

**Gira HomeServer/FacilityServer**  
Information on Gira PlugIn Client

**Gira HomeServer**  
0529 00

**Gira FacilityServer**  
2075 00

**GIRA**



# GIRA

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### 1. Gira PlugIn Client

The Gira PlugIn Client is an expansion of the Gira QuadClient. It enables use of the standard HomeServer/FacilityServer plug-ins and those that for example are available via the Gira AppShop.

The PlugIn Client can be controlled with a simple TCP protocol to enable integration in own applications such as a HomeServer visualisation. In this application case the PlugIn Client is operated without a Windows framework. It blends seamlessly into the visualisation with so-called "stay on top" behaviour (the program window is always in the foreground).

#### 1.1 General information about the operating instructions / product support

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.

Specific, up-to-date product information is available at the Gira website:

<http://www.gira.com>

Current software updates and documentation for your product are available at

<http://www.gira.com/en/download>.

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## 1.2 Program description

The Gira PlugIn Client is contained in the scope of supply for the HomeServer/FacilityServer Expert software from version 2.7. It is a software tool that enables the import of HomeServer plug-ins. These can be standard plug-ins or plug-ins that are available via the Gira AppShop for example.

The PlugIn Client can be controlled with a simple TCP protocol to enable integration in own applications such as a HomeServer visualisation.

## 1.3 System requirements

- Operation on a conventional PC (or laptop) with Windows® 2000, XP, Vista or Windows 7 operating system. Operation via Gira Control 19 Client (Order No. 2088 00) or Gira Control 9 Client (Order No. 2078 00) is possible. Operation under Windows®CE or on pocket PCs is not possible.
- Gira HomeServer/FacilityServer Expert software from version 2.7.
- Configuration of plug-ins for the QuadClient via QuadConfig. The PlugIn Client accesses all required design data from Design 2 (Gira Control 9). Gira Design 2 must be transferred.
- The size of the plug-in container is set to 800 x 400 pixels.

## 1.4 Area of application

The Gira PlugIn Client is used for importing standard Home or FacilityServer plug-ins and plug-ins that for example are available via the Gira AppShop. Any other use of the program is neither possible nor permitted.

Gira assumes neither legal responsibility nor provide a guarantee of any kind for problems resulting from improper use of the Gira PlugIn Client.

## 1.5 installation

The setup for the PlugIn Client is contained in the scope of supply for the HomeServer/FacilityServer Expert software from version 2.7.

Installation is implemented on the end device on which the plug-ins should be made available. Run the setup by double-clicking on the executable file and then follow the instructions.



**Note: Installation is analogue to the QuadClient.**

In general, installation of the Gira PlugIn Client is analogue to the QuadClient installation.

## 1.6 Configuration

The configuration of the PlugIn Client is carried out with the QuadConfig editor. This is contained in the installation folder of the PlugIn Client.

Configuration is also analogue to the QuadClient.

Additional parameters that can be configured:

+ **Screen:** Start in concealed mode

+ **Control:** TCP port

## 1.7 Operating modes

The PlugIn Client can be used in two different operating modes:

**With frame:** In this operating mode the PlugIn Client is a conventional Windows application and can be used without TCP control. The plug-in container can be displayed and hidden via the tray bar icon. Clicking with the right mouse button on the tray bar icon opens a context menu for activating the Quadrant configuration or terminating the application.

**Without frame:** In this operating mode the plug-in container must be controlled via a TCP protocol (see "TCP control of the PlugIn Client" on page 5).

## 1.8 TCP control of the PlugIn Client

The PlugIn Client can be controlled with the following TCP commands:

- **SHOW:** Displays the PlugIn Client at its last used position.
- **HIDE:** Hides the PlugIn Client.
- **POSITION x y:** Sets the position of the PlugIn Client. x is the distance from left and y is the distance from right.
- **CONFIG:** Sets the PlugIn Client in the Quadrant configuration.
- **COFF:** Terminates the Quadrant configuration of the PlugIn Client.
- **FRAME:** Sets the operating mode of the PlugIn Client to display with frame.
- **NOFRAME:** Sets the operating mode of the PlugIn Client to display without frame.
- **EXIT:** Terminates the PlugIn Client.

