

trivum Features

Table of Contents

1. KNX Audio	1
2. Advanced Sound Control	1
3. HomeControl	2
4. Advanced Timers	2
5. Background music	2
6. Connected Spaces	2
7. Listen and transfer	2
8. Zone groups	3
9. paging	3
10. Text to Speech	3
11. Source mixes	3
12. Microphone Mixer	3
13. Schedulers	4
14. Output Mapping	4
15. Macros	4
16. trivum API	4
17. Protect	4
18. Inspect	4
19. RTI	5
20. Control4	5
21. URC	5
22. Node Red	5
23. MQTT	5

1. KNX Audio

So cool: a simple KNX switch is enough in the bathroom to turn on music in the morning. A motion detector of the in the guest toilet lets the magical chirping of birds sound. Or you leave the house and press the "Everything Off" KNX button: Not only the light but also the music is muted. This is how home automation succeeds!

[more ...](#)

2. Advanced Sound Control

Not all loudspeakers are optimally installed. Rather, one could say that no speaker is really good is

installed. And that's why speakers often don't sound like they could. Thanks to all trivum SoundSystems built-in DSPs (Digital Sound Processor) and thanks to t3OS, each speaker can be adjusted (equalized) individually. So that music sounds the way it should. Despite speakers.

[more ...](#)

3. HomeControl

trivum offers a user interface with music control, but lighting control via KNX is also possible. Control objects are defined in the trivum Home Control interface and are accessible on separate pages. It's easy to switch between music selection and controlling Switch between KNX devices without having to use additional software.

[more ...](#)

4. Advanced Timers

Regular timers turn music on or off at specific times on specific days. trivum multiroom systems enable 2 such timers per zone. Especially for outdoor areas and children's rooms, however, the task can also arise to determine Times to turn areas off, leave areas off, or limit volume. This is made possible with Advanced Timers.

[more ...](#)

5. Background music

Whether in medical practices, hotels or sales rooms: often you want to hear the same music everywhere. Individual areas can be switched off or want to listen to other music, but it should always be easy to switch to a general background music.

[more ...](#)

6. Connected Spaces

In the apartment there are often spatially connected areas, such as living room and kitchen, not separated by walls. There are loudspeakers for each area, which you can switch on or off separately, but in the end you always hear it same music. We call this feature 'Connected Spaces'. It is a simplified permanent connection of rooms, as an alternative to grouping.

[more ...](#)

7. Listen and transfer

Multiroom systems supply music to several rooms. When you're in the kitchen listening to an interesting podcast, but now you go into the study and want to continue listening to him there, then it should be possible: You want to 'take' the music with you. We call this feature 'Listen and Transfer'.

[more ...](#)

8. Zone groups

Usually you create groups interactively in the trivum user interface by selecting the zones and group them manually. However, this can be tedious if certain zone combinations are used frequently become. Instead, you can define a zone set that contains all the zones you want. This allows the Grouped or ungrouped with just one touch.

[more ...](#)

9. paging

The possibility of interrupting running music in rooms with announcements is mostly used in commercial environment, e.g. in medical practices or sales rooms. Announcements can be made with KNX telegrams, the planner or be started with the trivum campaigns and can therefore be used very flexibly.

[more ...](#)

10. Text to Speech

When making announcements, the same texts are often spoken through the microphone. It would be more pleasant to file these announcements prepared. TextToSpeech enables the Direct dubbing of entered text as generated audio file. This can then be used in any paging.

[more ...](#)

11. Source mixes

Several microphones are used in meeting or conference rooms. By Talk button is sometimes this, sometimes that microphone acoustically in the foreground fetched and turned down the others. Through the KNX support together with many line inputs, the trivum SC344m is ideally suited for this.

[more ...](#)

12. Microphone Mixer

In the commercial environment, e.g. sales rooms, waiting rooms or a hotel lobby, it is always necessary to add announcements to the music playback interrupt. Here, the music should be quieter, and the microphone level be easily customizable. The trivum Microphone Mixer makes this possible.

[more ...](#)

13. Schedulers

With trivum you can enter actions for certain days in advance and define repetitions. Events are clearly displayed and can be changed directly in the calendar view. Events can be any trivum action, including music and light control or device/sequence control with macros.

[more ...](#)

14. Output Mapping

Trivum's SC344m device is highly flexible, supporting 4 zones with 4 stereo speaker and line outputs. It allows for customization, such as mono mode for a single speaker in a room, combining zones for open areas, and adapting different speaker types to the room through DSP with output mapping.

[more ...](#)

15. Macros

Turn on the light in the living room when you get home. Then in the kitchen. Then start the chillout playlist with volume 20. If you do this every day, wouldn't it be nice to be able to do it all with the press of a button. And you can do that by setting up macros in trivum, performing multiple steps at once.

[more ...](#)

16. trivum API

If you have a touch panel for home automation, trivum can usually be used integrate well into it. If the trivum WebUI cannot be directly integrated is there the trivum API for calling functions via HTTP, e.g. "Play favorite #1", zone on/off, volume control.

[more ...](#)

17. Protect

The bartenders in a nightclub should be able to choose music, but don't accidentally change the network settings or deactivate music sources, only the club operator can do that. Such divisions are possible with trivum protect, including protecting the web configuration with a password.

[more ...](#)

18. Inspect

trivum multiroom systems enable many adjustments to the habits of the Users and also an integration into existing building services (KNX) or different automation systems. It can be done through a variety of options be necessary to get a deeper insight into the system. **inspect** enables

system integrators to view log files, warnings and system information. In many cases you can help yourself without requiring technical support.

[more ...](#)

19. RTI

RTI Corp is an American manufacturer of automation solutions. RTI manufactures remote controls, controllers, and touch panels which Media control can be used. This is how you can use a remote control to control audio, Control TV/beamer and possibly screen lifts.

[more ...](#)

20. Control4

Control4 is an American manufacturer of automation solutions, which integrates a large number of devices from different manufacturers. The Control4 driver adds trivum to the remote control, to control music status or listen to favorite stations.

[more ...](#)

21. URC

URC is an American manufacturer of automation solutions that devices integrate different brands. Trivum music in the living room can be per URC remote control to be started. The URC driver adds the trivum system to the Added menu to control music status in a zone.

[more ...](#)

22. Node Red

IBM Node-RED is a graphical development tool for IoT Use Cases. With the modular principle, function blocks easily connected to each other. The trivum NodeRed interface enables the integration of Trivum Multiroom systems in automations on basis by NodeRed.

[more ...](#)

23. MQTT

MQTT is a lightweight publish/subscribe messaging protocol ideal for IoT devices with small code footprint and bandwidth requirements. It is used in many industries and smart home products to devices connect and respond to events. trivum provides initial MQTT support.

[more ...](#)