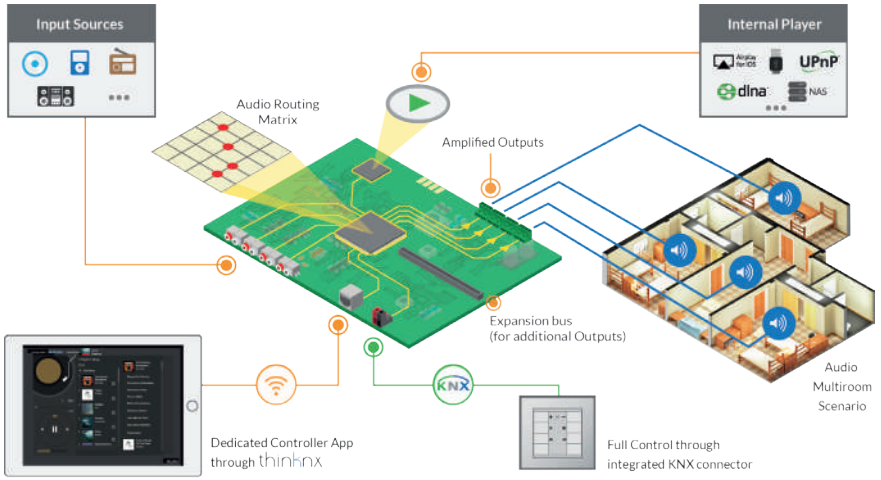
Audiofy

KNX native professional multiroom audio system



WHAT IS AUDIOFY

Audiofy is the simple yet powerful integrated **multiroom professional audio system** created by ThinKnx. Only one device combines audio matrix routing, power amplifiers for each output and up to four independent network players. It is also fully **configurable via web**. The system permits to spread audio contents from external analog sources or from internal players towards up to 16 rooms with superior pure sound quality.

ANALOG INPUTS

Audiofy accepts up to 5 analog, high impedance, single ended inputs with pluggable screw terminals. Selectable gain (0 to 20dB) for each single input.
An additional mono input can be routed contemporary to all the outputs and mixed with the source that is playing in that output. This function is very useful for public announcements or to convey high priority audio messages.

INTERNAL STREAMER

Streams and plays all the most diffused digital audio format. Each player is an AirPlay endpoint and UPnP renderer. It can play from DLNA and UPnP Media server, network sharings and USB pluggable storage.

SOUND PROCESSOR

Each input can be routed to 1 or more outputs. 3-Band equalizer, +15dB/-79dB volume control and L/R balance adjusted for each output.

POWER OUTPUTS

Each output can deliver up to 50W into 4Ohm speakers.
Outputs can be split into 2 volume independent mono outputs to sound adjacent rooms with different volumes or where spatialization is not needed (bathrooms, corridors).
Class D, high efficiency, 2x50 W continuous on 4Ohm, fault protected, stereo outputs.
THD+N = 0.1% @ 25W - SNR = 102dB

Audiofy P1

Permits to spread music coming from the 5 analog inputs or from the single internal player to 4 amplified outputs (expandable to 16)

Nr. 1 internal network player
Nr. 5 single ended inputs
Nr. 4 amplified stereo out
Nr. 1 ethernet port
Nr. 1 EIB/KNX TP port
Nr. 1 USB port
Power 24Vdc 200W Max

Audiofy P4

Permits to spread music coming from the 2 analog inputs or from the 4 internal player to 4 amplified outputs (expandable to 16)

Nr. 4 internal network player
Nr. 2 single ended inputs
Nr. 4 amplified stereo out
Nr. 1 ethernet port
Nr. 1 EIB/KNX TP port
Nr. 1 USB port
Power 24Vdc 200W Max

Audiofy E4

Expansion module to add 4 additional outputs to existing P1 or P4 module
(max. 3 E4 for each P1/P4)

Nr. 4 amplified stereo out (50W per channel on 4 Ohm speakers)
Power 24Vdc 200W Max

HOW IT WORKS

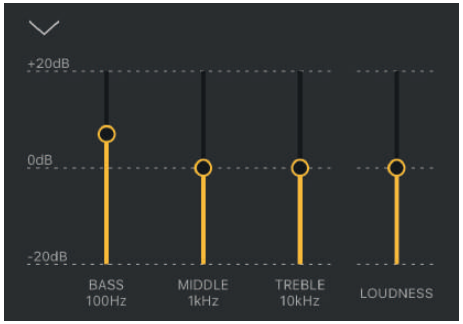
Audiofy is a scalable system which delivers music contents from internal players (up to 4) or analog stereo inputs (up to 5) to stereo power amplified outputs (from 4 to 16).

