

REVOX



MULTIUSER 3.0 SYSTEM

**Revox, the inventor of the multiroom,
convinces with
original studio sound quality
and sustainability.**



<https://revox.com/en/multiuser-multiroom>



Revox Multiuser | Multiroom System

Music should be where you are and tailored to your individual needs. A great musical experience creates a great sense of living and well-being. No matter whether you are in the living room, kitchen, wellness area or on the terrace. Intelligent multiroom solutions provide you with unique convenience and can be operated intuitively. Everything completely smart. Revox is the inventor of Multiroom and offers you the highest level of exclusivity with its products.

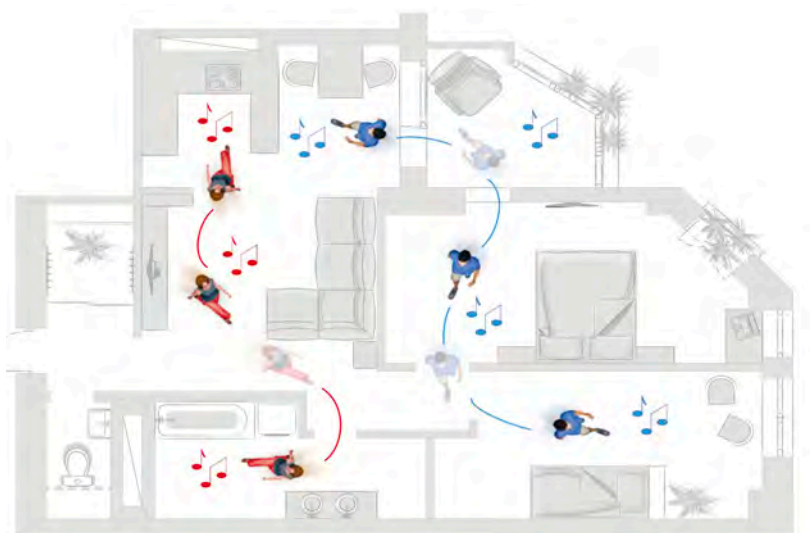
The Revox Multiuser | Multiroom Systems go much further than conventional products and enable a user-specific and individual solution for every user.

Completely individual

The new Multiuser 3.0 offers decisive advantages.

In addition to LAN, WLAN integration of several products is also possible for a multiroom application.

Each available source in the system can be saved individually as a favorite in the user's own profile. This concept creates a simple and immediately operable system, whether in one room or in several rooms.



Easiest Operation

A single press of a button is all it takes to bring your music into any room as easily as light. When it comes to operating the system, we go a decisive step further. For browsing music, but also for controlling the entire system, we consistently rely on wall controls in addition to the apps.

Multiuser 3.0 App Control

The easiest operation – worldwide. Patented by Revox.

- All sources in the system, whether local audio inputs or streaming services, can be added to the personal user favorites
- The start screen shows the user favorites directly. Open the app and immediately select and control your favorite source from your own favorites list
- User favorites can be grouped into folders for a very clear layout of the home screen
- Large player view with cover display, source information and direct save function
- Individual rooms can be controlled individually or grouped into zones
- Free apps for IOS and Android, Windows, Mac OS and Linux
- Browser-based web app for operation on a PC or touch panel



STUDIOCONTROL C200:

Android-based control with touchscreen and docking station

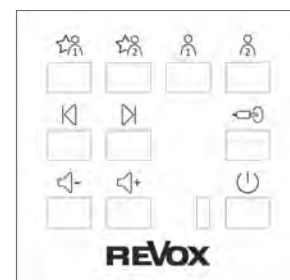
- Certified and therefore free access to apps in the Google Play Store
- Launcher function for a simplified user interface
- Accessible and available to everyone in the house
- Without login and visibility of personal apps/data



C18 Multiuser Wall Control:

Wall control unit for the Revox Multiuser System 3.0

- One-button operation via Revox wall control unit
- Freely configurable assignment of the button function in the configurator
- Can be individually labeled with text or icons
- Wired, therefore high stability and no radiation



C100 Multiuser Remote Control:

Infrared remote control with LED feedback

- Quick call button for 4 users and their user favorites
- Freely configurable assignment of the operating function in the configurator
- Operation of the TV set possible



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Sources

So that you can take your own individual music with you from room to room, the multiuser system offers numerous music sources that can be saved directly under the user favorites for easy access.

