

User Manual

Documentation about installation and User Manual for the navigation software MagicMaps2Go as an Add-on for the CD-/DVD-Software „Interactive Maps“ and „ActionMaps/CityMaps“.

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1 First Steps

1.1 Installation and Update of MagicMaps2Go

To install MagicMaps2Go completely on your PDA please follow the steps:

Close all windows applications.

Insert the CD-ROM MagicMaps2Go in your drive.

The autostart-menu should appear with the selection interface.

a) In the autostart-menu choose the option „Update“. Your Interactive Maps application alternatively your ActionMaps should be updated. Please note that, that the Interactive Maps alternatively the ActionsMaps should be already installed on your PC.

b) In the autostart-menu choose the option "Installation".

The PDA-Addon should be installed on your PDA.

c) The option „Handbook“ opens the user manual and the full help to MagicMaps2Goi in the pdf-format, which is also suitable for printing.

Tip: If autostart is deactivated on your PC, please start the autorun.exe from your PC (in the Explorer on your drive, in which the CD is inserted) starting with step a).

If the Update and the installation is successful, please start the MagicMaps PC Software (Interactive Maps or ActionMaps). Every further step should be made in the PC Software.

In the following the steps in the Interactive Maps 1.5 and for the Interactive Maps 2.0 and other products (ActionMaps, CityMaps, etc.) are described.

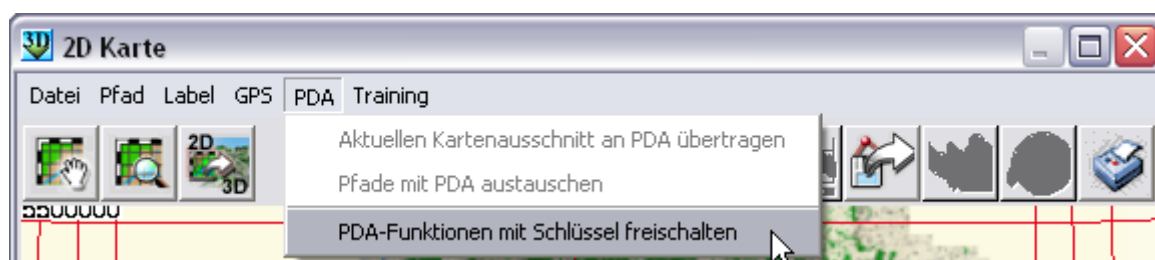
1.2 Activation of the PDA-Software in the “Interaktive Kartenwerke 1.5“

All functions for the PDA are available in the menu 2D-Mapview. You can find there, after a successful installation, beside the entry “GPS” the new entry PDA.

Tip: If this menu entry is missing, please go to step 1.1 in this manual.

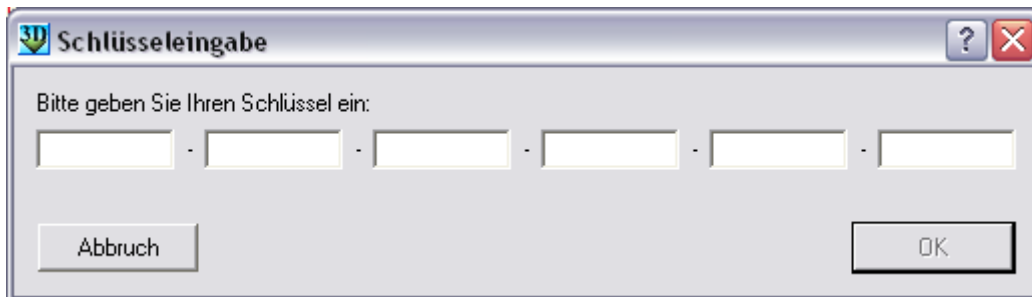
1.2.1 Entry of the licence key:

If you click the menu entry „PDA“ for the first time the entry will look like this:



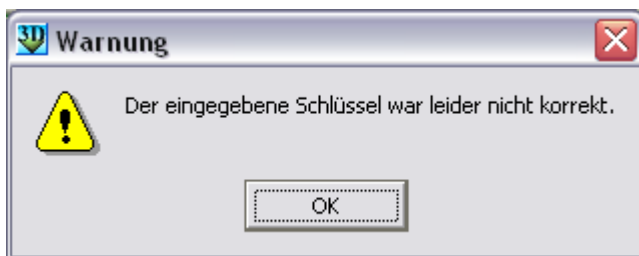
Please enter your licence key, you can find on the inside cover of your CD-ROM.
You don't have to enter the hyphens between the numbers these are included in the mask.

The insertion is not case sensitive.



If the entered licence key is valid, there will be no more messages. The functions for PDA export are activated right now. You are able to export maps and projects to the PDA and import data from the PDA.

If you made a mistake by entering the licence key a warning will be displayed with the following text:



Please enter your key one more time.

Tip: If you have already installed MagicMaps2Go version 1, you also have to enter the key. And you have to follow the steps under 1.2.1.

Tip: You are only able to exchange data with the MagicMaps2GO version 2 if you entered the licence key successfully.

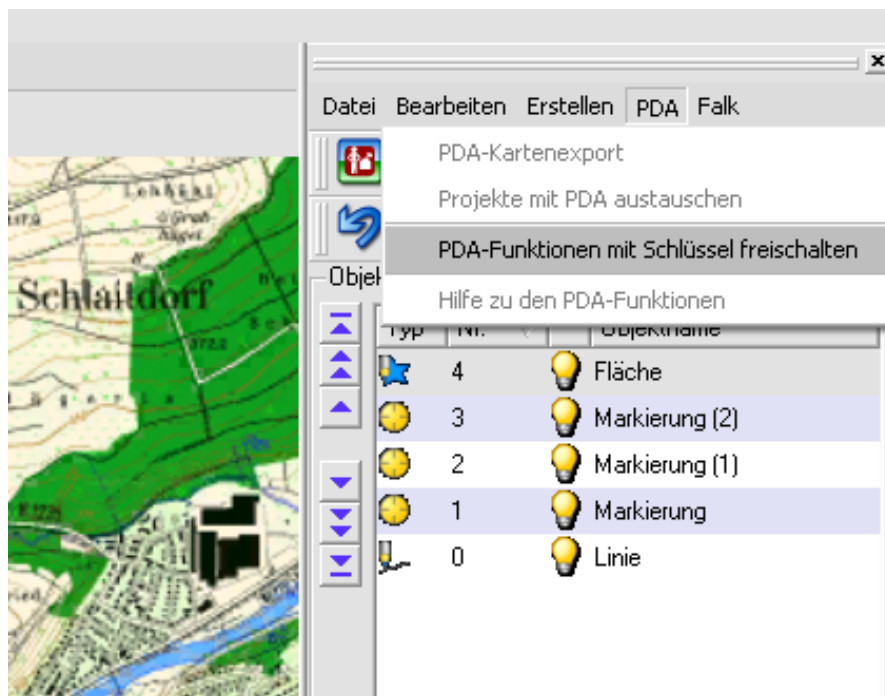
1.3 Activation of the PDA-Addon for the Interactive Maps 2.0 and other products

