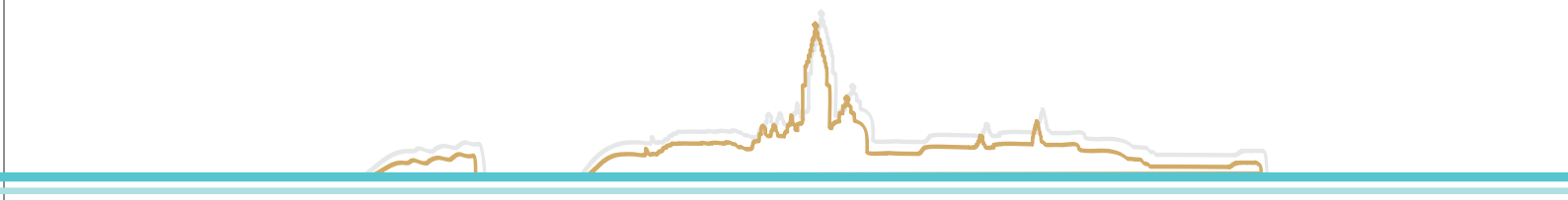
AUDIO

HOME



TUTONDO

WHOLE HOUSE AUDIO AND MULTIMEDIA
MULTIROOM CATALOGUE

TUTONDO

a brand of Atec srl

OUR PROFILE

Tutondo was developed by a team of people driven by their passion for music, designing and manufacturing audio systems for sound reproduction. Our special attention to design, research through materials, colors and applications and the use of the newest technologies all aim to achieving high quality sound production from units tailored for indoors and outdoors. This is the profile of our Italian company, with a strong cultural and territorial link of Venice, the birthplace of polyphonic music and opera.

OUR STORY

Our work has been based on a passion for Sound for over thirty years, leading to the production of Audio Multiroom sound systems for listening to hi-fi music from any room in the home.

OUR MISSION

Right from the start, our mission has always been to offer Multiroom audio and video systems for sound diffusion with a range of high quality and attractive speakers. The reproduction of hi-fi sound for musical entertainment, to be shared in all rooms of the home, through flush-mount speakers and offering quality sound thanks to our long lasting experience in the sector.
Sound reproduction in each room, of tracks that can be chosen from the master units, shared with other rooms in the home, or from custom sources plamed in the user's own room on MP3 players via USB ports or streamed online via Bluetooth, from smartphones and tablets.
This is our aim: offering you the utmost in sound quality in each room of your home as you want it through precious objects, while keeping a careful eye on evolution and innovation.
The integration with other systems in the smart home drives us to seek increasingly new applications, linked to the functioning and security of your home with audio/video messages generated by our Multiroom Audio and Video Systems.

AUDIO-VIDEO MULTIROOM

INTEGRATED HOME AUTOMATION

MOBILE CONTROL

NOW YOU CAN

STATE OF THE ART TUTONDO MULTIROOM

Today, the evolution of Multiroom Audio systems allows the listener to choose its favorite songs, not only from a central unit through traditional sources such as CDs, vinyls or tuners, all with inherent limitations, but also through new technologies as smartphones and tablets. Another great opportunity now presents itself; the possibility of finding any classified and recorded music track on the Internet, and the option to stream music on smartphones and tablets directly and privately and listen to it in any room we desire, through speakers which can either be recessed or flush-mounted on the walls of our homes. By adjusting the volume and tones through remote or in-wall controls or even directly via a smartphone we can customize the listening privately or share music with other rooms of the house. A remarkable possibility is offered to lovers of good music and an opportunity for all, especially for new generations who can discover, listen and share music from all over the world. All of this is possible using Tutondo digital Audio Multiroom Systems; reliable, easily accessible, faithful in its sound reproduction, with the additional option of using the same system to provide Audio and Video monitoring of all the other systems which make up the Smart Home.

INTEGRATION IN THE TUTONDO SMART HOME

We are now able to offer access to audio control and monitoring by all Smart Home systems, starting with our Audio-Video Multi Room entertainment systems, equipped with digital control units, designed with the optional integration through open protocols, used on the top quality home automation systems.
Our Multi Room Systems provide sound and video using devices and systems built into the indoor and outdoor. In addition to music, these systems can also supply information on security and operation of other home automation systems in real time, sending priority warning messages / voice alarms. Home system integration is now a necessity, as we find ourselves ready to interact with other Systems, not only through fixed and mobile indoor user interfaces, but also through mobile networks by smartphone and tablet. This type of integration opens up new opportunities for simplified management and security in the Smart Home.

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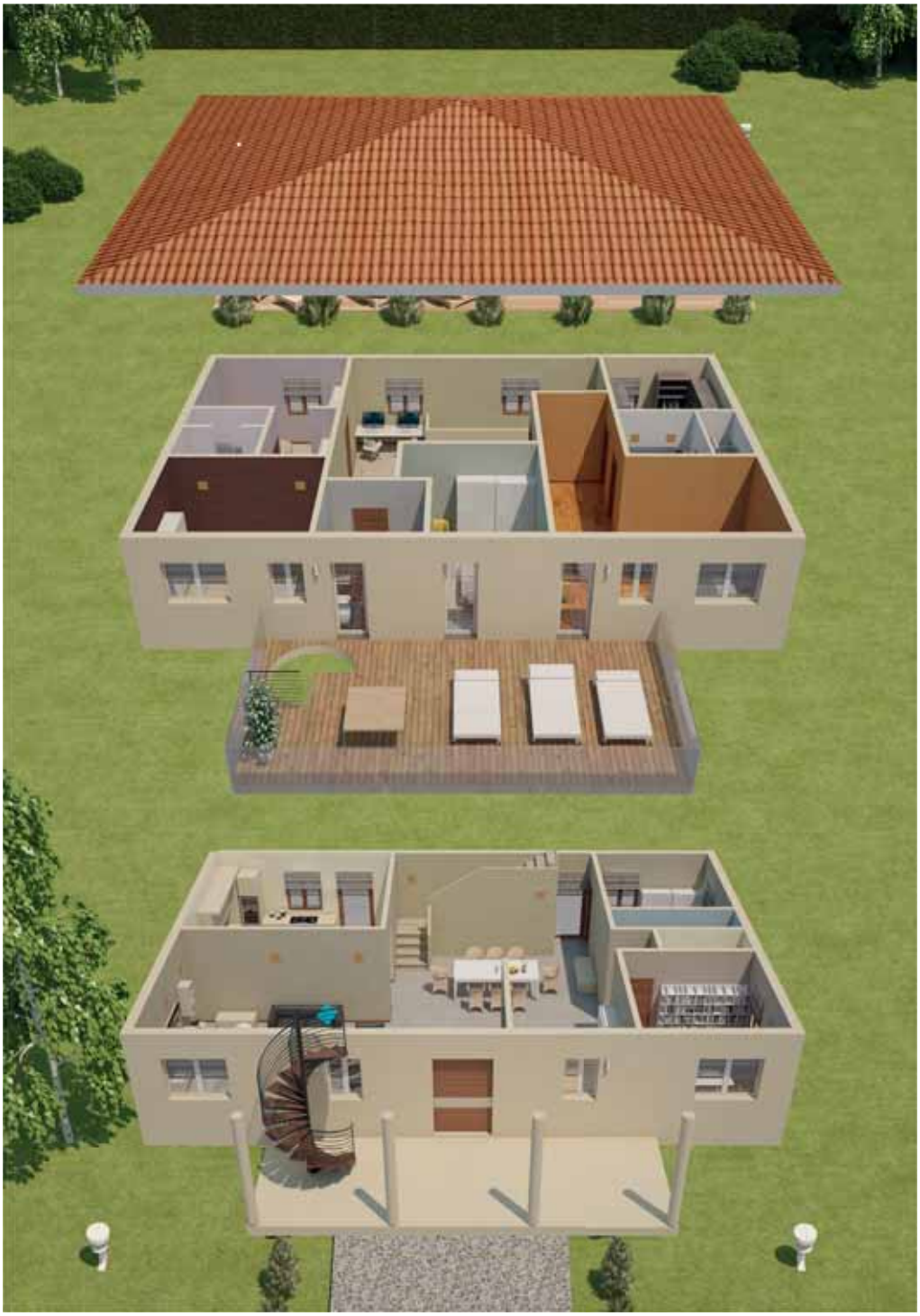
MONDO DIGITAL MULTIROOM SYSTEMS

Mondo series Digital Systems manage centralized Audio-Video sources, distributing them in the rooms of your Home for Musical and Video entertainment, or privately you can listen to sound tracks downloaded in real time from the net through your smartphone or tablet. Through integration with home automation systems, they can send pre-recorded Audio/Visual messages, sharing theme throughout the home or privately in a single room for the security and the simplylied management of your smart home.



MONDO TAV EXAMPLE OF A SOUND SYSTEM IN A GARDEN OF TWO FLOOR HOUSE

Example of Mondo audio / video system in a two floor house with a garden.

Placing speakers in two zones in the garden.

Detail of the garden

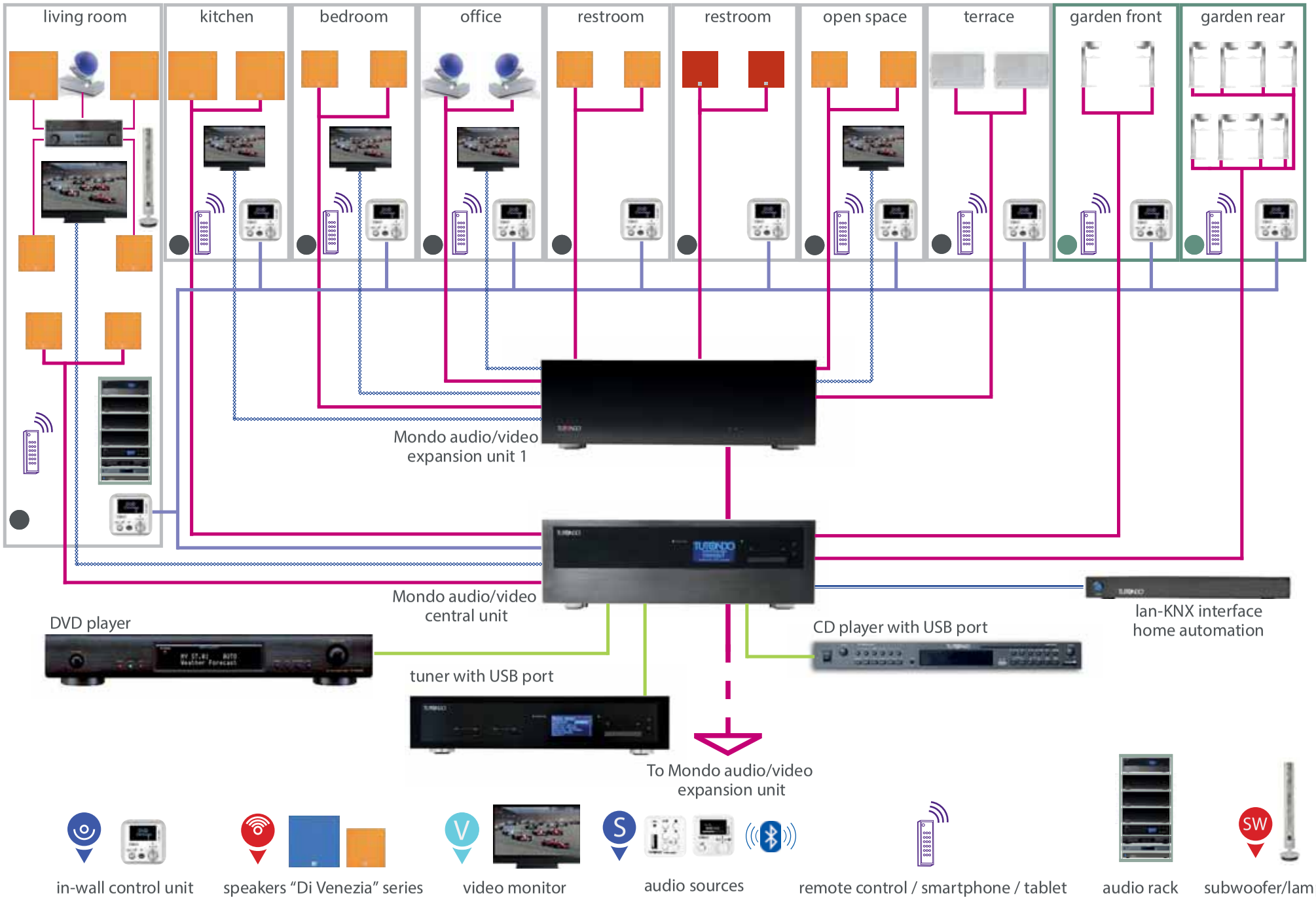
MONDO TAV EXAMPLE OF SOUND SYSTEM IN GROUND FLOOR ON A TWO FLOOR HOUSE

Example of Mondo audio / video system in a two floor house with a garden.

Placing components on the ground floor in 7 rooms and terrace.

Detail of room 1

Mondo audio / video system block diagram of garden and ground floor on a two floor house



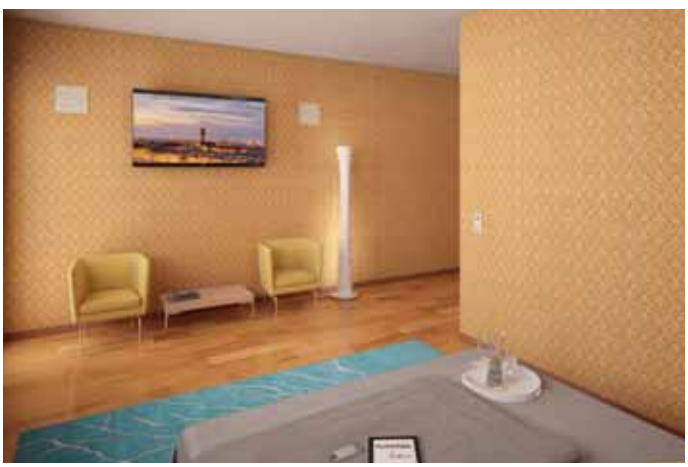
MONDO TAV EXAMPLE OF PLANT IN FIRST FLOOR ON A TWO FLOOR HOUSE

Example of Mondo audio / video system in a two floor house with a garden.

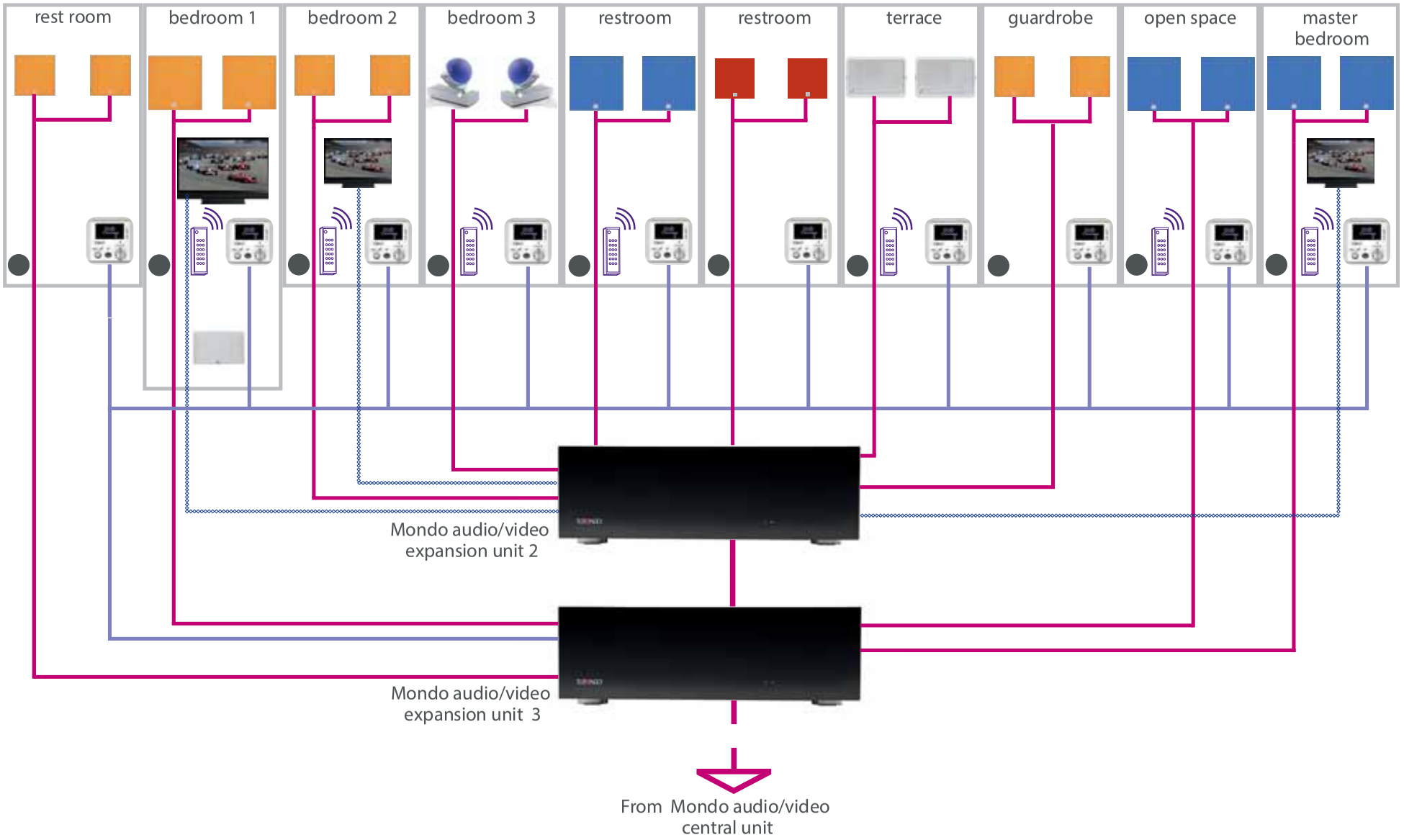
Placing components on the first floor, 9 rooms and terrace.

Detail of room 19

Detail of room 20



Mondo audio / video system block diagram of garden and ground floor on a two floor house



in-wall control unit

speakers “Di Venezia” series

video monitor

audio sources

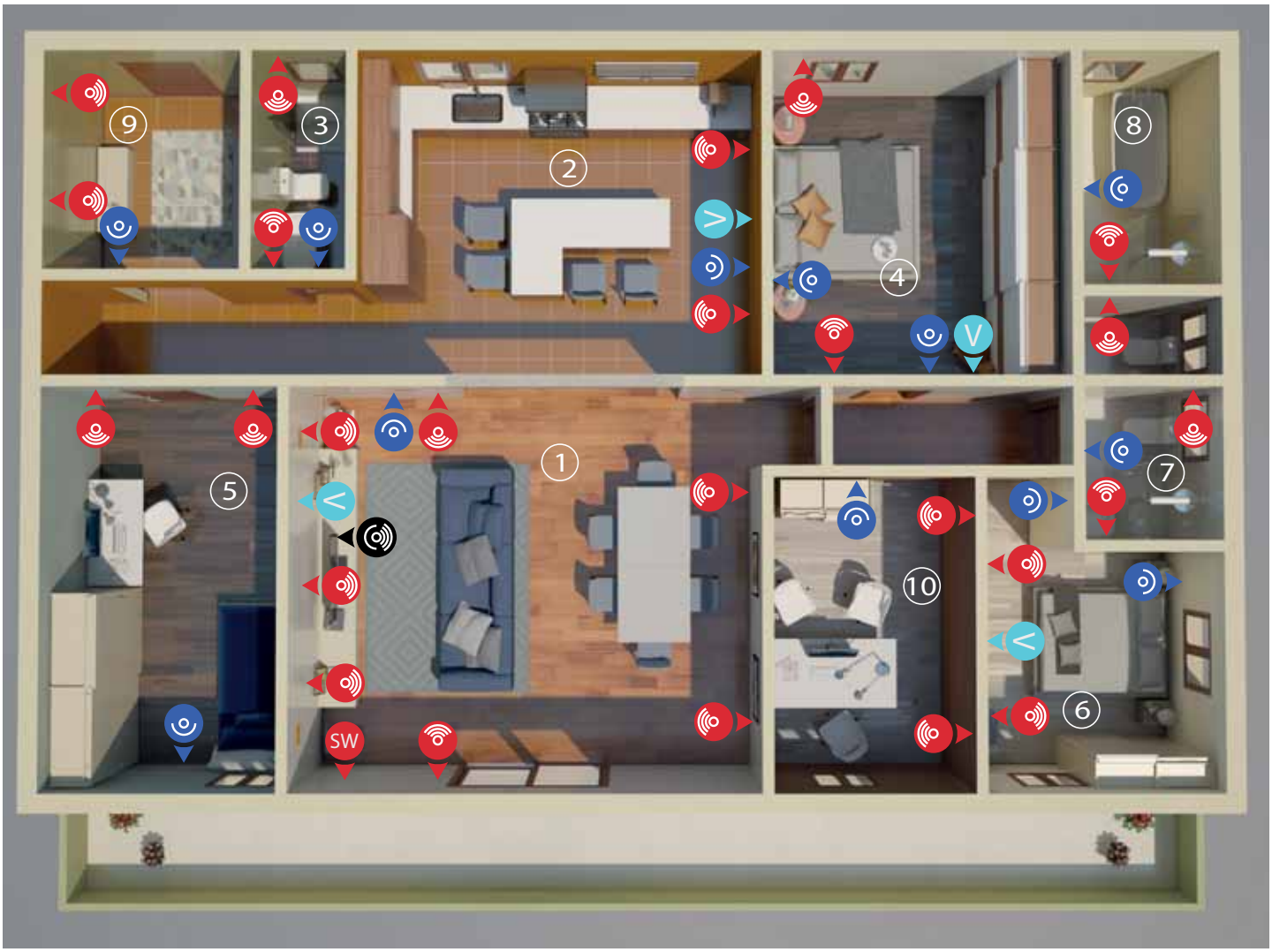
remote control / smartphone / tablet

in-wall subwoofer

MONDO TAV : EXAMPLE OF A SOUND SYSTEM INTO ONE FLOOR FLAT

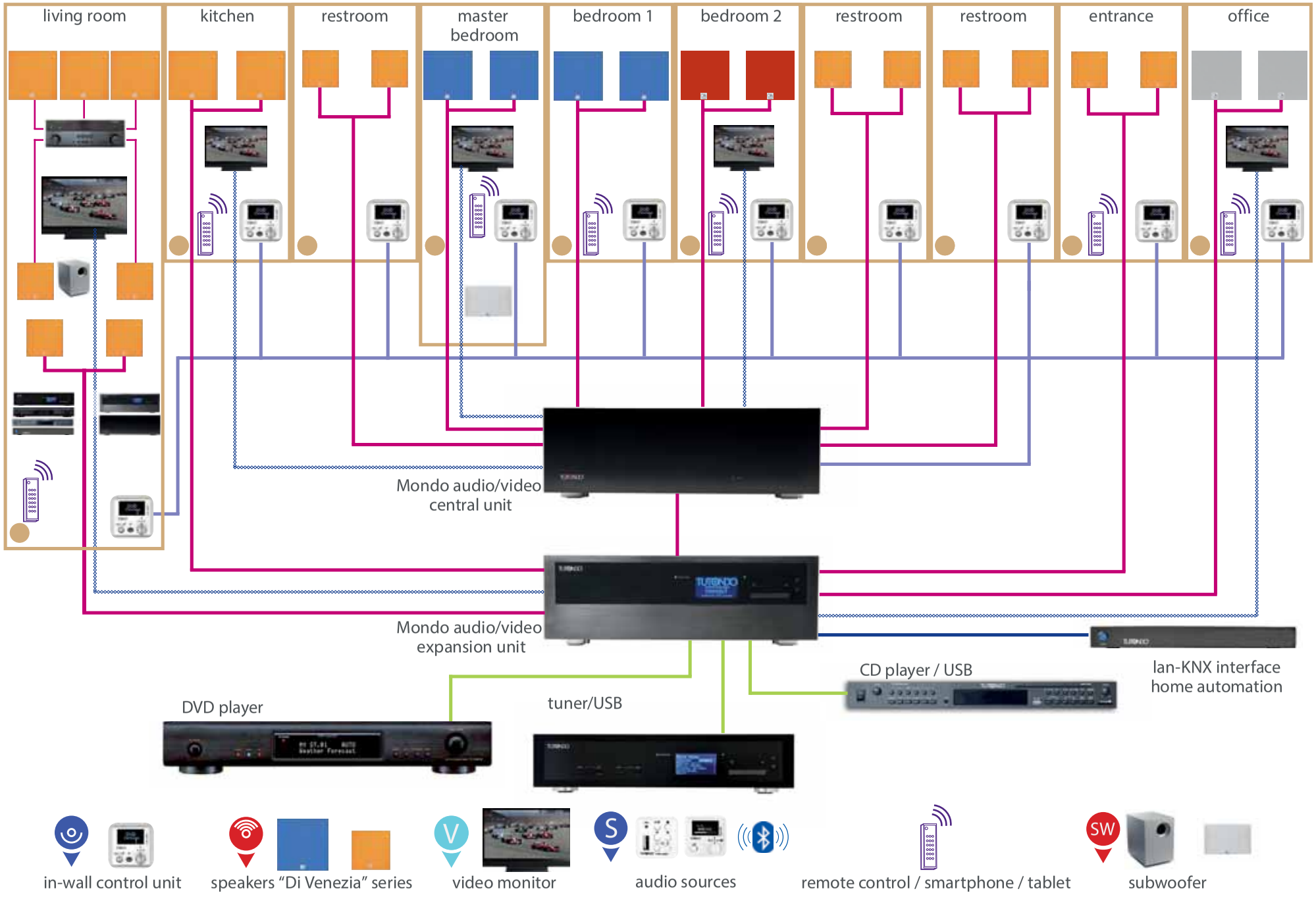
Example of an Mondo audio / video system into one floor flat with 10 rooms.

Placement of components in the rooms.



