

Gira HomeServer/FacilityServer
Gira OS Connect

Gira HomeServer
0529 00

Gira FacilityServer
2075 00

GIRA

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1. Introduction

Gira OS Connect is a connection to the Gira HomeServer or Gira FacilityServer for Apple products.

The Gira push button sensor for example enables not only intelligent building technology functions to be controlled but also applications on Apple computers such as iTunes® and iPhoto®.

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

Gira OS Connect is a connection to the Gira HomeServer or Gira FacilityServer for Apple products with Mac OS operating system version 10.8 Mountain Lion.

The Gira push button sensor for example enables not only intelligent building technology functions to be controlled but also applications on Apple computers with Mac OS X such as iTunes® and iPhoto®.

1.3 System requirements

Operation of Gira OS Connect requires an Apple Mac computer with Mac OS X from version 10.6.6 Snow Leopard to version 10.8 Mountain Lion and Intel processor. You must have administrator rights for installation of Gira OS Connect.

1.4 Area of application

Gira OS Connect enables connection of Apple products to the Gira HomeServer. Any other use of the program not corresponding to program description or system requirements is neither possible nor permitted.

Gira assumes no legal responsibility and provides no guarantee of any kind for problems resulting from improper use of Gira OS Connect.

2. Installation

2.1 Installation of Gira OS Connect 1.4 on MAC OS 10.8 Mountain Lion

For all MAC OS systems version 10.8 (Mountain Lion), working with an installation of Gira OS Connect 1.3 (or lower), a new installation of Gira OS Connect version 1.4 is required (see chapter 2.2 Installing Gira OS Connect on page 6).

In this case all settings of the former installation will be retained.

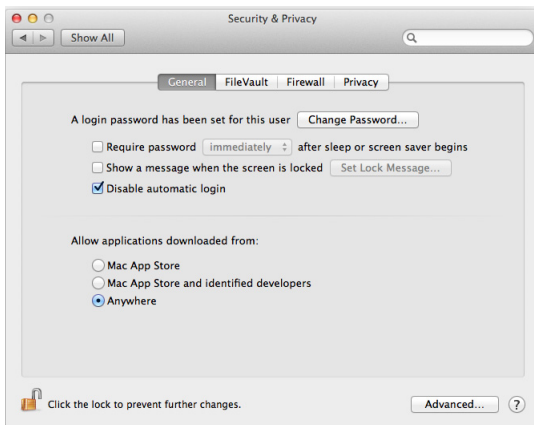


Figure 2.1: Safety settings in „Security & Privacy“

If needed, you will have to change settings to enable an installation by choosing **Anywhere** in **Allow applications downloaded from:** under **System settings/Security & Privacy/General**.

2.2 Installing Gira OS Connect

The installation package is an executable file that you must copy to your Mac computer. By double-clicking on the file an installation program is started that guides you through the installation program.

You enable the installation by entering an administrator password.

The installation must be carried out separately for each user intending to use the OS Connect.

If the user is changed after Gira OS Connect has already been started, connection is maintained via the previous user. Connection to the HomeServer is always only via the first user establishing a connection.



Note: Changes of the system settings.

In the system settings, the Mac installer creates a new setting: **Gira OS Connect**. The program is configured via this setting.

If several users are to use the Gira OS Connect, separate installation must be carried out for each user.

2.3 Configuration on the MAC page

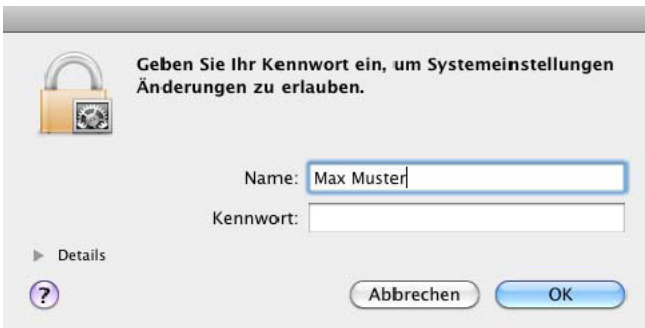


Figure 2.2: Dialogue for user authentication

In order to implement changes to the system settings, the user must firstly authenticate himself by clicking with the mouse on the padlock symbol and entering his user password (see Figure 2.2).