- An Internet radio and podcast service, the streaming services from Tidal and Deezer and the Spotify Connect interface are permanently integrated into the multiuser system for each user profile
- The **STUDIOMASTER** M300/M500 and the M30 Multiuser Amplifier have an Airplay 2 interface
- The V400 Multiuser Server offers one Airplay 1 service per user, which can be distributed to all rooms
- A music server for all common formats is also an integral part of the system: MP3, FLAC, AAC, ALAC or WAV.
- The multiuser system has local audio inputs on the amplifiers. The analog, digital or HDMI sources can be played back synchronously in all rooms of the system.
- With search functions, radio stations, albums, artists or playlists can be found quickly and then saved under user favorites for easy access
- All audio streams and services that are not permanently integrated in the system (e.g. Apple Music, UPNP and DLNA streams) can be fed in via an audio-sensitive input on the multiuser amplifier and then operated via the provider's original app.



Revox - Studio Sound Quality

The claim for the highest sound quality is already in the name. We also consistently implement this claim with the Multiuser 3.0 System.

- Time-synchronized streaming from all sources via any of a user's rooms in CD audio quality (this function is currently unique on the streaming market)
- Playback of high-resolution audio formats up to 192 kHz / 24 bit (High Resolution)
- Integrated digital signal processor in all multiuser amplifiers to adapt to the type of loudspeaker used in the room (also for invisible flush-mounted speakers)
- Minimal response time when controlling audio sources and operation

Network Communication

The Multiuser 3.0 system components communicate with each other via a network and are LAN and WLAN compatible. This allows the system to be planned and used very flexibly.

- All components can be connected to the network via LAN and WLAN, except V400 Multiuser Server (LAN only)
- Time-synchronous multiroom audio distribution via LAN, WLAN and mixed operation (WLAN/LAN)
- WLAN interface deactivated during LAN operation, for a low-radiation environment
- WLAN capability makes it ideal for retrofitting when cable pulling is not possible

Reliability and Sustainability

The development focus at Revox has always been on the quality and durability of the products and systems.

- Proprietary and modular hardware design guarantees future-proofing and independence
- Revox's own software protocols ensure a high level of operational reliability and independence
- Durability thanks to carefully developed and selected components of the highest quality
- New technologies can be integrated at any time through software or hardware updates
- During further development, the highest value is placed on a stable and consistent interface. Guarantee of a completely open API (application programming interface) for integrators.

Interfaces

- The multiuser system offers numerous interfaces (triggers) for controlling the multiuser components or products from other suppliers. These include infrared triggers, HDMI CEC triggers, triggers with input and output voltage, sensitive audio triggers, state-dependent triggers, alarm-dependent triggers and much more
- Revox offers freely configurable proxy services on the system to control third-party products. For example, an external CD player can be switched on and controlled directly when the input source is called up.

Building automation connection

- The multiuser system has a well-documented network interface, which greatly simplifies integration into building automation systems thanks to plain text commands and status feedback messages
- The open and well-documented network interface to the Multiuser Server is characterized by its consistency and is available to any interested party (API).
- Revox is continuously working with partners on standardized plug-ins and integration modules for various smart home systems. Ask us for more information.

Multiuser 3.0 KNX Gateway



With the Revox Multiuser 3.0 KNX Gateway, the Multiuser System can be conveniently integrated into the KNX home control system.

The gateway serves as an interface between the Revox Multiuser System and the KNX world. The gateway has a predefined database that facilitates integration and contains all relevant status feedback.



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Multiuser 3.0 System Components

The multiuser system requires a server that provides the user profiles and the corresponding music sources. Depending on whether you are looking for a standalone or multiroom solution, different system components can be used or combined.



STUDIOMASTER M500/M300

The **STUDIOMASTER** can be used as a server and room amplifier at the same time. It is a high-end audio system with a powerful integrated amplifier, DAB+, FM tuner, an OLED glass front display and a wide range of possible audio sources and connection options.

- M500: 2 x 180 watts RMS / M300: 2 x 120 watts RMS
- 4 user licenses included in the purchase price
- LAN and WLAN capable
- Music sources: iRadio, Podcast, Spotify, Tidal, Deezer, AirPlay2
- Local inputs: HDMI-ARC, Bluetooth, FM/DAB+, analog, coaxial, optical
- Remote maintenance access possible via optional license



V400 Multiuser Server

The V400 Multiuser Server supplies all room amplifiers and multiuser modules with the associated streams (e.g. the services for the music server, AirPlay, Spotify, Deezer, Tidal or Internet radio) and coordinates the operation of apps or home control systems. It is a pure server and is therefore particularly suitable for multiroom solutions with several rooms.