Detail of room 1

Mondo audio / video system block diagram into a one floor flat with 10 rooms



VIRTUOSO ANALOGUE SYSTEMS

Virtuoso Analogue Systems, operating with active speakers, represent the simplest and most flexible way to create a Multiroom Audio system. Available in various configurations, they offer the perfect solution for musical entertainment and voice messages, to be shared and enjoyed privately in your own room and where music can be streamed from around the world through a smartphone or tablet via Bluetooth.

Expandable **Virtuoso I System** for use from 1 to 3 rooms without a central unit, offering 3 private Hi-Fi stereo programs which can also be shared in other rooms.
It operates with active speakers with an incorporated amplifier.

Virtuoso system without a central unit, detail of room 2

The expandable **Virtuoso II System** with the RD2502N central unit for use from 1 to 20 rooms, with 2 shared Hi-Fi stereo programs and 1 private program for each room.
Priority messages can be sent directly from the central unit using designated microphone modules
It operates with active speakers with an incorporated amplifier.

Virtuoso system with a central unit, detail of room 2

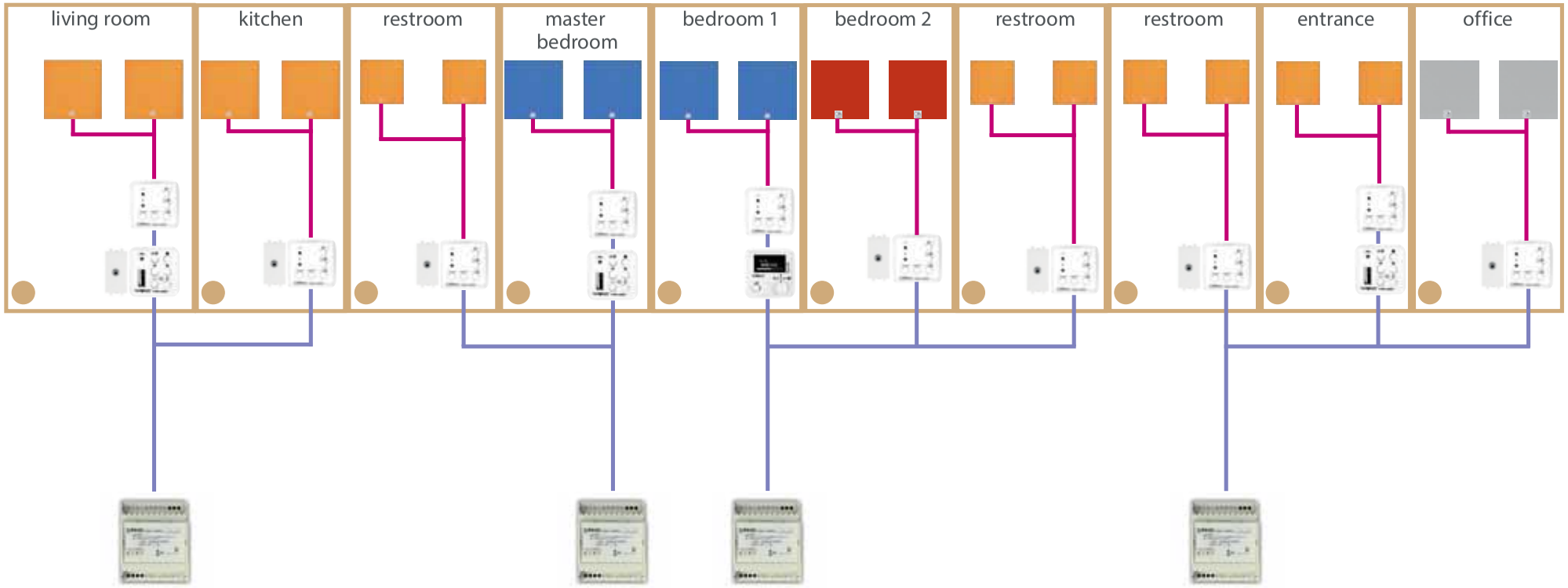
VIRTUOSO I : EXAMPLE OF PLANT INTO A ONE FLOOR FLAT

Example of an Virtuoso audio multiroom system, without central unit, into a one floor flat.

Placement of components in 10 rooms.

Detail of room 2

Virtuoso audio multiroom system block diagram, without central unit, into a one floor flat with 10 rooms



in-wall control unit

speakers “Di Venezia” series

audio sources

audio inputs

power supply

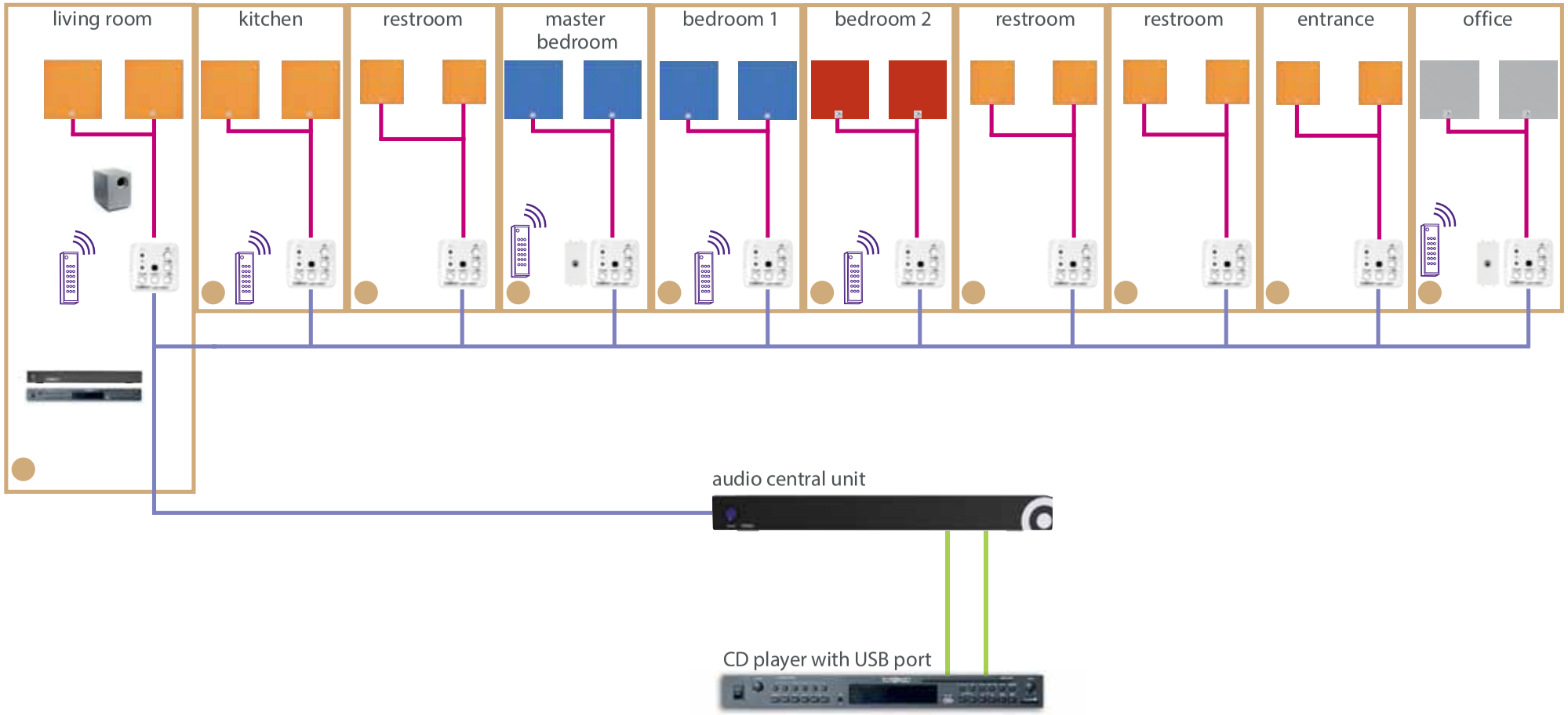
VIRTUOSO II : EXAMPLE OF PLANT INTO A ONE FLOOR FLAT

Example of an Virtuoso audio multiroom system, with central unit, into one floor flat.

Placement of components in 10 rooms.

Detail of room 4

Virtuoso audio multiroom system block diagram, with central unit, into a one floor flat with 10 rooms



in-wall control unit

speakers “Di Venezia” series

audio central unit

audio sources

remote control

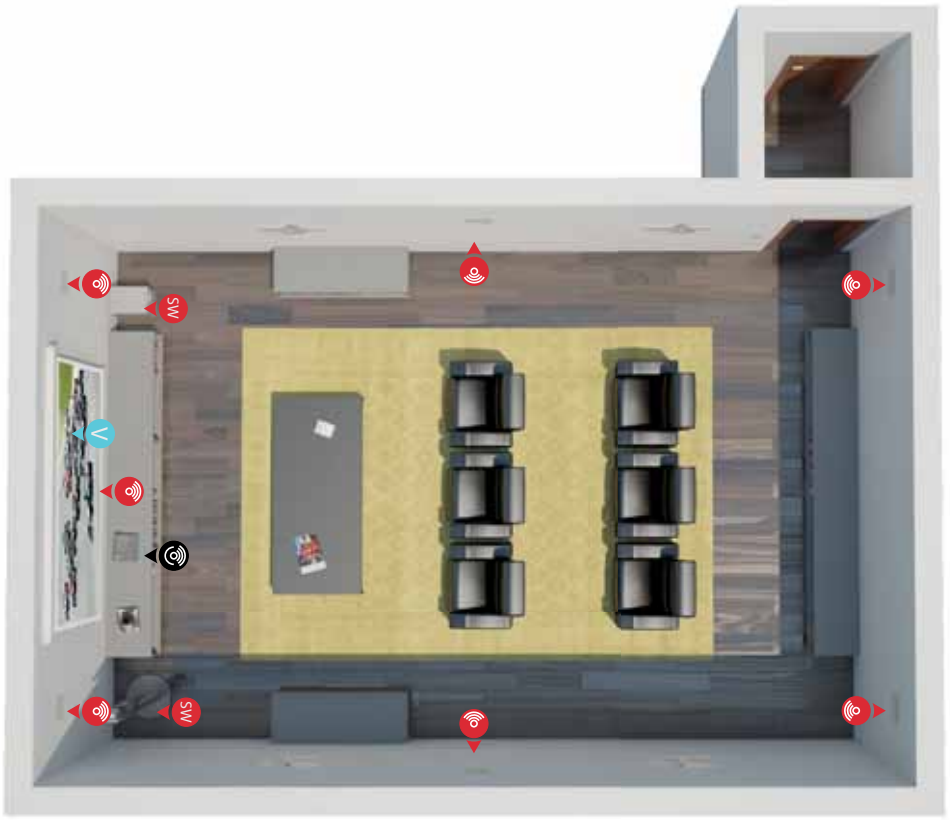
subwoofer

HOME THEATRE SYSTEMS

The 5.1 and 7.2 Home Theatre Systems with our Di Venezia and OH speakers, represent a high quality solution with a unique and elegant design. The speakers are in-wall or wall-mounted in the appropriate positions, to obtain the maximum range of spatial and dynamic perception in the Surround Sound version within the Home Theatre, which is part of a Multiroom Stereo Hi-Fi Audio system, normally installed in the main room of the house, or in a dedicated area, for the family entertainment.

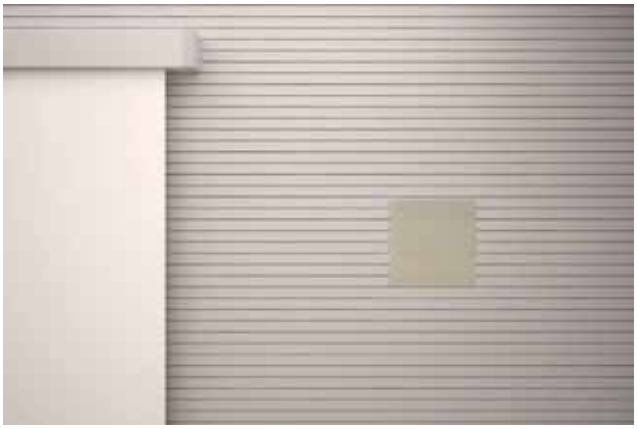
HOME THEATRE 7.2 ON A DEDICATED ROOM

7.2 Home Theatre speakers distribution plan in a dedicated room (dimensions 10 x 6 x 3 m).

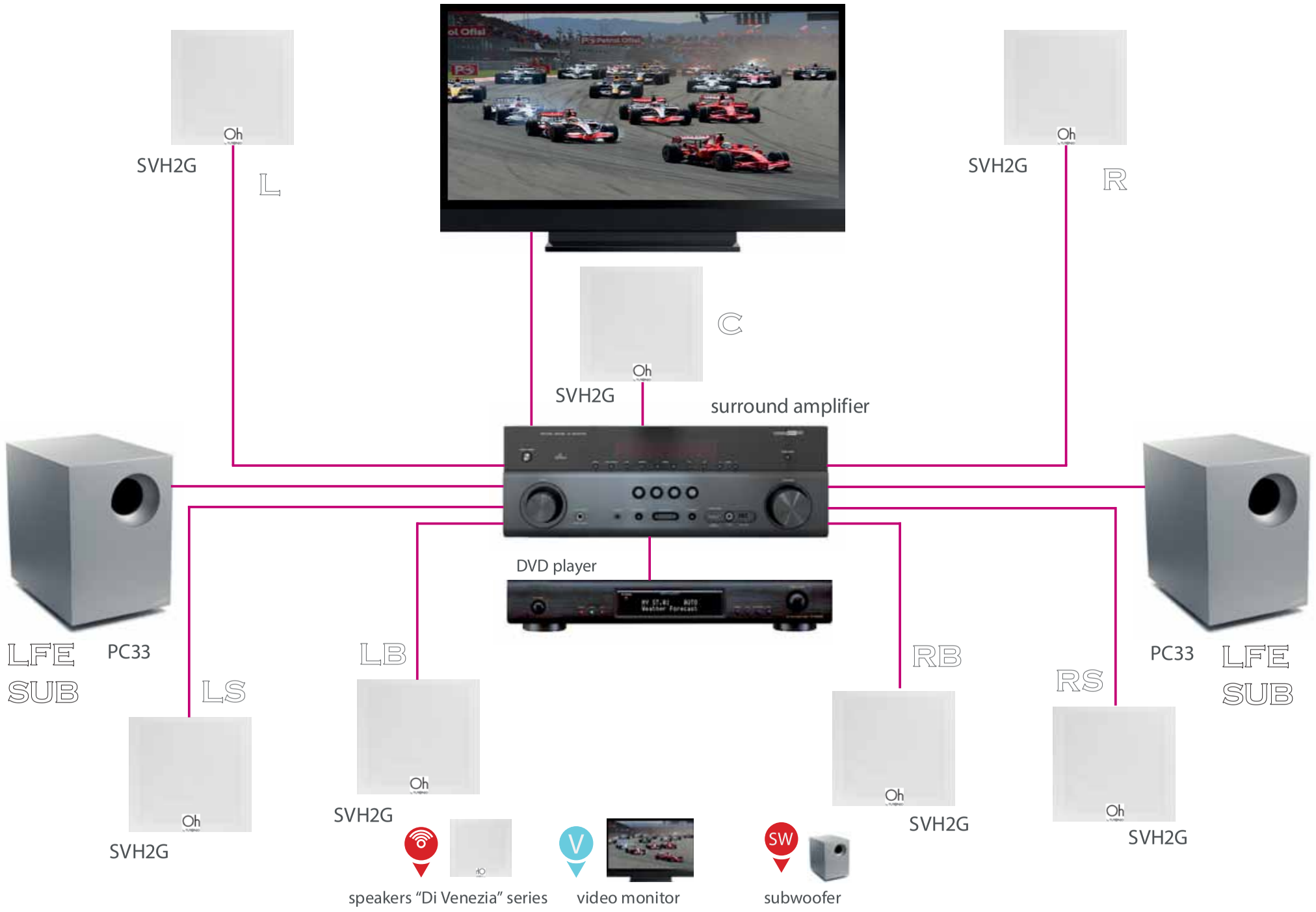


Bottom view

Detail with Topakustik wall

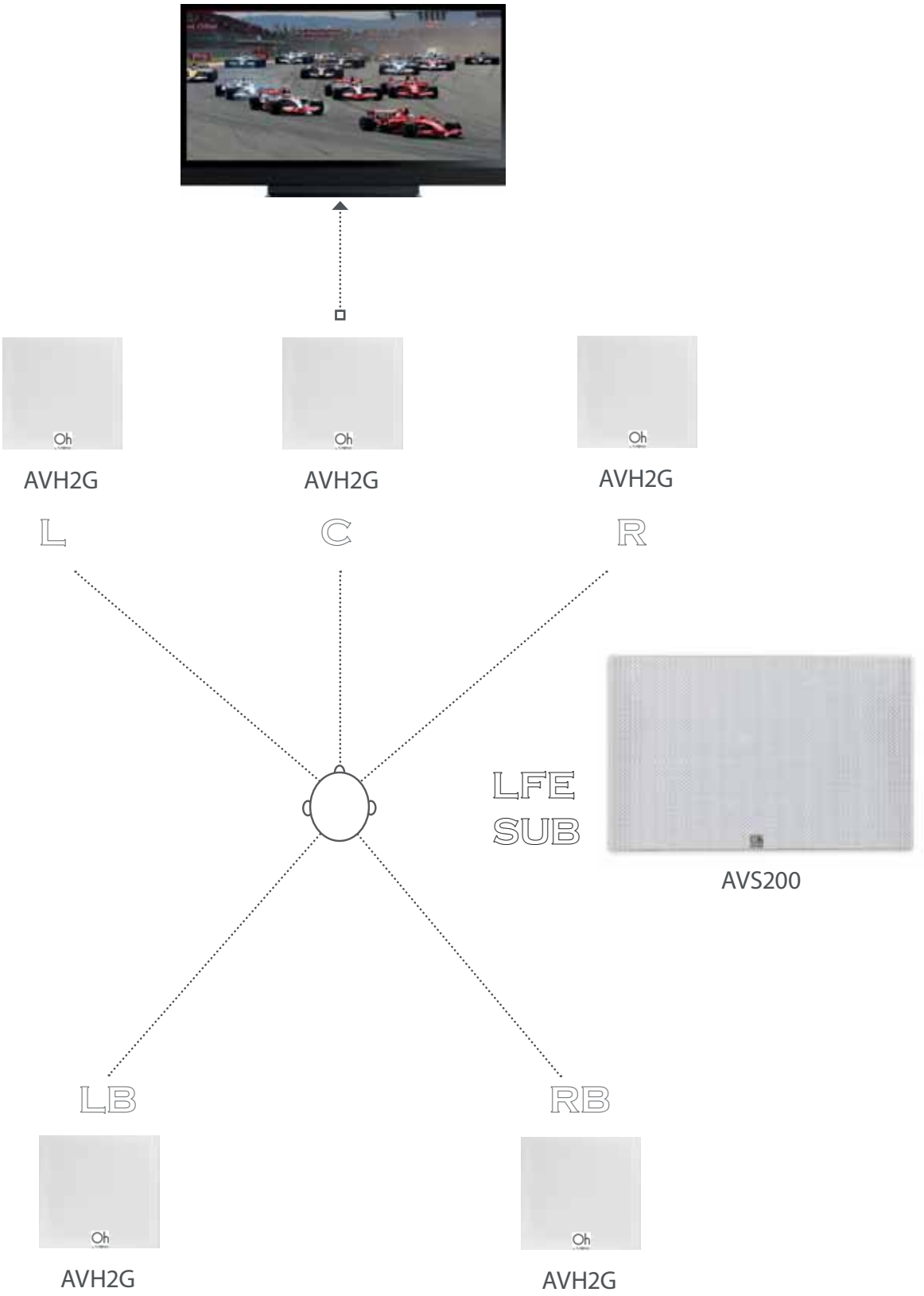


7.2 Home Theatre speakers block diagram on a dedicated room with on-wall and standing speakers



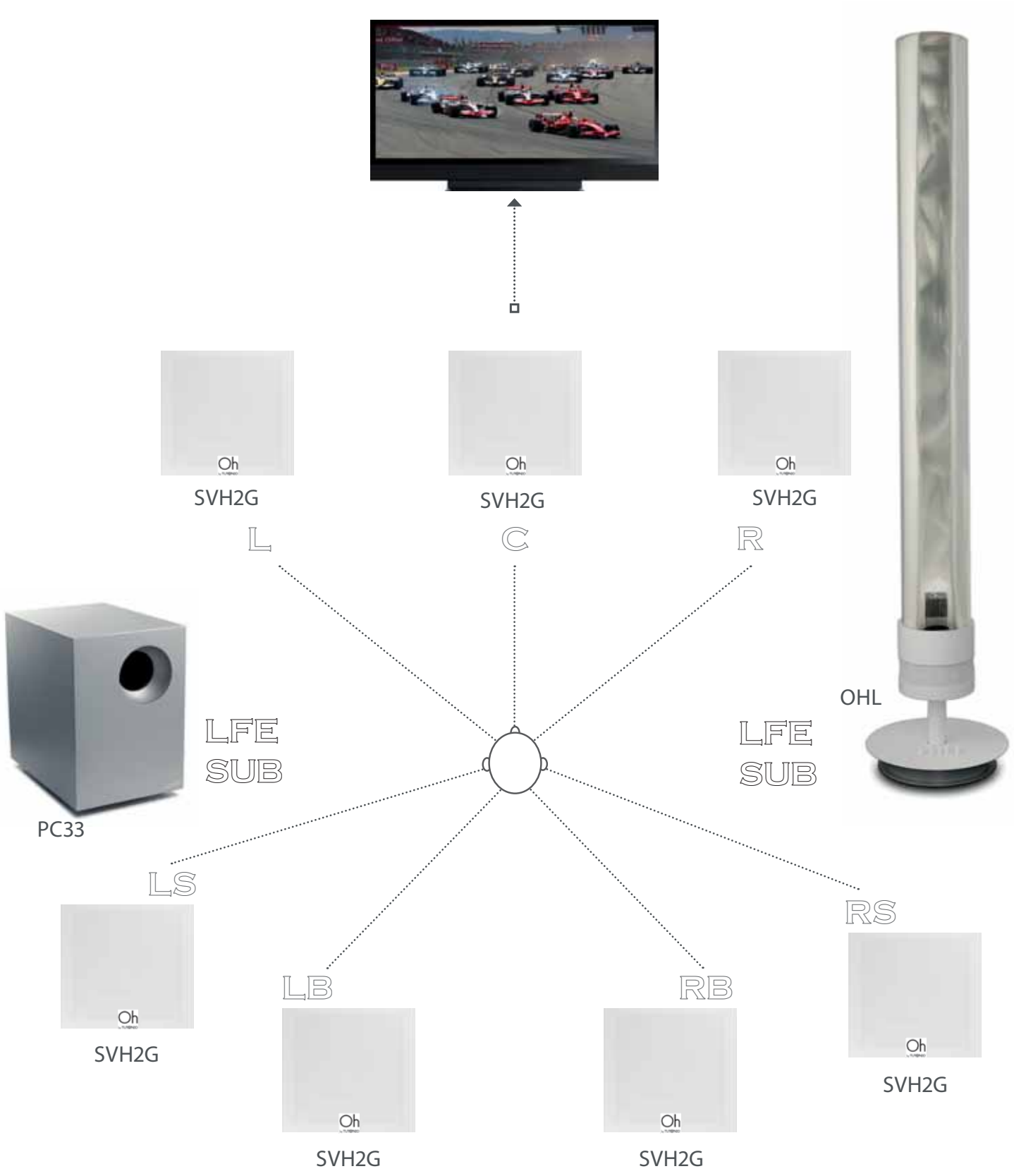
5.1 HOME THEATRE WITH DI VENEZIA SERIES SPEAKERS

System configuration



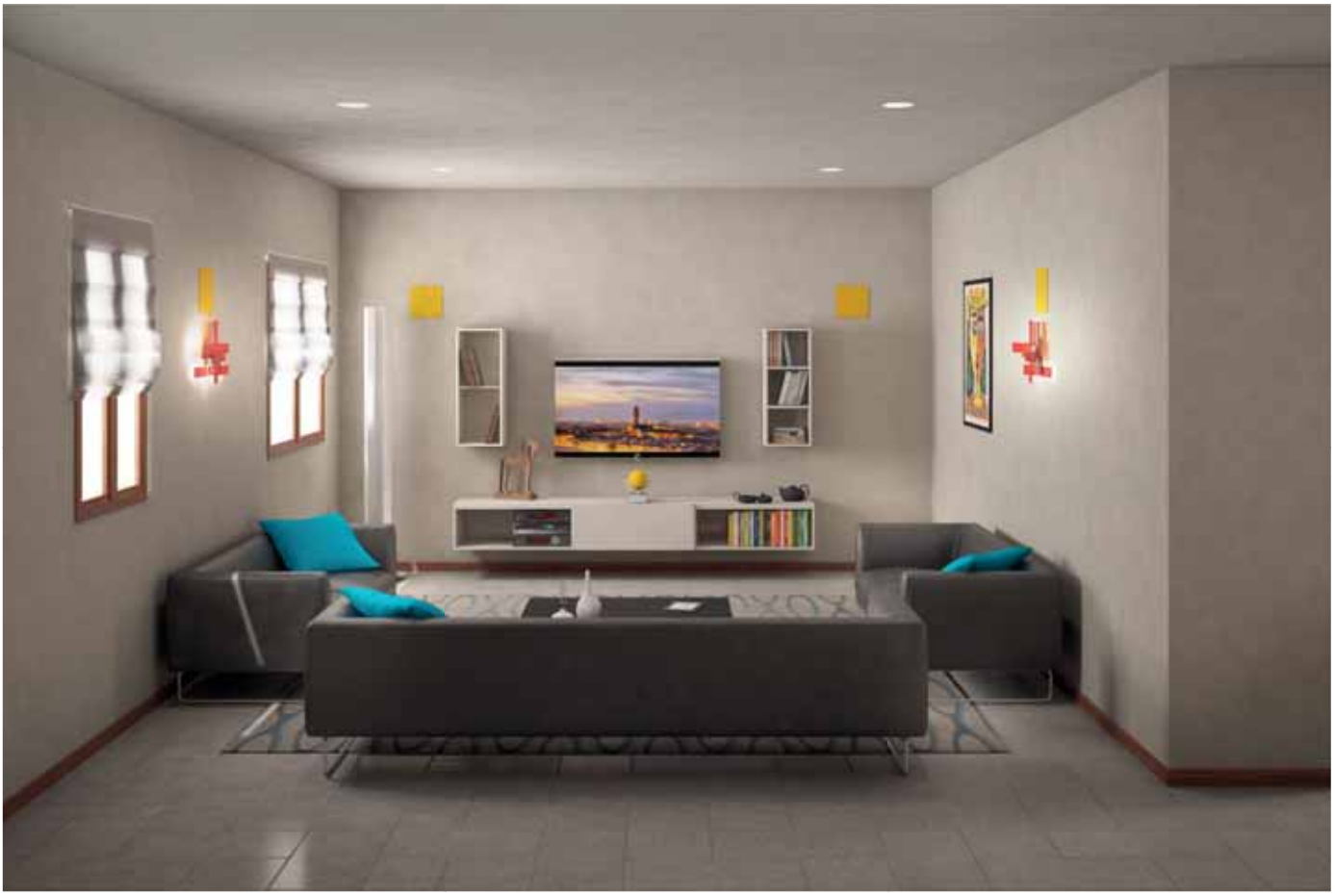
7.2 HOME THEATRE WITH DI VENEZIA SERIES SPEAKERS

System configuration



AUDIO/VIDEO MULTIROOM CENTRAL UNIT

The Tutondo Digital and Analogue central units manage the Multiroom musical and video entertainment systems in an intelligent and practical way, with the option of integration with other home automation systems.