This manual entry is only important for the products Interactive maps 2.0, ActionMaps and the CityMaps (for example BikeArena Sauerland, 3D CityMap Stuttgart and so on). All functions for the PDA are available over the menu in the object manager. After a successful installation you can find there the entry "PDA".

Tip: If this menu entry is missing, please go to step 1.1 in this manual.

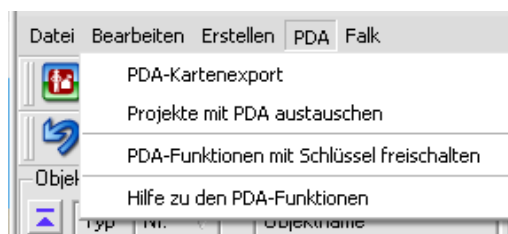
1.3.1 Entry of the licence key

If you click the menu entry „PDA“ for the first time the entry will look like this:



Please enter your licence key, you can find on the inside cover of your CD-ROM. You don't have to enter the hyphens between the numbers these are included in the mask. The insertion is not case sensitive.

If the entered licence key is valid, there will be no more messages. The functions for PDA export are activated right now. You are able to export maps and projects to the PDA and import data from the PDA.

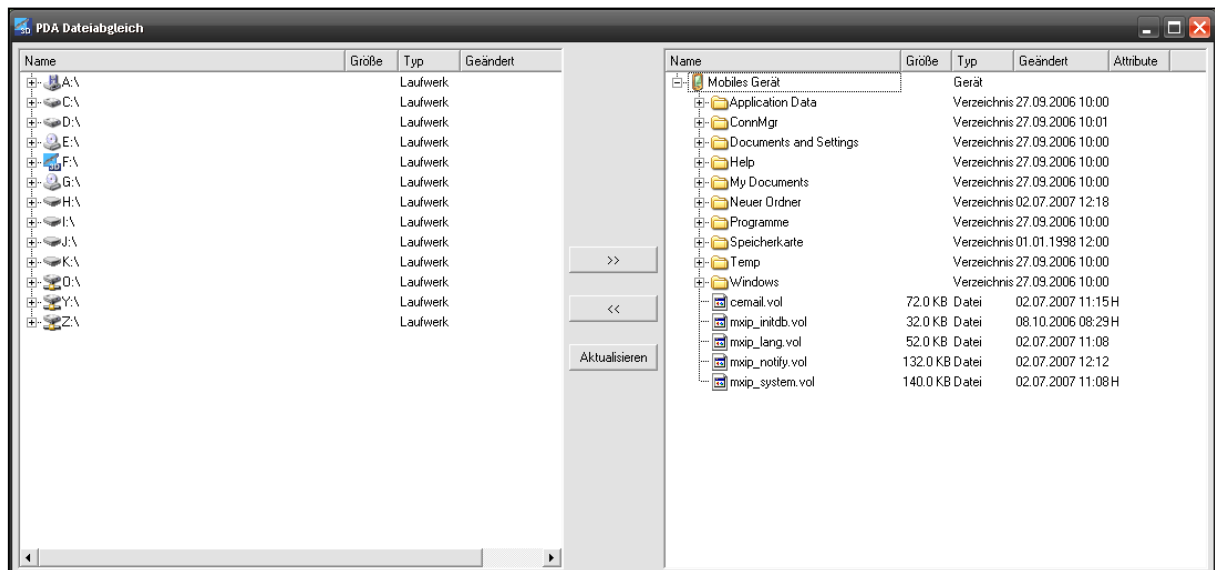


Tip: If you have already installed MagicMaps2Go version 1, you also have to enter the key. And you have to follow the steps under 1.2.1.

Tip: You are only able to exchange data with the MagicMaps2GO version 2 if you entered the licence key successfully.

Exchange of data and tours with the PDA

The menu entry „Exchange projects with the PDA“ opens up the dialog seen here.



In the left window you can see the drives and directories of your own PC, in the right window you can see the directories of your PDA.

With the arrow buttons in the middle you can copy data from one window into another. “Drag and Drop” is also possible, which means, you can select a directory in the left window and pull it with pressed mouse button in the right window.

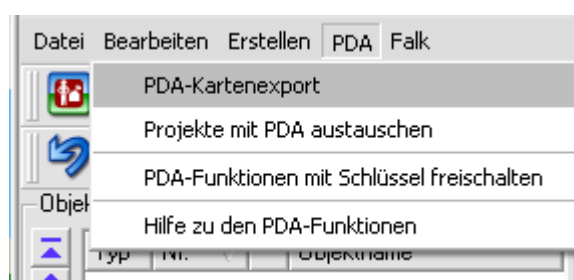
The dialog opens with the root directory selected in the both windows.