- 2 user licenses included in the purchase price, number of users expandable to 16 users
- Music sources: iRadio, Podcast, Spotify, Tidal, Deezer, AirPlay1, music server
- Remote maintenance access possible via optional license
- Space-saving installation also possible in rack (1U)



M30 Multiuser Amplifier

The Revox M30 Multiuser Amplifier is an amplifier for room sound reinforcement within the Revox Multiuser System. It has an excellent DSP stereo power amplifier and has sufficient power for virtually any loudspeaker. Thanks to its flexible network integration via WLAN or LAN, it can be used anywhere in the house or apartment.

- 2 x 50 watts RMS with separate DSPs for power amplifier and pre-out
- LAN and WLAN capable
- Wall or rack mounting possible with optional brackets (1U)
- In/Out module with local inputs optionally available

Multuser 3.0 System

OVERVIEW OF BENEFITS



Benefits of user logic

- Each user has their own personal favorites list with their own music
- All audio sources of the system can be added to the user favorites: Radio stations, own playlists, music tracks, local inputs such as turntable or TV sound
- The user favorite list appears directly on the home screen of the app
- User favorites can be grouped into folders for a very clear layout of the home screen
- Your own music can be taken from room to room with one click
- Rooms and zones can be controlled individually and user-dependently, several rooms can be combined into one zone
- Each user profile can be configured individually with access rights to users, rooms, zones and sources

System benefits

- LAN and WLAN compatible, with absolutely synchronized audio playback
- AirPlay and Bluetooth interfaces enable audio playback from mobile devices
- Existing network storage for digital music can be fully integrated
- Integrated alarm clock and sleep timer
- Systems with up to 64 rooms and 32 users can be implemented
- Room amplifier can be placed centrally in a technical room or decentrally in the room
- Rooms can be grouped into zones and controlled
- Option for bell or announcement calls
- Volume limit can be defined per room or zone

Diversity of system operation

- Multuser 3.0 App available for free in the Google Play and Apple App Store
- **STUDIOCONTROL C200**, an Android touch control with docking station
- C18 Wall Control, wired and therefore radiation-free
- C100 Remote Control (infrared), with TV learning function
- Web browser or PC App available
- KNX push-buttons or visualizations via Multuser 3.0 KNX Gateway
- Can be easily integrated into smart home servers and systems

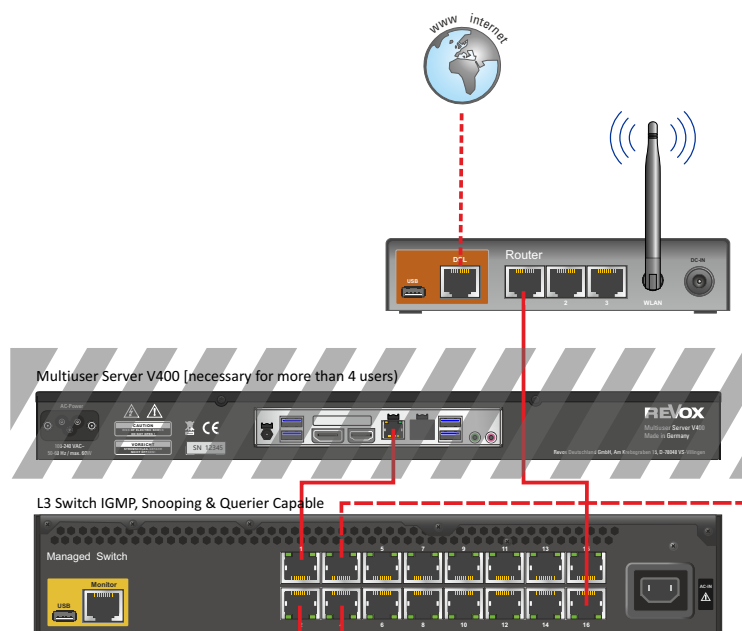


Audio benefits

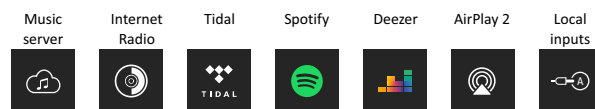
- Each user has access to numerous and individually configurable audio sources from the server, fully integrated streaming services such as TIDAL and Deezer can be connected to your own profile (streaming subscription)
- External audio sources can be connected to any multuser audio input and are then available to the entire system at the same time
- Freely configurable DSP in each amplifier with predefined settings for Revox speakers
- Loss-free and absolutely time-synchronized playback of music sources (across rooms and zones)
- Sensitive audio inputs can be activated for automated switching on, off or switching over