Central unit for Mondo systems
TU MTA816

Digital central unit for controlling and managing the multiroom audio Mondo system

Central unit for controlling and managing the multiroom audio broadcasting system.
The MTA816 is equipped with 9 audio inputs, 8 centralized + 1 local audio input for each zone. It can manage 6 zones which can be extended up to 48 by adding up to 7 expansion units.
The main unit is equipped with a powerful microprocessor which enables the digital control of all the zone parameters both centrally by means of the front panel and through remoted control units.
Functions supported: zone and source on/off, source selection, volume control, bass and treble, balance, mute, loudness, sleep Tutondo, or systems for general applications equipped with function control of the audio sources fitted with STIF function selection devices.
The control unit has further features that makes it extremely flexible, e.g. room name customization; stereo or mono output configuration; programmable weekly alarms; paging management from paging station; up to 14 programmable priority levels relating to the inputs for managing music, microphones (general paging and alarm messages), pre-recorded messages (for providing information or alarms).

The central unit is equipped with Ethernet and RS232 interfaces and can be controlled by PC using suitable software or interfaced with any home automation system; it is ideal for scenarios and events that are started via software or simply by programmable triggers.

Features:
Programmable audio matrix digitally controlled by a 32 bit processor.
Firmware can be updated through Ethernet interface. Internal clock and date are updated even without power supply.
Monochromatic LCD graphic display with adjustable colour backlighting (RGB).
Suitable for installation on standard 19" rack units.
Overall dimensions: 2 rack units (using GRK supports).
Power supply: 230/110 V ac 50÷60Hz.
Dimensions: H 88 x W 430 x D 320 mm.
Weight: 6,3 Kg.
Colour: black .

Central unit for Mondo systems
TU MTA816S

Same features as Mondo MTA816 central unit, except: absence of display and keypad, power supply for 12 active speakers 510/530-10 W.

Central unit for Mondo systems
TU MTV816C

Digital central unit for controlling and managing the multiroom video and audio Mondo systems

The MTV816C is equipped with 8 Composite Video and audio inputs, + 1 local audio input. It can manage 6 zones which can be extended up to 48 by adding up to 7 expansion units.

Features:
- Programmable A/V matrix controlled digitally by a 32 bit processor. Firmware can be updated using the Ethernet interface. Internal clock and date are updated even without a power supply.
- Monochromatic LCD graphic display with adjustable colour backlighting (RGB).
- Menu-based controls with touch keys for: OK/Cancel, Up/Down and Slider keys for changing settings.

Suitable for installation on standard 19" rack units. Overall dimensions: 3 rack units (using GRK3 supports).

Power supply: 230/110 V ac 50÷60Hz.
Dimensions:
H 132.5 x W 430 x D 330 mm.
Weight: 6,3 Kg.
Colour: black.

Central unit for Virtuoso II systems
TU RD2502N

Multiroom analog central unit, 2 stereo audio sources broadcast with function control, priority active input

Central unit "Slim line" type, for audio broadcast of 2 stereo audio sources, expandable up to 260 zones, with stabilized power supply 24 V 6,5 A included.
The system can have automatic switch-on and function control for every audio source. Infrared repeater function is included if control units with IR receiver are installed.

Power supply: 230/110 V ac, 50/60 Hz
Dimensions: H44 x W430 x D325 mm
Weight: 4 Kg

EXPANSION FOR MONDO SYSTEMS

The 6-channel expansion units for the Mondo digital central units are used to expand the Multiroom Audio/ Visual systems from 6 to 48 rooms.

Central unit Mondo (Rooms from 1 to 6)

Expansion unit Mondo

Rooms from 7 to 12

Rooms from 13 to 18

Rooms from19 to 24

Rooms from 25 to 30

Rooms from 31 to 36

Rooms from 37 to 42

Rooms from 43 to 48

Expansion unit for Mondo systems

TU MTAE816

6 Zone expansion unit for MTA816 and MTV816C central unit

6 Zone expansion, each zone has 1 local audio input and 8 programmes derived from the MTA816 or MTV816C matrix.

Features:
the same features as the MTA816 matrix except it dos not have a display and relative general controls.

Power supply for 20 active speakers 510/530-10 W
Weight: 6,3 Kg.

Expansion unit for Mondo systems
TU MTAE816S

6 Zone expansion unit for MTA816S central unit

6 Zone expansion, each zone has 1 local audio input and 8 audio programmes derived from the MTV816 matrix.

Features:
the same features as the MTVE816 matrix except it dos not have a display and relative general controls.
Power supply for 12 active speakers 510/530-10 W

Weight: 8,1 Kg.

Expansion unit for Mondo systems
TU MTVE816C

6 Zone expansion unit for MTV816C central unit

6 Zone expansion, each zone has 1 local audio input and 8 video-audio programmes derived from the MTV816C matrix.

Features:
the same features as the MTV816C matrix except it dos not have a display and relative general controls.
Power supply for 20 active speakers 510/530-10 W
Power supply: 230/110 V ac
Weight: 8,1 Kg.

AUDIO SOURCES

The audio sources consist of CD players, MP3 readers, tuners, USB players and Bluetooth devices, table top or in-wall with Tutondo modules allow the user to select from a wide range of solutions for Multiroom Audio systems for musical entertainment.

Multichannel audio source for Mondo systems
TU S2R2UT

Multichannel audio source, 2 FM tuners, 2 USB, change function

Equipped with 2 RDS FM stereo tuners, 2 USB players, communication interfaces for Mondo and Building Automation systems.
Functions: ON/OFF, direct frequency or presets selection, audio files selection on USB devices.
Power supply: 230/110 V ac

Dimensions: H 88 x W 430 x D 350 mm

Multichannel audio source for Mondo systems

TU TRCD3T

Multiple audio source with FM tuner and CD player, sd card and USB player

Tuner section: FM tuner with ample backlit display, C type device for remote selection of 10 preset radio stations and plug cable for the connection to the audio unit, independent stereo output with RCA connectors.
Player section: CD player with anti-shock mechanics compatible with CD, CD-R, CD-R/W MP3, and USB and card media, ample backlit display, C type device for auto play, track change and plug cable for the connection to the audio unit, independent stereo output with RCA connectors.
Infrared remote controls.
Power supply: 230 V ac
Colour: black
Dimensions: H 44 x W 482 x D 250 mm (1 rack unit)
Weight: 4.1 Kg

Multichannel audio source for Virtuoso II systems

TU TRCD3C

Multiple sound source with FM tuner and CD player, sd card and USB player Concerto II

Same features as TU TRCD3T except only for Virtuoso II systems.

Tuner for Mondo systems

TU TSDT

FM, DAB tuner with function control device for Mondo MTV816C, MTA816, MTA816S central unit

Hi-Fi FM, DAB tuner with card for changing channels using the MONDO system remote controls.
FM/AM stereo tuner, PLL tuning, with RDS system, with function control card for 10 radio stations, which can be memorized and selected using TUTONDO remote controls; restore memory and recall of the latest station tuned into; multifunction display; RDS with name of selected station.
- Restore memory.
- 1 two-pin RCA audio output signal.
- 1 input for function control card for interfacing with the MONDO central unit.

Power supply: 230 V ac 50 Hz

Tuner for Virtuoso II systems
TU TSDC

FM DAB stereo tuner with change function

Same features as FM stereo tuner TSDT, except only for Virtuoso II system.
Consumer device, no Tutondo, with STIF function control device.

Tuner for Mondo and Virtuoso I & II systems
TU FMTR502

FM stereo tuner in wall module, with private local program

FM stereo/mono tuner module, RDS system and OLED graphic display. It lets you scan radio frequencies or presets (memories) and adjust volume.
Functions: switch on/off, frequencies or presets scanning, volume adjustment.
The module incorporates OLED graphic display, automatic adjustment of backlight illumination for energy saving, frequencies visualization with RDS system and dynamic icon of volume.
Settings can be changed by entering main menu with joystick.
Stereo/mono selection and requencies/presets mode can be modified with back jumpers.
Integrated stereo amplifier 1.5 + 1.5 W on 8 Ohm.
Standard 12Vpp output signal.

Frequency range: 87.5÷108.00 Mhz.
Power supply: 24 V dc
Dimensions: 35x35x50 mm

Available versions:

Code	
TU TR502B	White
TU TR502MC	Chrome metal
TU TR502N	Black (Anthracite)

Multicd player for Virtuoso II systems
TU DMCDSDC

5-disc, USB plug, MP3 multi CD player with function control device for Virtuoso system

Same features as multiple sound source DMCDSDT, except only for Virtuoso II system
Consumer device, no Tutondo, with STIF function control device.

Multicd player for Mondo systems

TU DMCDSDT

5-disc, USB plug, MP3 multi CD player with function control device for Mondo MTV816C, MTA816, MTA816S

Hi-Fi 5-disc CD, USB plug, and MP3 player with disc changing device, stop, play, back, forward, and song selector via remote control in the MONDO system.
Revolving 5-disc multiple CD, USB, and MP3 player. You can change the discs even while they are being played.
Previously-memorized and randomplayback options.
- Restore memory.
- 1 two-pin RCA audio output signal.
- 1 input for function control card for interfacing with the MONDO main unit.

Power supply: 230 V ac 50 Hz

Mp3 player module for Mondo and Virtuoso systems

TU MUSB

MP3 player in-wall module with USB port

MP3 player module with integrated USB port
6 Function keys : Play-Pause, Stop, Skip +, Skip - , Folder +, Folder-.
1 Led to indicate Play-Pause function.
Opportunity to connect USB pen drives and/or external hard disks (FAT16 and FAT32 formats).
Stereo audio input 12Vpp sensitivity for external audio sources (i.e.: from Tuner mod. TR502, Jack plugs PINJ3K or Tutondo main units.

Stereo output 12Vpp level, low impedance.
Supporting the most common compressed audio standards.
Power supply: 24V dc
World module dimensions: 35x35x50 mm
Available versions code:

TU MUSBB	White
TU MUSBMC	Chrome metal
TU MUSBN	Black (Anthracite)

Input kit for Mondo and Virtuoso system

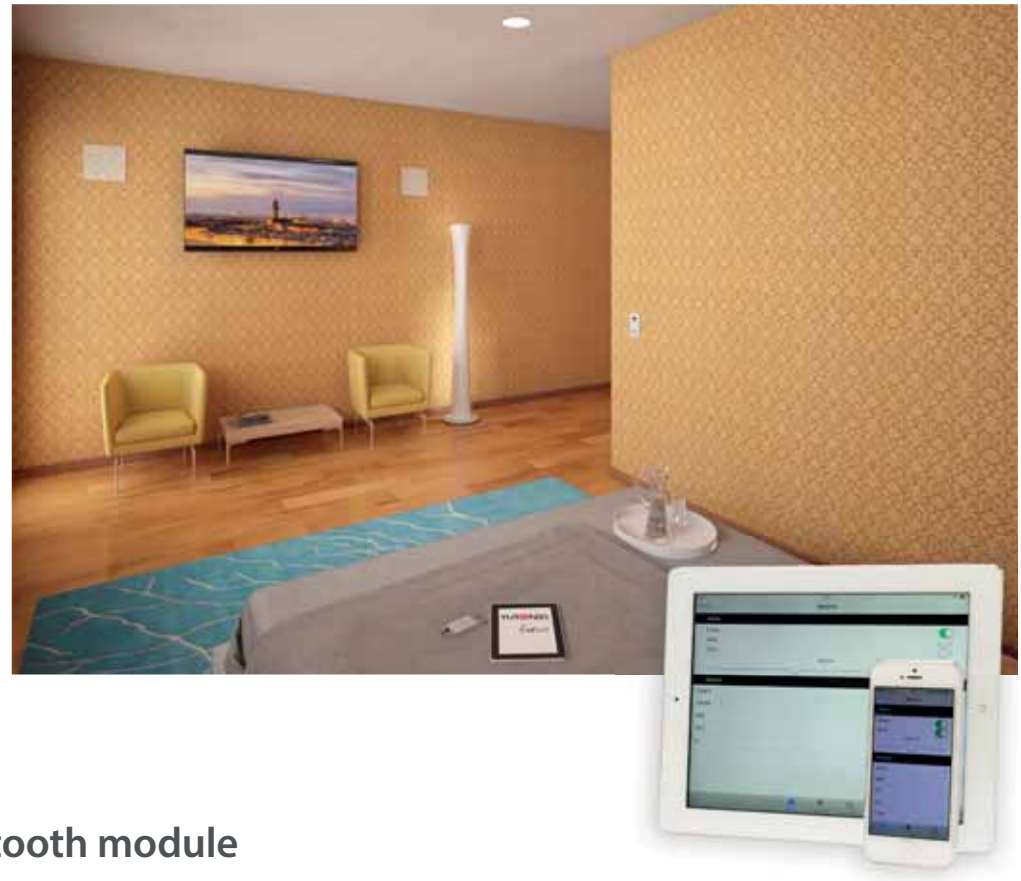
TU PINJ3K

Input Kit 3,5 mm jack 12Vpp output

Input Kit 3,5 mm jack 12Vpp output

Bluetooth module

This Tutondo Bluetooth interface, incorporated in the Multiroom System or privately in your room, enables the transfer of all your multimedia audio content, playlists, or favorite Internet radio channels directly from your Smartphone or Tablet.



Bluetooth module
TU MBT502

Bluetooth receiver module for stereo audio signals, integrated 3.5 mm jack input.
Customizable device name.
The device can be configured in “home” or “hotel” mode to enable pairing automatically or manually by pressing the button.
Aux type stereo input with 2 sensitivity levels for external audio signals.
Stereo output: 12 Vpp, low impedance.
Power supply: 24 V dc.

Bluetooth module
TU BTPJK

The same characteristics of MBT502 but for fixing in lighting switch supports.

VIDEO MATRIX / DIGITAL AUDIO RECORDER

The video matrixes are needed to distribute the various HDMI video signals received from DVDs, PCs or satellite receivers to the video devices in rooms that are part of a Multiroom Audio/Visual system.
The Tutondo digital recorders for digital or analogue Multiroom systems are used mainly to record and transmit voice messages, which can be transmitted to individual rooms, groups of rooms, or all rooms at once to provide service information or alarms in the smart home.

Video matrix for Mondo systems
TU DMH44

HDMI video matrix, 4 IN, 4 OUT for Mondo MTV816C, MTA816, MTA816S central unit

HDMI v1.3 (FullHD) high definition video matrix
4 HDMI inputs
4 HDMI outputs
1 RS232 serial port for remote control
Infrared remote controller

Brackets for 19" rack installation (1U) included
Power supply: 110/230 V ac.
Dimensions:
H 44 x W 437 (482) x D 235 mm.
Weight: 1,5 Kg.

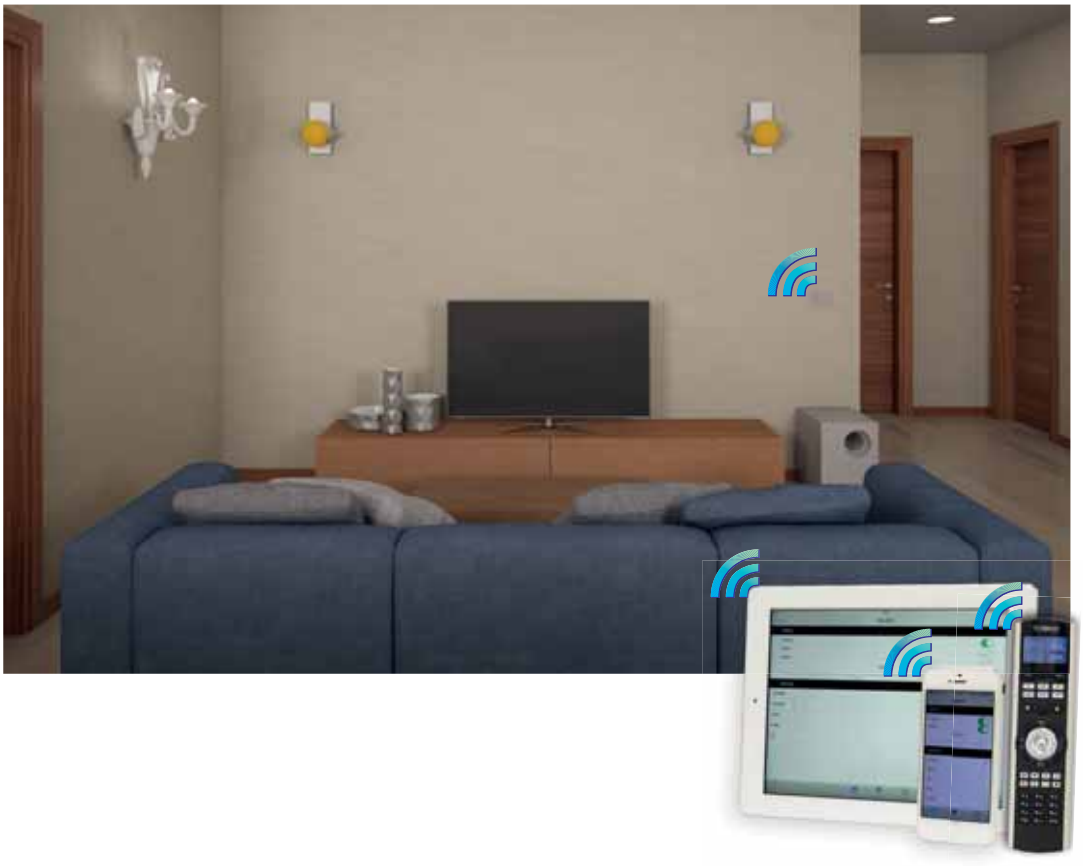
Audio recorder for Mondo and Virtuoso II systems
TU DAR91

Digital audio player and recorder

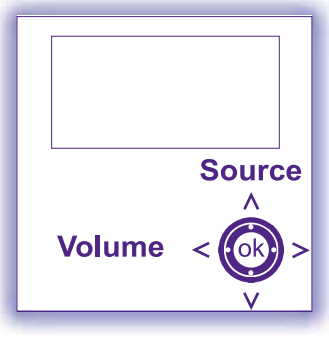
The DAR91, digital audio player and recorder on non-volatile memory, can be used to record and play warning messages, evacuation instructions, adverts etc.
The DAR91 can be used in two ways:
A) 9 messages with variable duration for a total time of 120 seconds;
B) 8 acoustic signals (warning signals, sirens, gong, etc.) and 1 recorded message for a total time of 120 s.
Power supply: 24 V dc,- 300 mA
Dimensions: H 44 x W 483 x D 117 mm (1U).

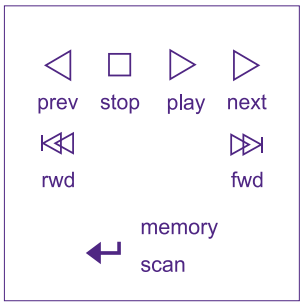
REMOTE AND IN-WALL AUDIO CONTROLLERS

The in-wall audio controllers have a universal Tutondo format, to enable insertion in the interchangeable cover plates in the home. With downloadable Apps, it is possible to control the Mondo Multiroom system from a smartphone and tablet.
The infrared and radio-frequency remote controls give the user a total access to the functions of the Multiroom audio-video systems from each room.



In-wall control for Mondo systems
TU CZ830





In-wall control for Mondo systems
TU CZ830

Digital in-wall control unit with graphic OLED display, IR receiver for Mondo MTV816C, MTA816, MTA816S

Digital in-wall control unit complete with OLED graphic display for selecting A/V sources and adjusting audio settings in the room.
Main functions:
- Zone on/off.
- Source selection.
- Function change for sound sources.
- Volume, bass, treble and balance control.
- Timer for sleep function (switching off automatically after a preset time interval).
- Priority for alarm messages.
- The control unit has a graphic backlit OLED display with automatically variable brightness and low consumption mode; it displays the state of a zone and of the sources.
- Viewing RDS radio information and MP3 player files of S2R2UT source.

The zone settings and source settings are adjusted by means of menus accessed using a joystick.
Built-in Tutondo IR receiver for the total control of all the zone parameters and A/V source functions (equipped with STIF devices) through IR remote control.
Several control units can be installed in the same zone.
Power supply: 24 V dc
World module dimensions: 35x35x50 mm.
NOTE: the module with the specific "world module adapter" is compatible with electric switch brackets and plates suitable for installing in both rectangular in-wall 503 and round or square boxes.
Variant available

Code	
TU CZ830B	White
TU CZ830MC	Chrome metal
TU CZ830N	Black (Anthracite)

In-wall control for Mondo systems
TU CZ83

Digital in-wall control unit for Mondo MTV816C, MTA816, MTA816S central unit

Digital control unit for audio-video source selection and control of ambient audio parameters.

Main functions:
- Zone on/off.
- Source selection.
- Volume, bass, treble and balance control.
- Timer for sleep function (for switching off automatically after a preset time interval).
- Alarm message priority
- Scan button for sequential change of selected source functions.
- Numerical display showing selected source.
- Automatic power-up device for alarm paging.
- Built-in IR receiver, with 100° reception angle, for the total control of all the zone parameters and A/V source functions (equipped with STIF devices) through IR remote control.
- Several control units can be installed in the same zone;
- The module with special adapters is compatible with the most common in-wall or external supports.

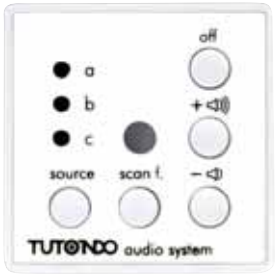
Power supply: 24V dc
World module dimensions: 35x35x50 mm

Available versions

Code	
TU CZ83B	White
TU CZ83MC	Chrome metal
TU CZ83N	Black

In-wall control for Virtuoso I & II systems

TU CZ3532



Stereo audio in-wall control unit for 2 audio sources, source selection, volume, on/off

Control unit enables the user to choose between 3 stereo sources, adjust the volume, switch on and off, change the radio station or the discs in the multiCD player. The built-in IR receiver allows to control all the function of the sound sources, adjust the volume and turn on/off the zone.
It can handle up to 6 active speakers type 508/530-10
Features:
- volume control, on/off;
- LEDs showing the selected source;
- automatic priority paging that overrides both the volume control and the on/off switch;
- sequential function control, for changing radio station (or changing discs, CD, tapes);
- Pass-through IR receiver for control of the sound sources through the remote control.
- 3 stereo input for audio signals, 12Vpp max;
- 1 stereo output for active speakers type 508, 530-10.
- Automatic alarm priority for emergency messages, bypassing volume and on/off switch.
- "SCAN" button to change sound source functions as radio stations, CD etc. (for sound sources with SUF or STIF devices installed).
- Mono and stereo mode.

Power supply: 24 V dc
Dimensions: 35x35x50 mm
The module with the special "world module adapter" is compatible with electric switch brackets and faceplates suitable for installation both in rectangular 503 boxes and in round or square boxes.

Available versions:

Code	
TU CZ3532B	White
TU CZ3532MC	Chrome metal
TU CZ3532N	Black (Anthracite)

In-wall control for Virtuoso I & II systems

TU CZ2512

Stereo audio in-wall control unit for 2 audio sources, source selection, volume, on/off

The CZ2512 control unit enables the user to choose between 2 stereo sources, adjust the volume, switch on and off.
It can handle up to 6 active speakers type 508.

Features:
- volume control, on/off;
- LEDs showing the selected source;
- automatic priority paging that overrides both the volume control and the on/off switch;
- 2 stereo input for audio signals, 12Vpp max.
- 1 stereo output for active speakers type 503, 508, 530.

Power supply: 24V dc
Dimensions: 35x35x50 mm
The module with the special "world module adapter" is compatible with electric switch brackets and faceplates suitable for installation both in rectangular 503 boxes and in round or square boxes.

Available versions

Code	
TU CZ2512B	White
TU CZ2512MC	Chrome metal
TU CZ2512N	Black (Anthracite)

In-wall control for Virtuoso I systems
TU CZ1512

Audio in-wall control unit for 1 audio source, function control, volume, on/off

The CZ1512 control unit enables the user to adjust the volume, switch on and off, and change the radio station or the discs in the CD player.
It can hanle up to 6 active speakers type 508.

Features:
- volume control, on/off;
- on/off LED;
- automatic priority paging that overrides both the volume control and the on/off switch;
- sequential function control;
- 1 stereo input for audio signals 12 V pp sensitivity;
- 1 stereo output for active speakers type 503, 508, 530.

Power supply: 24 V dc
Dimensions: 35x35x50 mm
The module with the special “world module adapter” is compatible with electric switch brackets and faceplates suitable for installation both in rectangular 503 boxes and in round or square boxes.

