



EasyCaching

(version 1.1)

EasyCaching is a very simple application that will help you to participate in the famous game of geocaching using your iPhone.

It allows you to:

- Find a cache by its id (GC Code)
- Find a cache in your neighborhood
- Manage waypoints
- Load files from specialized sites to build a database of caches on your device.
- Perform coordinate conversions
- Take notes to facilitate the game (before and during the search)

It manages a specific compass, a map and sounds to make easy your final approach on the "treasure"

EasyCaching can be used without Internet connection during the phase of field research.

*Geocaching is a game well known by hikers and walkers in all countries.
You would find information about it on the site: <http://www.geocaching.com>
(registration recommended).*

Instructions

EasyCaching has four tabs:

- **Caches** allows you to select the cache object of research

- by entering the GC code
- or by choosing a cache among those in the vicinity (within a radius of 8 km)

- **Waypoints** manages waypoints:

A waypoint is defined by:

- Id (limited to 7 characters)
- Latitude and longitude using the "decimal degrees" format(DD)
- Description (free text limited to 120 characters)

Buttons allow the manipulation of waypoints:

- End => to finish entering the description field
- Clear => to delete the text of the description field
- Next => to browse the different waypoints
- Save => to save the waypoint displayed
- Delete => to delete the waypoint displayed
- OK => select the waypoint displayed as objects of research

The button "current position" creates a waypoint from the current position of the user. It automatically puts the latitude and longitude in the appropriate fields, and the date, time and accuracy in the description field. The user, if he wishes to conserve this position, has to complete the id and description and press "save".

- **GO** facilitates the search for the target that is selected in "caches" or "waypoints".

A compass indicates the direction to follow.

The distance to the target, accuracy and current position are displayed at the bottom of the screen.

A specific sound facilitates the immediate approach of the target (from 100m and then the sound changes at 30m and then at 20m).

A button (start / stop) will suspend the use of GPS to save battery.

The button "map" will display the appropriate map for the current research (user: blue, target: red). The button "compass" will return to the compass display.

- **More** includes four utilities:

- **Hiking notes**, which allows to take notes during the preparation of the hike.

- **Coordinates Conversion** to convert a geographic coordinate in three formats commonly used:

- DD decimal degrees (used in this application)
- DM degrees decimal minutes
- DMS degrees minutes decimal seconds

Just enter a coordinate in a given format and press the corresponding button, the conversion in the other two formats is immediate

- **Caches download**

It can load on the iPhone, caches information about a neighborhood, a region or country.

The process - simple - is divided into three stages:

1 - download (download) the desired file (extension: .gpx or .loc) from a specialized site on a personal computer.

2 - Transfer (upload) the file on our site

<http://www.cedres.net/upload.php> for formatting.

A specific name is then provided cdrnnnnn type (eg cdr12345).

(Note: this file is automatically deleted after 48 hours)

3 - Download this file on the iPhone

to do this, simply provide the file name (cdrnnnnn) in this screen.

This requires, of course, an Internet connection (3G or WiFi).

If you load multiple files this way, they add up.

Note: If for any reason, you want to delete all the files that comprise your database just enter as file name "clearAll" (case sensitive).

- **Help**