1.4 Export parts of a map on the PDA

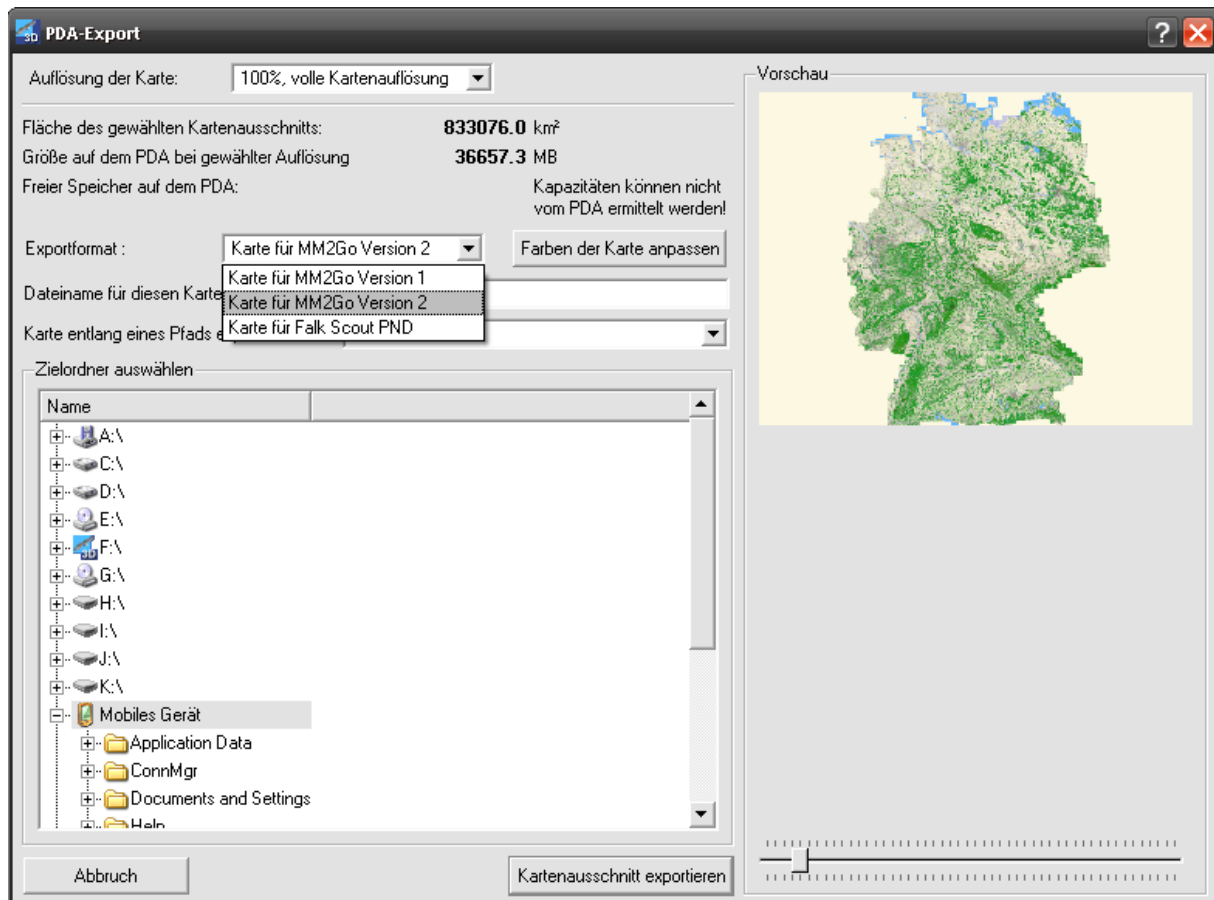
With the first entry „PDA-Mapexport“ it is possible to export the map, which is just selected in 2D-View. The part of the map will be exported as a digital document.

In the first move, you have to select the area you want to export in the 2D-view. For that purpose you should zoom to that area, you want to export. There are two possibilities to zoom. The first option is to use the mouse wheel to zoom in or out of the map. The second option is the zoom-mode. You can activate the zoom mode by clicking on the icon in the toolbar of the 2D view. By pressing and holding the left mouse button you can select a selection frame, which is zoomed in or zoomed out.

If you have selected the area you want to export you can click on the menu entry “PDA” and then on “PDA-Mapexport”.



Then the following window will open up.



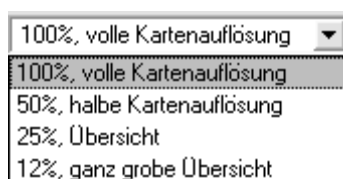
Choose the resolution of the map, give the area you selected a name and choose the location on the PDA, where you want to save the map. For exporting maps for MM2Go version 2 it is important that you choose the export format of the version 2 „Map for MM2Go version 2“. Otherwise the exported map can only be loaded into the version 1 of MagicMaps2Go. After clicking on the button “Export map area” the export will start.

The following settings are available as well:

1.4.1 Resolution of the map

The default setting is 100% that means that the map is transferred to the PDA in full quality.

But if you want to reduce the memory requirements, you can minimize the resolution of the map, for example to 50%.



1.4.2 Information about the area of the map: Size and memory requirements

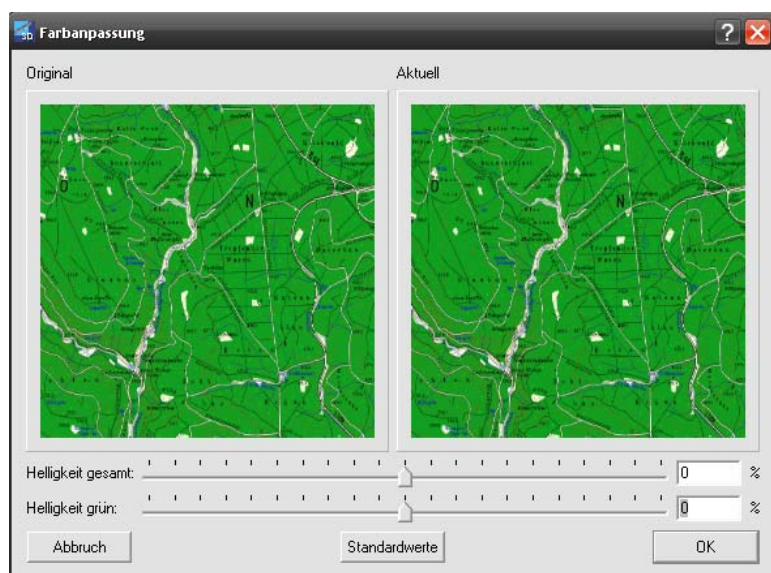
You can get information about the area of the selected part of the map and about the memory requirements in the dialog information. If you reduce the resolution, the memory requirements will sink.

The information about the memory on the PDA is calculated without the memory on the storage card. The access on storage cards is not possible; therefore you have to search for the free space on the storage card, by yourself.

In general Storage Card are excellent for saving the data, because they have more memory, then the PDA itself.

1.4.3 Changing the colors of the map – for example for areas with al lot of forrest

The button „Configure colors of the map“ opens up another dialog.



