app has the following functionality:

- Find my car. The application remembers location of Minikit Neo and shows it to the user on the map. Elinext Group's developers added a possibility to share coordinates with other users.
- Parking timer. The application will alarm when the parking time expires.
- Driving time reminder. The application alarms every preset time cell when the user is driving.
- Voice recognition. The user can choose which device should recognize voice commands.
- Dual mode. The user can enable/disable the possibility to connect 2 phones to Minikit Neo at the same time.
- Auto reply SMS (for Android devices only). When the user rejects calls, the application sends an SMS message with the text predefined by the user.
- Customizable jingle. The user can record custom turn on/off sounds.

- Neo information. Users will see here all the information about Minikit Neo. They can also look here for firmware updates.
- Help pairing. The user can get information about the pairing process.

**Region:** Worldwide

**Industry:** Utility

**Engagement model:** Fixed cost model

**Technologies:** Objective-C, iPhone SDK, Java, Android SDK

**Duration:** 2 months

**Staff:** 2 developers, 1 designer

**Platforms:** iOS (iPhone), Android



**Available on:**



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