The port can be assigned via the PlugIn Client configuration. The standard setting (default port) is 55100.

## 1.9 Limitations

With use of the DCS plug-in and PlugIn Client in visualisations, constraints must be taken into account.

**DCS plug-in:** Both the DCS Communicator and the PlugIn Client always operate in the screen foreground ("stay on top" behaviour). Therefore in this case the DCS plug-in can only be used with a display without a frame. The size of the plug-in container is automatically adapted with selection of the DCS plug-in so that this is positioned above the DCS Communicator and only shows the tab for plug-in selection.

**Use in a visualisation:** Use of the PlugIn Client in a HomeServer visualisation only makes sense when the visualisation operates in full screen mode. Only then can the position of the PlugIn Client be precisely controlled.



### 2. Sample project for the Gira PlugIn Client

The sample project shows the integration of HomeServer QuadClient (QC) plug-ins in a free HomeServer visualisation with the Gira PlugIn Client for Windows operating systems.

#### 2.1 Project description

Control of the PlugIn Client is carried out via IP telegrams from the free visualisation. The following commands are available:

- PlugIn Client - show
- PlugIn Client - hide
- PlugIn Client - activate QuadClient Quadrant configuration
- PlugIn Client - deactivate QuadClient Quadrant configuration
- PlugIn Client - position (x/y coordinates as parameters)
- PlugIn Client - show frame
- PlugIn Client - hide frame

The project is designed so that two different target devices (e.g. Gira Control 19) can control the PlugIn Client independently of each other from a full screen visualisation. The start screen shows buttons to specifically place the PlugIn Client with a plug-in (e.g. E-mail) into the foreground.

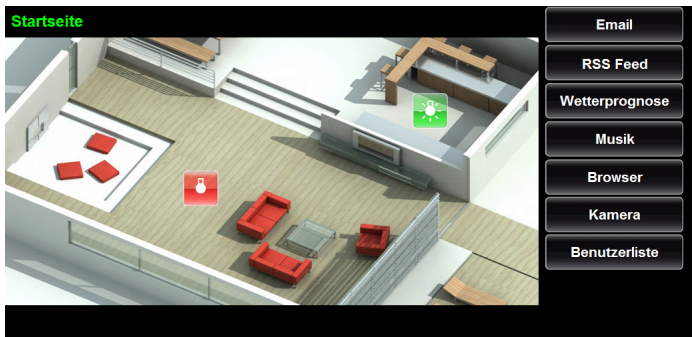


Figure 2.1: Start screen

Clicking the button **RSS Feed** calls a downstream visualisation screen and simultaneously displays the PlugIn Client with the RSS Feed plug-in in the foreground.

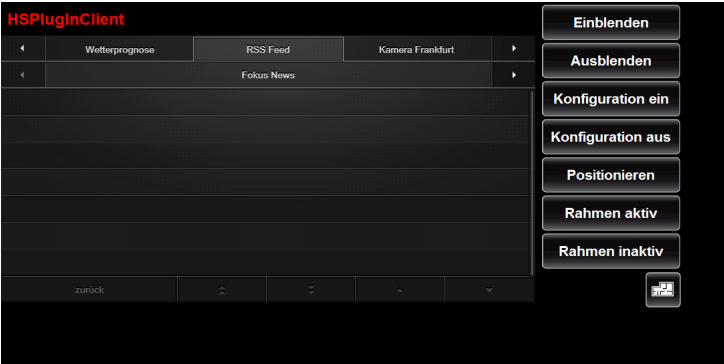


Figure 2.2: Follow-on screen with active RSS-Feed plug-in

The control of the PlugIn Client is carried out via the buttons on the follow-on screen. Returning to the start screen is via the navigation buttons of the visualisation. You can navigate between the configured plug-ins within the PlugIn Client.