Available versions

Code	
TU CZ1512B	White
TU CZ1512MC	Chrome metal
TU CZ1512N	Black (Anthracite)

In-wall control for Virtuoso I & II systems
TU CZ2532

Stereo audio control unit for 2 sound sources, function control, source selection, volume, on/off, IR receiver

The CZ2532 control unit enables the user to choose between 2 stereo sources, adjust the volume, switch on and off, change the radio station or the discs in the multiCD player. The built-in IR receiver allows to control all the function of the sound sources, adjust the volume and turn on/off the zone.
It can handle up to 6 active speakers type 508.
Features:
- volume control, on/off;
- LEDs showing the selected source;
- automatic priority paging that overrides both the volume control and the on/off switch;
- sequential function control, for changing radio station (or changing discs, CD, tapes);
- Pass-through IR receiver for control of the sound sources through the remote control.
- 2 stereo input for audio signals, 12Vpp max;
- 1 stereo output for active speakers type 503, 508, 530.
- Automatic alarm priority for emergency messages, bypassing volume and on/off switch.
- “SCAN” button to change sound source functions as radio stations, CD etc. (for sound sources with SUF or STIF devices installed).
- Mono and stereo mode.

Power supply: 24 V dc
Dimensions: 35x35x50 mm

The module with the special “world module adapter” is compatible with electric switch brackets and faceplates suitable for installation both in rectangular 503 boxes and in round or square boxes.

Available versions:

Code	
TU CZ2532B	White
TU CZ2532MC	Chrome metal
TU CZ2532N	Black (Anthracite)

Infrared remote control for Mondo systems

TU RC83

Infrared remote control for Mondo MTV816C, MTA816, MTA816S central unit

Infrared remote control for multiroom MONDO T systems; for control units including IR receivers, enabling zone (room) on-off commands, video-audio source selection, and volume, balance and tone control.
The remote control is able to control the basic functions of video-audio sources complete with STIF interfacing devices.

Each zone (room) can be managed by one or more remote controls.

Power supply: 2 AAA batteries
Dimensions: H24 x L58 x D206 mm
Weight: 113 gr (135 gr with batteries installed)

Infrared remote control for Mondo and Virtuoso systems

TU RC8300

Infrared remote control with backlight with learning function

TUTONDO IR remote control. 24 hard keys, 12 soft keys, Macro function for a fast and easy recall.
It can control up to 16 devices including: Tutondo CZ audio/video keypads, TV, HDD, DVD, CD, SAT, etc.
Up to 32 macros can be created and programmed, with up to 60 commands each.

Power supply:
6 V dc, 4 batteries AAA type
Dimensions: H 210 x W 56 x D 24 mm
Weight (with batteries): 130 gr.

Wireless radio frequency remote control for Mondo systems

TU RC83R

Wireless remote control for Mondo MTV816C, MTA816, MTA816S

Wireless remote control for multiroom MONDO audio systems R1NTR; enabling room on-off commands, video-audio source selection, and volume, balance and tone control.
The remote control is able to control the basic functions of video-audio sources complete with STIF interfacing devices.

Each room can be managed by one or more remote controls.

Power supply: 2 AAA batteries
Dimensions: H24 x L58 x D206 mm
Weight: 113 gr (135 gr with batteries installed)

Wireless radio frequency receiver for Mondo systems

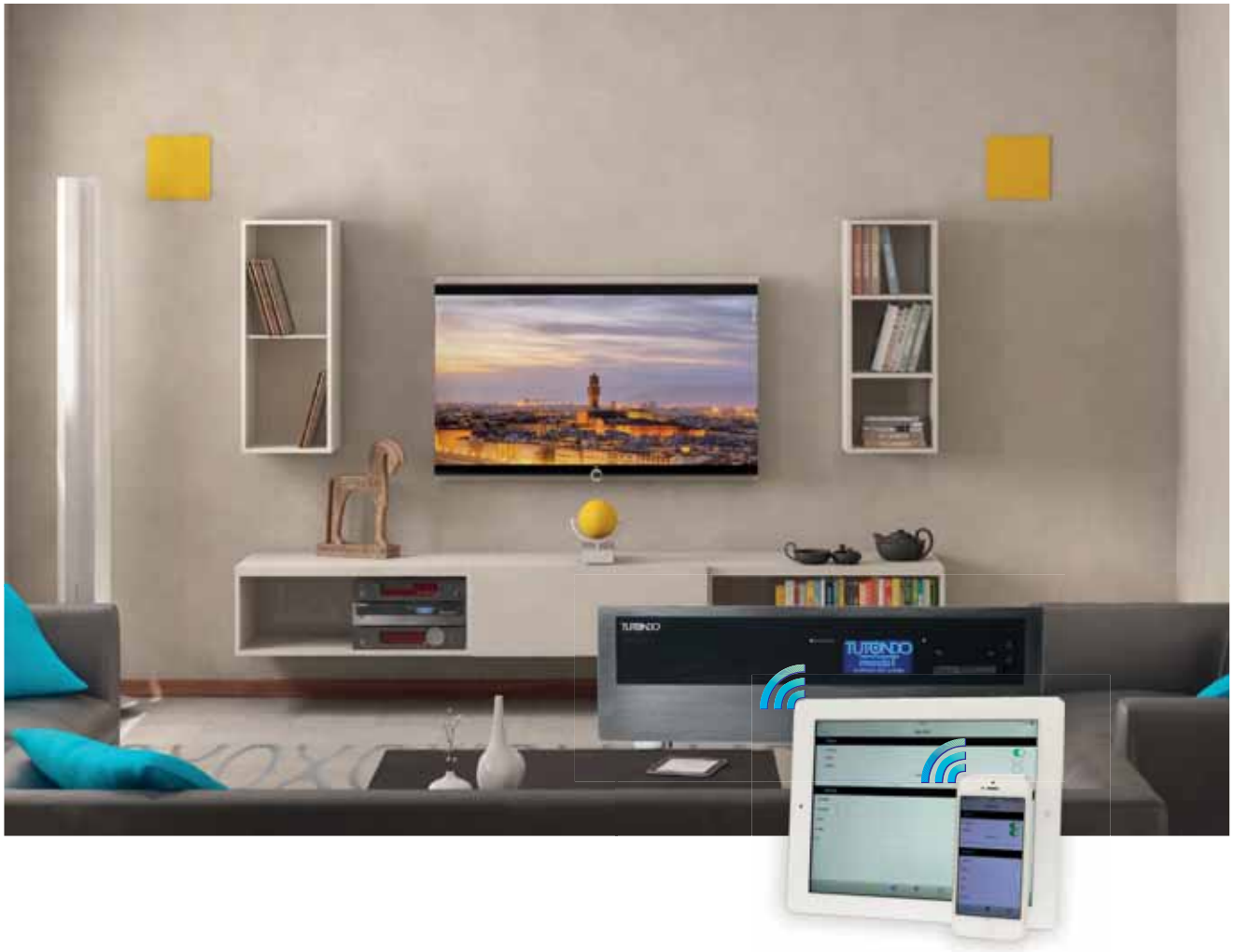
TU R1NTR

ecei er or wirele remote control

The receiver has a reception range of 15 meters.
Device for controlling multiroom, multi-source Hi-Fi stereo sound distribution, complete with microprocessor-controlled circuit, connection to the digital bus.

Power supply: 24 V dc

TABLET AND SMARTPHONE CONTROL



With the APP Live MT, you can control the whole multiroom Mondo Tutondo Audio-Video system directly from your Smartphone or Tablet
As soon as you get in your home, your smartphone hooks up to the Wi-Fi network for immediate control of your Mondo multi-room system, and selection of any available scenarios and automatically create the ambience you desire.
The Tutondo App Live MT can be downloaded free of charge and it connects to your Wi-Fi network for immediate use.

In each zone, you can control: volume level, switch on/off, playing source, muting, scenarios.
System requirements: Wi-Fi network infrastructure. Suitable for iOS Apple® and Android® systems.

Download on the App Store

ANDROID APP ON Google play

*Apple, iOS, is a trademark of Apple Inc., registered in the U.S. and other countries.

MICROPHONE MODULES

The in-wall universal Tutondo modules allow messages to be transmitted through microphone modules while music can be listened to privately using the headphone modules.

Microphone module for Mondo system
TU MC1NTC

In-wall microphone module for paging for Mondo MTV816C, MTA816, MTA816S central unit

In-wall microphone module for broadcast of voice messages specifically to a given room or general announcements to all zones.
Digitally controlled microphone module, selector with two-digit display with selection of up to 48 zones.
"UP" and "DOWN" keys for choosing the zone to page. "CALL" keys for activation of the microphone.
Pre-adjustment of the microphone's sensitivity accessible from the front panel.

Power supply: 24 V dc

World module dimensions: 35x35x50 mm

NOTE: the module with the specific "world module adapter" is compatible with electric switch brackets and plates suitable for installing in both rectangular in-wall 503 and round or square boxes.
Available versions

Code	
TU MC1NTCB	White
TU MC1NTCN	Black (Anthracite)
TU MC1NTCMC	Chrome metal

Active microphone module for Mondo and Virtuoso system

TU MC1501

Recessed active in-wall microphone module

Active microphone module for paging and general announcements overriding the background music.
Features:
• Electret type microphone
• PEAK saturation indicator
• independent volume control with trimmer
• on/off button
• luminous indicators for On and Line engaged
• suitable for connecting in cascade (in-out) when mixing with other active microphone modules or active microphone stands
• maximum output signal 12Vpp
• low impedance output circuit

Power supply: 24V dc.
World module dimensions: 35x35x50 mm
NOTE: the module with the specific “world module adapter” is compatible with electric switch brackets and plates suitable for installing in both rectangular in-wall 503 and round or square boxes.

Available versions

Code	
TU MC1501B	White
TU MC1501N	Black (Anthracite)
TU MC1501MC	Chrome metal

Active stereo headphone for Mondo and Virtuoso system

TU PC1502

Active in-wall stereo headphone socket

Stereo headphone socket module with switch for enabling/disabling the active acoustic speakers.

Features:
- 3.5 mm jack type headphone socket
- 4 input terminals L, R, + and -
- 4 output terminals for channels L, R, + and -;
- internal amplifier 2+2Wrms.
- active standard input signal 12Vpp.

Power supply: 24V dc
World module dimensions: 35x35x50 mm

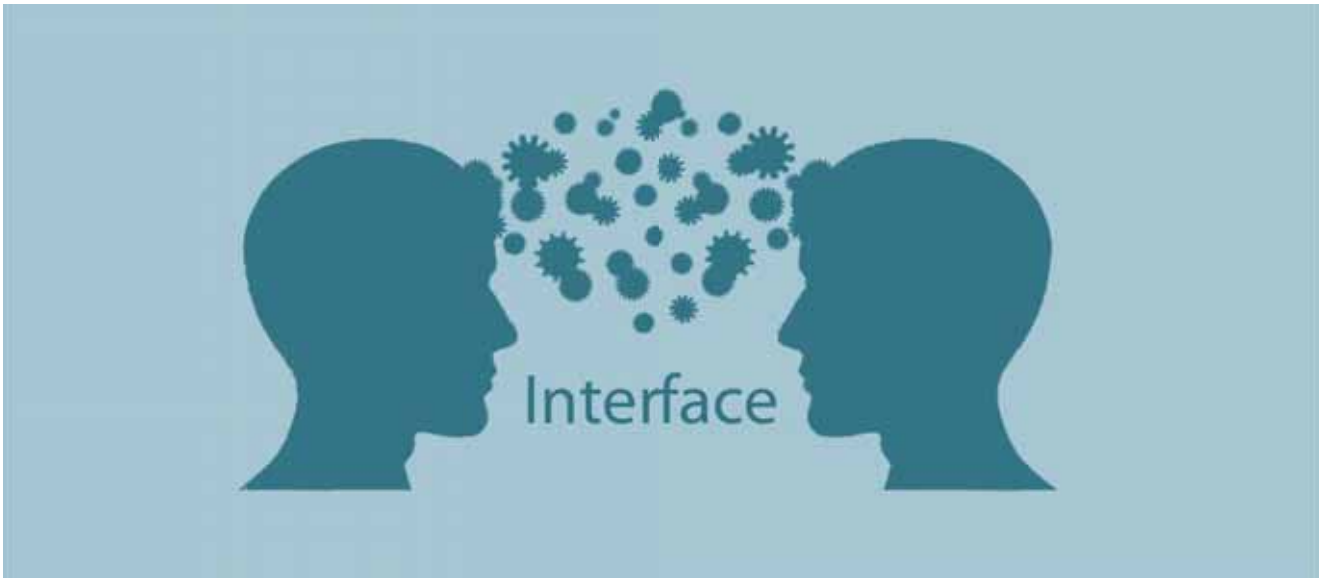
NOTE: the module with the specific “World module adapter” is compatible with electric switch brackets and plates suitable for installing in both rectangular in-wall 503 and round or square boxes.

Available versions

Code	
TU PC1502B	White
TU PC1502MC	Chrome metal
TU PC1502N	Black (Anthracite)

INTERFACES

The interfaces are installed in order to control and integrate the sound sources to the Multiroom systems



KNX Compatible interface
TU GKT501

Interface to connect Tutondo control units to the Home Automation Bus or KNX Building Automation .
The device converts bus telegrams and sends them via the RS232 or Ethernet port to the Tutondo unit to be menaged.
All the unit's parameters can be controlled via the Gateway.
Thanks to its flexibility several commands can be associated to one single telegram to be sent to the control unit; in this way several scenarios can be easily created.
Communication with the control unit is two-way therefore the devices connected to the bus receive the values of the control unit parameters (e.g.: volume, programme, base and treble, etc).
The Gateway can be easily programmed using special multi-language software.

KNX compatible interface

KNX bus compatible interface for Tutondo audio and video multiroom systems.
The following parameters of every zone of audio-video multiroom systems can be controlled via KNX controls:
- ON/OFF, mute, sleep;
- Volume control, bass and treble, balance control;
- Source selection;
-"Function control" for selected source (up to 120 commands), such as: play, stop, pause, fast forward, fast rewind, track up/down, disc/folder change, channel up/down, menu, info, return, etc.;
The interface also makes it easy to create 'scenarios'; for example: switch ON/OFF one or more zones at the same time or adjust volume or levels of a group of zones all at once.
System refresh and synchronization take just a few seconds for commands executed on the matrix; real time synchronization for KNX received commands.
The parameters that can be controlled with KNX interface depend on the features of the central unit installed.
Controllable central units:
MTV816, MTA816, MTA816S, MR9005, MR6005, RD561.
Dimensions: W70 x H46 (60 – 86) x D58 mm
Weight: 121 gr

Infrared function interfaces for Mondo and Virtuoso II systems

TU STIF

External infrared function interfaces for Audio/Video sources

The device, installed outside the sound source, transmits the acquired infra-red commands through a microemitter.
It is compatible with TUTONDO's audio controls provided with scan key; receives and stores 100 commands by infrared remote controls; it plays 20 macros 100 step each; powered directly from TUTONDO's main unit;
LCD display and control buttons for the acquisition and testing of the signals stored.
With this versatile device it is possible to acquire and reproduce commands to devices that incorporate an infra-red receiver.
Programmable macros can send sequences of commands.
The display interface makes the STIF easy to program and friendly to use.

Only one cable is necessary for the connection to the TUTONDO audio main unit.
Acquires infrared with frequencies from 35KHz to 455KHz.

Dimensions (H x W x D):
58 mm x 198 mm x 28 mm
4 Keys
2 power transmission
Consumption: ~ 40mA @ 12V
Available versions:

Code	
TU STIFM	For sound sources with infrared remote controls
TU STIFK	Device not installed

POWER AMPLIFIERS AND POWER SUPPLIES

The Tutondo power amplifiers are applied to passive speakers to obtain great sound pressure.
The stabilized Tutondo power supply units allow to increase the number of active speakers in the multiroom system

◦ Stereo power amplifier TU PS801

550+550W stereo power amplifier

Stereo power amplifier with muting circuit to eliminate impulsive initial noise, device for protection against short circuits and overloads, and fan system for forced-air cooling.
Balanced XLR inputs and outputs.
Power outputs for speakers with
Speakon© connectors and terminals. LED status indicators for: power on, saturation peak, protection enabled.
Operation selection switch: Stereo,
Parallel and Bridge.
Input sensitivity: 1V
Output power with Stereo and
Parallel connection: 550+550 W on 2 ohm; 400+400 W on 4 ohm; 230+230 W on 8 ohm.
Output power with bridge connection: 1100 W on 4 ohm; 800 W on 8 ohm.
Frequency response: 20 ÷ 20,000 Hz.
Black metal case to fit a standard 19" rack.
Installed in a case to fit a standard 19" rack; it occupies 2 rack units.

Power supply: 230 V ac
Dimensions: H88 x W482 x D420 mm
Weight: 14 Kg

Stabilized power supply 24 V 3x6,5 A
TU ALD536

Switching power supply 24 V 6,5+6,5+6,5 A

Stabilized “Slim Line” 3-channel power supply, low noise, short-circuit protection, 24V dc output.
The power supply can handle up to 20+20+20 active speakers type 508 or 50+50+50 speakers type 503 or 7+7+7 speakers type 530.

Main features:
- 3 Stabilized built-in power supplies, low noise, 24 V dc, 6,5+6,5+6,5 A output current.
- Automatic electronic overload and short-circuit protection.
- Input for remote activation.
- LED status indicators (mains power on, 24 V dc output enabled).

Using the optional accessories, it is suitable for installation on standard 19” rack mounts. The overall size is 1 rack unit.

Power supply: 230/110 V ac, 50/60 Hz
Dimensions: H44 x W430 x D325 mm
Weight: 6,6 Kg
Colour: black

Stabilized power supply 24 V 2x6,5 A
TU ALD526

Switching power supply 24V 6,5+6,5A

Stabilized “Slim Line” dual channel power supply, low noise, short-circuit protection, 24 V dc output.
The power supply can handle up to 20+20 active speakers type 508 or 50+50 speakers type 503 or 7+7 speakers type 530.

Main features:
- 2 Stabilized built-in power supplies, low noise, 24 V dc, 6,5+6,5 A output current.
- Automatic electronic overload and short-circuit protection.
- Input for remote activation.
- LED status indicators (mains power on, 24 V dc output enabled).

Using the optional accessories, it is suitable for installation on standard 19” rack mounts. The overall size is 1 rack unit.

Power supply: 230/110 V ac, 50/60 Hz
Dimensions: H44 x W430 x D325 mm
Weight: 5,4 Kg
Colour: black

ALD516 stabilized power supply 24 V 6,5 A
TU ALD516

Switching power supply 24 V 6,5 A

Stabilized “Slim Line” dual channel power supply, low noise, short-circuit protection, 24 V dc output.
The power supply can handle up to 20+20 active speakers type 508 or 50+50 speakers type 503 or 7+7 speakers type 530.
Main features:
- 2 Stabilized built-in power supplies, low noise, 24 V dc, 6,5 A output current.
- Automatic electronic overload and short-circuit protection.
- Input for remote activation.
- LED status (mains power on, 24 V dc output enabled).

Using the optional accessories, it is suitable for installation on standard 19” rack mounts. The overall size is 1 rack unit.
Power supply: 230/110 V ac, 50/60 Hz
Dimensions: H44 x W430 x D325 mm
Weight: 5,4 Kg.
Colour: black

◦ DIN rail power supply 24 V 1,5 A
TU ALBD502

DIN Rail power supply, 24 V dc, 1,5 A

Switching power supply, low noise, for DIN Rail type Omega EN 50022.
Features:
Stabilized output voltage 24 V dc. Output current 1,5 A.
Electronic protection.
Dimensions: W 76x D 65 (50) x H 46 (90) mm
Power supply: 230/110 V ac. Weight: 0,3 Kg

◦ Stabilized power supply 24 V 1 A
TU L24DE

24 V dc 1 A switching power supply

Stabilized low noiseswitching power supply.
Features:
- stabilized, low noise output voltage 24 V dc, 1 A;
- automatic electronic overload protection;
Power supply: 230 V ac

IN-WALL SPEAKERS

A series of in-wall and flush-mounted speakers with a highly refined finish, are the testimony to our strength and experience in combining the needs of listening to music with the desired quality and output, with elegantly designed and non-invasive speakers, installed and integrated in the rooms of the home in the Venetian style.

Front view loudspeakers series “Di Venezia”

Side view loudspeakers series “Di Venezia”

◦ SONATA DI VENEZIA

IN-WALL FLUSH-MOUNTED

OH SVH2G

Flush mount speaker, satellite, 8 Ohm, 80-160W.
Two-way system with two speakers for undistorted sound reproduction over an extended frequency range (80W) and satellite for home theatre system (160W).
Suitable to be installed flush mounted, wall or ceiling mounted. 160 mm Midwoofer, 28 mm dome tweeter with neodymium magnet.
Bass reflex with tuned waveguide duct for a more extended and accurate reproduction of low frequencies. Acoustic crossover frequency: 2,7 kHz.
Reinforced and treated metal enclosure with 2 holes for input and output cables. Optional accessories: stretch fabric flush mount or metal mesh finishing, flush mount or external frames made of various materials.

Weight: 5,5 Kg
Dimensions: flush mount face 230 x 230 mm
Enclosure: D86.5 (75) x W373 x H373 mm

OH SVH530G

Same feature of SVH2G except for: active speaker, with built-in 30 W RMS amplifier, 24 V dc power supply.

Weight: 5.7 Kg

Type	OH SVH2G	OH SVH530G
System	8 Ohm	ACTIVE
Power Wrms	80 - 160	30-20-10
Impedance	8	27K
Frequency r. Hz	60 ÷ 20.000	60 ÷ 20.000
SPL 1w/1m	88 dB	
SPL MAX	107 dB	103 dB
Coverage angle (degrees)	160x160	160x160

Accessories for Sonata Di Venezia

It's possible to choose 3 kind of accessories:

1_Fabric or metal grid to apply directly to the speaker.
2_Metal grid with metal flat frame.
3_Metal grid with external metal frame.

- Grid fabrics

- Jersey fabric type

OH SV36TOR Orange
OH SV36TBL Blue
OH SV36TBN Black
OH SV36TGR Grey
OH SV36TWB White

- Rubelli fabric silk

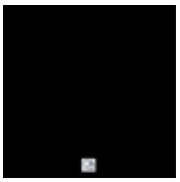
Ivory Lenora series

Bronze Lenora series

Ruby Lenora series

Water Lenora series

- Grid metal



- Grid metal colours

OH SV36RBN Black
OH SV36RMC Silver
OH SV36RWB White

- Rubelli Trevira CS fabric

Stone Mari del Sud series

Honey Mari del Sud series

Anthracite Mari del Sud series

- Raw frame

- Raw frame colour

OH SV36TG Raw frame only

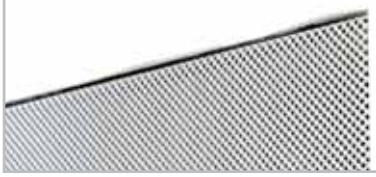
- Other fabrics Rubelli see p. 96

- Flush mounted frames

- Flush mounted frame colours

OH SV34FBN Black
OH SV34FMC Silver
OH SV34FWB White

- Detail of flush mounted frames



- Wall frame

- Wall frame colours

OH SV34EBN Black
OH SV34EMC Silver
OH SV34EWB White

- Detail of the wall frame

- Grid metal for frame

- Grid metal colours

OH SV36RSBN Black
OH SV36RSMC Silver
OH SV36RSWB White

OH AVH2G

Flush mount speaker, satellite, 8 Ohm, 80-120W.
Two-way system with two speakers for undistorted sound reproduction over an extended frequency range (80W) and satellite for home theatre system (120W).
Suitable to be installed flush mounted, wall or ceiling mounted. 130 mm Midwoofer, 25 mm dome tweeter with neodymium magnet.
Bass reflex with tuned waveguide duct for a more extended and accurate reproduction of low frequencies. Acoustic crossover frequency: 2,7 kHz.
Reinforced and treated metal enclosure with 2 holes for input and output cables. Optional accessories: stretch fabric flush mount or metal mesh finishing, flush mount or external frames made of various materials.

Weight: 3,9 Kg
Dimensions: flush mount face 177 x 177 mm
Enclosure: D86.5 (74.5) x W277 x H277 mm

OH AVH530G

Same feature of AVH2G except for: active speaker, with built-in 30 W RMS amplifier, 24 V dc power supply.

Weight: 4 Kg

Type	OH AVH2G	OH AVH530G
System	8 Ohm	ACTIVE
Power Wrms	80 - 120	30-20-10
Impedance	8	27K
Frequency r. Hz	80 ÷ 20.000	80 ÷ 20.000
SPL 1w/1m	88 dB	
SPL MAX	107 dB	102,7 dB
Coverage angle (degrees)	160x160	160x160

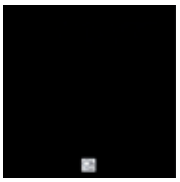
Accessories for Aria Di Venezia

It's possible to choose 3 kind of accessories:

1_Fabric or metal grid to apply directly to the speaker.
2_Metal grid with metal flat frame.
3_Metal grid with external metal frame.

- Grid fabrics

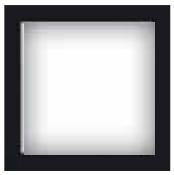
- Grid metal



- Raw frame

- Jersey fabric type
  - OH AV36TOR Orange
  - OH AV36TBL Blue
  - OH AV36TBN Black
  - OH AV36TGR Grey
  - OH AV36TWB White
- Grid metal colours
  - OH AV36RBN Black
  - OH AV36RMC Silver
  - OH AV36RWB White
- Raw frame colour
  - OH AV36TG Raw frame only
- Rubelli fabric silk
  - Ivory Lenora series
  - Bronze Lenora series
  - Ruby Lenora series
  - Water Lenora series
- Rubelli Trevira CS fabric
  - Stone Mari del Sud series
  - Honey Mari del Sud series
  - Anthracite Mari del Sud series
- Other fabrics Rubelli see p. 96

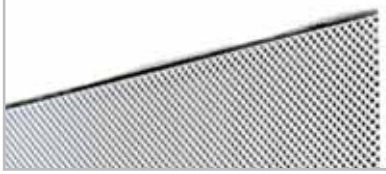
- Flush mounted frames



- Wall frame

- Grid metal for frame

- Flush mounted frame colours
  - OH AV34FBN Black
  - OH AV34FMC Silver
  - OH AV34FWB White
- Wall frame colours
  - OH AV34EBN Black
  - OH AV34EMC Silver
  - OH AV34EWB White
- Grid metal colours
  - OH AV36RSBN Black
  - OH AV36RSMC Silver
  - OH AV36RSWB White
- Detail of flush mounted frames



- Detail of the wall frame

TU F2G30

Rectangular recessed acoustic speaker in plastic material, fireproof ABS V0 type.
Two-way broadband speaker, 30 W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 5 KHz.
For installation in a CF2 in-wall box.