Advantages of system configuration

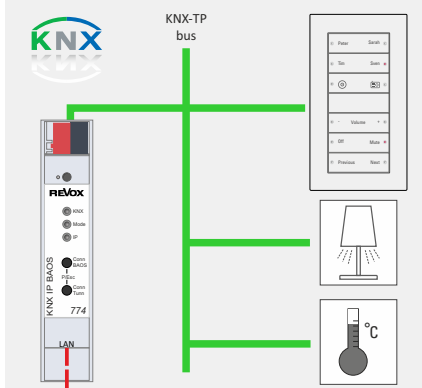
- Simple configuration possible directly via App
- Expert settings possible via Revox Configurator in the web browser
- Remote access for service or configuration work optionally available
- Integration of third-party products possible via proxy service in the Revox Configurator
- Maximum flexibility for system functions, as each trigger can be customized using the multuser text command
- Complete project backup can be created with one click, restoration possible in a few seconds
- Revox's own software protocols ensure high operational reliability and independence



Music sources

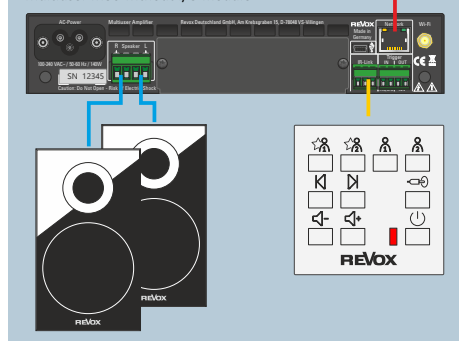


