

ENGLISH



BAB
TECHNOLOGIE



AUDIOMODULE

MULTI-ROOM OUR WAY

AUDIOMODULE

MULTI-ROOM OUR WAY



The **AUDIOMODULE** is a premium multi-room audio player which is alternatively available with a line-out or integrated amplifier. As a top hat rail device, installed in the distribution board, it is protected against theft and manipulations. This makes it ideally suited for commercial properties such as hotels. Thanks to the direct KNX connection the **AUDIOMODULE** can be easily integrated into KNX® installations and allows on-site control with KNX® sensors as well as control through building visualisations. It can play audio from local media servers as well as stream internet radio stations and Spotify contents. The analogue audio input allows playback from external devices such as cd players. Configuring the **AUDIOMODULE** is particularly easy, using a built-in web interface. **AUDIOSERVER** and **AUDIOAMP**, sold separately, complement the **AUDIOMODULE** and help you realize a fully integrated whole-building audio solution.

TECHNOLOGY WHICH FASCINATES ALL ADVANTAGES IN DETAIL

TAILOR-MADE

The **AUDIOMODULE** is the ideal solution for commercial properties. No matter whether hotel room or doctor's office, provide your customers with a professional multi-room experience. The **AUDIOMODULE** either feeds an existing amplifier or is directly connected to your speakers. In combination with in-wall and in-ceiling speakers, it is perfectly suited for unobtrusive installation. The device allows on-site control with KNX sensors as well as control through building visualisations.

MULTI-ROOM

The **AUDIOMODULE** is based on Squeezebox™ technology which is ideally suited for multi-room solutions. The music data is provided by the Logitech™ Media Server (LMS) and transferred to the modules. The intelligent transfer protocol is extremely lightweight and dissolves the need for dedicated networks.

SECURE

The Squeezebox™ technology is tried and tested and has matured on the market for several years. Built into a sub-distribution unit, the device is secure from theft and manipulation, and only accessible by authorised personell. This increases reliability and protects your property.

DYNAMIC

By automatically switching to an external source, the **AUDIOMODULE** makes alternating between network streaming and analogue audio sources, such as cd players, particularly easy. Thanks to our ExPL plug-in, the control unit is extended with dynamic playlist management. This means that as soon as new playlists have been created on the server, they are recognised automatically and are available to the control unit immediately. The same applies to the cover pictures for the albums.

SIMPLE

It works like plug 'n' play: Connect the device, select the **AUDIOSERVER** and the music is already available on the **AUDIOMODULE**. Direct KNX connection makes integration particularly easy. The **AUDIOMODULE** offers a web-based, platform-independent configuration interface. And if you want to crank it up: our **AMPMODULE** completes the audio product line for distribution boards and offers ample power (2x 50 watts RMS) for all purposes.