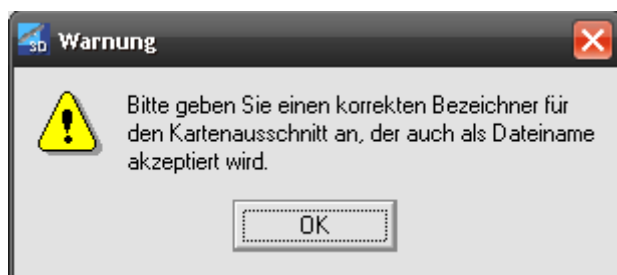
On the left side you see the original map, on the right side the changed mal. With the slider you can change the color of the map. This is helpful, if there are a lot of forest is displayed in the selected map area, because the green is sometimes shown really dark on some PDA.

The default value of both sliders is 0%. If you change the values, they will be saved and they will only influence the exported area. They won't influence the display in the PC.

1.4.4 Choose a filename for the map and an export directory

The filenames for the map should be in the known format, this means, that there shouldn't be any question marks, stars, slashes or quotation marks.

If you don't enter a valid map name, there will be a warning shown, after executing the export:



Under the text field for entering the filename, there is a selection dialog for the directory you want to copy the map to. The directory will be saved and is selected the next time you choose the export function.

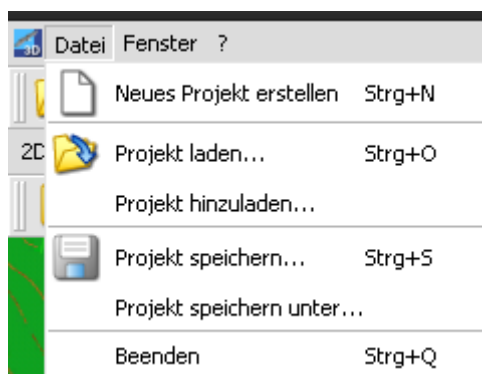
How to save a project in the Interactive Maps?

The IKT-format is the new project-format for the MagicMaps products. With this format it is possible to save more than one path and POIs (Points of Interest) in one file. This format will be used in the next MagicMaps products. This means for you:

You can save makers and path in one file and you can load that file into MagicMaps2Go.

1.5 How to save a path and more than one marker as a project?

If you have created your path and the markers on the map choose from the menu „File“ the entry „Save project under“. If you have already loaded a project, it is also possible that you choose the option “Save project”. If you have chosen the option “Save project under” you can choose in the next dialog a name for the project and you can export it after saving it you're your PDA.



2 MagicMaps2Go Version 4 User Manual

Thank you for purchasing the MagicMaps2Go 4.0 application. This has been designed to faithfully navigate and track off-road routes on a personal digital assistance (PDA) with the help of a GPS unit.

Please take a little time to read this manual prior to use.

2.1 The MagicMaps2Go Today-Plugin

The MagicMaps2Go Today-Plugin allows you to start MagicMaps2Go from the Desktop of your PDA.

Activation and Deactivation of the MagicMaps2Go Today-Plugins:

You could activate the MagicMaps2Go Today-Plugin in the “Today”-dialog of your PDA. For opening the “Today”-dialog, got to Start->Settings->Private->Today->Elements. There you can choose which of the installed Today-Plugins should be visible or not.

After starting the application on your PDA the main menu is shown.

2.2 Main menu:

The main menu is displayed upon starting the application.



Show Help:

This button opens the MM2Go 3.0 help file

GPS info:

GPS Info displays the GPS status, which includes the reception quality and current position.


Show map:


The map view enables the user to load maps and projects, manipulate the active track and save the current project.

This view advances to the navigation and the tracking mode.

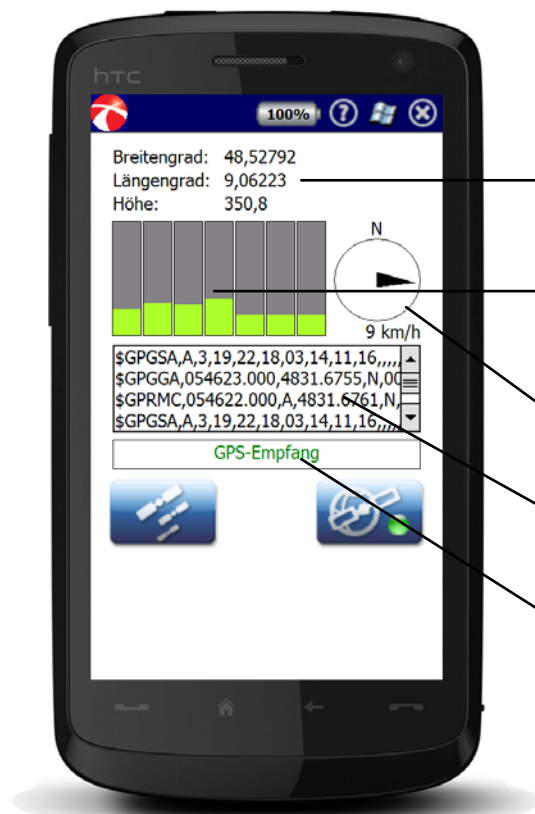
Settings:

All the applications settings can be configured from this point; it includes settings such as the default coordinate system and directory location.

Tip: By pressing the button  it is possible, to switch to the “Today”-Screen of your PDA. If you want to switch back to MagicMaps2Go, you simply have to click the link on your “Today”-Screen. The actual charge of your battery is

shown in the button . If the charge of your battery is under the value of 10 % a additional warning is shown.

2.3 GPS Info:



The MagicMaps2Go 2.0 application is capable of communicating with many of today's available GPS units. This view shows the information that is received by the application.

→ The longitude, latitude and height of the current position, if you have a valid gps signal.

→ The number of satellites that can be located in orbit or the number of satellites, which are used to calculate the actual position.

→ A wind rose that point to the north and also displays the speed of pace.

→ In this box you can see the data from the GPS, if GPS is active.