Optional control possibility via KNX



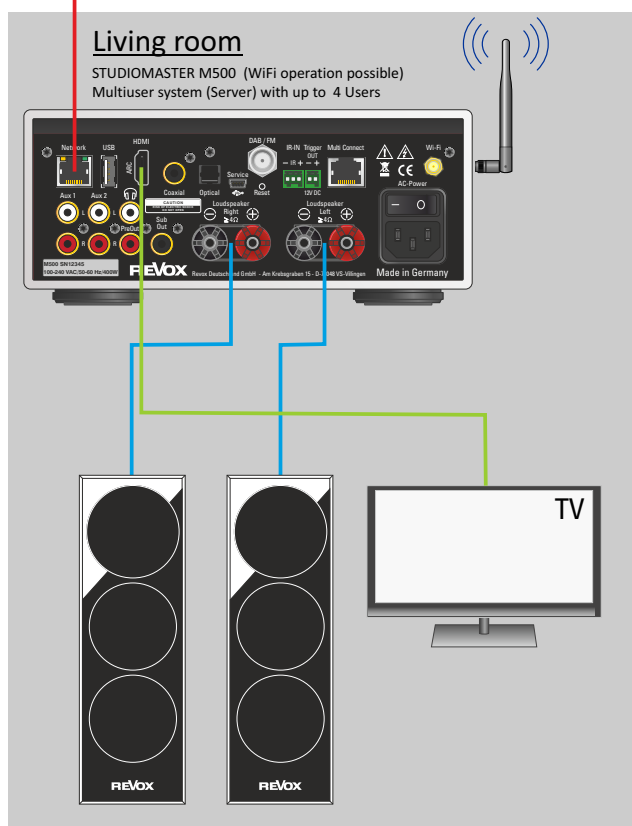
Kitchen

Multiuser M30 without I/O module



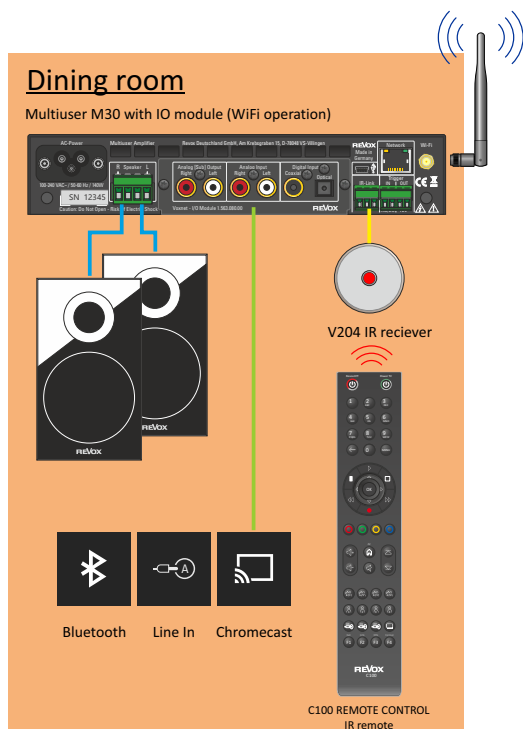
Living room

STUDIOMASTER M500 (WiFi operation possible)
Multiuser system (Server) with up to 4 Users



Dining room

Multiuser M30 with IO module (WiFi operation)

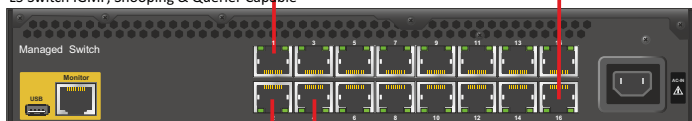




Multuser Server V400 [necessary for more than 4 users]

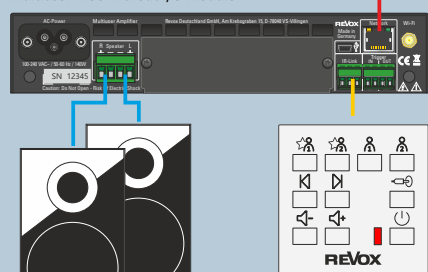


L3 Switch IGMP, Snooping & Querier Capable



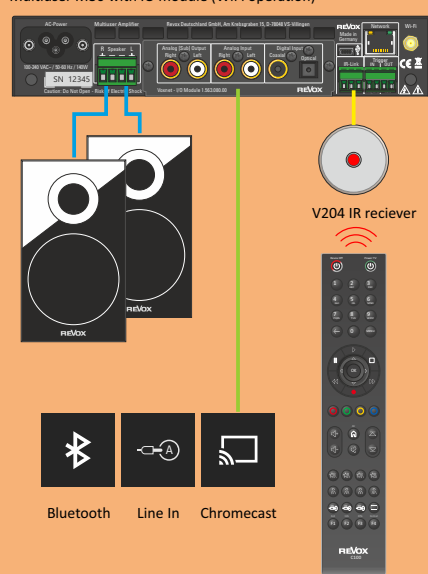
Kitchen

Multuser M30 without I/O module

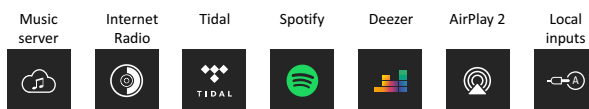


Dining room

Multuser M30 with IO module (WiFi operation)