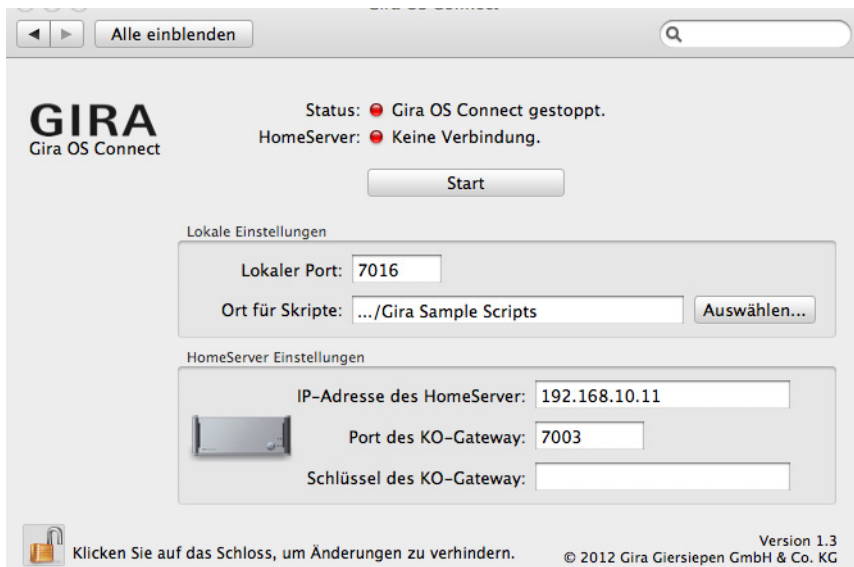


Figure 2.3: Gira OS Connect system setting

The port number is entered in the **Port** field. The program "listens" for commands from the Gira HomeServer (HS) via this number. "7016" is preset.

The path to the scripts created by the user is specified in the **Location for scripts** field. The initial setting is the **Gira Sample Scripts** directory, automatically created during installation.

The information about the communication object gateway of the HomeServer is entered in the **HomeServer** area. In this regard, the IP address of the HomeServer should be entered in **Address**, and the port number of the communication object gateway set in the Expert software in **Port**.

One of the codes specified in the Expert software should be entered in the **Code** field.

Changes to the settings can only be carried out when Gira OS Connect is not operative (red status light). Changes are automatically saved when Gira OS Connect starts up. If the computer system is restarted the last condition set is automatically activated.

Meaning of status displays:

- **"Red" status:** Gira OS Connect stopped
- **"Yellow" status:** Successfully connected to remote host. Checking login ...
- **"Green" status:** Gira OS Connect activated
- **"Red" HomeServer:** no connection
- **"Yellow" HomeServer:** Connection activated. The connection has been activated but communication via the communication object gateway is not possible. The reason for this may be an incorrect code or no activated communication object gateway for example.
- **"Green" HomeServer:** Connected to the Gira HomeServer. The port entry via which the program "listens" for Gira HomeServer (HS) commands cannot be tested.



Note: Waiting time following defective connection establishment.

If after a defective establishment it is attempted to reconnect this, the process may last up to 5 minutes due to the operating system.

2.4 Configuration on the HomeServer page

In the Expert software a communication object gateway must be enabled for the HomeServer at **Network/communication object gateway**.

The communication object gateway is exclusively for identifying the HomeServer with respect to the program. It is not necessary in this case to save the XML structure to the HomeServer.