Weight: 0,95 Kg
Size: H286 x W194 x D72 (16+56)mm
Base colour silver MC, black N, white B

TU F2PRO

Same mechanical features as F2G30 model except for: two-way broadband speaker, 50 W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 7 KHz.

Weight: 1,3 Kg

TU F530G

Same mechanical features as F2G30 model except for: two-way broadband speaker, 30 W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 5 KHz.
Built-in 30-20-10 W 24 V dc Hi-Fi amplifier.

Weight: 0,97 Kg

Type	TU F2G30	TU F2PRO	TU F530G
System	8 Ohm Hi-Fi	8 Ohm Hi-Fi	ACTIVE
Power Wrms	30	50	30 - 20 - 10
Impedance	8	8	L-27000
Frequency r. Hz	70 ÷ 20000	80 ÷ 20000	70 ÷ 20000
SPL 1w/1m	85dB	87dB	
SPL MAX	99dB	105dB	99dB
Coverage angle (degrees)	140x140	110x110	140x140

◦ FOLIO FREE

TU FF2G30

Rectangular recessed acoustic speaker in plastic material, fireproof ABS V0 type.
Two-way broadband speaker, 30 W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 5 KHz.
For installing in false ceilings or plasterboard walls without a box.

Weight: 0,95 Kg. Size: H286 x W194 x D72 (16+56) mm.
Cut-hole: 125x259 mm
Base colour silver MC, black N, white B

TU FF530G

Same mechanical features as FF2G30 model except for:
Built-in 30-20-10 W 24 V dc Hi-Fi amplifier.

Weight: 0,97 Kg

Type	TU FF2G30	TU FF530G
System	8 Ohm Hi-Fi	ACTIVE
Power Wrms	30	30 - 20 - 10
Impedance	8	L-27000
Frequency r. Hz	70 ÷ 20000	70 ÷ 20000
SPL 1w/1m	89dB	
SPL MAX	103dB	102dB
Coverage angle (degrees)	90x90	90x90

TU E2GB

Rectangular in-wall acoustic speaker in plastic material, fireproof ABS V0 type, for flush mounting in CF4 type box.
Two-way broadband speaker, 100W, with 8'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 3,5 KHz.
System: 8 Ohm. Power Wrms: 100.
Impedance ohm: 8 Ohm.
Frequency range Hz: 5-20kHz.
SPL 1W/1m: 86dB.
SPL MAX: 106dB.
Dispersion: 100°X90°.
Weight: 2,65 Kg.
Dimensions: H371xW270 mm.
Colour: white.

TU E530GB

Same feature as E2GB except for:
built-in 30-20-10W
24 V dc Hi-Fi amplifier.
Power W rms: 3 0.

Weight: 2.8 Kg.

Type	TU E2GB	TU E530GB
System	8 Ohm	ACTIVE
Power Wrms	100	30 - 20 - 10
Impedance	8	L-27000
Frequency r. Hz	50 ÷ 20000	50 ÷ 20000
SPL 1w/1m	86dB	
SPL MAX	106dB	100dB
Coverage angle (degrees)	100x90	100x90

EDOTTO FREE

TU EF2GB

Rectangular recessed acoustic speaker in plastic material, fireproof ABS V0 type, for flush mounting.
Two-way broadband speaker, 100 W, with 8'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 3,5 KHz.

Weight: 2 Kg
Size: H371 x W270 x D83 mm.
Cut-hole: 229 x 329 mm.
Colour: white

TU EF530GB

Same feature as EF2GB except for:
active speaker with built-in 30-20-10 W , 24 V dc Hi-Fi amplifier.

Weight: 2,2 Kg

Type	TU EF2GB	TU EF530GB
System	8 Ohm Hi-Fi	ACTIVE
Power Wrms	40	30 - 20 -10
Impedance	8	L-27000
Frequency r. Hz	55 ÷ 20000	55 ÷ 20000
SPL 1w/1m	91dB	
SPL MAX	107dB	105dB
Coverage angle (degrees)	90x90	90x90

◦ PAPIRO

TU P2

Rectangular recessed acoustic speaker in plastic material, fireproof ABS V0 type.
Two-way broadband speaker, 30W, with 4'' soft suspension woofer in a closed box and dome tweeter with a crossover frequency of 3 KHz.
For installation in CF2 in-wall box or in plasterboard and false ceilings with BF fixing bars.
Accessories: wide range of colours and materials for the sides, bands and nets to allow for numerous, original colour combinations.

Weight: 1,1 Kg
Size: H288 x W187.5 x D77 mm

TU P2PRO

Same feature as P2 except for: two-way broadband speaker, 50W, with 4'' soft suspension woofer in a closed box and dome tweeter with a crossover frequency of 7 KHz.

Weight: 1,7 Kg

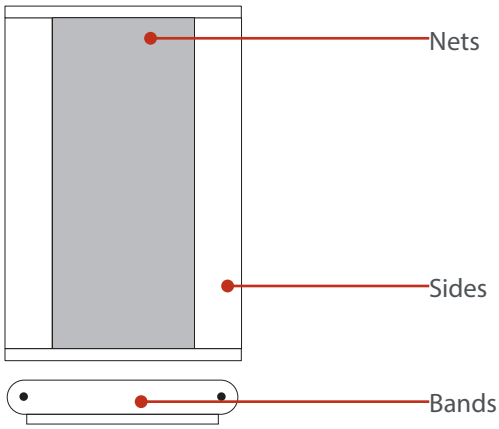
TU P530

Same feature as P2 except for: active speaker with built-in 30-20-10 W 24 V dc Hi-Fi amplifier.

Weight: 1,1 Kg

Type	TU P2	TU P2PRO	TU P530
System	8 Ohm	8 Ohm	ACTIVE
Power Wrms	30	50	30 - 20 - 10
Impedance	8	8	L-27000
Frequency r. Hz	80 ÷ 18000	80 ÷ 18000	80 ÷ 18000
SPL 1w/1m	84dB	84dB	
SPL MAX	98dB	99dB	98dB
Coverage angle (degrees)	120x100	120x100	120x100

Accessories for PAPIRO



Nets

- TU RBA White
- TU RMA Brown
- TU RNO Black
- TU RMC Chrome metal

Bands

- TU BBA White
- TU BBL Blue
- TU BNO Black
- TU BGR Grey
- TU BRS Red
- TU BVD Green
- TU BGA Yellow
- TU BMC Chrome Metal
- TU BNC Pale nickel
- TU BNS Dark nickel
- TU BOT Brassed nickel

Sides

- TU FBA White
- TU FBL Blue
- TU FNO Black
- TU FGR Grey
- TU FRS Red
- TU FVD Green
- TU FGA Yellow
- TU FMC Chrome Metal
- TU FLF Ash wood
- TU FLN Walnut wood
- TU FLK Dark fraké

LOGICO

TU LG2GB

Squared in-wall or in-ceiling loudspeaker, ABS type structure, fire self-extinguishing V0 class, metal protection grid.
Coaxial speaker system, 2 ways, fullrange, 30 W, 5" woofer with rubber suspension, dome tweeter.
Nominal impedance: 8 Ohm.
Dimensions: 170x170 mm.
Cut-hole 144x144 mm, depth 85 mm.
Colour: white.

TU LG530GB

Same feature as LG2GB except for:
active speaker with built in amplifier 30-20-10W class D, 24 V dc low noise and stabilized power supply.
Input sensitivity: 12 V pp, impedance 27 Kohm.

Type	TU LG2GB	TU LG530GB
System	8 Ohm	ACTIVE
Power Wrms	30	30 - 20 - 10
Impedance	8	27K
Frequency r. Hz	70 ÷ 20000	70 ÷ 20000
SPL 1w/1m	83dB	
SPL MAX	98dB	98dB
Coverage angle (degrees)	140x140	140x140

ELOGIO

TU EL2

Compact in-wall or in-ceiling fullrange or satellite loudspeaker, 2,5" woofer, 30 W.
Installable in gypsum ceilings or walls or in brick walls with 506Q (3+3) boxes.
Frecuency response 125 Hz – 17 kHz.
Sensitivity: 83 dB 1 W/1 m.
SPL at maximum power: 98 dB/1m.
Nominal impedance: 8 Ohm.

Dimensions: H119,2 x W119,2 x D8 + 48 mm, cut-hole 98x75,2 mm
Colour: B white, N black, MC metal cromo

TU EL508

Same feature as EL2 except for:
active speaker with built inamplifier 10 W.
24 V dc low noise and stabilized power supply.
Input sensitivity: 12 V pp, impedance 27 Kohm.

Type	TU EL2	TU EL508
System	8 Ohm	ACTIVE
Power Wrms	30	10
Impedance	8	27K
Frequency r. Hz	125 ÷ 17000	125 ÷ 17000
SPL 1w/1m	83dB	
SPL MAX	98dB	93dB
Coverage angle (degrees)	100x100	100x100

◦ SONATA DI VENEZIA ROUND

IN-WALL ROUND FLUSH-MOUNTED

OH SVC2G

Flush mount round speaker, satellite, 8 Ohm, 80-160W.
Two-way system with two speakers for undistorted sound reproduction over an extended frequency range (80W) and satellite for home theatre system (160W).
Suitable to be installed flush mounted, wall or ceiling mounted. 160 mm Midwoofer, 28 mm dome tweeter with neodymium magnet.
Bass reflex with tuned waveguide duct for a more extended and accurate reproduction of low frequencies. Acoustic crossover frequency: 2,7 kHz.
Reinforced and treated metal enclosure with 2 holes for input and output cables. Optional accessories: stretch fabric flush mount or metal mesh finishing materials.

Weight: 5,5 Kg
Dimensions: flush mount face diameter 230 mm.
Enclosure: D86.5 (75) x W373 x H373 mm

OH SVC530G

Same feature of SVC2G except for: active speaker, with built-in 30 W RMS amplifier, 24 V dc power supply.

Weight: 5.7 Kg

Type	OH SVC2G	OH SVC530G
System	8 Ohm	ACTIVE
Power Wrms	80 - 160	30-20-10
Impedance	8	27K
Frequency r. Hz	60 ÷ 20.000	60 ÷ 20.000
SPL 1w/1m	88 dB	
SPL MAX	107 dB	103 dB
Coverage angle (degrees)	160x160	160x160

Accessories for Sonata Di Venezia Round

Fabric or metal grid to apply directly to the speaker.

- Grid fabrics

- Grid metal

- Raw frame

- Jersey fabric type

OH SVC36TOR Orange
OH SVC36TBL Blue
OH SVC36TBN Black
OH SVC36TGR Grey
OH SVC36TWB White

- Grid metal colours

OH SVC36RBN Black
OH SVC36RMC Silver
OH SVC36RWB White

- Raw frame colour

OH SVC36TG Raw frame only

- Rubelli fabric silk

Ivory Lenora series
Bronze Lenora series
Ruby Lenora series
Water Lenora series

- Rubelli Trevira CS fabric

Stone Mari del Sud series
Honey Mari del Sud series
Anthracite Mari del Sud series

- Other fabrics Rubelli see p. 96

KORO

TU KR2GB

Rounded in-wall or in-ceiling loudspeaker, ABS type structure, fire self-extinguishing V0 class, metal protection grid. Coaxial speaker system, 2 ways, fullrange, 30W, 5" woofer with rubber suspension, dome tweeter.

Dimensions: Ø 192 mm, cut-hole 167 mm, depth 70 mm
Colour: white.

TU KR530GB

Same feature as KR2GB except for :
built in amplifier class D 30-20-10 W, 24 V dc low noise and stabilized power supply.
Input sensitivity: 12Vpp, impedance 27 Kohm.

Depth 70 mm

Type	TU KR2GB	TU KR530GB
System	8 Ohm	ACTIVE
Power Wrms	30	30 - 20 -10
Impedance	8	27 K
Frequency r. Hz	70 ÷ 20000	70 ÷ 20000
SPL 1w/1m	83dB	
SPL MAX	98dB	98dB
Coverage angle (degrees)	140x140	140x140

OZIO

TU OZ2GB

Round recessed acoustic speaker in plastic material, fire-proof ABS V0 type and protective metallic net.
System of coaxial two-way broadband loudspeakers, 30W, with 8" soft suspension woofer and dome tweeter.

Diameter of hole for flush mounting: 220 mm
Weight: 1,5 Kg
Size: Ø 245 x H100 mm
Colour: white.

TU OZ530GB

Same feature as OZ2GB except for :
active speaker with built-in 30-20-10W 24 V dc Hi-Fi amplifier.

Weight: 1,6 Kg

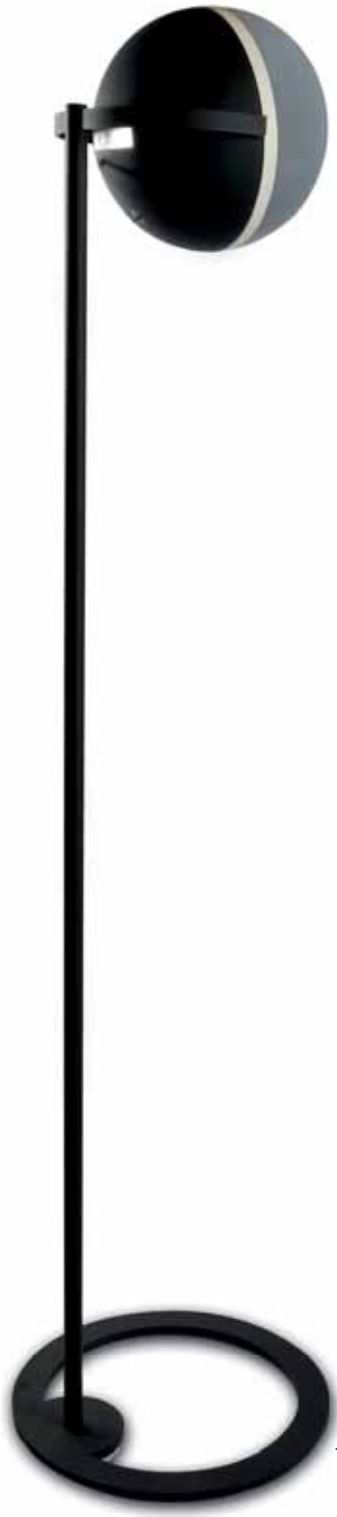
Type	TU OZ2GB	TU OZ530GB
System	8 Ohm	ACTIVE
Power Wrms	30	30 - 20 - 10
Impedance	8	L-27000
Frequency r. Hz	60 ÷ 20000	60 ÷ 20000
SPL 1w/1m	88dB	
SPL MAX	102dB	102dB
Coverage angle (degrees)	110x110	110x110

ON-WALL OR STANDING SPEAKERS

For systems to be installed in existing or historical buildings where it would be otherwise difficult or impossible to use. In-wall speakers, we can provide speakers available with various shapes, power and quality, both active and passive.
The OH series was created as a Design object, complementary to technological furnishings, in every context of Audio Multiroom sound diffusion in the home, where adapts to any type of system with minimal aesthetic impact in all environments. Our Oh range is also available in the Home Theatre version.

Detail with subwoofer

OkE' SERIES



OH OKP2G

Two-way system with two speakers for undistorted sound reproduction over an extended frequency range and satellite for home theatre system. Floor stand support.
115 mm midwoofer with 38 mm coil, fibreglass diaphragm and neodymium magnet, 25 mm dome tweeter with neodymium magnet.
Bass reflex with tuned waveguide duct for a more extended and accurate reproduction of low frequencies.
Acoustic crossover frequency: 2,7 kHz
Spherical enclosure made of thick die-cast metal, resistant to humidity, light and resistant, metal floor stand with double coated surface, complete with 4 m connection cable.
Optional accessories: coloured ring, fabric protection dome with stretch fabric available in different colours.

Weight: 4 Kg
Dimensions: D250 x W250 x H1030 mm
Base colour: silver MC, mat black BN, white WB

OH OKP530G

Same features as OKP2G except for:
active speaker with built-in 30 W rms amplifier, 24 V dc power supply.

Weight: 4 Kg

Accessories for OkE' series

- Ring

- OH SX34ABK Black
- OH SX34AWH White
- OH SX34ARD Red
- OH SX34ABL Blue
- OH SX34AGR Gray

- Dome

- OH SX36ABK Black
- OH SX36AWH White
- OH SX36AGR Gray
- OH SX36AOR Orange
- OH SX36ABL Blue

Type	OH OKP2G	OH OKP530G
System	8 Ohm	ACTIVE
Power Wrms	120	30
Impedance	8	27 K
Frequency r. Hz	115 ÷ 18000	115 ÷ 18000
SPL 1w/1m	84 dB	
SPL MAX	104 dB	98 dB
Coverage angle (degrees)	168x168	168x168

OH SX31ASL

Spherical speaker with floor stand, Satellite. Two-way system with two speakers for undistorted sound reproduction over an extended frequency range and satellite for home theatre system. Arch support with swivel floor stand. 115 mm Midwoofer with 38 mm coil, fibreglass diaphragm and neodymium magnet, 25 mm dome tweeter with neodymium magnet. Bass reflex with tuned waveguide duct for a more extended and accurate reproduction of low frequencies. Acoustic crossover frequency: 2,7 KHz. Spherical enclosure made of thick die-cast metal, resistant to humidity, light and resistant, concealed internal wires, and polarised power terminals. Optional accessories: coloured ring, fabric protection dome with stretch fabric available in different colours.

Weight: 10,2 Kg
Dimensions:
D250 x W250 x H1200 mm.
Colour: silver MC, black BN, white WB..

OH SP535

Amplified system, total power output 30 W rms (70 W peak).
Input sensitivity: 12 V pp Tutondo standard (4,25 Vrms).
Power supply: 24 V dc.

Weight: 10,4 Kg
Dimensions:
D250 x W250 x H1200 mm
Colour: silver MC, black BN, white WB.

Type	OH SX31ASL	OH SP535
System	8 Ohm	ACTIVE
Power Wrms	120	30
Impedance	8	27
Frequency r. Hz	115 ÷ 20000	80 ÷ 25000
SPL 1w/1m	84 dB	
SPL MAX	104 dB	104 dB
Coverage angle (degrees)	168x168	168x168

OH OK2G

Multi-position spherical speaker, Spherical enclosure made of thick die-cast metal, resistant to humidity, light and resistant, and complete with 4 m connection cable.

Weight: 2,2 Kg
Dimensions: D160 x W160 x H200 mm.
Colour: silver MC, black BN, white WB.

OH OK530G

Same features as OK2G except for : active system, amplifier power 30Wrms. Input signal sensitivity: standard active 12Vpp (4,25 Vrms).

Weight: 3 Kg
Dimensions: D160 x W160 x H200 mm.
Colour: silver MC, black BN, white WB.

OH SX33ASL

Spherical speaker with multi-position base. Arch support with multi-position base for wall-mount installation or positioning on shelves or surfaces. Concealed internal wires, and polarised power terminals.

Weight: 3,5 Kg
Dimensions: D290 x W225 x H240 mm.
Colour: silver MC, black BN, white WB.

OH SM535

Same features as SX33ASL except for : amplified system, total power output 30Wrms (70Wpeak). Input sensitivity: 12Vpp Tutondo standard (4,25 Vrms). Power supply: 24 V dc, low noise.

Weight: 3,1 Kg
Dimensions: D290 x W225 x H240 mm.
Colours: silver MC, black BN, white WB.

Common features: multi-position spherical speaker, Satellite. Two-way system with two speakers for undistorted sound reproduction over an extended frequency range and satellite for home theatre system. Multi-position support for wall-mount installation or positioning on shelves or surfaces. 115 mm midwoofer with 38 mm coil, fibreglass diaphragm and neodymium magnet, 25 mm dome tweeter with neodymium magnet. Bass reflex with tuned waveguide duct for a more extended and accurate reproduction of low frequencies. Acoustic crossover frequency: 2,7 kHz.
Optional accessories: coloured ring, fabric protection dome with stretch fabric available in different colours.

OH OK2G	OH OK530G	OH SX33ASL	OH SM535
8 Ohm	ACTIVE	8 Ohm	ACTIVE
120	30	120	30
8	27K	8	27K
115 ÷ 18000	115 ÷ 18000	115 ÷ 20000	80 ÷ 25000
84 dB		84 dB	
104 dB	98 dB	104 dB	98 dB
168x168	168x168	168x168	168x168

ARIA DI VENEZIA TIBI

OH TB2G

Compact loudspeaker, 2 ways, squared shape, on-wall or standing speakers positioning, satellite, 8 ohm, 60 W.
Two-way system with two speakers for undistorted sound reproduction over an extended frequency range and satellite for home theatre system.
Suitable to be installed on wall or standing speakers style.
2 x 2.5" midwoofers with 20 mm coil and high efficiency magnet, 18 mm dome tweeter with neodymium magnet.
Bass reflex with tuned waveguide duct for a more extended and accurate reproduction of low frequencies. Reinforced and treated metal enclosure with 2.5 m output audio cable.
Optional accessories: stretch fabric flush mount or metal mesh finishing.
Max power: 80 W rms satellite, 60 W rms full-range.
Weight: 2,4 Kg.
Dimensions: HxWxD: 182mm x182mm x 61mm.
Body colour: silver MC, black N, white B.

OH TB530G

Same features as TB2G except for:
active speakers, with class D digital amplifier high efficiency, 24 V dc power supply.
Power: 30 W rms.

Weight: 2,45 Kg

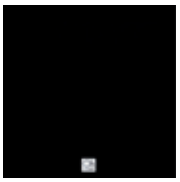
Type	OH TB2G	OH TB530G
System	8 Ohm	ACTIVE
Power Wrms	60	30
Impedance	8	27K
Frequency r. Hz	110 ÷ 22K	110 ÷ 22K
SPL 1w/1m	85dB	85dB
SPL MAX	103dB	100dB
Coverage angle (degrees)	200x150	200x150

Accessories for Aria Di Venezia Tibi

Fabric or metal grid to apply directly to the speaker.

- Grid fabrics

- Grid metal



- Raw frame

- Jersey fabric type

OH AV36TOR Orange
OH AV36TBL Blue
OH AV36TBN Black
OH AV36TGR Grey
OH AV36TWB White

- Grid metal colours

OH AV36RBN Black
OH AV36RMC Silver
OH AV36RWB White

- Raw frame colour

OH AV36TG raw frame only

- Rubelli fabric silk

Ivory Lenora series

Bronze Lenora series

Ruby Lenora series

Water Lenora series

- Rubelli Trevira CS fabric

Stone Mari del Sud series

Honey Mari del Sud series

Anthracite Mari del Sud series

- Other fabrics Rubelli see p. 96

TU OL2C1

Compact loudspeaker, cylindrical shape, on-wall or bookshelf installation, satellite, 8 Ohm, 30 W.
Sound diffusion system inside an extended frequency range, or satellite for home theatre systems.
Chassis suitable for on-wall installation, with adjustable bracket (included), or standing on a flat surface.
2.5" loudspeaker with 20 mm voice coil and high efficiency magnet.
Painted and welded aluminium chassis, with ABS borders, 2.5 m audio cable.

Power: 50 W rms satellite, 30 W rms fullrange
Weight: 0.5 Kg
Dimensions: Ø 93 mm x 98 mm
Colour: Silver MC, Black N, White B.

TU OL508C1

Same mechanical features as OL2C1 model except for:
active speaker, 10 W.
2.5" loudspeaker with 20 mm voice coil and high efficiency magnet.
Class D amplifier with high efficiency, 24 V dc power supply.

Weight: 0,55 Kg
Dimensions: Ø 93 mm x 98 mm
Colour: Silver MC, Black N, White B.

Type	TU OL2C1	TU OL508C1
System	8 Ohm	ACTIVE
Power Wrms	30	10
Impedance	8	27K
Frequency r. Hz	120 ÷ 20K	120 ÷ 20K
SPL 1w/1m	82dB	
SPL MAX	97dB	92dB
Coverage angle (degrees)	200x175	200x175

OLI

TU OL2C2

Same mechanical features as OL2C1 model except for:
2x2.5" loudspeakers with 20 mm voice coil and high efficiency magnet.
Power: 80 W rms satellite, 60 W rms fullrange

Weight: 1.00 Kg
Dimensions: Ø 93 mm x 278 mm.
Colour: Silver MC, Black N, White B.

TU OL2C2G

Same mechanical features as OL2C1 model except for:
2 ways sound diffusion system.
2x2.5" midwoofers with 20 mm voice coil, 1x22 mm dome tweeter and high efficiency neodimium magnet.
Power: 80 W rms satellite, 60 W rms fullrange.

Weight: 1.10 Kg
Dimensions: Ø 93 mm x 278 mm.
Colour: Silver MC, Black N, White B.

TU OL530C2G

Same mechanical features as OL2C1 model except for:
2 ways sound diffusion system, active, 30 W.
2x2.5" midwoofers with 20 mm voice coil, 1x22 mm dome tweeter and high efficiency neodimium magnet.
Class D amplifier with high efficiency, 24 V dc power supply.

Weight: 1.15 Kg.
Dimensions: Ø 93 mm x 278 mm.
Colour: Silver MC, Black N, White B.

