

SignDown

Introduction

This is an application for mediating your Camera reality using your own appropriate Signposts. The signs will tell you the distance in metric or miles and the direction along the horizon or the distance through the earth!

Pictures taken with Camera can be saved on your iPhone or sent as e-mail.

You can configure your own Signposts from Places in the dictionary or add new Places from a Map Picker.

If you want to build your own Signpost In Real Life - in the garden, at a junction, at the agora etc you can get all required measurements for the Signpost using the E-Mail ++ Button

Definitions

Signpost

This is post or stand for attaching signs or plates. You can manage several Signposts. Each one has a name.

Place

This is a place In Real Life. It has it's longitude and latitude values and name. The name could be whatever - a city or nickname or some secret. You can look up a Place from a traditionally searchable Map.

Location

The Signpost in use is normally located where your iPhone is at the moment. But you can put the Signpost a (virtual) location if you want to. A 'Location' is just a 'Place'

Relationships

- Every 'Signpost' can have zero, one or more 'Places' mounted.
- Every 'Place' can occur on zero, one or more 'Signposts'.

Screen Connections



Figure 1 - Screen connections

Screens

Camera with Signpost in Use



Figure 2 - Camera View with Signpost in Use

- The Signpost could be moved around by a Tap and Move.
- The Signpost could be resized with a Pinch in or out.
- A single tap will toggle a frame around the Signpost
- When the camera is targeted to Earth the signs are displayed flat so the iPhone can be used as a compass with proper bearings.

- There are further two controls for taking a picture and or manage the application



Take a picture

> - Manage the application

Manage a Camera Picture



Figure 3 - Manage a New Picture

Save in Camera Roll

This will just save the picture i your roll.

Send via E-Mail

Will open up a Mail-dialog with the picture attached.

E-Mail ++

Will open up a Mail-dialog with the picture attached and detailed measurements for building the Signpost In Real Life

Cancel

Just dismiss the picture

Settings

The screenshot shows the 'SignDown' settings interface. At the top, there is a status bar with 'TELIA 3G', the time '17:43', and battery/compass icons. Below the status bar is a header with a 'Done' button and the title 'SignDown'. The settings are organized into several sections:

- Distances in:** A toggle between 'km' and 'miles', with 'km' selected.
- Sign Directions:** A toggle between 'Along Earth' and 'Through Earth', with 'Along Earth' selected.
- Location Name:** A text input field containing 'Now-Here @'.
- Location:** A toggle between 'Real' and 'Virtual', with 'Real' selected.
- Pick Virtual Location:** A button labeled 'Pick Virtual Location'.
- Virtual Location:** A text input field containing 'North Pole'.
- MapType:** A toggle between 'Standard', 'Satellite', and 'Hybrid', with 'Hybrid' selected.
- Reset Signpost View:** A button labeled 'Reset Signpost View'.

At the bottom of the screen is a navigation bar with four buttons: 'Signpost in Use', 'Places', 'Signposts', and a question mark icon.

Figure 4 - Main settings

This screen is reached from the front Camera View. The controls are:

Distance

You can display distance in metric (km) or miles

Sign Directions

The shown directions/bearings are of course in the proper relation to compass. But you can choose to let the directions to be along the horizon - as a traditional signpost - or to show the physical direction through earth!

Location Name

On top of the Signpost in Use the latitude and longitude is always displayed. You can tag this sign with more text.

Location

Location is 'Real' for the actual position of your iPhone. If you choose 'Virtual' the all values are calculated from the 'Virtual Location' below

Pick Virtual Location

Push this button in order to select one of your own 'Places' as a virtual location.

Virtual Location

Just a receipt for the picked virtual location.

MapType

If You use the Map Picker you can choose between different Types of Map.

Reset Camera View

If You get lost in zooming and moving in Camera view you can reset the view to default values.

Signposts in Use



Figure 5 - Signpost (in use)

Signpost Name:

Just for your memory. Not visible on the Signpost.

Save

Use this whenever something is changed.

Delete

Delete this Signpost. All Places will remain

Use:

With this toggle you will decide if the Signpost will in use. That is shown in the Camera View.

New Place

You can go direct to the Place screen to register new Places.

Places On This Signpost

This list tells which Places are on the Signpost at the moment. If you want to remove a Place from this Signpost just select that row.

Places Off This Signpost

This list tells which Places are not on the Signpost at the moment. If you want to add a Place to this Signpost just select that row.