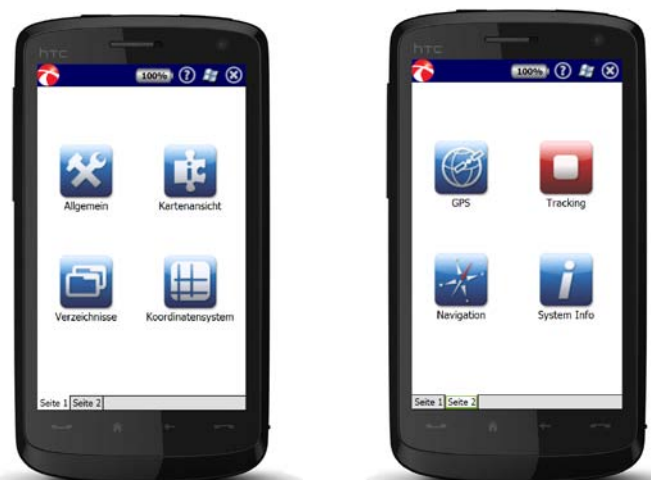
→ There are three states possible GPS to PDA situations:

1. No GPS unit is connected to the PDA.
2. The GPS is connected to the PDA but has no satellite reception
3. The GPS is properly connected to the PDA and the reception is working well.

The button on the left opens the GPS settings. The button on the right switches the GPS reception on and off. The button also have three states: You can see these states visualized in the color of the small bullet in the button. If GPS is deactivated the bullet has the color grey. If there is a connection to your GPS device, but there are no valid data transmitted, the color of the bullet will be orange. And last but not least, if the bullet has the color green, there is a connection to your GPS device and the data is valid.

2.4 Settings:

The eight setting options can be initiated on the following two tabs.



2.4.1 General Settings:



The main settings are divided in two pages.

Power:

On the page Power you can configure your power management.

Allow:

If you want to allow that your PDA can switch into suspension mode during the execution of MagicMaps2Go check the box of this option.

Switch:

With this option you can deactivate and activate the switching of the backlight.



Objects:

On this page you can define the appearance of the objects in MagicMaps2Go.

Width of path:

With this option you can switch the width of the path.

Size of POIs:

Switch the size of the POIs with this option.

Size of the GPS position marker:

Switch the size of the position marker.

Color of the GPS position marker:

Set the Color of the position marker.

Color of the track:

Set the color of the track, currently shown.

POI Pictures:

In this dialog, you can select the directory in which you want to save the taken pictures of MagicMaps2Go

**POI Bilder:**

Hier legen Sie das Verzeichnis fest, in welchem MagicMaps2Go Bilder von Foto-POIs abspeichern soll.

2.4.2 Map View

In this dialog, you can change the settings of the map view.

**Enable northing in map view:**

Activating the “Enable northing in 3D view“ option will rotate the map in such a way that it always point to the direction of pace regardless of the maps north location.

Navigation-keys:

You can select, if you want to zoom with the navigation keys of your PDA, or if you want to scroll with them.

Enable finger menu:

MagicMaps2Go enables a map view, which can be entirely controlled with the fingers. In that case the context and the closing menu looks different in comparison to the normal map view. If you want to enable the finger menu, select this option.

2.4.3 Directories:



Define the standard directory for loading and saving maps and projects. This option enables the use of external memory card with the same ease of use as the internal PDA memory.

2.4.4 Coordinate system

This setting enables the user to select the default coordinate system that the application will use in order to display its geographical data.



Notice:
The selected coordinate system is not restricted to the coordinate system of the original information source and can always be changed.

2.4.5 GPS:



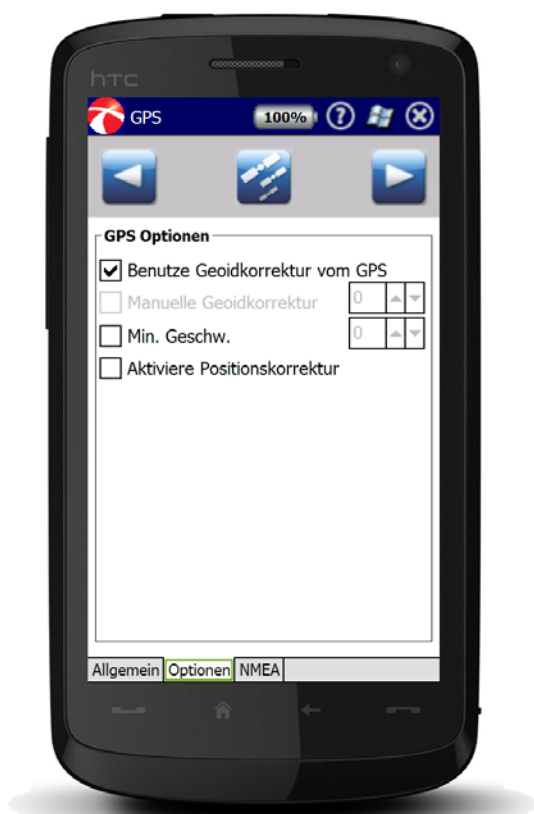
The GPS Settings are divided into three pages. General Settings, Options and the NMEA.

General:

It is important to select the correct communication port and baudrate for each individual GPS unit.

Notice: Consult your GPS provider for the correct value.

The button on the bottom of this screen tests the correctness of the configuration by activating the GPS connection. A result message of the test is shown in the box below.



Options:

The option "Use geoid correction from GPS" allows you, to activate the geoid correction of the GPS receiver and this will correct the received height.

If you want to correct the height manually, activate the option "Manual geoid correction".

If the data of the gps receiver should be ignored, if the movement of yourself is under a special value, activate the "Minimal Speed" and enter a value.

If MagicMaps2Go should use the internal position correction, for correcting the position while you are not moving, activate the option: "Activate position correction".



Simulator:

It is possible to simulate your gps signal in MagicMaps2Go. Therefore you need the logged signal of a gps device. GPS devices present their data in the NMEA protocol. A certain layout for data of a gps device. If you want to use the gps data later on as a simulation signal, you can choose to log the data in the simulator option. You simply have to check the box of the logging option and select a directory MagicMaps2Go should save the logging data in. Then MagicMaps2Go creates a file with the extension .nmea in that directory and saves the received gps data in that file. Afterwards you can choose that file as simulation file in a dialog in the mapview, explained below.

2.4.6 Tracking:



The Tracking settings are as follows:

Set the tracking frequency to match the speed of pace. This can be done by selecting one of the predefined values or prompting the value manually. This value defines how often information will be collected from the GPS unit:

Notice: A higher frequency rate delivers more accuracy but will also consume more memory and CPU use

Time Interval:

If you select the distance interval, points are stored after a certain time. Available values are:
 Walking = 5s
 Running = 4s
 Bicycle riding = 3s
 Off-road vehicle driving = 2s
 Fast moving vehicle = 1s



Distance Interval:

The frequency has the dimension unit meters. So the points are not stored after a certain time, but after a certain distance you made.

