

**Gira HomeServer/FacilityServer**  
PocketVisu®

**Gira HomeServer**  
0529 00

**Gira FacilityServer**  
2075 00

**GIRA**



# GIRA

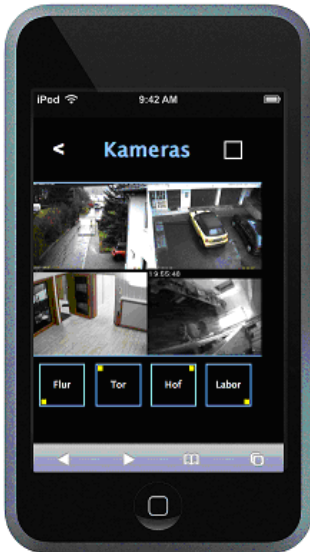
## Contents

<b>1</b>	<b>Introduction .....</b>	<b>5</b>
1.1	General Information .....	6
1.2	System requirements .....	6
1.3	Area of application .....	6
1.4	Specifics .....	7
1.5	Installation .....	7
<b>2</b>	<b>PocketVisu .....</b>	<b>9</b>
2.1	Sample project .....	9
2.1.1	Several projects .....	9
2.1.2	SafariTM browser .....	9
2.2	Start-up.....	10
2.2.1	Setup .....	10
2.2.2	Page size .....	11
2.2.3	Mask size and visualisation area .....	11
2.2.4	Popup page .....	12
2.2.5	Background image not shown .....	12
2.2.6	XXTRSPBG symbol.....	13
2.2.7	Hiding popups .....	13
2.2.8	Transmission .....	13
2.3	Start files.....	14
2.4	Starting visualisation .....	17
2.4.1	Safety .....	17
2.4.2	Reconnect and Refresh .....	18
2.5	Login mask, fields .....	18
2.5.1	User name .....	18
2.5.2	Password .....	18
2.5.3	Design .....	18
2.5.4	Refresh time .....	19
2.5.5	Save information .....	19
2.5.6	Log in.....	19
2.5.7	5th parameter.....	19
2.6	Installed files.....	20
2.7	Graphics files .....	20
2.7.1	Transparent .png files .....	20
2.7.2	Action area for buttons (transparent) .....	20
2.7.3	Click display (red area).....	21
2.7.4	Inactive buttons (white area) .....	21
2.7.5	No background clicks in masks (grey background) .....	21
2.7.6	No background clicks in popups (grey background).....	21
2.7.7	Standard icon for interface .....	21
2.7.8	Creating semi-transparent backgrounds .....	21
2.8	Javascript files .....	22
2.9	HTML files .....	22
2.9.1	Login masks .....	22



## 1. Introduction

The PocketVisu provides you with an operating interface for the HomeServer and FacilityServer which is ideally adapted to the Apple® iPhone™ and Apple® iPod® Touch devices (referred to as devices in the following).



**Figure 1.1: Example view, visualisation page with 4 cameras**

## 1.1 General Information

The information, data, values, etc. contained in these documents may be changed without prior notification. The illustrations are also non-binding.

Subject to technical modifications!



**Note: Up-to-date information is available on the Gira website.**

As the software for the device purchased by you is being continuously further developed and updated, information in this manual may no longer be up-to-date.

Current product information is always available on the Gira website:

[www.gira.com](http://www.gira.com)

Current software updates and documentation for your product are also available.

## 1.2 System requirements

Important: Only the Safari™ browser is supported in conjunction with the devices specified above!

The following is required for using the PocketVisu:

- Apple® iPhone™ and Apple® iPod® Touch
- HomeServer or FacilityServer.
- Expert software from Version 2.2.071114 (from 14/11/2007 or newer)
- HomeServer or FacilityServer firmware from Version 2.2.071114 (from 14/11/2007 or newer)
- Apple® device with Internet browser Safari™
- Manuals: Design definition PocketVisu for Apple® iPhone™ and Apple® iPod® Touch, operating manual for the device being used where applicable.

The sample project has been tested on a Windows PC with Internet Explorer 7, Firefox 2 and 3 and Opera 9.25, as well as on an Apple computer with a Safari browser 3.0.4.