Type	TU OL2C2	TU OL2C2G	TU OL530C2G
System	8 Ohm	8 Ohm	ACTIVE
Power Wrms	60	60	30
Impedance	8	8	27K
Frequency r. Hz	110 ÷ 22K	110 ÷ 22K	110 ÷ 22K
SPL 1w/1m	85dB	85dB	85dB
SPL MAX	103dB	103dB	100dB
Coverage angle (degrees)	200x150	200x150	200x150

◦ OLI

TU OL530C2

Same mechanical features as OL2C1 model except for:
active speaker 30 W.
2x2.5" loudspeakers with 20 mm voice coil and high efficiency magnet.
Class D amplifier with high efficiency, 24 V dc power supply.

Weight: 1.05 Kg
Dimensions: Ø 93 mm x 278 mm
Colour: Silver MC, Black N, White B.

TU OL2C4

Same mechanical features as OL2C1 model except for:
4x2.5" loudspeakers with 20mm voice coil and high efficiency magnet.
Power: 90 W rms satellite, 80 W rms fullrange.

Weight: 1.80 Kg
Dimensions: Ø 93 mm x 394 mm
Colour: Silver MC, Black N, White B.

Type	TU OL530C2	TU OL2C4
System	ACTIVE	8 Ohm
Power Wrms	30	
Impedance	27K	
Frequency r. Hz	120 ÷ 20K	120 ÷ 20K
SPL 1w/1m	85dB	90dB
SPL MAX	100dB	109dB
Coverage angle (degrees)	200x150	200x123

◦ SYDNEY

TU S2

On-wall or standing broadband acoustic speaker in plastic material, fireproof ABS V0 type.
Two-way broadband system, 30W, with 4''soft suspension woofer and dome tweeter with a crossover frequency of 3 KHz.
Body colours: white B, black N, chrome metal MC.
Optional accessories: adjustable fixing bracket, wide range of colours and materials for the sides, bands and nets to allow for numerous, original colour combinations.

Weight: 1,2 Kg
Size: H270 x W178 x D123 mm.

TU S2PRO

Same mechanical features as S2 model except for:
two-way broadband system, 50W, with 4''soft suspension woofer and dome tweeter with a crossover frequency of 7 KHz.
Body colours: white B, black N, chrome metal MC.

Weight: 1,8 Kg
Size: H270 x W178 x D123 mm.

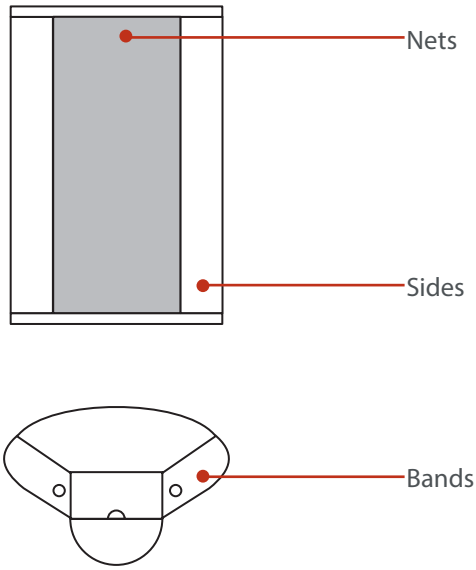
TU S530

Same mechanical features as S2 model except for:
two-way broadband system, 30-20-10 W.
Built-in 30 W, 24 V dc Hi-Fi amplifier.
Body colours: white B, black N, chrome metal MC.

Weight: 1,2 Kg
Size: H270 x W178 x D123 mm.

Type	TU S2	TU S2PRO	TU S530
System	8 Ohm Hi-Fi	8 Ohm Hi-Fi	ACTIVE
Power Wrms	30	50	30 - 20 -10
Impedance	8	8	L-27000
Frequency r. Hz	80 ÷ 18000	70 ÷ 20000	80 ÷ 14000
SPL 1w/1m	84dB	83dB	
SPL MAX	98dB	99dB	99dB
Coverage angle (degrees)	120x100	120x100	120x100

Accessories for Sydney



Nets

- TU RBAS White
- TU RMAS Brown
- TU RNOS Black
- TU RMCS Chrome Metal

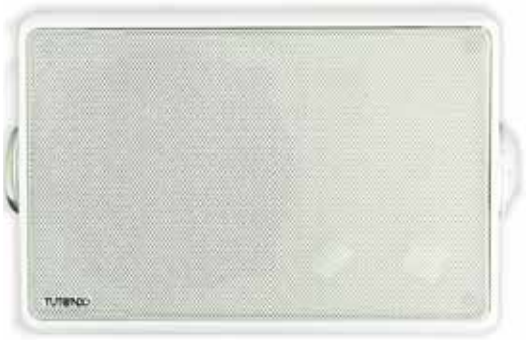
Bands

- TU BBAS White
- TU BBLS Blue
- TU BNOS Black
- TU BGRS Gray
- TU BRSS Red
- TU BVDS Green
- TU BGAS Yellow
- TU BMCS Chrome Metal
- TU BNCS Pale nickel
- TU BOTS Dark nickel
- TU BNSS Brassed nickel

Sides

- TU FBAS White
- TU FBLS Blue
- TU FNOS Black
- TU FGRS Gray
- TU FRSS Red
- TU FVDS Green
- TU FGAS Yellow
- TU FMCS Chrome Metal
- TU FLFS Ash wood
- TU FLNS Walnut wood
- TU FLKS Fraké wood

RIO



TU R2G30

On-wall or standing broadband acoustic speaker in plastic material, fireproof ABS V0 type.
Two-way broadband speaker, 30W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 5 KHz.
Complete with adjustable fixing bracket.

Weight: 1,7 Kg
Size: H286 x W174 x D162 mm
Base colour: silver MC, black N, white B

TU R2PRO

Same mechanical features as R2G30 model except for: two-way broadband speaker, 60 W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 7 KHz.

Weight: 2 Kg
Size: H286 x W174 x D162 mm
Base colour: silver MC, black N, white B.

TU R530G

Same mechanical features as R2G30model except for: two-way broadband speaker, 30 W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 5 KHz.
Built-in 30-20-10 W 24 V dc Hi-Fi amplifier.

Weight: 1,8 Kg
Size: H286 x W174 x D162 mm
Base colour: silver MC, black N, white B.

Type	TU R2G30	TU R2PRO	TU R530G
System	8 Ohm Hi-Fi	8 Ohm	ACTIVE
Power Wrms	30	60	30 - 20 -10
Impedance	8	8	L-27000
Frequency r. Hz	70 ÷ 20000	70 ÷ 20000	70 ÷ 20000
SPL 1w/1m	85dB	86dB	
SPL MAX	99dB	103dB	100dB
Coverage angle (degrees)	140x140	140x140	140x140

MINNI

TU MN2G30

On-wall or standing Hi-Fi acoustic speaker in plastic material, fireproof ABS V0 type.
Two-way broadband speaker, 30 W, with 3" soft suspension woofer in a closed box andA dome tweeter with a crossover frequency of 3 kHz.
Complete with adjustable fixing bracket.

Weight: 1,1 Kg.
Size: H195 x W130 x D126 mm
Base colour black N, white B.

TU MN508G

Same features as MN2G30 model except for:
built-in 8 W 24 V dc Hi-Fi amplifier.

Weight: 1,1 Kg
Size: H195 x W130 x D126 mm
Base colour black N, white B.

Type	TU MN2G30	TU MN508G
System	8 Ohm Hi-Fi	ACTIVE Hi-Fi
Power Wrms	30	8
Impedance	8	L-27000
Frequency r. Hz	140 ÷ 20000	140 ÷ 20000
SPL 1w/1m	87dB	
SPL MAX	102dB	96dB
Coverage angle (degrees)	110x110	110x110

◦ LAPSUS

TU L2G

On-wall or standing acoustic speaker for professional applications. 120 W full range two-way loudspeaker system with 8" woofer in bass reflex box and dome tweeter with a crossover frequency of 3 kHz and Butterworth filtering at 18 dB/octave.

Weight: 7,3 Kg
Size: H359 x W271 x D250 mm.
Lapsus Colours: white - black.

TU L530G

Same mechanical features as L2G model except for:
built-in 30 W 24 V dc Hi-Fi amplifier.

Weight: 7,5 Kg
Size: H359 x W271 x D250 mm
Lapsus Colours: white - black.

Type	TU L2G	TU L530G
System	8 Ohm Hi-Fi	ACTIVE
Power Wrms	120	30
Impedance	8	L-27000
Frequency r. Hz	60 ÷ 20000	70 ÷ 20000
SPL 1w/1m	88dB	
SPL MAX	108dB	102dB
Coverage angle (degrees)	120x90	120x90

OKEBALL SERIES

OH OKB2G

Spherical acoustic speaker for suspended adjustable installations . Two-way system with two speakers for undistorted sound reproduction over an extended frequency range and satellite for home theatre system. 115 mm midwoofer, 25 mm dome tweeter with neodymium magnet. Bass reflex with tuned waveguide duct for a more extended and accurate reproduction of low frequencies. Spherical enclosure made of thick die-cast metal, resistant to humidity, light and resistant, and complete with 3 m connection cable.
Optional accessories: coloured ring, fabric protection dome with stretch fabric available in different colours.
Coverage angle in degrees: 168°
Weight: 2,2 kg
Dimensions: D 160 x W 180 x H 196 mm
Colour: silver MC, black BN, white WB.

OH OKB530G

Same features as OKB2G model except for: active system, amplifier power 30 Wrms. Input signal sensitivity: standard active 12 Vpp (4,25 Vrms).

Weight: 3 Kg
Dimensions: D 160 x W 160 x H 200 mm
Colour: silver MC, black BN, white WB.

Accessories for Okeball

- Ring

- OH SX34ABK Black
- OH SX34AWH White
- OH SX34ARD Red
- OH SX34ABL Blue
- OH SX34AGR Gray

- Dome

- OH SX36ABK Black
- OH SX36AWH White
- OH SX36AGR Gray
- OH SX36AOR Orange
- OH SX36ABL Blue

Type	OH OKB2G	OH OKB530G
System	8 Ohm	ACTIVE
Power Wrms	120	30
Impedance	8	27 K
Frequency r. Hz	115 ÷ 18000	115 ÷ 18000
SPL 1w/1m	84 dB	
SPL MAX	104 dB	98 dB
Coverage angle (degrees)	168x168	168x168

OUTDOOR SPEAKERS

A series of speakers for external environments, with an IP 54/55 protection rating, in-wall, and special floor standing speakers, complete our Multiroom Audio system range.

Example of sound system in garden of two floor house.

OLI EX

TU OL2C2GEX

2 ways sound diffusion system, compact loudspeaker, cylindrical shape, for outdoor installation, protection level IP55. Satellite, 8 Ohm, 60 W. Chassis suitable for on-wall installation, with adjustable bracket (included), or standing on a flat surface.
2.5" loudspeaker with 20 mm voice coil and high efficiency magnet, 1x22 mm dome tweeter and high efficiency neodimium magnet.
Painted and welded aluminium chassis, 2.5 m audio cable.

Weight: 1,4 Kg
Dimensions: Ø 93 mm x 278 mm
Colour: Silver MC, Black N, White B.

TU OL530C2GEX

Same mechanical features as OL2C2GEX model except for:
active speaker, 30 W. Class D amplifier with high efficiency, 24 V dc power supply.

Weight: 1,45 Kg
Dimensions: Ø 93 mm x 278 mm.
Colour: Silver MC, Black N, White B.

TU OL2C4EX

Same mechanical features as OL2C2GEX model except for:
4 x 2.5" loudspeakers with 20 mm voice coil and high efficiency magnet.
Power: 90 W rms satellite, 80 W rms full-range

Weight: 2,10 Kg
Dimensions: Ø 93 mm x 394 mm
Colour: Silver MC, Black N, White B.

TU OL530C4EX

Same mechanical features as OL2C4EX model except for:
active speaker, 30 W. Class D amplifier with high efficiency, 24 V dc power supply.

Weight: 2,15 Kg
Dimensions: Ø 93 mm x 394 mm
Colour: Silver MC, Black N, White B

Type	TU OL2C2GEX	TU OL530C2GEX	TU OL2C4EX	TU OL530C4EX
System	8 Ohm	ACTIVE	8 Ohm	ACTIVE
Power Wrms		30		30
Impedance		27K		27K
Frequency r. Hz	110 ÷ 22K	110 ÷ 22K	120 ÷ 20K	119 ÷ 20K
SPL 1w/1m	85dB	85dB	90dB	90dB
SPL MAX	103dB	100dB	109dB	105dB
Coverage angle (degrees)	200x150	200x150	200x123	200x123

◦ MAX

Floorstanding acoustic speaker for speech and music, designed for professional and residential outdoor installations. Original, practical design and a system for transmitting sound 360° horizontally and 45° vertically.

TU M2

Hi-Fi acoustic garden speaker with 30 W rms loudspeaker system.
Two-way broadband speaker, with 5" soft suspension woofer in a closed box and dome tweeter with a crossover frequency of 3 kHz.
Galvanized and epoxy painted metal case.
For fixed floorstanding installation.

Protection level: IP54
Weight: 12,5 Kg.
Size:
H636 x W281 x D281 mm.
Colour: white.

TU M530-10

Same features as M2 model except for: built-in 30 W 24 V dc Class-D Hi-Fi amplifier, set to 10 W.

Weight: 12,6 Kg.

TU M530-20

Same features as M2 model except for: built-in 30 W 24 V dc Class-D Hi-Fi amplifier, set to 20 W.

Weight: 12,6 Kg.

TU M530-30

Same features as M2 model except for: built-in 30W 24 V dc Class-D Hi-Fi amplifier, set to 30 W.

Weight: 12,6 Kg.

Type	TU M2	TU M530-10	TU M530-20	TU M530-30
System	8 Ohm Hi-Fi	ACTIVE	ACTIVE	ACTIVE
Power Wrms	30	10	20	30
Impedance	8	L-27000	L-27000	L-27000
Frequency r. Hz	65 ÷ 17000	65 ÷ 17000	65 ÷ 17000	65 ÷ 17000
SPL 1w/1m	82dB			
SPL MAX	96dB	92dB	95dB	96dB
Coverage angle (degrees)	360x45	360x45	360x45	360x45

TU RS508GEX

30W acoustic speaker for outdoor installations, with a system of full range 2-way loudspeakers, 6" enclosed woofer and dome tweeter, complete with 8W, 24 V dc amplifier.

Protection level: IP55
Weight: 4 Kg
Size: H250 x W300 x D230 mm
Colour: grey and white

Type	TU RS508GEX
System	ACTIVE
Power Wrms	8
Impedance	
Frequency r. Hz	85 ÷ 20000
SPL 1w/1m	
SPL MAX	93dB
Coverage angle (degrees)	100x100

SYDNEY EX

White, with steel screws, loudspeakers tropicalized with water-repellant solution. Complete with adjustable fixing bracket.

TU S2EXB

On-wall or standing broad-band acoustic speaker in special plastic material, UV-Ray resistant. Two-way broadband sytem, 30W, with 4'' soft suspension woofer and dome tweeter with a crossover frequency of 3 KHz.
Loudspeakers with weather-proof treatment, tropicalized with water-repellant solution.
Screws and net in painted steel, white colour.
Optional accessories: adjustable fixing bracket.

Protection level: IP54
Weight: 1,2 Kg
Size: H270 x W178 x D123 mm
Colour: white

TU S530EXB

Same mechanical features as S2EXB model except for:
built-in 30-20-10W, 24 V dc Hi-Fi amplifier.

Protection level: IP54
Weight: 1,3 Kg
Size: H270 x W178 x D123 mm
Colour: white

Type	TU S2EXB	TU S530EXB
System	8 Ohm Hi-Fi	ACTIVE
Power Wrms	30	30 - 20 -10
Impedance	8	27K
Frequency r. Hz	80 ÷ 18000	80 ÷ 18000
SPL 1w/1m	84dB	
SPL MAX	98dB	99dB
Coverage angle (degrees)	120x100	120x100

RIO EX

Outdoor loudspeaker, complete with white sides, bands and nets, steel screws, loudspeakers tropicalized with water-repellant solution.

TU R2GEXB

On-wall or standing broadband acoustic speaker in special plastic material, UV-Ray resistant.
Two-way broadband speaker, 30W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 3 KHz.
Loudspeaker with weatherproof treatment, tropicalized with water-repellant solution.
Bracket in painted aluminium, screws and net in painted steel, white colour.
Complete with adjustable fixing bracket.

Protection level: IP54.
Weight: 1,3 Kg.
Size: H286 x W174 x D162 mm
Colour: white.

TU R508GEXB

Same mechanical features as R2GEXB model except for: two-way broadband speaker, 30W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 3 KHz.
Loudspeaker with weatherproof treatment, tropicalized with water-repellant solution.
Built-in 8 W, 24 V dc Hi-Fi amplifier.

Protection level: IP54.
Weight: 1,4 Kg.
Size: H286 x W174 x D162 mm
Colour: white.

TU R530GEXB

Same mechanical features as R508GEXB model except for: two-way broadband speaker, 30W, with 5'' semicircular soft suspension woofer and coaxial dome tweeter with a crossover frequency of 3 KHz.
Loudspeaker with weatherproof treatment, tropicalized with water-repellant solution.
Built-in 30 W, 24 V dc Hi-Fi amplifier.

Protection level: IP54.
Colour: white.

Type	TU R2GEXB	TU R508GEXB	TU R530GEXB
System	8 Ohm Hi-Fi	ACTIVE Hi-Fi	ACTIVE
Power Wrms	30	8	30
Impedance	8	L-27000	27K
Frequency r. Hz	80 ÷ 20000	80 ÷ 20000	80 ÷ 20000
SPL 1w/1m	88dB		
SPL MAX	103dB	97dB	103dB
Coverage angle (degrees)	100x100	100x100	100x100

TU MSS2GEX

False-ceiling or Wall-mounted recessed loud-speaker, for outdoor installation, suitable for background music and speech.
Two-way system with 160 mm (6”) woofer and 25 mm (1”) dome tweeter.
Thermoplastic structure, complete with pro-tection net, rubber suspension and polypro-pylene diaphragm, sealed coil and magnet units.

Protection level: IP55 (when installed to the ceiling)
Diameter of hole for flush mounting: 148 mm
Weight: 800 gr.
Size: Ø 190 x H65 mm .
Colour: white RAL9016.

Type	TU MSS2GEX
System	8 Ohm
Power Wrms	30
Impedance	8
Frequency r. Hz	70 ÷ 20000
SPL 1w/1m	88dB
SPL MAX	102dB
Coverage angle (degrees)	100x100

SUBWOOFERS

The Tutondo Subwoofer Speakers have been designed to be included in a discrete and original way within the home. Subwoofer/lamp models are available in-wall and free-standing versions, with a simple and unobtrusive look while maintaining a quality to satisfy the linear acoustic Hi-Fi response, when paired with our satellite speakers.

Detail of subwoofer lamp

◦ AVS200

OH AVS200

Recessed compact subwoofer, bass-reflex system, flush mount with low visual impact. Installable in brick walls and gypsum board walls with special box (OH CFAVSP, not included).
Speaker system with n°2 woofers (165 mm diameter), 38 mm voice coil, rubber surroundings, class D digital amplifier, LFE input with removable terminals.
ON/OFF switch.
Controls: Volume, Crossover frequency, Phase control 0°-180°.
Power supply: 230 V ac
Audio power: 200 W rms
Frequency response: 38 ÷ 180 Hz.
SPL max: 109 dB at 1 m
Weight: 6,3 Kg (13,2 Kg with box)

Dimensions: Visible: W 418 x H 269 mm.
Colours: White (B), Black (N), Silver (MC)

In wall box: OH CFAVSP
Box: W 535 x H 545 x D 87 mm.
Hole: W 479 x H 330 mm.

Type	OH AVS200
System	8 Ohm
Power Wrms	
Impedance	200
Frequency r. Hz	
SPL 1w/1m	38 ÷ 180
SPL MAX	109dB
Coverage angle (degrees)	360x360

OHL

OH OHL

200 W Amplified subwoofer lamp, a design element that combines ambient light and electroacoustic technology. Warm light lamp with light intensity control.
Loudspeaker system with 38 mm dual coil woofer, 250 mm diameter, rubber edge, transmission line acoustical loading.
Transmission line with coherent acoustic material.
Class D, 200 W rms amplifier, signal input and output RCA connectors, 1 LFE input, 1 stereo Line In input and 1 stereo Line Out output.
Main on/off switch, automatic activation of the amplifier when an input audio signal is present, volume controls, linear phase control, high frequency control and roll-off compensation.
Power supply: 230 V ac
Weight: 30 Kg
Dimensions: D400 x H2050 mm

OH OHLMC – colour silver
OH OHLBN – colour black
OH OHLWB – colour white

Type	OH OHL
System	ACTIVE
Power Wrms	200
Impedance	22K
Frequency r. Hz	25 ÷ 150
SPL 1w/1m	
SPL MAX	113 dB
Coverage angle (degrees)	360x360

◦ PC33 - PC31

OH PC33ASL

Amplified subwoofer, 200 W with band-pass acoustic system for excellent physical filtering. Thick MDF enclosure. Tuned loading with acoustical impedance guide to drastically reduce distortion. Loudspeaker system with 38 mm dual coil woofer, 250 mm diameter, rubber edge, and band-pass load.
Class D, 200 W rms amplifier, signal input and output RCA connectors, 1 LFE input, 1 stereo Line In input and 1 stereo Line Out high pass, output. Main on/off switch and automatic on/off when an input audio signal is present, volume controls, phase control, and high frequency control.
Power supply: 230 V ac.
Power: 200 W rms.
Dimensions: D460 x W300 x H450 mm

OH PC33ASLMC – colour silver
OH PC33ASLBN – colour black
OH PC33ASLWB – colour white

OH PC31ASL

Passive subwoofer, 150W, 8 + 8 Ohm, with band-pass acoustic system for excellent physical filtering.Thick MDF enclosure.
Tuned loading with acoustical impedance guide to drastically reduce distortion.
Loudspeaker system with 38 mm dual coil woofer, 250 mm diameter, rubber edge, band-pass load and passive crossover for two-way stereo system.
Electric crossover frequency: 150 Hz (@ -6 dB, Linkwitz 2nd order filter).
Total power: 120+120 W rms.

Weight: 18 Kg. Dimensions: D430 x W300 x H450 mm

OH PC31ASLMC – colour silver
OH PC31ASLBN – colour black
OH PC31ASLWB – colour white

TU B189

The subwoofers are an essential element in the creation of sound reinforcement and Home Theatre systems. Conceived and designed to extend and reinforce the acoustic response at low frequencies, giving body and form to the music.

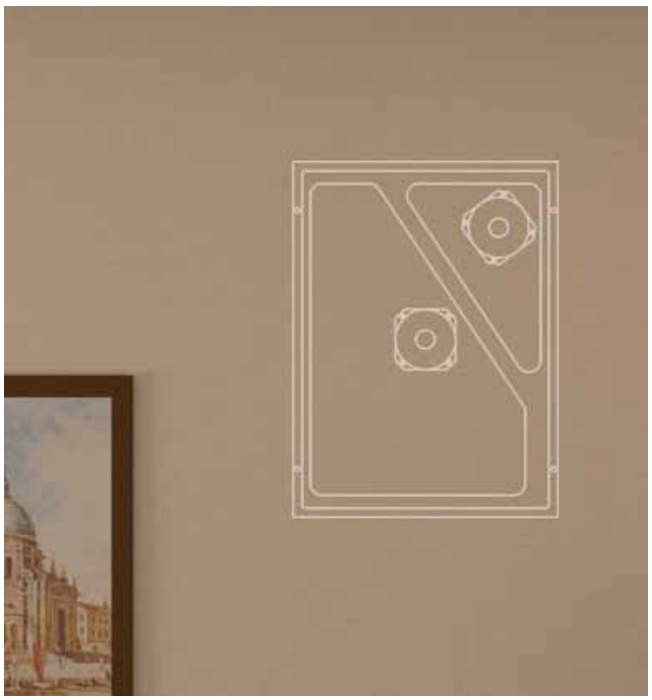
Ultra compact subwoofer suitable for home theatre applications (LFE channel) or sound diffusion bass reinforcement.
Bass reflex system, 250 mm woofer; 150W amplifier with active low pass filter.
Volume, crossover (from 50 to 150 Hz) and phase (0° / 180°) adjustments.
RCA type inputs (1V max).
Power supply: 230 V ac.
Weight: 16 Kg
Size: H380 x W350 x D410 mm
Colour: black with silver details

Type	OH PC33ASL	OH PC31ASL	TU B189
System	ACTIVE	PASSIVE	AMPLIFIER
Power Wrms	200	150	150
Impedance	22K	8+8	
Frequency r. Hz	35 ÷ 180	35 ÷ 180	30 ÷ 150
SPL 1w/1m		88 dB	
SPL MAX		111 dB	105dB
Coverage angle	360	360	360

INVISIBLE LOUDSPEAKERS

A series of Invisible flush-mounted in-wall speakers to fill the room with sound but with no visual intrusion.

Detail of the Invisible speaker



View of the installed speaker

MIRAGGIO DI VENEZIA

TU U2G

Single-diaphragm, two-way 60W RMS loudspeaker system suitable for pure architectural solutions where the acoustic speaker must remain invisible. Suitable for totally concealed installation with the radiant surface suitable for painting or coating.

Suitable for installation in masonry or plasterboard ceilings/walls.
The system comprises a special flat diaphragm that is flush mounted on a level with the surface and can be coated with wallpaper or covered with a special protective sheet and then painted with a water-based paint the same colour as the wall/ceiling.

Optional accessories:
- CF8 wooden sandwich board in-wall frame for plasterboard; dimensions: H640 x W488xP75 mm.
- CF6 sandwich board and galvanized sheet metal in-wall box with sound-absorbent material for masonry; dimensions: H640 x W488 x P84 mm.

TECHNICAL CONSIDERATIONS: this product demands a particular installation procedure that calls for the co-operation of at least two professionals, i.e. an electrician and a decorator expert in plaster work and attaching wallpaper or fabrics.

Weight: 4,7 Kg
Size: H640 x W488 x D84 mm

Type	TU U2G
System	8 Ohm
Power Wrms	60
Impedance	8
Frequency r. Hz	145 ÷ 9000
SPL 1w/1m	90dB
SPL MAX	107dB
Coverage angle (degrees)	180x180

VIBRATING MAGNETODYNAMIC ACTUATORS

Devices to be mounted on wooden panels, plaster board, glass, etc....which, through vibration, produce a powerful and high quality sound depending on the type of material used.