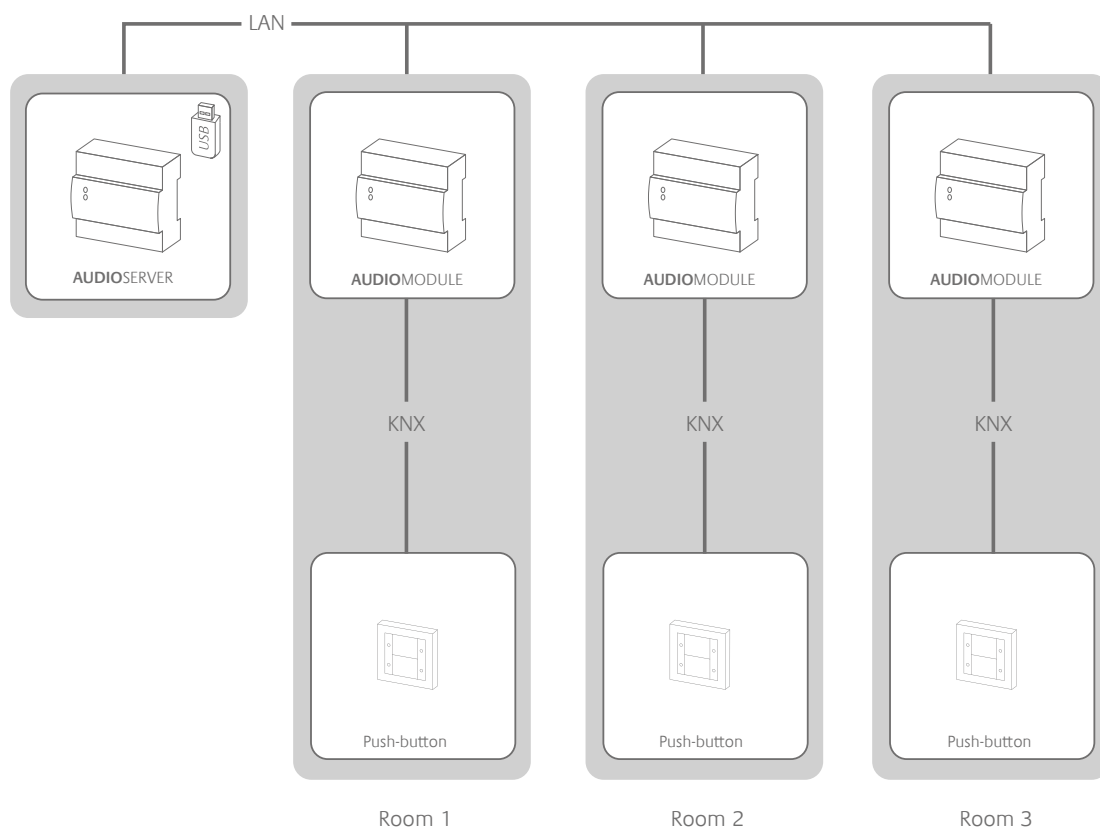
ALTERNATIVE

The **AUDIOMODULE** also comes readily configured and suited for server use. It can thus function in parallel as both server and client.

PRODUCT APPLICATION

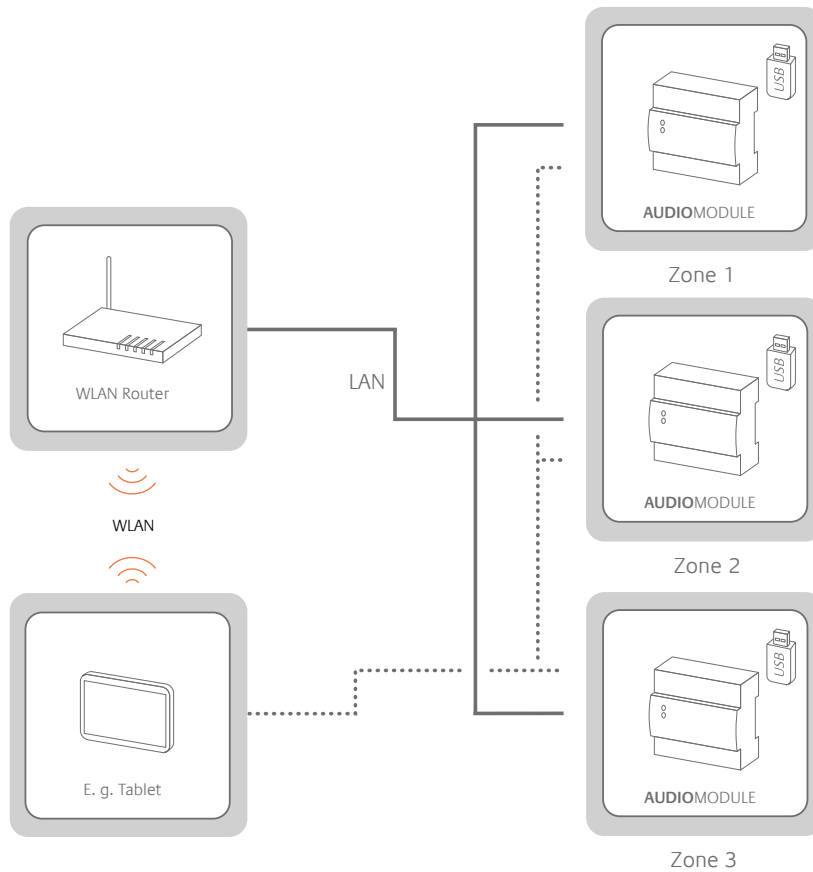
THE **AUDIOMODULE** IN USE

AUDIOMODULE IN A HOTEL



The **AUDIOMODULE** functions as a client and automatically connects to **AUDIO SERVER**. The server transfers music from attached storage (USB) or NAS to the modules via network. Users can control the **AUDIOMODULE** using KNX® sensors or KNX touch displays. This setup provides an individual music experience in every room.