## 1.3 Area of application

The HomeServer PocketVisu expands the existing HomeServer/FacilityServer visualisation functions. Any other use of the device and software is not permitted. Gira shall assume neither legal responsibility nor a warranty of any kind for errors and damage resulting from the improper use of the device and/or the related software.

The areas **Menu**, **Query** and **Seven-day time clock mask** are not included in the scope of the application.

### 1.4 Specifics

The HomeServer PocketVisu comprises the option of defining different sized visualisation pages.

A visualisation page can be opened as a popup mask.

No additional design is required for the HomeServer PocketVisu in a project. The layout is determined by the visualisation program.

Camera and graph are refreshed at the press of a button. Therefore, updating is the standard action.

Note: An action defined in the camera or diagram (e.g. calling an archive) can **not** be executed when using the PocketVisu.

### 1.5 Installation

The PocketVisu is a component of the HomeServer/FacilityServer Expert software and is automatically installed with it.





## 2. PocketVisu

### 2.1 Sample project

A sample project is included with the HomeServer/FacilityServer Expert software. The name of the sample project is:

**sample-yyyymmdd-pv.de**

Here "yyyymmdd" stands for the date of the respective file.

#### 2.1.1 Several projects

If you work on several project simultaneously and transfer them alternately to the HomeServer or FacilityServer, you should be sure to do the following:

**Empty the cache of your browser each time before changing projects!**

As you use the same file names for different projects, however the contents of these files may differ, incorrect displays in the browser may result if the browser accesses the cache instead of the current page and attempts to display the page of the same name from a different project.

#### 2.1.2 Safari™ browser

To work with the PocketVisu, you must allow cookies to be written to your device.

Proceed as follows for this purpose:

- Click on the menu item **"Einstellungen/Settings" in the main menu**
- Scroll down in the Einstellungen/Settings menu up to the **"Safari" entry**
- The **Sicherheit/Security** section contains an item called **Cookies akzeptieren/Accept Cookies**. Click on this item
- Select the item **Immer/Always** in the **Cookies akzeptieren/Accept Cookies** menu

Your device is not correctly set for working with cookies.

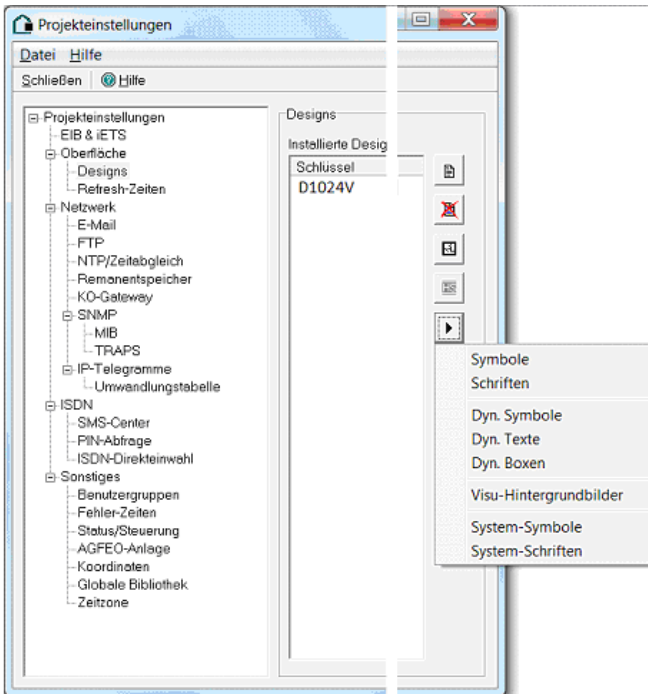
## 2.2 Start-up

### 2.2.1 Setup

The PocketVisu can be integrated in any desired project/design. Open the menu item **Setup in the Expert software**. Create the following two symbols in the **Project settings** mask (see Image 2.1). The image ID is decisive for the definition.

- Image ID: XXPAGE
- Image ID: XXPOPUP

The symbols can be assigned any name. However, using expressive names is advisable.