During tracking, the track is shown on the map.

2.4.7 Navigation:



In this setting you can configure your navigation settings. Choose the Navigation Direction, for configuring the start point of the navigation. If you choose forward the navigation starts at the first point of the loaded line – backward means, that the navigation starts at the last point. With the meters, selected in the “Turn off warning” you configure the distance to a turn off at which a warning is played and shown.

With the off-track warning you choose the distance to the path, MagicMaps2Go should tolerate. If you still in this area around your path, MagicMaps2Go will map you on the path. If you move out of this area, MagicMaps2Go will tell you that and will show the direction to the next path point.



On the page Acoustic you can select the audio warning, which will be played at a turn off or if you are leaving the path. The files are stored in the directory mp3s in the program directory. Therefore it is possible, to put your own mp3s in the directory and here some other sound than the originals. You only have to rename your files, so that they named as the original MagicMaps2Go files. With the slider you can select the internal volume of the audio messages.

2.4.8 System Information:

The system information view has three pages. The software, the hardware and the licence key page.

Software:

On this page you see every information about your operating system on your PDA.



Please make sure that this information is available before calling the MagicMaps helpdesk, this will save much time in locating the cause of problem. Therefore the button “Save Info” will export all the info seen in this setting to a little text file in the program directory. Please search for that file (called systeminfo.txt) and send that to us, if you want to contact the MagicMaps helpdesk.

**Hardware:**

On this page you see all the information about the hardware of your PDA. Processor type, program memory and so on.

Licencekeys:

You can see the licence key of your MagicMaps2Go installation in the box. If you have a version 3 and a version 2 of MagicMaps2Go installed, both keys will be shown in the box.

2.5 Map View:

The map view displays the active map and track which enables the user to manipulating POIs, changing the view mode and starting the active navigation. There are three buttons at the bottom of the screen



By pressing the left button you open the Load dialog.

The button besides the load button opens the save dialog.

The second button from the right open the interactive mode, in which you can activate the gps, the tracking or the navigation.

The right button opens the routing dialog.

If the gadgets are activated they will be shown on the map.

Once a map has been loaded into the view, it is possible with the help of the stylus to drag the map to any direction. Use the rocker button at the bottom of the PDA in order to change the maps ratio which will result in zoom in and out. With the

button a scrolling of the map is possible as well. You can change the functionality in the settings



For zooming you can alternatively use the entry in the context menu. There are 5 zoom levels

The map supports a content menu that changes according to the selected object on the map

2D / 3D-view: swap between a two dimension map and a pseudo three dimension map view

Fullscreen view: show the map without any buttons.

Show coordinate: show the coordinate of the selected point, which is useful for locating geo caching points of interest.

Add POI: The ability to add a new POI or even define a new track is one of the exciting new features of this application. This is option is only possible on 2D view and not available if the gps-mode is active. During this mode you can add a poi on the current gps position by pressing the rocker button. Adding a Photo POI is also available. If you choose that option a POI is linked

with a taken photo. After choosing this entry in the context menu the camera dialog of your PDA is activated and you can take a picture out of the MagicMaps2Go application. After taking that picture the POI is shown in the map and have a different color. If you enter the context menu by clicking on that POI, you can choose a new option. The "Show POI Picture" option allows you to see the taken picture in a small box in the map. If you click on the picture, a new dialog will be open, in which you can see a big version of your photo

Notice, that this functionality is not supported by every PDA. Some PDAs have a camera, but didn't support that function as well, because it has to be implemented by the vendor of your PDA.

Delete track: Deletes the current track.



Zoom: Choose between four zoom levels. Notice: Zooming without preinstalled levels is possible with the zoom buttons or with the navigation keys

Gadgets: If you choose the entry Gadgets, it is possible to change the visibility of the different gadgets.

The following gadgets are available:

- Contextmenu-Gadget
- Zoomgadget
- Scalebargadget
- GPS-Info
- Coordinate-Gadget and the
- Navigation-Arrow-Gadget and

Navigation-Information-Gadget, if the navigation mode is activated.



If a gadget is visible, it is possible to positioning the gadgets. There are two possibilities: An individual position or the standard position. If you want to position the gadget at a predefined position, you can select the entry Standard in the context menu. Otherwise you choose the entry Individual. With that option selected the gadget gets a red border and you can choose the new position of the gadget by pressing with the stylus on the map. The upper left corner is the reference, so this corner is set to the pressed position.





If you choose “Show coordinate” in the context menu, you will be directed in the dialog where you can enter a coordinate in a coordinate system MagicMaps2Go is compatible with. After entering the coordinates the POI is shown on the map (is function is really important for Geo-Cacher).

2.5.1 Gadgets



If you have activated some gadgets in the settings, they will be visible in the map view.

The Zoom Gadget:

Press the zoom buttons to zoom in or out of the card. Hold the buttons, if you want to zoom more than one step. Even the plus or the minus button can be positioned by yourself.

The Scale bar:

The scale bar shows you the actual scale factor of the map.

The coordinate display:

The coordinate display shows you the actual coordinates, if you tip with the stylus on the display. If GPS is active, the coordinates of the actual GPS position are shown. The height of the actual gps position is shown as well



The GPS-Gadget:

The GPS Gadget shows the actual status of your GPS connection. Is the gadget red, there was no GPS device found. If the gadget is orange, a GPS device was found, but there are no valid data available. If the gadget is green, everything is fine. Under the direction needle, which displays you the actual direction in dependence to the north direction, the satellites in the orbit are shown and the speed is displayed.

Click on the gps gadget to get in the GPS Info Dialog.



The context menu button:

The context menu button allows you to display the context menu by clicking on it. You can get the whole functionality of the context menu in there. If you select the “Add POI” entry, a POI will be created in the middle of the display.

The navigation gadget:

You cannot switch on or off the navigation gadget. It is visible, if you activate the navigation mode. The navigation gadget shows you the direction, in which you should move. Under the arrow the distance to the next turn off is shown or the distance to the path is shown, if you are off-track, in dependence to the values entered in the settings.