Thanks to the many protocols supported, it is perfectly integrated inside automation systems. A **native KNX TP** port allows to send commands to the music system directly from other KNX devices and to receive feedbacks.

Through a complete **set of Apps**, the final user decides the routing of the audio sources and has a complete control over his music listening experience. The internal player is controlled directly from the app, the music library provided by a **NAS** or **USB stick** can be browsed with a simple menu.

Even the music stored on smartphones or tablets can be reproduced directly using **AirPlay**, **UPnP** and the output can always be chosen through the app!

If the user wants to listen to radio or web contents, Audiofy provides the integration of **Tune-In**, so that the user can easily access its web contents.



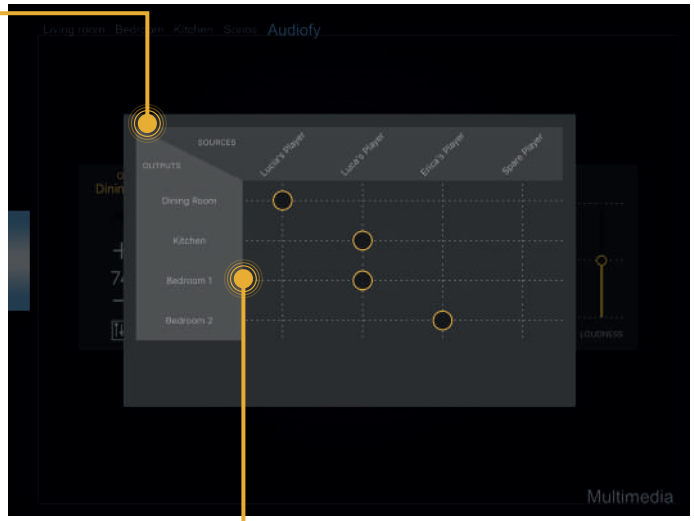
Audiofy

The integration with ThinKnx system

Up to four outputs in the same page

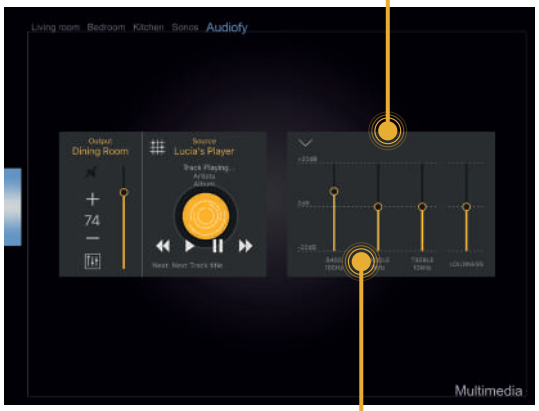
One widget to control one output

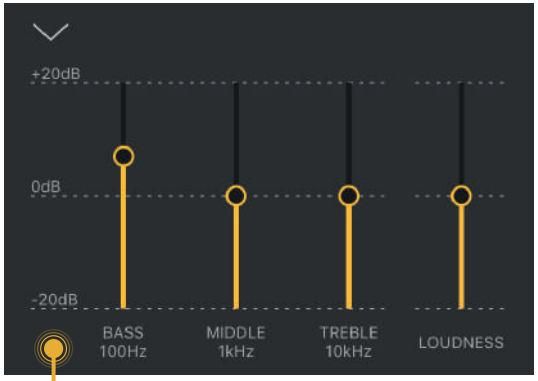
Complete control on input selection with a simple routing table



If the selected source is an internal player, the user can browse through its music library

For each output the user has always full control on the volume



It is possible to select more outputs for one source, which can be an analog source or an internal player

Bass, middle, treble and loudness can be edited with a simple popup