**Figure 2.1 Creating two symbols under "Project settings"**

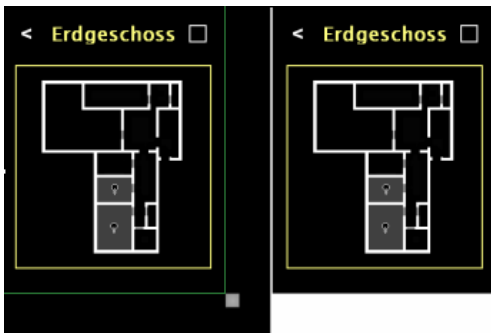


**Note: Do not create by copying or duplicating.**

Please note that the two symbols cannot be created by copying or duplicating another symbol!

### 2.2.2 Page size

If the area of a standard visualisation page is to be limited, this is possible with the XXPAGE symbol. If this symbol is set on a visualisation page, it defines the lower right-hand corner. All information which lies outside the limited area is not shown.



**Figure 2.2** Example of setting page size

Create the symbol as described above:

Image ID: XXPAGE

Designation (name): "PV\_Page\_Size".

The symbol can be used as an option. If this symbol is not used, the browser shows the entire area of the visualisation page.

Using a small, square symbol is advisable. The upper left-hand corner of the symbol defines the page size. The size and colour of the XXPAGE symbol are not significant, as it of course lies outside the defined display area.

The green frame on the left of the screen (see Image 2.2) shows the area defined by the upper left-hand point of the small grey XXPAGE symbol. The right of the screen shows the result visible in the PocketVisu.

### 2.2.3 Mask size and visualisation area

All HTML masks (of the sample project) of the PocketVisu are the same size:

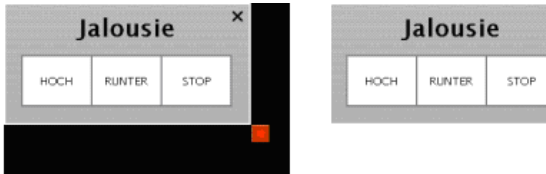
- 320 pixels wide and 232 pixels high

If you define the size of the visualisation area with the XXPAGE symbol to be smaller than the size of the HTML masks, the HTML masks cannot be completely shown.

### 2.2.4 Popup page

The PocketVisu offers popup visualisation pages.

If a visualisation page is to be laid over the visualisation page to be called (popup), it is possible with the XXPOPUP symbol. If this symbol is set on a visualisation page, it defines the lower right-hand corner and at the same time it defines this page as a popup. All information which lies outside the limited area is not shown. The page is laid centred over the existing page when it is called.



**Figure 2.3 Creating a symbol for a popup Left: Draft of popup page. Right: Called popup in the visualisation**

Create the symbol as described above:

Image ID: XXPOPUP

Designation (name): "PV\_Popup".

Using a small, square symbol is advisable. The upper left-hand corner of the symbol defines the page size.

In addition, the popup page should be surrounded by a transparent frame so that the frame around the popup is not visible.

A mask (e.g. message archive) can be called from a popup page. However, it is not possible to call another visualisation or popup page within a popup page.

Therefore, a navigation element must be defined on each popup page (e.g. "Navigation: Back" or "Navigation: Starting point"). A draft of the later popup can be seen together with the small red XXPOPUP symbol, which limits the area to be shown, on the left of the screen (see Image 2.3). The result which can then be seen as a popup in the PocketVisu is shown on the right.

With a popup page it is possible, for example, to realise device-specific popups, e.g. a popup for blind control.

### 2.2.5 Background image not shown

In the Expert software, the background images are automatically expanded or compressed to the size of the visualisation. In addition, a background image is obligatory for each page.

As with the PocketVisu only a small part of the entire visualisation area is used, a background image produced for this part would be shown completely distorted.

### 2.2.6 XXTRSPBG symbol

To avoid this, any desired background image can be produced, which is then not shown at all. This background image must be assigned XXTRSPBG as its image ID.

Then a symbol in the size of the visible PocketVisu can be used as a background.

The background colour which is visible when an "invisible" image is used can be set in the file **startguest.htm**.