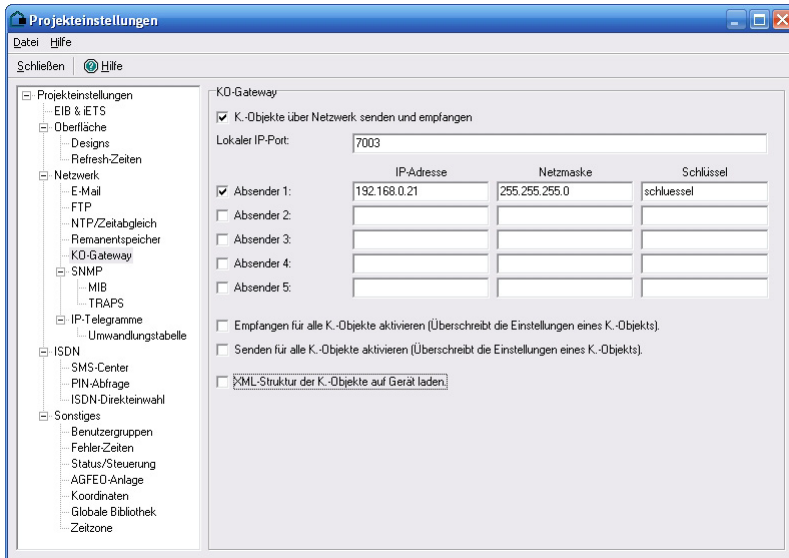


Figure 2.4: Communication object gateway configuration dialogue in the Expert software



Note: Activating check boxes.

If no external communication object has activated the **Send communication object gateway** or **Receive** check boxes, the check boxes must always be activated on the tabs **Communication object gateway "Activate receiving for all communication objects..."** and **"Activate sending for all communication objects..."**.

In addition, at least one internal or external dummy group address must be created.

With an internal group address the **Send communication object gateway** or **Receive** check boxes must always be additionally activated and a group address (e.g. 100/1/1) must be specified.

**Note: Use static IP addresses.**

Static IP addresses must be used for faultless functionality.

This means that following restarting of the Mac, the possibly newly assigned IP address of the Mac must be entered again in the HomeServer.

2.5 Scripts and their meaning

Following installation, the following scripts are to be found in the specified script directory:

- **iPhoto/diashow.scp**t: This script starts a full screen slide show showing all images stored in the iPhoto software. In this case the presets for slide shows stored in iPhoto are used.
- **iTunes/Music/play.scp**t: This script creates a new playlist with the name of **Gira OS Connect Music** in the iTunes software, and copies a random selection of existing music tracks into this playlist. If the list already exists it is not newly created. iTunes then plays the tracks contained in the playlist according to a random sequence.
- **iTunes/playpause.scp**t: This script switches between the corresponding iTunes software playback modes, independent of whether music, a video or a podcast is currently being played.
- **iTunes/nextTrack.scp**t: This script causes iTunes to jump to the next track in the current playlist, independent of whether music, a video or a podcast is being played.
- **iTunes/previousTrack.scp**t: This script causes iTunes to jump to the beginning of the current track or to the previous track in the playlist, independent of whether music, a video or a podcast is being played.
- **iTunes/stop.scp**t: This script causes iTunes to stop current play, independent of whether music, a video or a podcast is being played.
- **iTunes/track.scp**t: This script can be optionally called up via a parameter. The parameter is separately attached to the script call up in the telegram text by a blank character. If the optional parameter **prev** is also transferred with the call, iTunes jumps to the beginning of the current track or to the previous track in the playlist, independent of whether music, a video or a podcast is being played. If the script is called without the parameter, this causes iTunes to jump to the next track in the current playlist.
- **iTunes/Video/play.scp**t: This script creates a new playlist with the name of **Gira OS Connect Video** in the iTunes software, and copies a random selection of existing videos into this playlist. If already existing, the list is not newly created. iTunes then plays the tracks in the playlist.
- **sleep.scp**t: This script causes the computer to go into idle state.

- **Commercial/commercial.scpt:** This script calls up a film copied into the script folder during installation that is then shown in full screen mode. This film is found at **~/Gira Sample Scripts/Commercial/gira_commercial.mov**.

All scripts are called up by sending a simple IP telegram from the HomeServer to the Mac address with the port set in Gira OS Connect, by sending the script name as text with complete path specification. **CR** and **LF** must be attached to the text.