If you click on the navigation arrow there will be more information about the loaded tour and your position on the tour shown. The tour length, the passed distance and the distance to pass are shown.

Is the navigation gadget is activated; you can position the gadget and the navigation-info. You just have to choose the right option in the context menu, while navigation arrow and/or navigation info are visible.

2.5.2 Simulator



In the version 4 of MagicMaps2Go it is possible to simulate your gps signal. Therefore you have to load a file containing nmea data – the layout format of gps-data. To load such a file, you only have to click on the gps button in the interactive view of the map view. There will be two more buttons shown. With the button on the bottom, you can simply activate gps as known from further versions of MagicMaps2Go. If you press the upper button, there will open a new dialog, in which you can choose the file containing the nmea data. After pressing the load button in this dialog the gps signal is simulated and the data out of the nmea-file is used as gps data.



Every file with nmea data is possible to load in the MagicMaps2Go Simulator. It only has to have the extension .nmea. And there should be NMEA-Sentences saved in it.

2.5.3 Height Profile

If you have loaded a path in MagicMaps2Go and the path has some height information in the single points, then MagicMaps2Go can show you the height profile of the path. If you have gps activated and tracking activated, it is also possible to show the height information of the track, if you choose the entry height profile in the context menu. If the loaded or tracked path has some height information, the entry of the height profile in the context menu isn't grey anymore. If you select that entry, there will be shown another dialog, in which you can choose the line, if a project is loaded with more than one path with height information. Click on Show Profile and the height profile will be shown.



In the beginning the height profile is reduced on a few points for better visibility. The x-axis shows the length of the loaded path and the y-axis shows the single height values of the points. If you want to see more points of the path, you only have to zoom into the height profile. With the arrow keys on the right side, you can select different points.



2.5.4 Adding a point of interest (POI)

You can add important points – so called points of interest in MagicMaps2Go. Therefore only select the entry Add POI in the context menu. If you select the described entry there will be another choice for you. You can add a normal POI or a Photo-POI. Select Add POI and a POI is shown at the pressed position in the map. If you choose this entry out of the context menu shown if you press the context menu gadget or out of the finger menu, the POI is inserted in the middle of the

Choose Add Photo-POI for inserting a POI which is linked with a picture you can take. If you click on Add Photo-POI the camera dialog of your PDA is shown and you can take a picture with your camera. This picture will be displayed, if you click in the map view on the POI and select Show POI Picture. If you click on the picture itself, it will be opened in a new dialog and will be shown a bit bigger.

Attention: the function of taking pictures out of MagicMaps2Go is not supported by every PDA. Sometimes your PDA has a camera, but doesn't

support the function, because there are missing some function. That's a problem with the deployed functionality of your PDA by your vendor. Sometimes there are missing libraries and photos couldn't be taken out of MagicMaps2Go although a camera the PDA has a camera

2.5.5 Edit a POI:



Selecting a POI will open the following content sensitive menu:

- Edit POI
- Select POI
- Delete POI
- Mark POI as geo cache

Additional function, if you select a Photo-POI:

- Show POI picture

The entry "Edit POI" allows you to edit the coordinates, the color, and so on of the POI.



Once POI has been selected in order to be shifted, then the next time that the content sensitive menu will be opened the option: “Place shifted POI here” will be made available. (Notice the example that follows)

The action “Delete POI” deletes the POI ie Aktion „POI löschen“ löscht den POI.

The action “Mark as geo cache” allows you to mark the POI as a geo cache. If you activate gps the next time the navigation arrow and the navigation information will navigate you to that POI

If you select the “Show POI picture” entry, the linked picture of the POI is shown in a small box beside the POI. If you click in the map the box will be disappear, but if you click on the box (picture) there will be open a new dialog in which the picture is shown a bit bigger.



The following dialog will be open once the POI editor has been selected by the content sensitive menu. This lets the user give the POI a personalized name and a color. There is also the opportunity to change the coordinates of the POI and set it at a different position.

2.5.6 Moving a POIs:



Select „Move POI“ from the context menu. The POI will be marked with a red border. Afterwards select the new position of the POI by clicking on the position on the display.

2.5.7 Geocaching:



For marking a POI as a geo cache, select the POI with the stylus. Choose the “Mark as geo cache” option. If you activate GPS afterwards a orange line will lead you to the marked POI. Additionally the navigation arrow shows you the direction to the geo cache, and if you click on the navigation arrow the distance to the geo cache is shown as additional information

2.5.8 Load-Dialog:

This dialog consists of two tabs:

1. Load Map
2. Load Project
3. Load Track



On the page Maps, you can load a map (the map data should be exported in the PC application for MagicMaps2Go version 3). By clicking on load the map will be displayed. On the page Projects you can load a project file (.IKT with tours and points of interest) and on the page Paths you can load a path in the formats: .PTH, .GPX, .TK, or .TXT geographical).

Notice: the map must be created by the MapViewer PC application before it can be loaded. Two types of project are available: IKT projects with routes and POIs and PTH projects that have only routes

2.5.9 About project file format:

Project files offer the possibility to save many tours and POI on one single file. This file format can be created with the latest MapViewer PC version.

2.5.10 About map format version 4:

The MagicMaps2Go version 4 uses a new map file format that is not support by the previous MM2Go version 1.0 format. This means that previously saved maps can not be loaded by the new application. Therefore, only by loading the old map to the PC MapViewer and save them again in the new format will guaranty that the map can be exported to the new PDA application.

The new map also requires an identification key that will be register both at the file and the PDA unit. Only maps that share the same identification key as the PDA will be loaded to the PDA application. The maps should be exported for the version 3 of MagicMaps2Go.

It is only possible to load a single tour at one time. If the selected tour has more than one tour than the user can chose which tour will be displayed on the active map. This is a technical limitation that we are facing due to the limited CPU capacity of today's current PDA. Hopefully this limitation will disappear in the near future.

The last shown map will always be opened together with the application. On the other hand, the track will not be reloaded once the application is started.

2.5.11 ,The Save-Dialog:



This dialog has two tabs, one for saving a project in IKT format and another for saving a track in PTH format

Once a project has been saved, all its tracks and POI will be included in the saved file. If the PTH format has been selected than only one track will be saved and none of the POIs will be included. Therefore, it is always recommended to use the ITK file format.

