

Gira and Loewe Integration of Loewe devices in Gira building technology

Intelligent building technology now offers functions which far exceed the switching and dimming of lights. They include the automation and central control of lights, blinds and heating, as well as door communication. This enables more comfort and safety and even saves valuable energy resources. In an intelligent house, all the functions can be controlled overall from a central source. And now this is also possible via TV – with the convenient home entertainment systems from Loewe.

Gira HomeServer®

The switchboard of intelligent building technology



Gira HomeServer3

The Gira KNX/EIB system forms the basis of intelligent building technology. The prerequisite for this is that there is already a decision in favour of a KNX/EIB installation in the planning phase. At first, only a green cable is laid beneath the plaster together with the electricity supply. The intelligence lies in the decentrally-connected devices, such as push button sensors or in control units such as the Gira Control 9 Client or the larger Gira Control 19 Client. These devices replace the traditional switches and send control commands via the bus lines – to lights, blinds, heating regulators and other KNX/EIB-capable devices. The use of the Gira HomeServer 3 is advisable for realising more complex solutions. It is the on-board computer for the house. It functions as a gateway for the entire KNX/EIB installation in a building and is absolutely essential for the networking of modern buildings and their technical equipment, both internally and with the world. It enables operation of the KNX/EIB functions via the most modern communication media. For example, the Gira HomeServer 3 can store when the heating should be switched on and off or which lighting scene is switched on at the press of a button. Thus the building control can be adapted individually and reprogrammed at any time. The options of the flexible technology are enormous.

Connection to the Loewe TV

Loewe TV



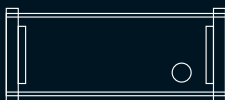
HS-TV Gateway

RS232

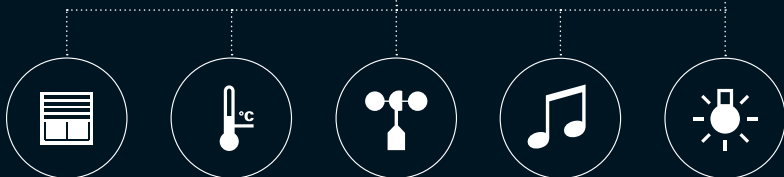


Gira HomeServer

IP



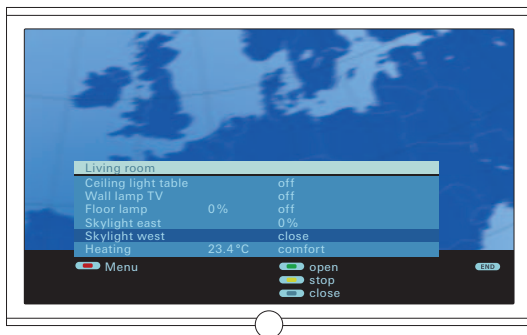
KNX/EIB



Connecting the HomeServer to the Loewe TV is done with a small black box, the HS TV gateway. It converts IP data from the Gira HomeServer 3 into RS232 signals using integrated conversion software and forwards it to the television set. From there, the technology can then be controlled using the Loewe remote control. This method also functions in reverse. For example, if a Gira push button sensor with central-off function is installed at the front door of the home, a press of a button switches off the Loewe TV as well as the other integrated devices.

House control

The intelligent building technology on the screen

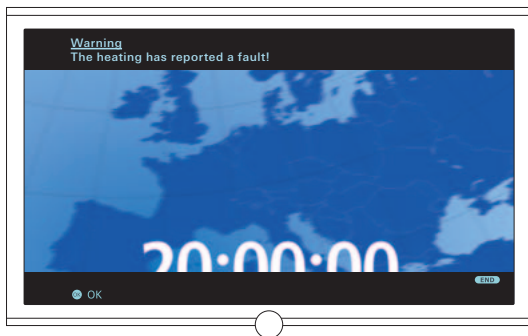


Example: Control via the menu

Building scenes or control functions which are programmed into the Gira HomeServer 3 can be called up and operated via the convenient on-screen display of a Loewe television set. The current values, e.g. for controlling light, blinds or heating are shown on the display within a menu which can be operated. The available functions can now be operated using the Loewe remote control. In this way, light scenes can be called up or saved easily, but the individual dimming values can also be changed. Heating can be turned up or down by several degrees to regulate the temperature. Up to ten menu items can be called up in this on-screen display. These each have a maximum of ten subfunctions which can be used for controlling. This ensures simple operation.