### 2.2.7 Hiding popups

If a system mask is called from within a popup (again as a popup), it can be set (see paragraph marked in red) whether the "lower" popup is to be hidden until the "upper" popup is closed again.

This functionality is primarily practical when semi-transparent popups are used.

See function **useInvisiblePopup** in **startguest.htm** ("Start files" on page 14).

### 2.2.8 Transmission

The project must always be completely (images+data+voice messages) transferred to the HomeServer/FacilityServer.

### 2.3 Start files

There are three standard files:

- startguest.htm
- start2.htm (variant of startguest.htm)

Code listing using the file **startguest.htm** as an example :

Line	Code
------	------

1	<html>
2	<head>
3	<title>PocketVisu</title>
4	<meta name="viewport" content="width=320; user-scalable=1; minimum-scale=0.5; maximum-scale=1.0; initial-scale=1.0;">
5	<script type="text/javascript" src="js/ajax.js"></script>
6	<link rel="apple-touch-icon" href="/opt/pv/img/pvicon.png"/>
7	<style class="text/css">
8	body { background-color:black; }
9	input {padding:0px; margin:0px; }
10	</style>
11	</head>
12	<body scroll="no">
13	<!-- Visu -->
14	<div id="xbase" style="position:absolute; top:0px; left:0px; width:320px; height:480px; overflow:hidden; border:0px; border-color:red; border-style:solid;">
15	</div>
16	
17	<!-- Marking -->
18	<div id="xmark" style="position:absolute; top:0px; left:0px; visibility:hidden;">
19	style="position:absolute; top:0px; left:0px;" />
20	</div>
21	
22	<!-- Reconnect -->
23	<div id="xreconnect" style="position:absolute; top:0px; left:0px; width:320px; height:480px; overflow:hidden; text-align:center; visibility:hidden; background- color:#404040;">

```

24     <div style="position:absolute; top:130px; left:20px;
      width:280px; height:100px; padding:10px 0 10px 0; text-
      align:center; background-color:#ff8080; color:black;
      border:1px white solid; font-family:arial;">
25         <span style="font-size:14pt; font-weight:bold;
      ">PocketVisu</span><br/><br/>
26         <span style="font-size:10pt; font-weight:normal;">
      Restore connection...</span><br/><br/>
27         <span id="tryCnt" style="font-size:18pt;"></span>
28     </div>
29 </div>
30 <!-- Start -->
31 <script language="JavaScript">
32     addEventListener("load", function() { setTimeout (hideURLbar, 0); }, false);
33
34     function hideURLbar() {
35         window.scrollTo(0, 1);
36
37         // useInvisiblePopup()
38         // Optional. Default setting: popup remains visible
39         // Parameter:
40         // - Hide: 1 = Hide visualisation popup if systems mask is called.
41         useInvisiblePopup(1);
42
43         // setRefreshOptions()
44         // Optional. Default setting: escalating refresh active
45         // Parameter:
46         // - escalating refresh (0=No, 1=Yes)
47         setRefreshOptions(1);
48
49         startClientEx('user', 'passwd', 'design', 'refresh', 1);
50
51     } // END function hideURLbar()
52 </script>
53
54 </body>
55 </html>

```

Explanations

The explanations refer to the setting options in this file. It is assumed that the standard HTML commands are known.

Line	Explanation
3	Page heading or tab heading in the browser.
6	Integration of the PocketVisu icons for the interface of the device.
6	Background settings. Current: colour.
7-10	CSS settings for Login and Reconnect masks.
8	Background settings. Current: Colour
	If the visualisation area is smaller than the screen area, or if an image of the type XXTRSPBG is used, then this background becomes visible.
15	<div> "xbase". This container contains the entire visualisation.
18-20	<div> "xmark" with img "xmarkimg". The image entered here ("img/hide.png") is required for the click display.
23	<div> "xreconnect". Container for the Reconnect-Display mask.
24-28	This <div> defines the message box in the Reconnect-Display mask.
	The <span> with the ID "tryCnt" must be present, as otherwise it is possible to design freely with HTML here.
31-52	Client is started with JavaScript. Some things can be set:
41	Popups from within which system masks are called (as popups) remain visible or are hidden.
47	Type of remark: Escalating / Normal.
49	<a href="#">Running the client.</a>



## 2.4 Starting visualisation

The PocketVisu is started by calling one of the following pages in the Safari™ browser of the device:

**http://IP\_DES\_HS-FS/opt/hspv-gira\_en/startgast.htm**

The parameters can be adapted for this variant (see example, taken from the startguest.htm included with the project).

