



BAB  
TECHNOLOGIE

# AUDIOMODULE

MULTIROOM OUR WAY.

# AUDIOMODULE

## MULTIROOM OUR WAY



The **AUDIOMODULE** is a network streaming client which is optionally available with a line-out or speaker output. As a top hat rail device, it is installed in the distribution board. It is easily configured by means of a web user interface. Based on the proven Squeezebox™ technology, it is integrated into the KNX® or EnOcean® system in conjunction with the Logitech™ media server and EIBPORT in no time at all. The simple system architecture and simple configuration ensure ideal multi-room-capability. As well as the opportunity to play music from the local server, it is also possible to use Internet radio stations.

# TECHNOLOGY WHICH FASCINATES ALL ADVANTAGES IN DETAIL

## UNIVERSAL

The **AUDIOMODULE** is the ideal solution for both functional and residential buildings. No matter whether for a hotel room or a detached house, you offer your customer a professional multiroom solution. Dependent on the type, the **AUDIOMODULE** feeds either the existing amplifier or is connected directly to loudspeakers.

## MULTIROOM

The **AUDIOMODULE** is based on Squeezebox™ technology which is optimally designed for the installation of the multiroom facility. One device per zone should be connected to the local Ethernet network. The music data is provided by the Logitech™ media server and transferred to the modules via the network.

## SECURE

The Squeezebox™ technology has been on the market for several years and is fully developed. Based on the xPL protocol (eXtremely simPle protocol), the system which is behind the **AUDIOMODULE** is extremely lightweight and hardly burdens the network. Built into a sub-distribution unit, the device is secure from manipulation and is only accessible by authorised persons. That increases reliability and ensures preservation of the status quo.

## INTEGRATE

Use the **EIBPORT** to add the **AUDIOMODULE** to the building automation in a few simple steps. No matter whether with a KNX® or an EnOcean® sensor, by SMS or control with special visualisation elements – various options are available. Completely new possibilities for use become possible as a result of the connection to the **EIBPORT**'s automation functions. Link, for example, playing your favourite radio station to switching on the lights in the bathroom in the morning.

## DYNAMIC

Thanks to the 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.

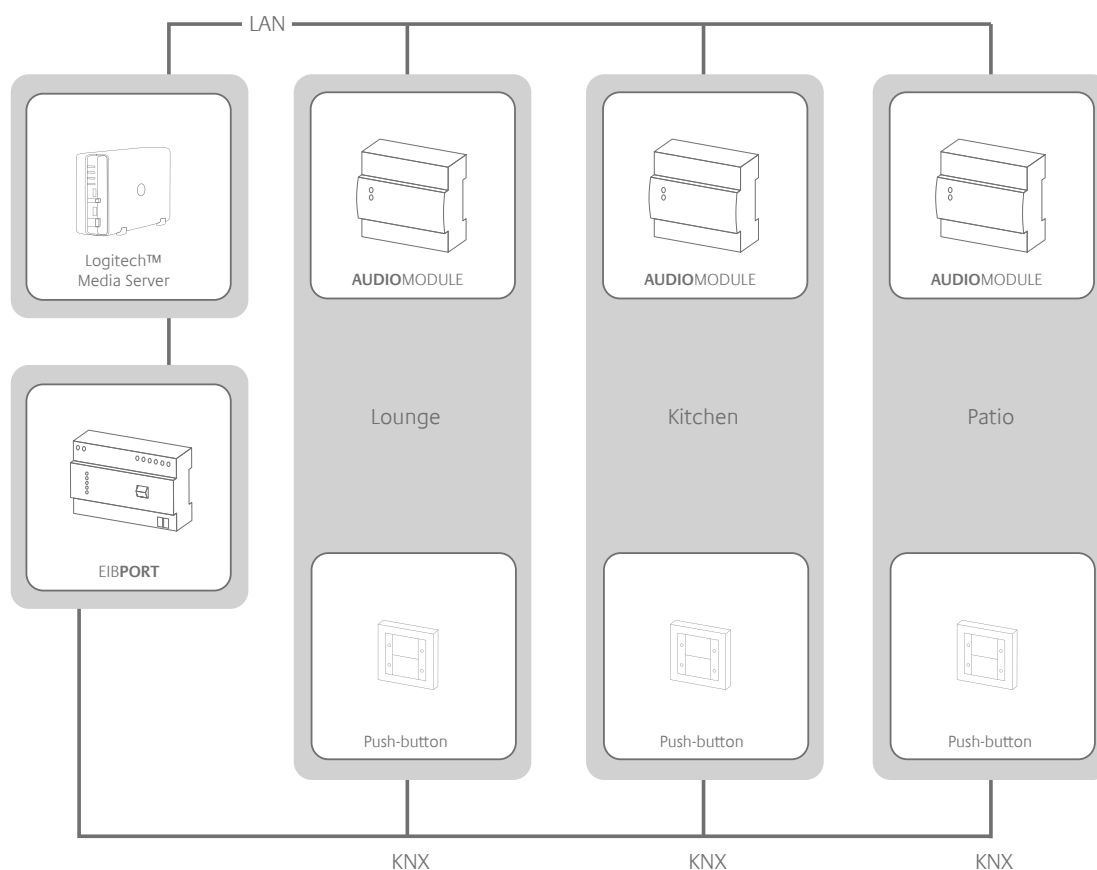
## SIMPLE

It works like plug 'n' play: Connect the device, allocate the media server and the music is already available on the **AUDIOMODULE**. The link in the **EIBPORT** is simply made using the payer name. For setup, the **AUDIOMODULE** offers a web-based and therefore platform-any configuration interface.