Places

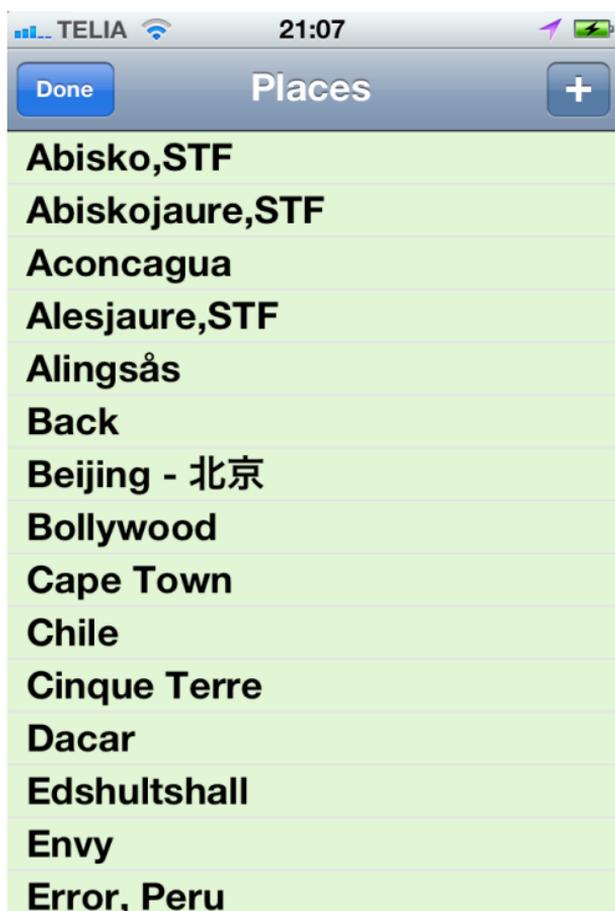


Figure 6 - Places

- Select a Place in a row to get to a detailed page.
- If You want to add a new Place just use the plus sign.

A Place

The screenshot shows a mobile application interface for editing a place. The status bar at the top indicates 'TELIA' network, signal strength, Wi-Fi, time '21:07', and battery level. The app's header is blue with a 'Done' button on the left and the title 'A Place' in the center. The main content area has a light green background and contains three text input fields: 'Place Name' (containing 'Beijing - 北京'), 'Latitude' (containing '39.904213'), and 'Longitude' (containing '116.40741'). A 'Here' button is positioned to the right of the Latitude field. At the bottom of the form, there are four buttons: 'Save', 'Delete', 'Cancel', and 'Map Up'. Below these buttons is a larger button labeled 'Add Place to Signpost In Use'.

Figure 7 - A Place

Place name:

Write whatever you want. This will be shown as the name for the Sign on the Signpost.

Latitude:

A decimal value between -90.00000 to 90.00000

Longitude:

A decimal value between -180.00000 to 180.00000

Save

Save all changes

Delete

Delete the Place

Cancel

Ignore all changes and go back to previous screen

Map Up

If you use this button values from Place name, Latitude and Longitude will copied to a new Screen where you can search Places using Maps

Add Place to Signpost in Use

This will just the Place to the Signpost in Use

A Place Picker from Map



Figure 8 - Place Picker from Map

Place:

Write whatever you want. It should though be something useful if you use the 'Search' Button.

Latitude:

You can enter values to be used for Map look-up

Longitude:

You can enter values to be used for Map look-up

Search

The value from 'Place' above is sent to the search engine. The results are pinned up on the Map.

Focus Lat/Long

The Map view will be zoomed using the values from Latitude and Longitude

Reset

Every nail will be removed and edit fields will be cleared.

Some notes:

1. When 'Done' is pushed values from Location, Latitude and Longitude are returned to the previous screen. In that screen you can decide if you want to save the result or not.
2. If no locations are found after a 'Search' you will be told.
3. You can tap a pin for showing details. Tapping the same pin will hide the details.
4. Tap outside all pins will hide any annotation.
5. Tap and hold for 2 seconds will drop a pin and show an annotation with the name Now-Here

Signposts



Figure 9 - Signposts

- Select a Signpost in a row to get to a detailed page.
- If You want to add a new Signpost use the plus sign.
- The Signpost in use - in the Camera view - is marked in this view.

A Signpost

Look above on 'A SignPost in Use'

Feedback

Any feedback is very welcome and will be treated with respect, pleasure - I hope - and feedback. Sure!

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