These are (in this order): **user, password, design abbreviation, refresh time** and **login behaviour**. A detailed description of the fields is provided in Chapter "Login mask, fields" on page 18.

In the code listing (see "Start files" on page 14), the line concerned is marked in blue.

Here is an example for the startguest.htm file:

**startClientEx('admin', 'admin', 'D1024V', 'R2',1);**

Important: If you log in with this variant, all cookies on the device will be deleted.



**Note: The start file can be assigned any desired name.**

Of course, any desired name can be assigned to the start file (startguest.htm). However, you should retain the file ending (.htm) and you should not use any blank spaces.

### 2.4.1 Safety

As the login data are saved unencrypted, we only recommend only using this variant for users, who only have an internal access authorisation. Otherwise it is possible for someone to obtain access to this file and misuse the data.

### 2.4.2 Reconnect and Refresh

If the connection to the HS/FS is disconnected, e.g. due to restarting the HomeServer/ FacilityServer, a reddish information window with the header "PocketVisu" and a note that an attempt is being made to re-establish the disconnected connection are displayed. This attempt at reconnection is repeated at intervals that are determined by the refresh time.

A number of asterisks are shown in the information window, each of which stands for a reconnection attempt already carried out.

As soon as the connection has been restored, the information window disappears.

If the user has logged in with the variant described in chapter "Starting visualisation" on page 17, he then returns to the page he was active on before the connection failed.

Exception: Popup pages. The user is on the page again from which the popup page was called.

## 2.5 Login mask, fields

The Login mask contains the fields and buttons listed in the following.

The data are created in the Expert software.

**Example** from the startguest.htm file: `startClientEx('admin', 'admin', 'D1024V', 'R2',1);`

### 2.5.1 User name

Input field, in example **admin**. Observe use of uppercase/lowercase characters!

User name for the login on the HomeServer or Facility Server.

This user is assigned the start page in the visualisation.

### 2.5.2 Password

Input field, in example **admin**. Observe use of uppercase/lowercase characters!

Password for the login on the HomeServer or Facility Server.

### 2.5.3 Design

Input field, in example **D1024V**.

Abbreviation.

Indicates which design or which visualisation page is to be displayed. Otherwise it has no further effect on the PocketVisu.

#### 2.5.4 Refresh time

Input field, in example **R2**. Abbreviation.

The type of refresh can be set in the file `startguest.htm`.

See function **setRefreshOptions()** in **startguest.htm**.

Normal refresh. If a change is caused with an element in the visualisation, for example a light is switched on, an automatic refresh of the page (the status of the object concerned is determined and shown on the visualisation) is carried out at intervals determined by the refresh time you have specified.

##### Example:

5 minutes (= 300 seconds) are entered as a refresh time. Then an automatic refresh is carried out every 300 seconds.

Escalating refresh. If a change is caused with an element in the visualisation, for example a light is switched on, an automatic refresh of the page (the status of the object concerned is determined and shown on the visualisation) is carried out at intervals that double each time. This takes place until a period of time has passed which was entered under the refresh time in the Expert software.

##### Example:

5 minutes (= 300 seconds) are entered as a refresh time. Then an automatic refresh is carried out after 2, 4, 8, 16, 32, 64, 128, 256 and 300 seconds. This is followed by a refresh every 300 seconds.

#### 2.5.5 Save information

Checkbox. If this checkbox is activated, the user name and password, as well as all other settings are saved on the device as a cookie

#### 2.5.6 Log in

Button. By clicking on this button, the user logs in on the HomeServer or FacilityServer with the information previously entered and starts the visualisation following a successful login process.

#### 2.5.7 5th parameter

There is one additional parameter in the **startguest.htm** file which, however, has no input field on the Login mask.

