

KNX Controls Multi-Room Stereo System

Providing music within the entire home has been considered a special luxury feature that could only be found in a few exclusive homes. The featured solution will show an example of how simple it is to install a high-end and easy to operate multi-room stereo system using only KNX components.

The solution

An example of a multi-room stereo system is showcased with the WHD KNX audio actuator and a few chosen stereo devices. This example is based on a recently completed project by CA Brachtendorf GmbH & Co KG. The project features 16 sound zones, of which three were designed as 5.1 zones with high-end AV receivers.

Implementation

The following equipment is utilized:

- A single WHD 4x audio actuator to control two mono or one stereo zone with 24V 5A power supply
- A dimming actuator 4x200 Watt for lighting control
- For manual control: conventional spring-return button Palazzo by Berker, which are integrated throughout the push button interface, push button sensors with display in FD design by Jung, a smart sensor by Gira and a facility touch panel by Jung.
- iPod as audio source one
- Microphone for zone call
- Simple CD player as alternative audio source
- WHD installed four loudspeakers, four amplifiers AMP10 and four inputs

Features

The simplicity to built up a high-end multi-room control system is showcased. Four music zones can play music from the same or from different audio sources. The installed microphone system showcased applications for commercial and private PA systems. In addition, four simple down lights that can be controlled with dimming actuators in different zones showcase how different light scenes can be combined with "music zone" scenes.

Advantages

Multi-room music solutions can be implemented without elaborate software and installation effort. The concept will encourage trade show visitors, especially non-specialized electricians, to implement multi-room music solutions for customers.

System Integrator:

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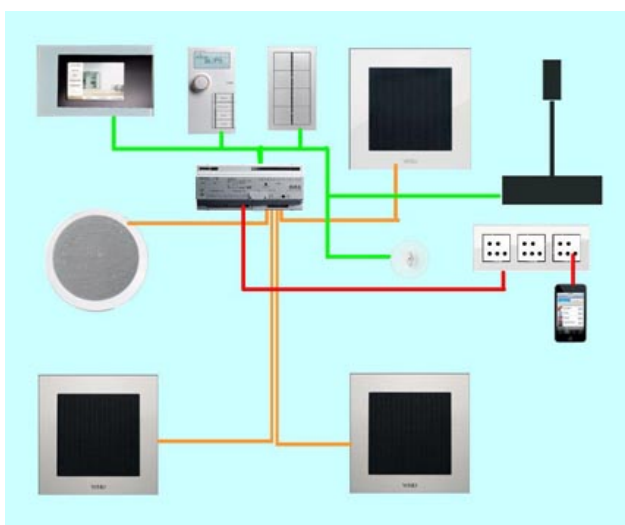
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Figure:



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Pictures can be downloaded at:

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