



# parksms

Park and Pay

Pay your parking  
with an SMS

[www.parksms.it](http://www.parksms.it)

Parking services such as local governments and private enterprises can use Parksms to provide users with an easy and convenient way to pay the parking fees.

With **Parksms** users can pay the parking fees with an SMS sent from a phone registered with the service.

No more searches for coins in the glove box or need to place the pay stub on the dashboard.

**Parksms** handles all back-office operations such as funds availability, gate opening or verification by the agent on site.

**Parksms** is based exclusively on the SMS technology. Most of the communication from/to the user can be done while driving. The user places a call to a service number.



**Parksms** is an innovative, secure and self-contained application. **Parksms** is part of the Send&Go system of the framework Proteus®.

## proteus® Platform

Proteus® is the framework for the management of telephony services, messaging, promotions and others. The framework is used to manage user profiles, schedulers, message forwarding, payments system and electronic pursue, TTS and ASR. @i2000.it

The framework includes a list of advanced features such as electronic purse, automatic ticketing, users profiling, messaging system, back office management, reporting tools and others.

Proteus® modules can be purchased individually or bundled together. The system is available as a standalone application or as a web services.



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## Functional Features

### User profile configuration via web

Once the subscription has been activated, the user will receive a loginID and password (the latter can be changed at future time) to access the web page where to configure the profile.



Through the web access the user can:

- manage personal data;
- configure payment modes and billing;
- enter a default value for license plate, parking fees, communications, and others;
- enter the telephone number;
- associate multiple telephone numbers and vehicles to the same loginID;
- associate different phone numbers to different vehicles;

The registered user can then proceed to the payment by selecting either option:

- **Open parking time:** this option is used when there is no preset parking duration. In this case the user sends an SMS to start the parking time and an SMS to communicate the end of the parking service. The amount due will be calculated based on the time between the first and second SMS.
- **Preset parking time:** by using special codes, the user selects the number of parking hours (and minutes, if the fraction of hour option is enabled). The system record the start time to compute the parking end time.

Both options can also be selected by using the voice recognition system and by following the instructions.

In either case Parksms performs checks before authorizing the operation

- If the payment is made via a charge card, Parksms checks that there is enough credit to pay the fee
- Parksms rejects the authorization if the vehicle is registered as parked elsewhere

In case Parksms rejects the authorization, the system will send an SMS with the specific reason code.

### Payment and recharge

User can pay the parking fee with a credit card or bank secure link. Periodically (weekly, bi-weekly or other) the systems generates the invoice that is e-mailed or sent via postal service according to the user's preference. If the user does not have an automatic payment system, rechargeable cards can be purchased at authorized outlets. The cards are similar to phone cards and they are activated and recharged by sending an SMS to secure web site.

### Transaction verification by the parking agent

The parking agent uses a **PDA (Personal Digital Assistant)** to connect to the Internet via GSM /GPRS/HSDPA to access in real time to the management and control system. The agent inputs the vehicle license plate of the car exiting the parking lot and the system will display the vehicle status. The agent then will print the receipt with the amount due.

Parksms supports also the parking status verification in batch mode. The license plates of all vehicles in the parking lot can be stored in the PDA for a later transmission and verification.

Parksms supports programmable ways of handling the parking charges and violations. For example, in a city parking

lot, repeated parking offenses can be charged increasing amounts. Parksms can be configured to generate a parking ticket if the car overstayed the period by a configurable number of minutes. If the car overstayed within the tolerance, the system can send a warning via SMS.

### Back-office system administration



The system is configured via the web browser back-office application. Examples of system settings are:

- Configure the parking fee for a certain number of hours or fractions of hours
- Configure the tolerance for overstay in minutes
- Payment systems configuration
- User profile, logs and communication management including periodic solicitation for payments overdue. The tolerance for overstay can also be configured by customer according to selected criteria. Example: increase tolerance for overstay for users who pay on time.

The administration dashboard enables an effective system management by showing a real time summary of the system status including various statistics.



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