MINIVIBRO

Magneticaldynamic driver, sound emission via surface vibrations (light wood or synthetic panels). The driver, glued on the surface of the panel, is suitable for transmitting voice and background music. It can be installed on external side of box showers or hydromassage baths, light furniture walls or doors, advertising panels. Efficiency and frequency response depend on physical conditions of installation.

Colour: metal grey

TU LO2

Magnetic dynamic driver, sound emission via surface vibrations (light wood or synthetic panels). The driver, fixed on the surface of the panel, is suitable for transmitting voice and background music. It can be installed on external side of box showers or Jacuzzi baths, light furniture walls or doors, advertising panels. Efficiency and frequency response depend on physical conditions of installation.
Dimensions: diameter 92mm, height including crossover 74mm.

Type	MINIVIBRO	TU LO2
System	8 Ohm	8 Ohm
Power Wrms	5	30
Impedance	8	8
Frequency r. Hz	120 ÷ 15000	70 - 12000
SPL 1w/1m	80dB	75/82dB
SPL MAX	87dB	90/97dB
Coverage angle (degrees)	180x180	180x180

SPEAKER ACCESSORIES

Accessories for loudspeakers

◦ TU BF

BF Recessed speaker fixing bars

Reinforcement bars for fixing PAPIRO or FOLIO recessed speakers in crumbly false ceilings or walls (mineral fibers, plasterboard).
Pair of galvanized sheet metal bars with self-centering springs for tapping screws.

Dimensions: H320 x W30 x D1,5 mm
Weight: 0,233 Kg

◦ TU PF3

Papiro backing plate

This plate is for covering holes or CF2 in-wall boxes that are not in use, with a finishes to match the “PAPIRO” range.
Pregalvanized molded sheet metal plate with holes and a device for fixing nets, sides and bands, with the same finishes as the “PAPIRO” speakers.
Scratchproof epoxy paint, with nonreflecting sponged surface finish.

Dimensions: H274 x W152 x D17.5 mm
Weight: 0,605 Kg

◦ TU CF2

In-wall box for Papiro or Folio speakers

White thermoplastic in-wall box for Papiro or Folio speakers.
Dimensions:
- outside: H273 x W144 x D57 mm
- inside: H257 x W128 x D53 mm

Weight: 0,178 Kg

◦ TU CF4

In-wall box for Edotto speakers

Galvanized sheet metal in-wall box for Edotto acoustic speakers.
Dimensions:
- inside H273 x W144 x D57 mm
- outside H550 x W400 x D88 mm
Weight: 4,8 Kg

TU CF6

In-wall box for Utopia invisible speakers

In-wall box for masonry walls for Utopia invisible speakers.
Dimensions:
H640 x W488 x D75 mm
Weight: 1,83 Kg

TU CF8

Frame for flush mounting Utopia invisible speakers in plasterboard walls

Dimensions:
H640 x W488 x D76 mm

Weight: 2,10 Kg

TU CFMSS

In-wall box for MSS2GEX speakers

Steel sheet in-wall box for MSS2GEX acoustic speakers.

Dimensions: outside H270 x W270 x D75 mm
Weight: 1,5 Kg

TU CFKR

In-wall box for Koro speakers

Steel sheet in-wall box for Koro acoustic speakers.
Dimensions: outside H270x W270 x D75 mm
Weight: 1,5 Kg

TU CFLG

In-wall box for Logico speakers

Steel sheet in-wall box for Logico acoustic speakers.

Dimensions: outside H270 x W270 x D75 mm
Weight: 1,5 Kg

OH CFAVSP

In-wall box for AVS200 subwoofers

Steel sheet in-wall box for AVS 200 acoustic speakers.

Dimensions: outside H545 x W535 x D90 mm
Weight: 7,3 Kg

TU SOV500

Adjustable wall bracket for Sydney.

Adjustable indoor wall bracket for Sydney speaker with three-piece articulated joint, adjustable vertically and horizontally.
Complete with fixing screws.

Colours:
SOV500B: white
SOV500N: black
SOV500MC: chrome Metal
SOV500EXB: white (outdoor use)

OH AVS36WB

Net for AVS200 subwoofers

White net for AVS 200 acoustic speakers.

Dimensions: outside H479 x W330 mm
Weight: 0,4 Kg

TU SCH.HTA

Switching card for HT speakers, 4x8 W, 24 V dc

Device for switching 4 loudspeakers in a Home Theatre system (2 front and 2 rear), from the multichannel amplifier to the active multiroom system.
Input with 8 terminals for the multichannel amplifier (R and L front outputs, R and L rear outputs), input with 4 terminals (R, L, +, -) for the active multiroom system, output with 8 terminals for 4 loudspeakers with a rated impedance of 8 Ohm. Built-in 4x8 W rms amplifiers, 24 V dc power supply.

RUBELLI FABRICS VENICE

For recessed speakers series“Di Venezia”, special fabrics produced by the famous venetian firm Rubelli are available. It includes classical and modern collections in the venetian style, conceived by the best designers in the world.

Lenora

Avorio

Madreperla

Beige

Tortora

Argilla

Bronzo

Ebano

Rubino

Porpora

Argento

Oro

Salvia

Acqua

Pavone

Gritti

Avorio

Argento

Grigio

Legno di Rosa

Oro

Ametista

Rosa

Piombo

Acqua

Corallo

Reseda

Matisse

Calce

Corda

Anice

Alga

Ruggine

Mari del Sud

Avorio

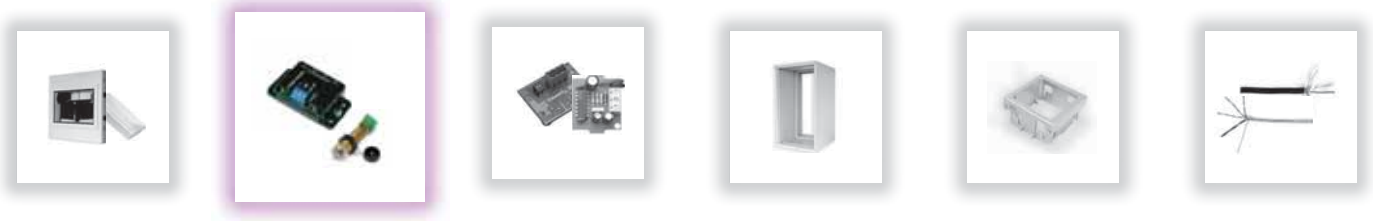
Pietra

Miele

Antracite

IR TRANSMITTER AND RECEIVER

Infrared interfaces allow the user to access the sound sources located in other rooms using infrared remote controls.



◦ RIR in-wall IR receiver
TU RIR

In-wall IR receiver

IR receiver for the remote transmission of IR signals. Metal cylindrical housing for shielding against interference; reduced dimension and easy to install.

Features:
- Reception distance 8÷13 m:
- Maximum reception angle 130°;
- IR reception status LED;
- Three terminals for power supply and IR signal transmission connections;
- Lenses: transparent and black;
- Interference suppression system.

Dimensions: D 62 mm
External diameter: 19 mm
Flush mount diameter: 12.5 mm
Note: Even though the system is equipped with an interference suppression circuit, it must be installed far from electrical interference (shielded cables are recommended) and light sources (special lamps, sun, TV). In order to increase the shielding, the box should be connected to the earth. Even the system could reproduce the most common IR frequencies, some IR codes may not be fully compatibles.

◦ Infrared transmitter
TU TIR1

IR transmitter with 3,5 mm Jack plug

IR probe, 3 m cable with 3,5 mm jack plug.
Dimensions: H9 x W15 x D8 mm. Weight: 17 gr

◦ BIR infrared management box and power supply TU BIR

Receiver/transmitter box 4-way for IR repeaters

The device receives the IR signal coming from a network of IR receivers. The system can supply more IRreceivers connected in parallel.
The product includes a 230 Vac power supply.

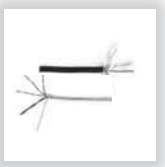
Main features:
- Three-terminals for power supply and
  IR signal reception connections.
- IR reception status LED.
- 4 x 3.5 jacks outputs for TIR1 IR microtransmitters.
- Interference suppression circuit.

Dimensions: H80 x L45 x D22 mm

Note: Even though the system is equipped with an interference suppression circuit, it must be installed far from electrical interference (shielded cables are recommended) and light sources (special lamps, sun, TV). In order to increase the shielding, the box should be connected to the earth. Even the system could reproduce the most common IR
frequencies, some IR codes may not be fully compatibles.

CARDS AND DEVICES

The amplifier boards and buffers are active and passive accessories for different requirements in the set-up of Tutondo Multiroom Audio-Video Systems.



TU DATS

Buffer for 12 Vpp active lines, 2 balanced inputs 1 Vrms, 2 outputs 12 Vpp

Audio buffer, signal translator from 1Vrms to 12Vpp, balanced inputs with insulation transformers, low-impedance outputs.

Power supply 24 V dc.

TU ST503

3 W, 24 V dc, standard active amplifier board

3 W, 24 V dc, standard active amplifier board, audio signal input 12 Vpp; for 8 Ohm loudspeakers.
Features:
Power: 3 W, 24 V dc stabilized power supply.
Audio signal input max 12 Vpp.
Total harmonic distortion less than 0.1% at 1kHz.
Frequency response 60 Hz - 20,000 Hz.
Input impedance: 27 Kohm.
Weight: 12 gr.

TU ST508B

Amplifier card 8 W, 24 V dc, for 8 Ohm impedance speakers

Amplifier card 8 W, 24 V dc, for 8 Ohm impedance speakers, audio signal input 12 Vpp.
Main features:
Power: 8 Wrms. Power supply: 24 V dc stabilized.
Audio signal input: max 12 Vpp.
Total harmonic distortion: less than 0.1% at 1 kHz.
Frequency response: 60 Hz - 20,000 Hz.
Input impedance: 27 Kohm.
Weight: 21 gr.

TU ST530

Amplifier card 30 W, 24 V dc for 6-8 Ohm impedance speakers

Amplifier card 30 W, 24 V dc for 6-8 ohm impedance speakers, audio signal input 12 Vpp.
Main features:
Power: 30 W rms, class D high efficiency, with power selector 30-20-10 W, power supply: 24 VDC stabilized.
Audio signal input: max 12 Vpp.
Total harmonic distortion: less than 0.1% at 1 kHz.
Frequency response: 30 Hz - 20,000 Hz.
Input impedance: 6,4 Kohm (30 W), 9 Kohm (20 W), 13 Kohm (10 W).
Weight: 21 gr.

TU ST503AUX

Amplifier card 3 W/8 Ohm, 1 V input sensitivity, 24 V dc

Same features as ST503 except for:
1 V input sensitivity

TU ST508BAUX

Amplifier card 8 W/8 Ohm, 1V input sensitivity, 24 V dc

Same features as ST508B except for:
1 V input sensitivity

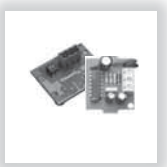
TU ST530AUX

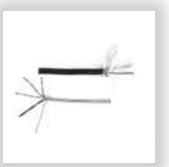
Amplifier card 30 W/6 Ohm, 1 V input sensitivity, 24 V dc

Same features as ST530 except for:
1 V input sensitivity

RACKS AND ACCESSORIES

Supports and rack cabinets are used to mount or house the various devices of a multiroom system, particularly in installations where there are a large number of rooms.





◦ JL SVS...

Video projector support

Colour: metallic gray.
Max 10 Kg.

SVS150 A 150 mm
SVS600 A 600 mm
SVS1100 A 1100mm

◦ TU MRKG...

19" standard rack cabinets

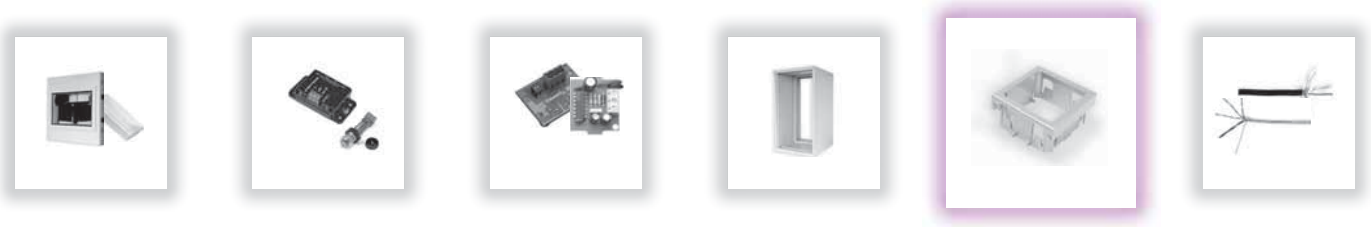
19" standard rack cabinet made of pregalvanized oven-cured epoxy painted sheet metal.
Sturdy, folded sheet metal structure reinforced on the inside with 8 molded "U"-shaped elements closed to form a ring.
Double set of rack-standard holes on the vertical elements for fixing equipment, blank panels, rack slides and shelves with caged retainer nuts.
The cabinets are supplied complete with a bottom panel.

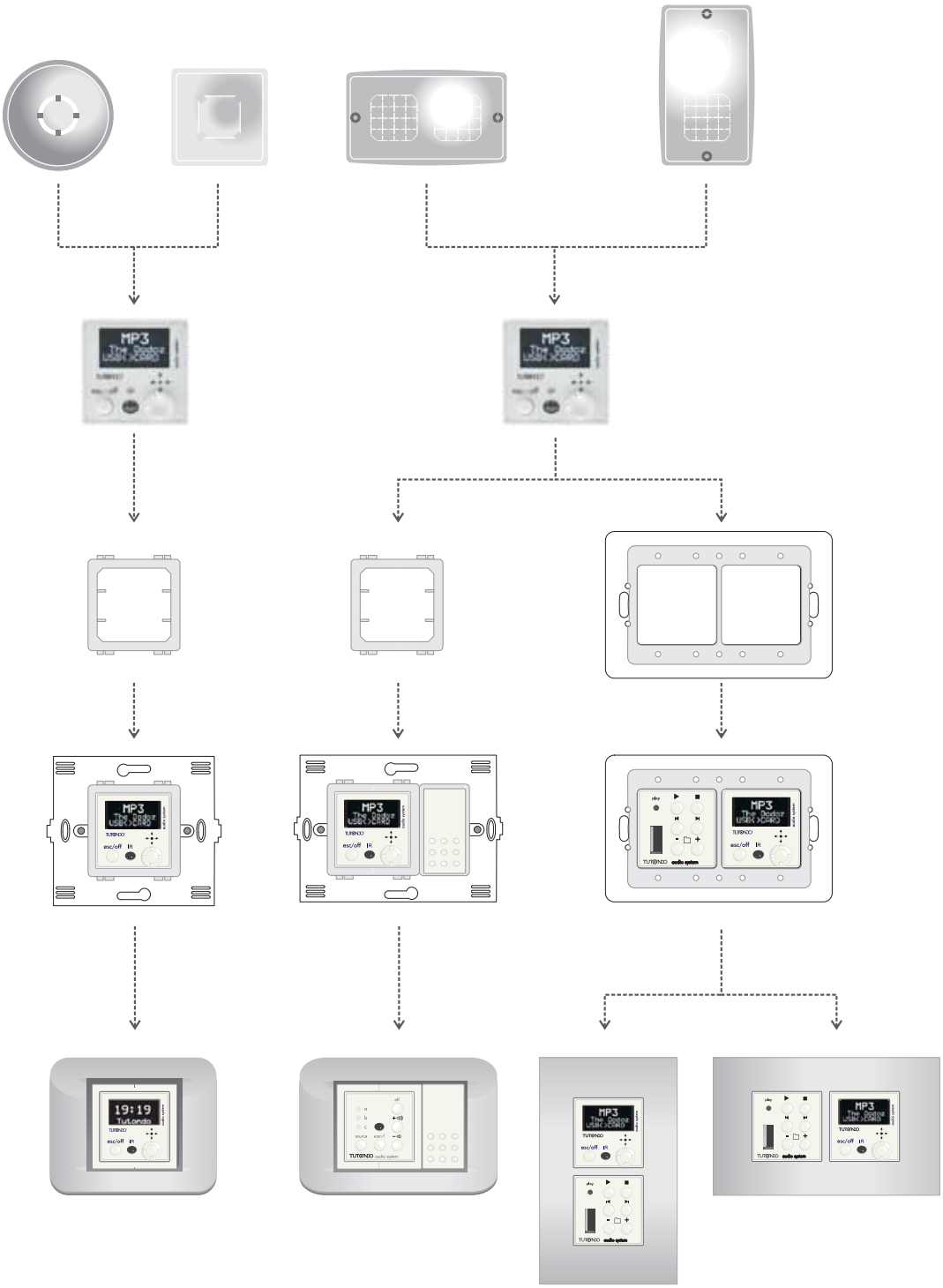
Colour : gray RAL 7035

MRKG10U H 506 x W 530 x D 600 mm
MRKG20U H 950 x W 530 x D 600 mm
MRKG30U H 1395 x W 530 x D 600 mm
MRK40U H 1849 x W 530 x D 526 mm

CONTROL ADAPTERS

The adaptors for Tutondo wall-mounted controls enable modules and controls to be mounted according to the various standards in electrical and home automation systems.





TU AC...

AC10AN Adapter for control unit for in wall mounting series: Anthracite grey for Tic. Axolute. Biticino Etèris.
Weight: 7 gr.

AC10B Adapter for control unit for in wall mounting series: White for Leg. Mos. Vela - Vimar. Eikon - NEA Simon - Urmet e Cros .
Weight: 8,4 gr.

AC10BA Adapter for control unit for in wall mounting series: White for Tic. Axolute Biticino Etèris.
Weight: 8,4 gr.

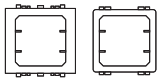
AC10MC Adapter for control unit for in wall mounting series: Metal Cromo (silver) for Tic. Axolute. Biticino Etèris.
Weight: 8,4 gr.

AC10MCV Adapter for control unit for in wall mounting series: Metal Cromo (silver) for Vimar Eikon.
Weight: 8,4 gr.

AC10N Adapter for control unit for in wall mounting series: Anthracite grey for Leg. Vela - Vimar Eikon - NEA Simon - Urmet.
Weight: 8,4 gr.

AC11N Adapter for control unit for in wall mounting series: Anthracite grey for Tic. Living.
Weight: 14 gr.

AC12AB Adapter for control unit for in wall mounting series: White for Av. Banquise.
Weight: 13 gr.



AC12B Adapter for control unit for in wall mounting series: White for Tic. Living.Light - Living.LightAir - Siem. Delta Fut. Graf. - Gew. Play Bus - Vim. Idea - ABB Elos - Master Mix e Modo - Eutech.
Weight: 13 gr.

AC12MC Adapter for control unit for in wall mounting series: Metal Cromo (silver) for Tic. Light Tech -Tic. Living.Light - Living.LightAir Master Mix e Modo - Eutech.
Weight: 13 gr.

AC12MCV Adapter for control unit for in wall mounting series: Metal Cromo (silver) for Vimar Idea.
Weight: 13 gr.

AC12N Adapter for control unit for in wall mounting series: Anthracite grey for Tic. Living.Light - Living. LightAir.- Siem. Delta Fut. Graf. - Gew. Play Bus - Vim. Idea - Av. Sistema 45 - ABB Elos - Master Mix e Modo - Eutech. Weight: 13 gr.

AC13B Adapter for control unit for in wall mounting series: White for Vim. Plan.
Weight: 11 gr.

AC13MCV Adapter for control unit for in wall mounting series:
Metal Cromo (silver) for Vim. Plan. Weight: 11 gr.

AC14B Adapter for control unit for in wall mounting series: White for Tic. Matix.
Weight: 13 gr.

AC15B Adapter for control unit for in wall mounting series: White for Edizio - Feller.
Weight: 67 gr.

AC16B Adapter for control unit for in wall mounting series: White for Berker/Gira.
Weight: 70 gr.

AC16MC Adapter for control unit for in wall mounting series: Chrome metal for Berker/Gira.
Weight: 70 gr.

AC16N Adapter for control unit for in wall mounting series: Black for Berker/Gira.
Weight: 70 gr.

AC17B Adapter for control unit for in wall mounting series: White for Jung white.
Weight: 73,2 gr.

AC18B Adapter for control unit for in wall mounting series: White for Ave S44 - Domus 100 - Liv.
Weight: 9,6 gr.

AC18MC Adapter for control unit for in wall mounting series: Chrome metal for Ave S44 Allumia.
Weight: 9,6 gr.

AC18N Adapter for control unit for in wall mounting series: Black for Ave S44 - Domus 100 - Liv.
Weight: 9,6 gr.

AC19AC Adapter for control unit for in wall mounting series: Steel for Eclettis.
Weight: 42,3 gr.

AC20B Adapter for control unit for in wall mounting series: White for Gewiss Chorus.
Weight: 8,1 gr.

AC20MC Adapter for control unit for in wall mounting series: Chrome metal for Gewiss Chorus.
Weight: 8,1 gr.

AC20N Adapter for control unit for in wall mounting series: Black for Gewiss Chorus.
Weight: 8,1 gr.

AC21AC Adapter for control unit for in wall mounting series: Metal inox for Mert. Artec.
Weight: 93,1 gr.

AC22B Adapter for control unit for in wall mounting series: White for Jun. AS500.
Weight: 59,1 gr.

AC23B Adapter for control unit for in wall mounting series: White for Berk. S1.
Weight: 77,6 gr.

AC23N Adapter for control unit for in wall mounting series: Black for Berk. S1.
Weight: 77,6 gr.

AC24B Adapter for control unit for in wall mounting series: White for Legr. Galea.
Weight: 77,6 gr.

AC24AN Adapter for control unit for in wall mounting series: Anthracite grey for Legr. Galea.
Weight: 77,6 gr.

AC25MC Adapter for control unit for in wall mounting series: Chrome metal for Sung a Creation.
Weight: 77,6 gr.

AC26B Adapter for control unit for in wall mounting series: White for Schneider Zencelo.
Weight: 77,6 gr.

AC27B Adapter for control unit for in wall mounting series: White for Jung LS990, FD-Design.
Weight: 77 gr.

AC27N Adapter for control unit for in wall mounting series: Black for Jung LS990, FD-Design.
Weight: 77 gr.

AC27AC Adapter for control unit for in wall mounting series: Metal Inox for Jung LS990, FD-Design.
Weight: 77 gr.

AC27MC Adapter for control unit for in wall mounting series: Chrome metal for Jung LS990, FD-Design.
Weight: 77 gr.

AC28B Adapter for control unit for in wall mounting series: White for Merten M.
Weight: 77 gr.

AC29B Adapter for control unit for in wall mounting series: White for Jung LSP981ES-LIT.
Weight: 77 gr.

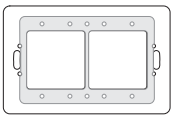
AC30B Adapter for control unit for in wall mounting series: White for Berker Q.
Weight: 77 gr.

AC30N Adapter for control unit for in wall mounting series: Black for Berker Q.
Weight: 77 gr.

AC31B Adapter for control unit for in wall mounting series: White for Berker L.
Weight: 77 gr.

AC31N Adapter for control unit for in wall mounting series: Black for Berker L.
Weight: 77 gr.

MODIFICA COM
Customization to different series of plates, please specify series and colours.



S2M503 Adapter for two module on 503 box

PP2M... Plastic cover for S2M503 adapter. Available in white (PP2MB), black (PP2MN), chrome metal (PP2MC).

PA2M... Aluminum cover for S2M503 adapter. Available in white (PA2MB), black (PA2MN), steel (PA2AC).

AUDIO / VIDEO CABLES

Series of shielded cables for connection of the multiroom systems (see technical chapter, diagrams section, for types and modes)

TU CSVC

Separate Video shielded cable

Separate Video (S-Video) shielded cable, 100 m.
Diameter: 7,5 mm
Weight: 6,9 Kg/100 m

TU C2SM

Shielded 2x0,35 mm microphone cable

Shielded 2x0,35 mm twisted pair microphone cable, 100 m.
Diameter: 5,6 mm
Weight: 4,6 Kg/100 m

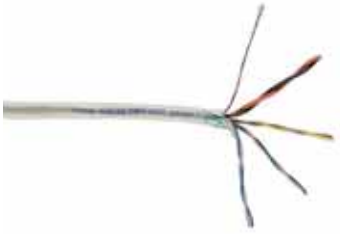
TU C6TST

Shielded 4X0,22+2x0,5 mm,
audio cable, for “active” line

Shielded 4X0,22+2x0,5 mm, twisted pair cable, for “active” audio lines, 100 m.

Diameter: 6 mm
Weight: 4,1 Kg/100 m

TU C8TST



Shielded 6X0,22+2x0,75 mm, audio cable for “active” line

Shielded 6X0,22+2x0,75 mm, twisted pair audio cable, for “active” audio lines, 100 m.

Diameter: 7 mm
Weight: 5,5 Kg/100 m

TU C2TSX

Shielded 2x0,75 mm, audio cable, for “active” line

Shielded 2x0,75 mm, twisted pair audio cable, for “active” audio lines, 100 m.

TU C3TSX

Shielded 3x0,75 mm, audio cable, for “active” line

Shielded 3x0,75 mm, twisted pair audio cable, for “active” audio lines, 100 m.

TU C2T15

Shielded twisted NPI 2x1,5 mm

Schielded NPI 2x1,5 mm twisted for audio systems,100 m.