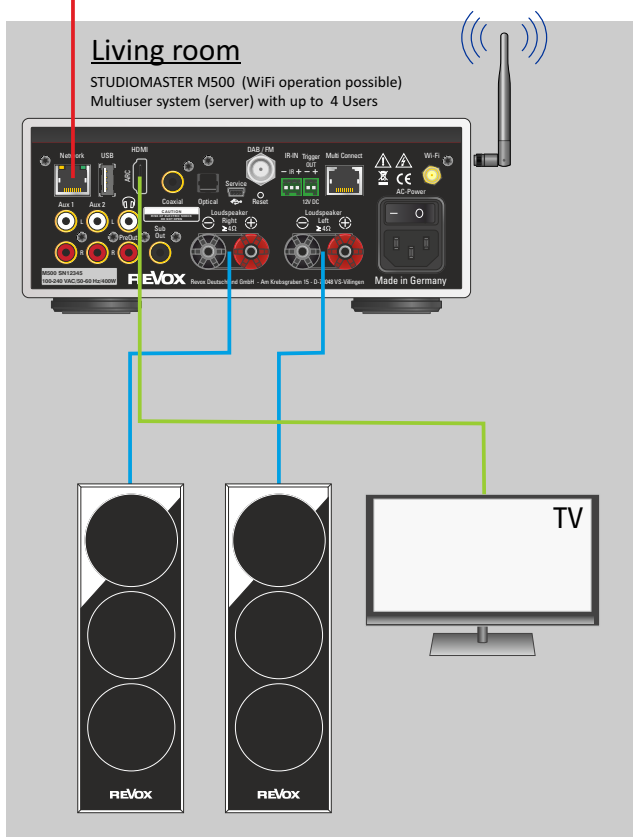


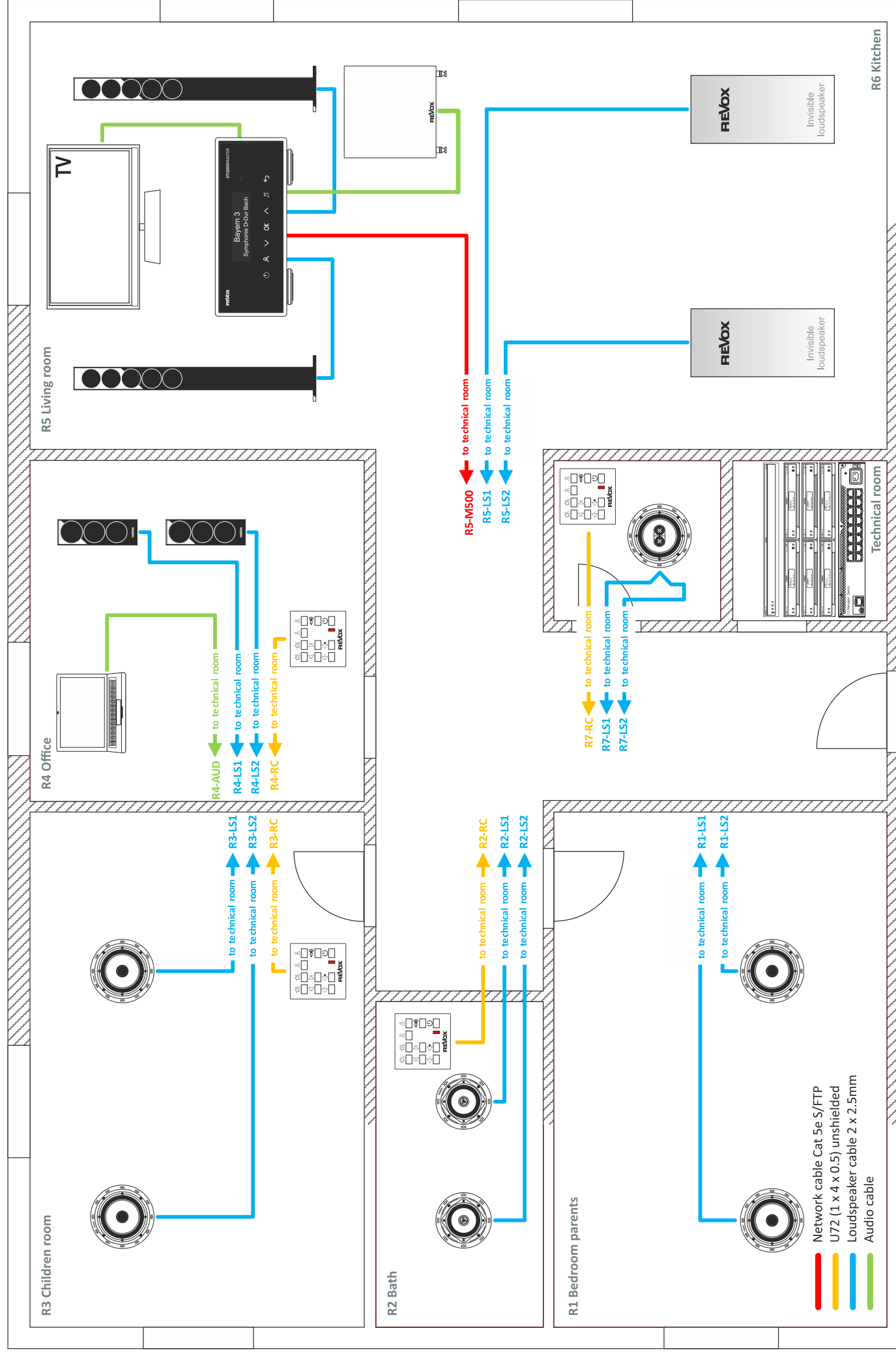
Music sources

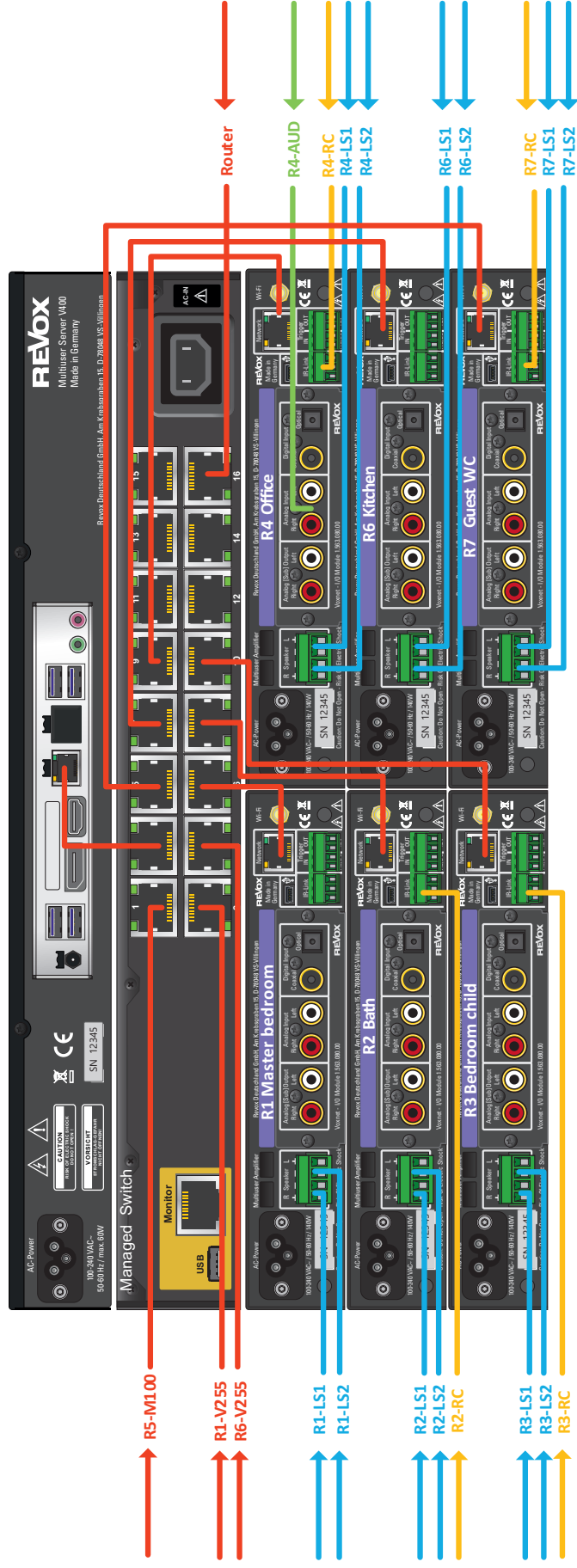


Living room

STUDIOMASTER M500 (WiFi operation possible)
Multiuser system (server) with up to 4 Users







Cable specifications

The cable types listed below correspond to the minimum requirements

- Network cable Kat 5e S/FTP
- U72 (1 x 4 x 0.5) unshielded
- Loudspeaker cable 2 x 2.5mm
- Audio cable

Network specifications

The Revox Multiuser System and its components (server, amplifier, etc.) use IP multicasting technology for communication in the network.

- Multicast-capable network with Layer3 switch (IGMP Snooping & Querier supporting)
- Fixed 1Gbit cabling (100 Mbit to the clients is a minimum requirement)

Device specifications

The space requirement for all Multiuser components for this project is 5U in total, whereby two V219 Multiuser amplifiers can be placed per height unit with the Multiuser 19" shelf.

- Multiuser Server V400 1 height unit (44 mm x 438 mm x 256 mm 230V/6W typ.)
 - Layer 3 Switch* 1 height unit (44 mm x 430.5 mm x 210 mm 230V/25W without PoE)
 - V219 & V219b Multiuser amplifier 1 height unit (44 mm x 218 mm x 255 mm 230V/9W Normaloperation, 140W max)
- * depending on the type and model, the dimensions and consumption data may vary



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