# PRODUCT APPLICATION

## THE **AUDIOMODULE** IN USE

### **AUDIOMODULE** AS THE CLIENT

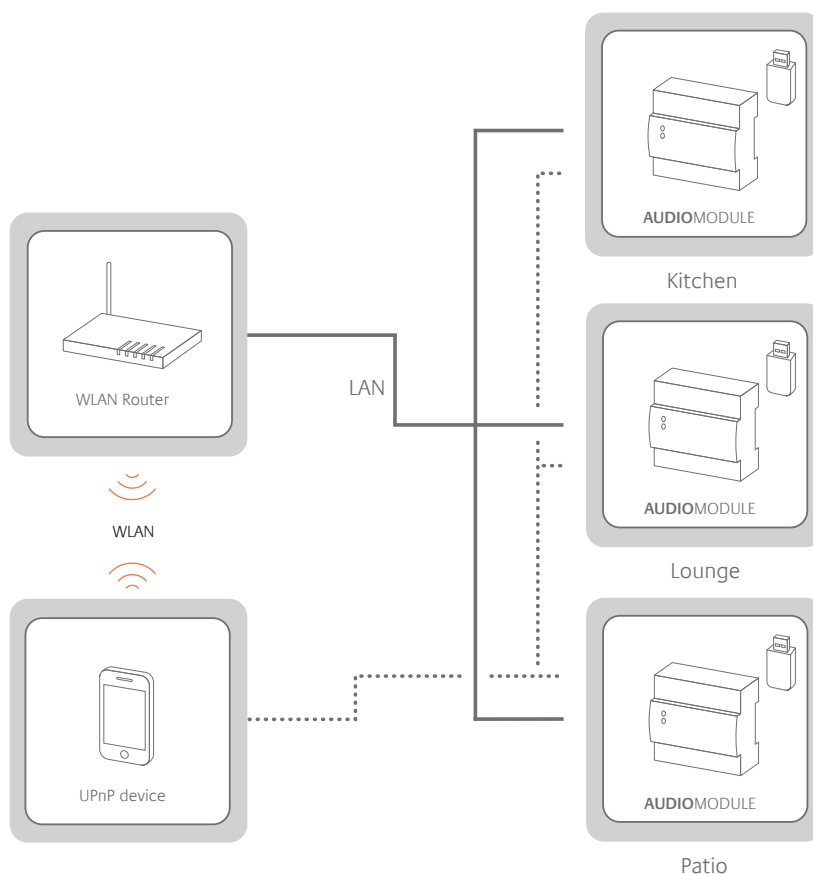


The **AUDIOMODULE** works as a squeeze slave (client) and automatically logs in to the Logitech™ media server. The server transfers the music from its hard disk to the modules via the network. It can be controlled using the visualisation of the **EIBPORT** or via KNX® or EnOcean® sensors.

# PRODUCT APPLICATION

## THE **AUDIOMODULE** IN USE

### **AUDIOMODULE**– STANDALONE



The **AUDIOMODULE** works as a Logitech™ media server. The music is either on a locally connected USB stick or is available on the network. Any smartphone or tablet with the UPnP application controls the music transfer from its source to the **AUDIOMODULE**. Depending on the application, the music can also be played from the smartphone.

# OVERVIEW

## TECHNICAL DATA

### Article no.: 10510 **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
- Storage temperature: -10 to +60°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:

- Ethernet via RJ45 socket
- Loudspeaker connection: 2 x 20W at 4Ω  
Pluggable screw terminal up to 3.6mm<sup>2</sup>
- USB 2.0: 2 USB sticks, each up to 8GB (audio data)
- SD card slot (card must remain inserted)

#### Features:

- Can be used both as a streaming client or as a server
- xPL package (xPL hub and ExPL plug-in) for connecting the audio module to the EIBPORT and dynamic cover display

#### Software requirements:

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

### Article no.: 10520 **AUDIOMODULE** line

- Operating voltage: 12 – 32V DC
- Typical power input 350mA at 12V DC
- Power input: <= 5W
- Connection: pluggable screw terminal
- Environmental conditions: EN 50090-2-2
- Ambient temperature: -5 to +35°C
- Storage temperature: -10 to +60°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:

- Ethernet via RJ45 socket
- Audio line out: 2V<sub>eff</sub> at 10kΩ  
Pluggable screw terminal up to 3.6mm<sup>2</sup>
- USB 2.0: 2 USB sticks, each up to 8GB (audio data)
- SD card slot (card must remain inserted)

#### Features:

- Can be used both as a streaming client or as a server
- xPL package (xPL hub and ExPL plug-in) for connecting the audio module with the EIBPORT and dynamic cover display

#### Software requirements:

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

# UNIVERSAL

detached house or commercial building  
Speaker or line-out

# MULTIROOM

Based on Squeezebox™ technology  
A device for every zone  
Network streaming

# SECURE

Well-developed protocol  
Built to be secure from manipulation

## AUDIOMODULE



# DYNAMIC

playlist administration  
Cover display

# INTEGRATE

Integration via EIBPORT KNX® and EnOcean®  
New possibilities for use

# SIMPLE

“Plug and Play” web browser-based  
configuration



*everywhere at home*



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