2.6 Examples

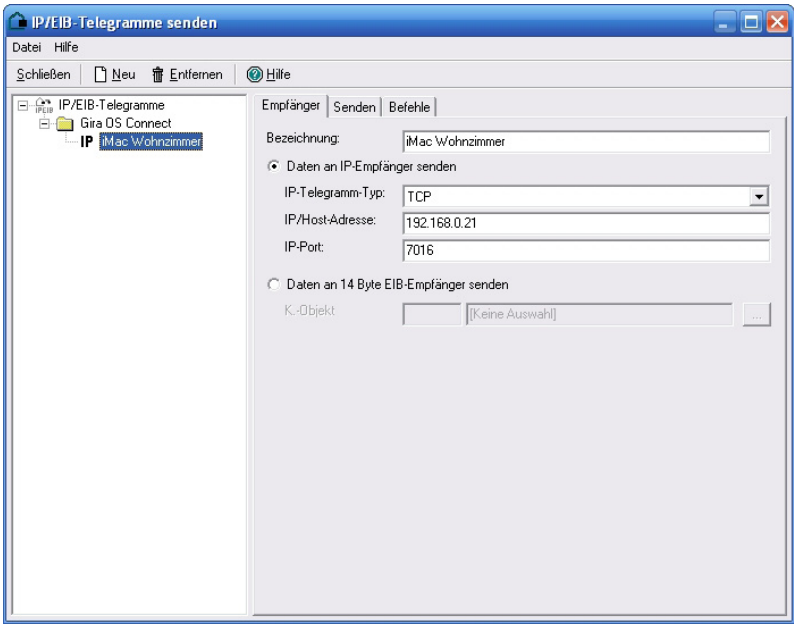


Figure 2.5: Example of an IP telegram

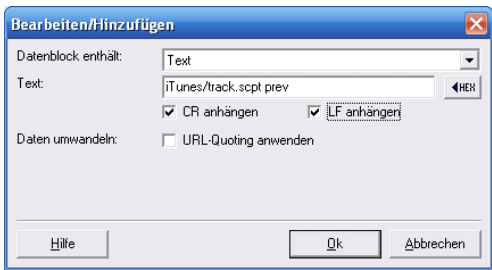


Figure 2.6: Example for "track.scpt" Apple script in the "iTunes" folder



Figure 2.7: Example for "stop.scp" Apple script

Several scripts may also be called with one command.

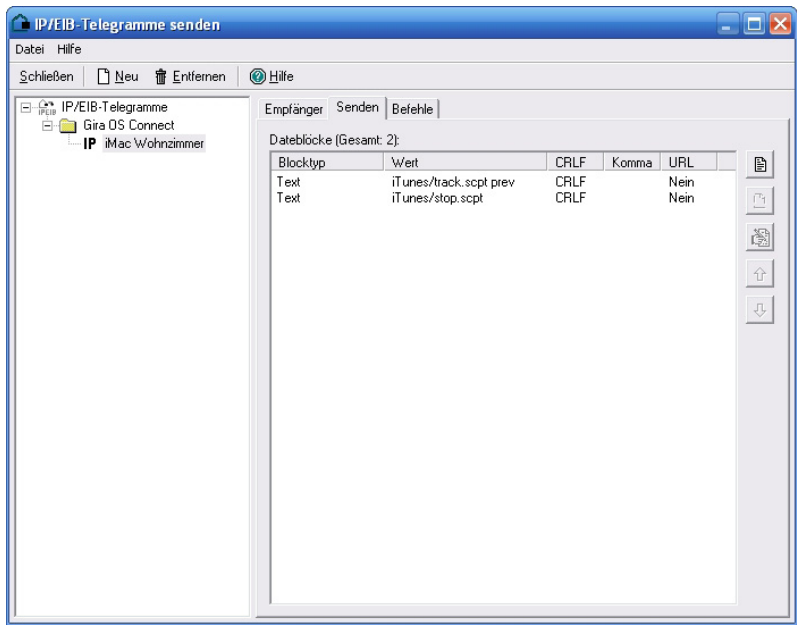


Figure 2.8: Example for several commands in one telegram

2.7 Behaviour of Gira OS Connect

Gira OS Connect tests regularly whether a Gira HomeServer can be reached via the IP address entered. If no HomeServer responds within 30 minutes, Gira OS Connect automatically terminates.

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