AUDIOMODULE IN A STAND-ALONE SCENARIO



The **AUDIOMODULE** functions as a server. The music is either stored on an attached USB stick or available on the network. Any smart phone or tablet with an UPnP application can control the music playback. User devices can even stream their own content directly to the **AUDIOMODULE**.

OVERVIEW

TECHNICAL DATA

AUDIOMODULE Speaker

- Power supply: 24V DC / 3A
- Power input: max. 72 W
- Connection: pluggable screw terminal
- Environmental conditions: EN 50090-2-2
- Ambient temperature: -5 to +35°C
- Relative humidity (non-condensing): 5% to 80%

Mechanical data:

- Installation: MDRC 4 MW
- Dimensions (W x H x D) in mm: 70 x 90 x 63
- Housing: plastic
- Protection class: IP20 (according to EN 60529)

Interfaces:

- KNX®: twisted pair via terminal (for Art. No. 10525)
- Ethernet via RJ45 socket
- Audio line in: $1V_{\text{eff}}$ at $10k\Omega$
- Loudspeaker connection: 2 x 20W RMS at 4Ω
Pluggable screw terminal up to 3.6 mm^2
- USB 2.0: 4 USB sticks, each up to 8 GB (audio data)

Features:

- Automatic switching to an external source
- Function in parallel as both server and client
- UPnP
- Spotify® support

Software requirements:

- Operating system: any
- Communication: Network interface
- Browser: current standard browser

AUDIOMODULE Line

- Operating voltage: 12 – 32V DC
- Typical power input 350mA at 12V DC
- Power input: $\leq 5W$
- Connection: pluggable screw terminal
- Environmental conditions: EN 50090-2-2
- Ambient temperature: -5 to +35°C
- Relative humidity (non-condensing): 5% to 80%

Mechanical data:

- Installation: MDRC 4 MW
- Dimensions (W x H x D) in mm: 70 x 90 x 63
- Housing: plastic
- Protection class: IP20 (according to EN 60529)

Interfaces:

- KNX®: twisted pair via terminal (for Art. No. 10515)
- Ethernet via RJ45 socket
- Audio line in: $1V_{\text{eff}}$ at $10k\Omega$
- Audio line out: $2V_{\text{eff}}$ at $10k\Omega$
Pluggable screw terminal up to 3.6 mm^2
- USB 2.0: 4 USB sticks, each up to 8GB (audio data)

Features:

- Automatic switching to an external source
- Function in parallel as both server and client
- UPnP
- Spotify® support

Software requirements:

- Operating system: any
- Communication: Network interface
- Browser: current standard browser

Art. No. 10511	AUDIOMODULE Speaker Standalone	
Art. No. 10521	AUDIOMODULE Line Standalone	
Art. No. 10525	AUDIOMODULE Speaker KNX/TP	
Art. No. 10515	AUDIOMODULE Line KNX/TP	
Art. No. 10550	AUDIOSERVER	
Art. No. 10590	AUDIOAMP	

TAILOR-MADE

Ideally suited for commercial properties
On-site control with KNX® sensors
Perfect for in-wall and in-ceiling speakers

MULTI-ROOM

Based on Squeezebox™ technology
Speaker or line-out
Extrem light network load

SECURE

Robust transfer protocol
Secure from theft and manipulation



AUDIOMODULE

DYNAMIC

Automatic switching to external sources
Playlist administration
Cover display

SIMPLE

Pre-configured for server use
Direct KNX® connection
Webbased-configuration

ALTERNATIVE

Functions in parallel as both server and client
Stand alone and KNX® variants

everywhere at home



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