If you are saving a file in the format pth-Format a warning will be shown, because pth is an older format an in near future the MagicMaps product

won't support that format.

2.5.12 Routing



In the routing dialog you can calculate a route on base of the ADFC-bikeroadnet.

Click the Start button, then the inputpanel will be opened. This lets you enter the name of a starting point. You don't have to type the whole name. You can also stop after typing the first letter, press the Enter key. You will be issued a list of found locations in the input field. Choose the right place and the software will switch back to the routing view. In the routing dialog the current position can also be used as a starting point.



Proceed the same with the destination. Specified start and goal location, so the route is calculated.

In the second page of

the routing dialog you can specify more parameters of the route. The values will be stored until the next entry in the routing dialog .



2.5.13 The Interactive mode:



By pressing the third button in the mapview you can enter the interactive mode.

This dialog looks similar to the mapview. The buttons at the bottom will change.

There you can activate the GPS (left buttons), activate the tracking (button in the middle) or the navigation mode (right button).

GPS-Button:

Activate the GPS-Mode or start the simulator.

Tracking-Modus:

Activate the tracking.

Navigation mode:

Activate the navigation mode.

Info: If GPS is activated you can add also a POI on the current GPS position by pressing the rocker button.

2.5.14 The GPS Mode



If you have configured your GPS connection, you can activate GPS by clicking on the left button in the interactive view. The GPS position marker will show you your actual position on the map.



Click on the left button and gps will be activated, if you configured it the right way in the settings. The position needle in the middle of the display shows your actual position on the map. If you deactivated “Enable northing in map” in the settings the map will be rotated in the moving direction. That means, that the direction, in which you are moving is also on the top (in the north). The moving direction is also shown in the gps gadget. Click on the gps gadget, if you want to open the GPS Info.

The bullet in the gps button and the gps gadget as well show the actual state of the gps connection. The bullet is grey, if gps is deactivated. The bullet is orange, if there is a connection, but MagicMaps2Go doesn't get any valid information of the gps unit. And the bullet is green, if there is a connection and the data is valid.



If you want to start simulation of MagicMaps2Go, click on the gps button and select the upper button.

A new dialog is shown, in which you can select a file in which some nmea-data is saved. If the file is chosen and the data is valid, gps is simulated in MagicMaps2Go.

You can choose a file, you logged before with MagicMaps2Go or you choose another file with some valid nmea data.

2.5.15 Navigation mode:

Once the navigation has been activated the navigation screen is shown. The navigation arrow in the middle of the displays shows the direction in which you should move. Click on the navigation arrow to display more information under the arrow.



The navigation arrow leads you along the path. In dependence on your settings the off-track warning is shown under the arrow, which means, that the distance to the next point on the path is shown under the navigation arrow. If you reached the goal of your tour, the arrow disappears and there is a different image shown. If you reach a turn off, there is also a distance shown under the navigation arrow. And if you select the acoustic warning in the settings, there is also a acoustic message played.

The information under the navigation arrow shows the followed meta information:

- The tour length
- The distance that has already been tracked
- The distance that is left to track
- The speed of pace

2.5.16 Der Tracking Modus



In the tracking mode the actual position is logged into a file and shown in the map. You can choose between a frequency in meters or in seconds. The track is shown red in the map view. If you stop the tracking, you can save your track into a file. If you forget to save the track and want to cancel MagicMaps2Go a message will ask you, if you want to save or cancel anyhowm.

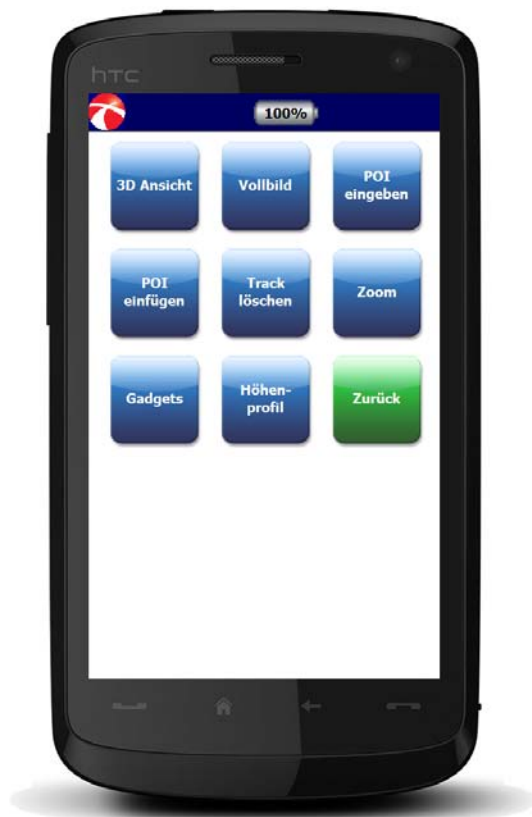
If there is a system crash MagicMaps2Go you won't lose your data, because MagicMaps2Go saves the tracking data in an extra file. This file is stored in a directory named logfiles in your program directory. Because the tracking files could use a lot of memory, it is important to delete them in fixed intervals. Therefore if there more than five files saved, you will be asked, if you want to delete the files, to have more memory.

2.5.17 Das Fingermenü



MagicMaps2Go has the possibility to have a map view which is fully operated with the fingers. Therefore different menus are designed to allow you a handling with the fingers. If you want to activate the finger menu, select the entry in the settings in the map view settings.

If you activate the finger menu, you will see, in the right upper corner of the map view a "Back" button. If you click that button the exit menu will open and will show you the functionality of the buttons seen before in the map view in the upper right corner.



The functionality is easily explained: The Help-button opens the help, with the desktop button you can go back to the today screen of your PDA. By clicking the Close Button MagicMaps2Go will switch one layout. And with the Back Button you go back into the map view.

The context menu was also designed to be operated with the fingers. You can open up the context menu by clicking on the context menu button, which is always visible in the map view which can be handled by fingers.

Some functions are little bit different implemented for using them with the fingers. If you want to insert a POI you select that option in the menu and then click on the map. With the last click in the card, the POI will be set at this position.



There are no entries grey in the finger menu. If an entry has no functionality, because there is a parameter missing, there will be shown a small message box, where this missing is explained. Or the

missing is explained in the text in the buttons. For example, if a gadget is not visible, the button to position the gadget tells you that, and if you click the button, there will nothing happen