## 2.2 Parameterisation and information

The PlugIn Client is parameterised so that when Windows is booted it is automatically hidden and simultaneously started without a frame.

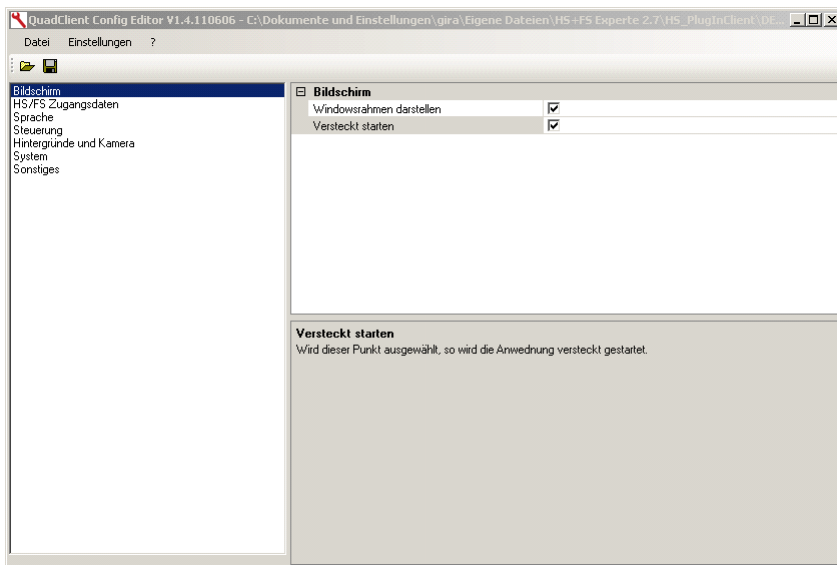
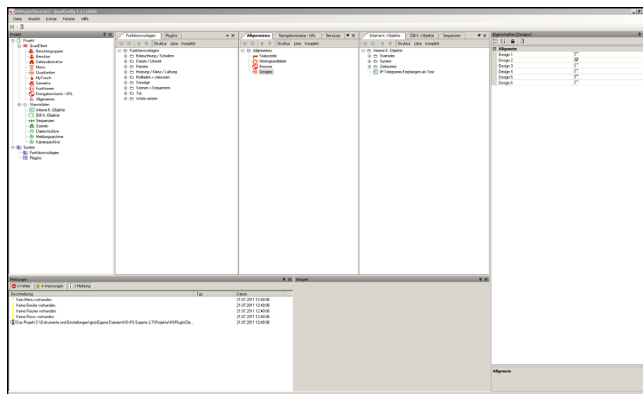


Figure 2.3: Parameterisation - PlugIn Client Config

In the QuadClient Config, the desired plug-ins are added via the item **Quadrant**, parameterised and if required are assigned group addresses to bring the plugin forwards with the active PlugIn Client. A user must also be parameterised. To use the PlugIn Client, the button must be activated under the item **Allgemein/Design 2 (General/Design 2)**. The size of the PlugIn Client without frame is 800 x 400 pixels. If the PlugIn Client is not used anywhere else, no other settings in the QuadClient Config area must be made.



**Figure 2.4: Design setting in the QuadClient Config area**



**Note: Calling plug-ins via communication objects.**

Calling plug-ins via a communication object into the foreground is effective on all active PlugIn Clients for all connected target devices. The DCS Communicator plug-in cannot be controlled and displayed with the PlugIn Client! Control of the DCS Communicator plug-in is outside of the PlugIn Client. A separate command block is available in the Gira AppShop for controlling the DCS Communicator plug-in.

## 2.3 Access data and IP addresses

IP address of target device 1: 192.168.0.30

Access data-visu

User: admin

Password: admin

IP address of target device 2: 192.168.0.217

Access data-visu

User: hotline

Password: hotline

The user data for the HSPlugInClient are identical for both target devices:

Access data for HSPlugInClient

User: a

Password: a



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