## 2.6 Installed files

The details of the PocketVisu are described in the following. These files can be adapted to the user's own needs (colours etc.) with a minimal knowledge of HTML.

The installed files are divided into several sections, each of which can be found in a separate subdirectory.

Sections:

- Graphics files, see Chapter "Graphics files", page 20.
- Javascript files, see Chapter "Javascript files", page 22.
- HTML files, see Chapter "HTML files", page 22.

## 2.7 Graphics files

The graphics files are stored in the **img** subdirectory of the **hspv-gira\_en** folder.

The files are used to enable, to prevent or only to display certain actions (e.g. clicks). They are expanded or compressed in the horizontal and vertical direction in accordance with the required area.

The graphics files described in the following can be replaced by you with your own should those contained in the sample project do not appeal to you. They may not simply only be deleted, but rather a file with the corresponding name must always be present!

### 2.7.1 Transparent .png files

Internet Explorer in the versions lower than Version 7 does not support transparent graphics of the type **.png**.

These graphics are first correctly displayed from Internet Explorer Version 7.

### 2.7.2 Action area for buttons (transparent)

Designation: **ax0.gif**

Transparent area, i.e. it has no colour and is therefore 100 percent transparent.

This file is used to be laid over all visualisation elements defined as clickable. It makes functioning buttons out of purely graphic elements.

### 2.7.3 Click display (red area)

Designation: **hide.png**

Only partially transparent, red-coloured area, i.e. it is not completely transparent.

This file is used to be laid over a visualisation element for a short time after the user has clicked on it. With it the click is made visible to the user. After one to two seconds the red area disappears again. However, this only occurs in the visualisation; the masks are excluded from this. Also see Chapter "Start files", page 14.

### 2.7.4 Inactive buttons (white area)

Designation: **hide2.png**

Only partially transparent, white-coloured area, i.e. it is not completely transparent.

This file is used, for example, to both display inactive buttons in the masks and to make them inactive for clicking.

### 2.7.5 No background clicks in masks (grey background)

Designation: **hide3.png**

Semi-transparent (grey) full-screen background, which is underlaid after a system mask (e.g. TCL, value entry, etc.) is called. This avoids clicks on the background.

### 2.7.6 No background clicks in popups (grey background)

Designation: **hide4.png**

Semi-transparent (grey) full-screen background, which is underlaid after a visualisation popup page is called. This avoids clicks on the background.

### 2.7.7 Standard icon for interface

Designation: **pvicon.png**

This graphic is displayed as a standard icon for the PocketVisu application on the interface of the device.

### 2.7.8 Creating semi-transparent backgrounds

With the Paint.NET program (freeware from Microsoft), semi-transparent backgrounds can be created for the visualisation. Proceed as follows for this purpose:

1. Create new (empty) image
2. Mark everything and delete: **CTRL-A, DEL**
3. Select a colour in "Colours" window
4. Completely colour everything with "Paint can" tool
5. Click on the "Properties" button in the "Levels" window (at the lower edge of the window, on the right)
6. Set the opacity as desired in the popup window now displayed

## 2.8 Javascript files

The Javascript files are stored in the **js** subdirectory of the **hspv-gira\_en** folder.

The files are used to breathe life into the HTML files, as it were. These files contain the program code which, for example, turns a drawn button or the transparent area which lies over it into a button that actually reacts to clicking.

The only file currently present is called **ajax.js**.

## 2.9 HTML files

The HTML files are stored in the **tpl** subdirectory of the **hspv-gira\_en** folder.

These files define the appearance of the predefined visualisation masks. With them the system integrator can make his/her own adjustments to the mask design.



**Note: Universal time clock instead of seven-day time clock.**

The seven-day time clock is not included with the PocketVisu. Use the universal time clock instead.



**Note: Changed entry option.**

The Graph and Camera masks in the PocketVisu are not required (any longer), as the same thing and even more in a larger range of variations can be achieved via embedding in the visualisation area.

### 2.9.1 Login masks

The two files named here are called by the device depending on the Start page used.

Login mask 1 (All information): .HTM file = pop\_login1.htm

Login mask 2 (Password only): .HTM file = pop\_login2.htm



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