Messaging

Always informed, warned early

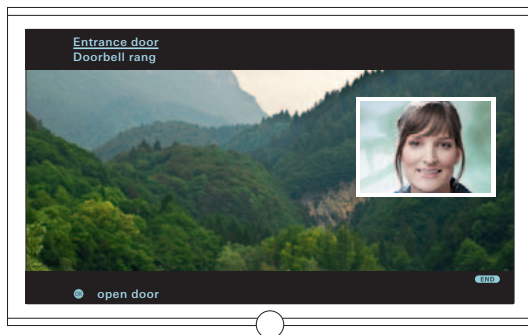


Example: warning on the screen

The KNX/EIB system makes buildings more secure. With the Gira HomeServer 3 it is possible to intelligently interconnect motion detectors, smoke detectors, glass-breakage and wind sensors as well as many other security-relevant devices. If the system registers irregularities or dangers, it immediately undertakes countermeasures, for example by deactivating defect devices. In addition, it informs occupants with the messaging function. If the heating system fails, the washing machine leaks water, or if the smoke detector in the cellar signals an alarm, the system reports this defect to the Loewe TV. The corresponding message then appears on the on-screen display. If desired, warnings can also be displayed that must then be confirmed by the home owner. For example, when the motion detector in the garden registers a movement and asks whether the shutter should be raised.

Door communication

See who is at the door



Example: picture-in-picture transmission of the Gira door station camera image to the screen with the option of opening the door

A penalty during a football match or the decisive concluding scene of a film – there are moments when you don't want to get up to see who has rung the doorbell. In these situations, the solution is also the symbiosis between a Gira KNX/EIB system and the Loewe TV. If additionally a Gira door intercom with video camera and a Gira DCS-TV-gateway from the door communication system are installed, the home owner has no need to miss even a second of the exciting film or match. When the bell is rung, transmission of the video camera to the TV screen which is on is implemented via picture-in-picture function. The door can then simply be opened via remote control. Connection of the bell and door opening is implemented via corresponding devices as well as parallel to the door communication system via the Gira KNX/EIB system.

The HS TV gateway is connected to the Gira HomeServer via the integrated communication object gateway. For start-up of the HS TV gateway on the Gira HomeServer, both devices require special basic settings that need to be set up using special parameterising software. Subject to modifications.

Loewe Multiroom as part of the Gira Interface

Distributing music to every room



Gira Controlpoint, integrated as a plug-in in the Gira Control 19 Client
[Interface Design: schmitz Visuelle Kommunikation, Wuppertal]

The Loewe Multiroom Receiver becomes a part of the Gira Interface with the Gira Controlpoint. Connected to the Gira HomeServer 3 via a plug-in, it can be operated with devices such as the Gira Control 9 Client and the Gira Control 19 Client. The Loewe Individual Mediacenter provides the music, the Gira Interface automatically recognises the list of the saved music tracks and informs the Loewe Individual Sound Multiroom Receiver which music it should play in the respective room. It can also be controlled with the Gira Interface by calling the web interface of the Loewe Individual Mediacenter.

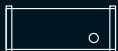
Gira Control 19 Client
Gira Control 9 Client

Gira HomeServer 3

Loewe Individual
Mediacenter



← IP —



← IP —



Loewe Individual Sound
Multiroom Receiver



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As one of the leading manufacturers of intelligent building technology, Gira offers a wide range of various types of products in addition to the KNX/EIB system, the door communication system, LED illumination and orientation light, radio bus system, blind controller and traditional electrical installation including socket outlets and light switches. More information regarding Gira and Gira products is available at: www.gira.com

Subject to technical modifications