SYSTEM/PRODUCT COMPATIBILITY TABLE

Table of product compatibility with digital and analogue systems

Systems	home automation		zone controls					active microphones	
	Smart Phone	Ethernet RS232	CZ830	CZ83	CZ3532	CZ2512	CZ2532	MC1NT	MC1501
Mondo TA									
- Control room	M	M	M	M	M				
- Local program									
- Central program									
- Headphone socket									
Mondo TAV									
- Pre-recorded warning messages									
- Microphones								M	M
Virtuoso I									
- Control room					V	V	V		
- Local program									
- Headphone socket									
Virtuoso II									
- Control room					V	V	V		
- Local program									
- Central program									
- Headphone socket									
- Pre-recorded warning messages									
- Microphones									V

audio sources

S2R2UT TRCD3T TRCD3C DAR91

active USB reader

MUSB

bluetooth aux in

active FM tuner

TR502

active input

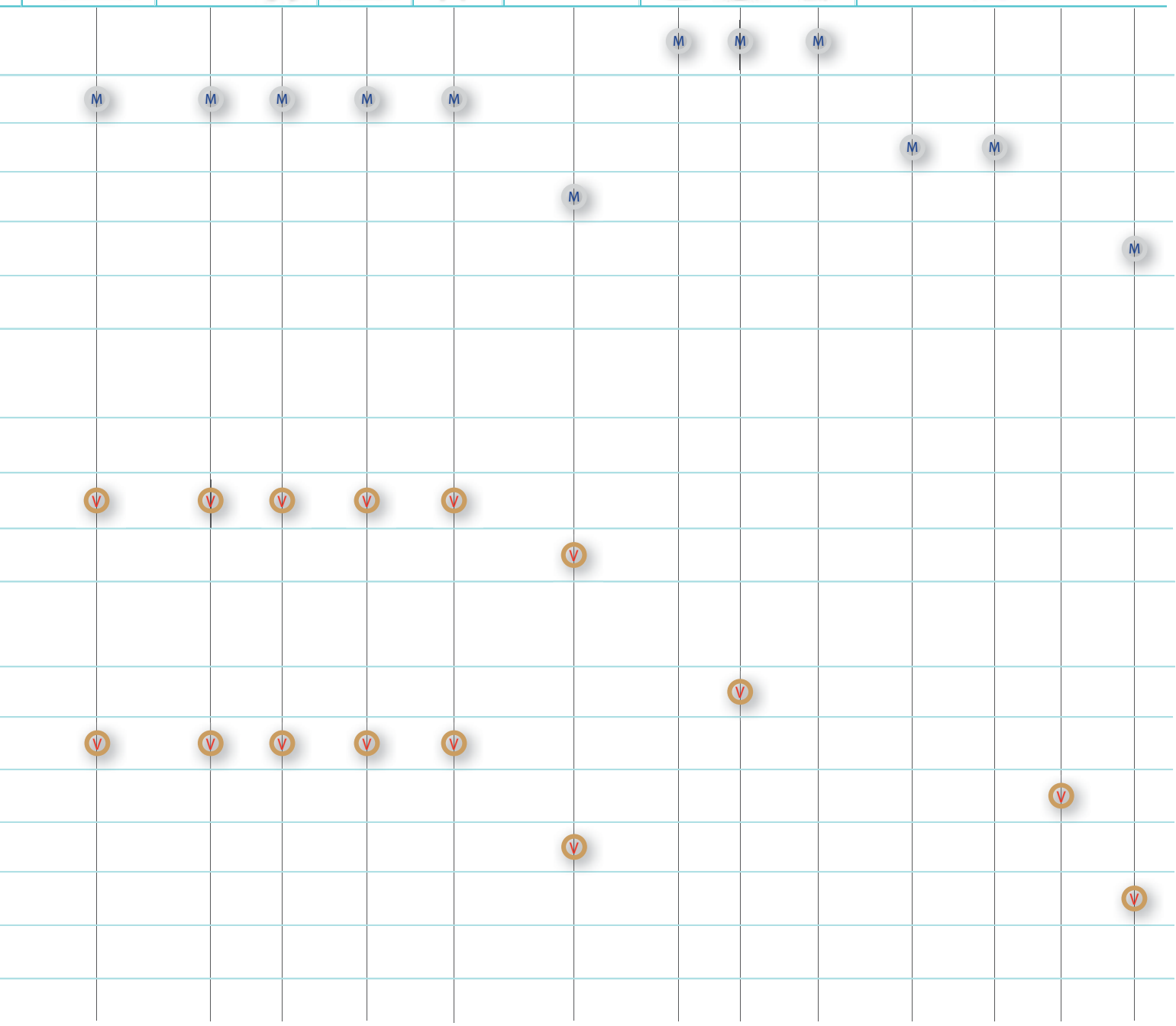
PINJ3K

headphone sockets

PC1502

remote controls

RC83 RC8300 RC83R



MONDO SYSTEMS

Home automation and intelligent home solutions demand a sound system accessible from every room for music, news and voice alarm messages.

At home, as you move from one room to another, you can carry on listening to your favorite audio program, your latest files, CD or DVD, the language lessons on the PC, the satellite receiver, an audio streaming.
Central units have many inputs and outputs that are capable to satisfy you at any time.

1. Mondo system with MTA816 central unit for the management of 8 shared stereo Hi-Fi programs and 1 private audio program for each room.
Synchronization for HDMI video matrices.
Stereo outputs for 6 rooms, expandable to 48, for active or passive speakers.
With touch screen front panel and oled display.
The Mondo MTAE816 expansion unit allows the audio to be expanded to 6 rooms per unit up to a maximum of 48 rooms.
The Mondo central unit is also available in the MTA816S version with the same functional characteristics as the
Mondo MTA816 central unit, but without the oled display front panel. It is expandable with the corresponding MTAE816S expansion units.

2. Mondo System with MTV816C central unit for the management of 8 audio stereo Hi-Fi programs, CVBS composite video and 1 private audio program for each room.
Synchronization for HDMI video matrices.
Stereo outputs for 6 rooms, expandable to 48, for active or passive speakers.
With touch screen front panel oled display.
The Mondo MTVE816C expansion unit allows the audio and video to be expanded to 6 rooms per unit up to a maximum of 48 rooms.

VIRTUOSO SYSTEMS

The Virtuoso is a simple and modular system for multiroom stereo Hi-Fi sound management.
It is designed to operate with both in-wall and wall-mounted active speakers with incorporated amplifiers, installed in the rooms of the house. There are two versions of the Virtuoso System.

1.The expandable Virtuoso I system without a central unit has 3 programs and allows the listening from one to three rooms. A basic system without a central unit manages the sound amplification through in-wall controls, installed in the rooms, with the possibility of listening to 3 programs selected from local audio sources such as a tuner, PC, USB port and / or streamed from a smartphone or tablet via Bluetooth.
Virtuoso I system works with active speakers.

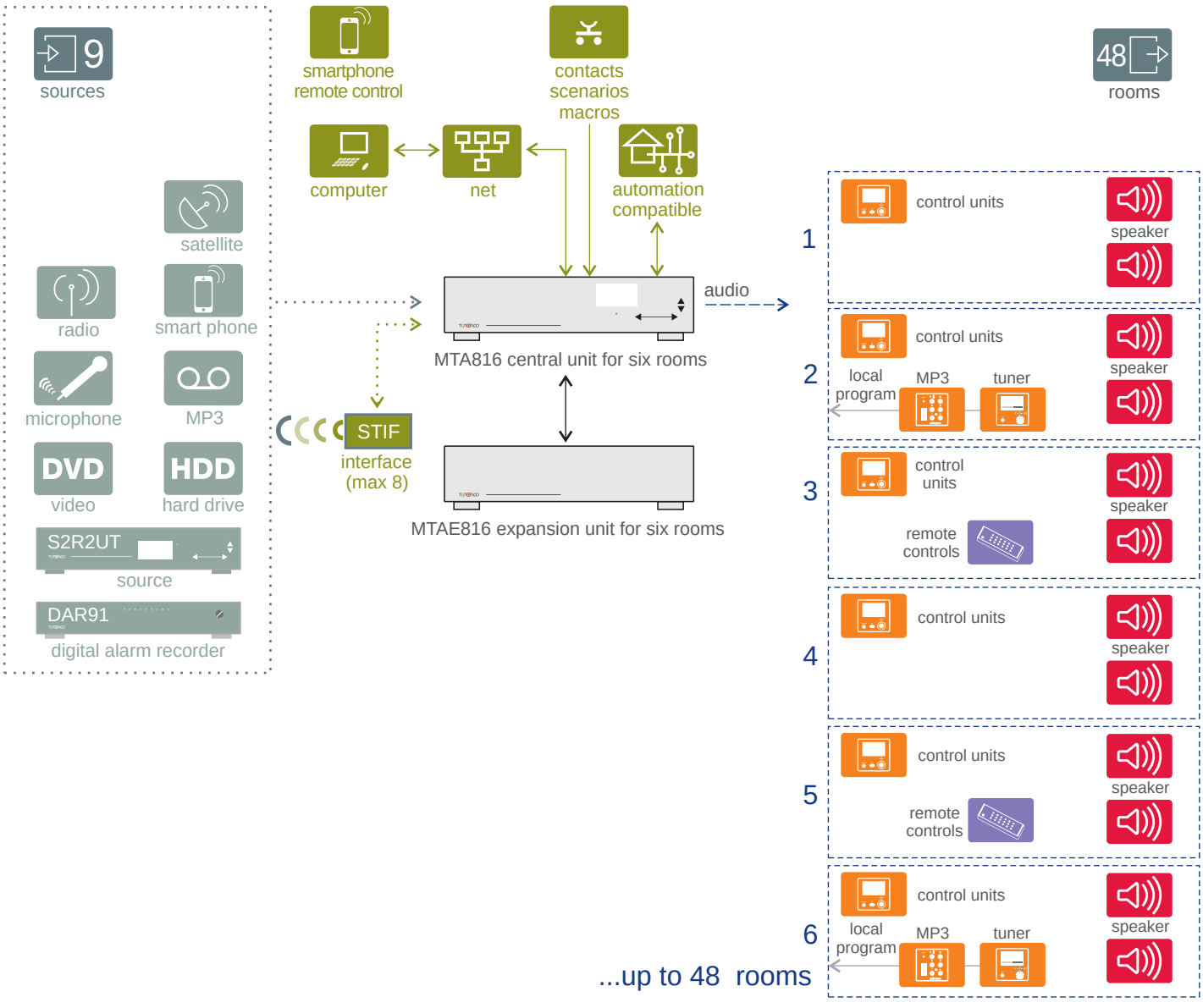
2. The expandable Virtuoso II system with the RD2502N central unit for use from 1 to 10 rooms, with 2 shared Hi-Fi stereo programs and 1 private program for each room. It is possible to send priority voice messages directly using prioritary microphone modules. It operates with active speakers with incorporated amplifiers.

ACTIVE SYSTEM AUDIO WITH MONDO TA MATRIX

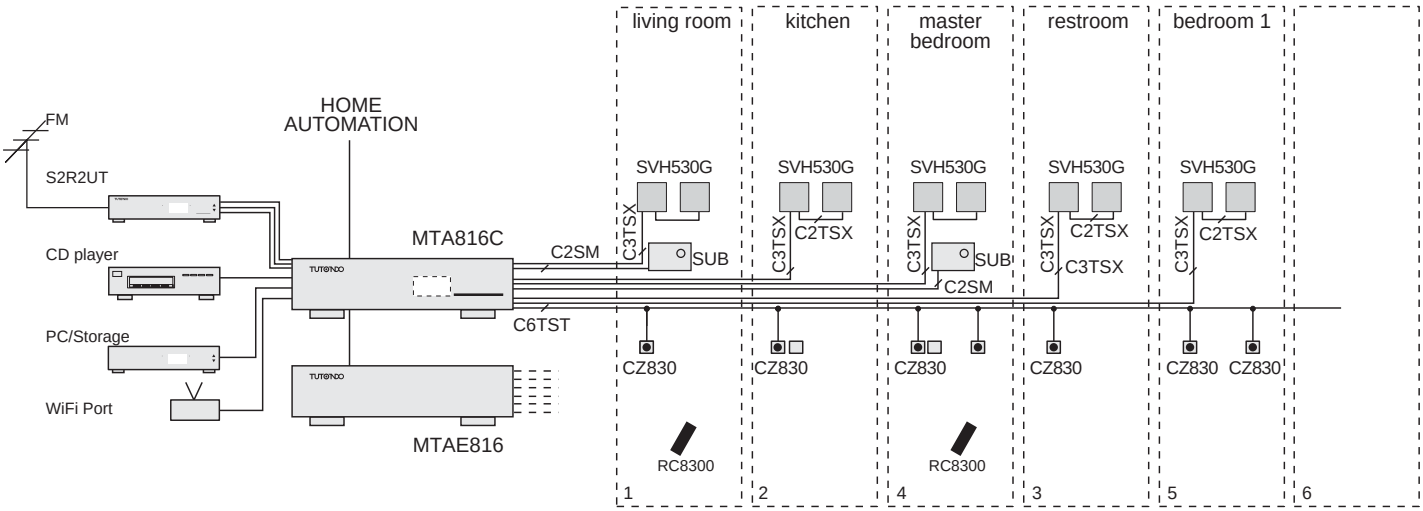
The TUTONDO MONDO TA system is the most modern and advanced solution for broadcasting sound around your home. With its remote and multiroom in-wall control units, it is exceptionally practical to use.

It can control up to 9 sound sources (CD, DVD, HDD, Tuner,
VCR, Satellite Receiver, PC, etc.) and broadcast the sound to up to 48 rooms. At the same time, the volume, bass and treble and the choice of radio station or CD, view RDS radio information and the name of an MP3 file can all be handled from each room.
Other functions can be added to further extend the system`s functionality and flexibility.

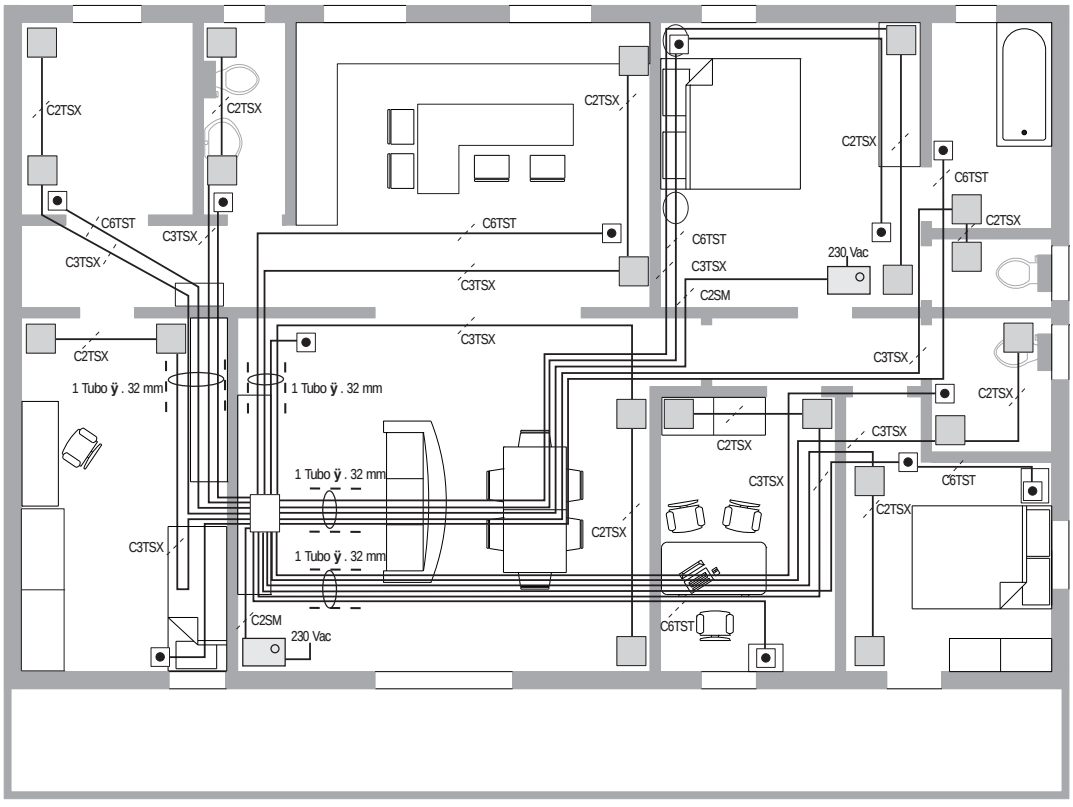
Block diagram of the system with 6 rooms expandable up to 48



MONDO AUDIO WIRING DIAGRAM



Active speaker	C8TST : wire (6x0,22 mmq + 2x0,75mmq)S
Audio control unit	C6TST : wire (4x0,22 mmq + 2x0,5mmq)S
Electric box	C3TSX : wire (3x0,75 mmq)S
Amplified subwoofer	C2TSX : wire (2x0,75)S



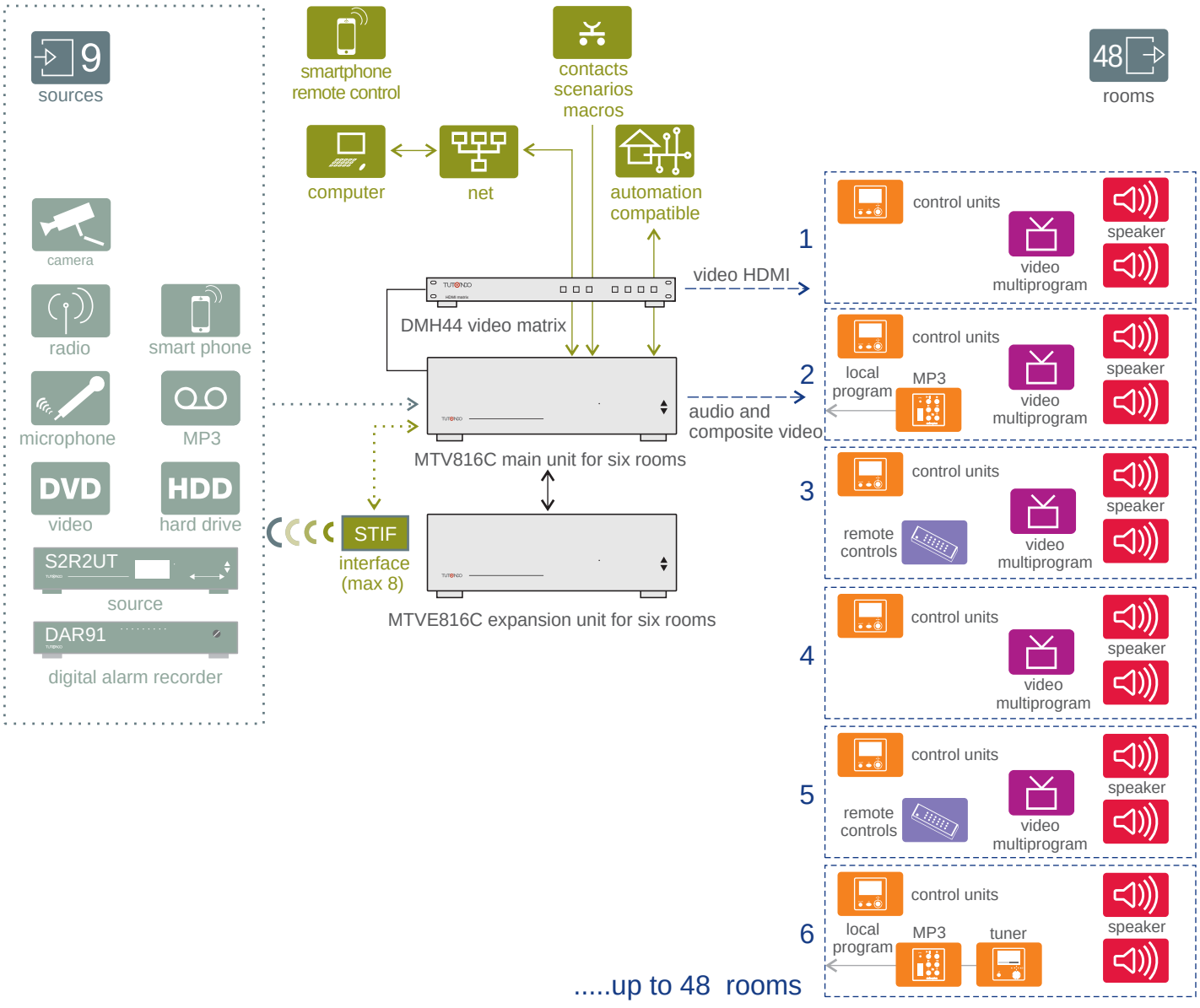
MONDO AUDIO-VIDEO SYSTEM

TODAY, THE MONDO TAV MULTIROOM SYSTEM CAN MAKE YOUR DREAMS COME TRUE...

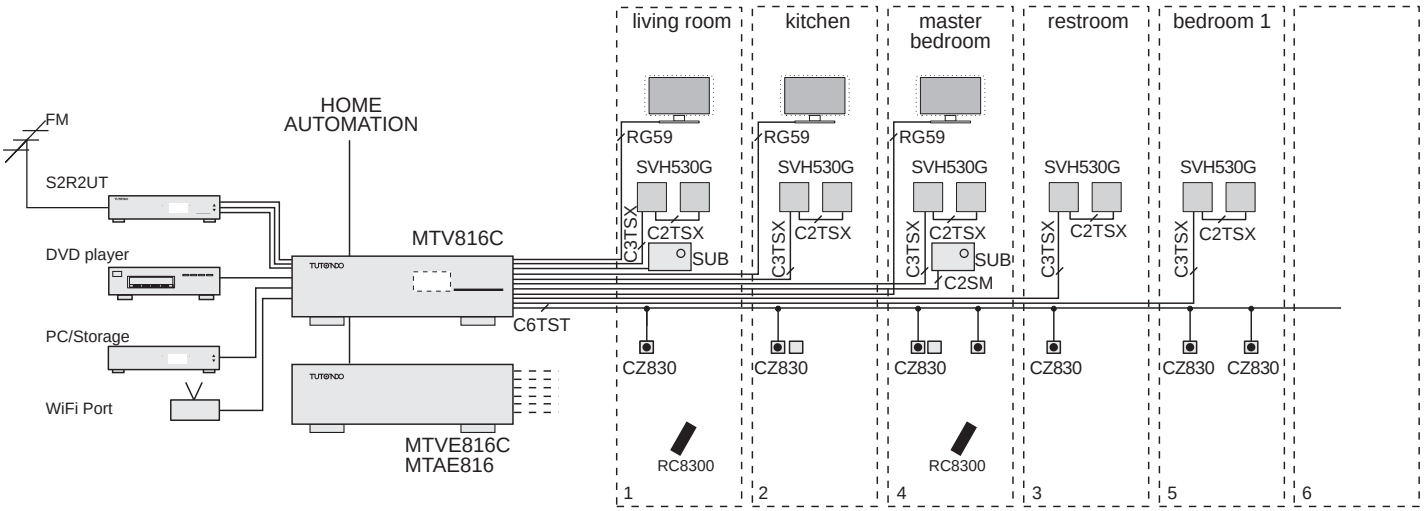
Choose up to 9 sound sources
Viewing and listening to your favorite programs becomes very straightforward. The MONDO TAV system enables you to choose remotely from 8 video/audio sources such as a DVD, HHD, CD player, MP3 reader, tuner, satellite receiver and so on, from anywhere around your home, so that you can always watch and listen to your favorite program, as well as having a strictly personal local audio program of course. Any time, any place, you can have up to 48 rooms receiving a tiptop sound quality.

Control from anywhere
Every room in your home can be fitted with video and audio output controls, contained in wall plates that are perfectly compatible with the best quality ranges of electric switches. Or you can use practical remote controls to turn on/off, select and enable the source you want, find a disc or your favorite radio station, and adjust the volume.
You can schedule to switch off the sound automatically or establish what time you want to be woken up by your favorite music or video.

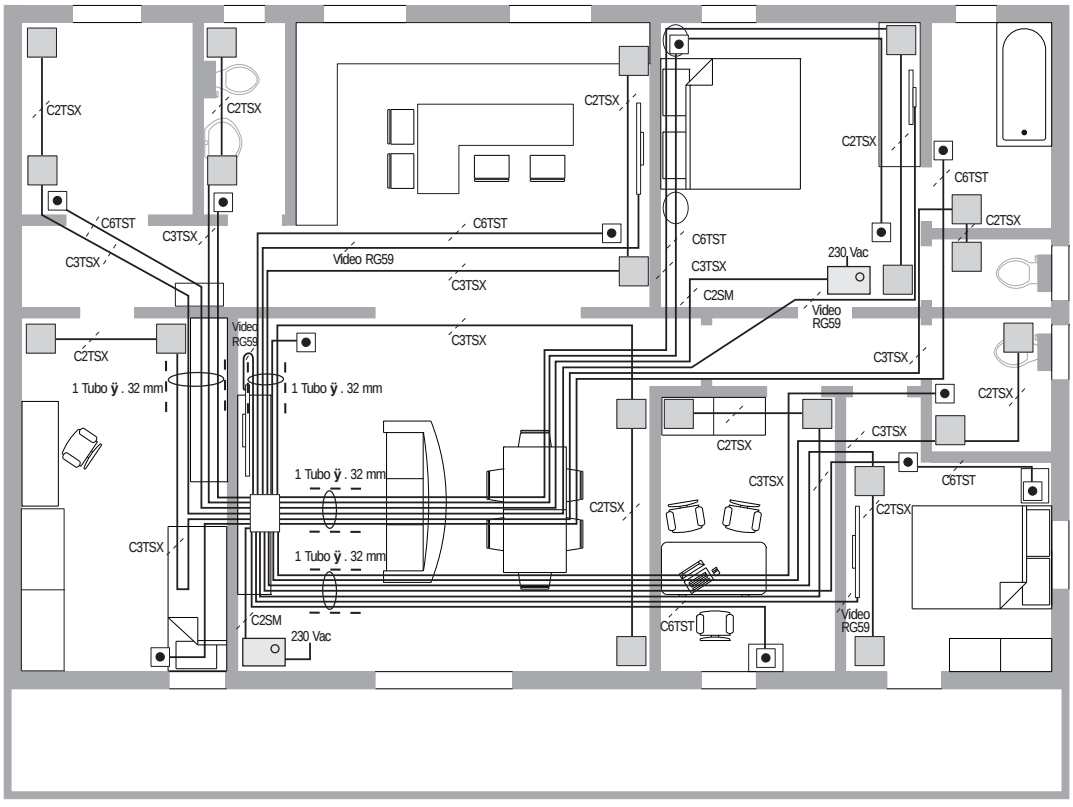
Block diagram of the system with 6 rooms expandable up to 48



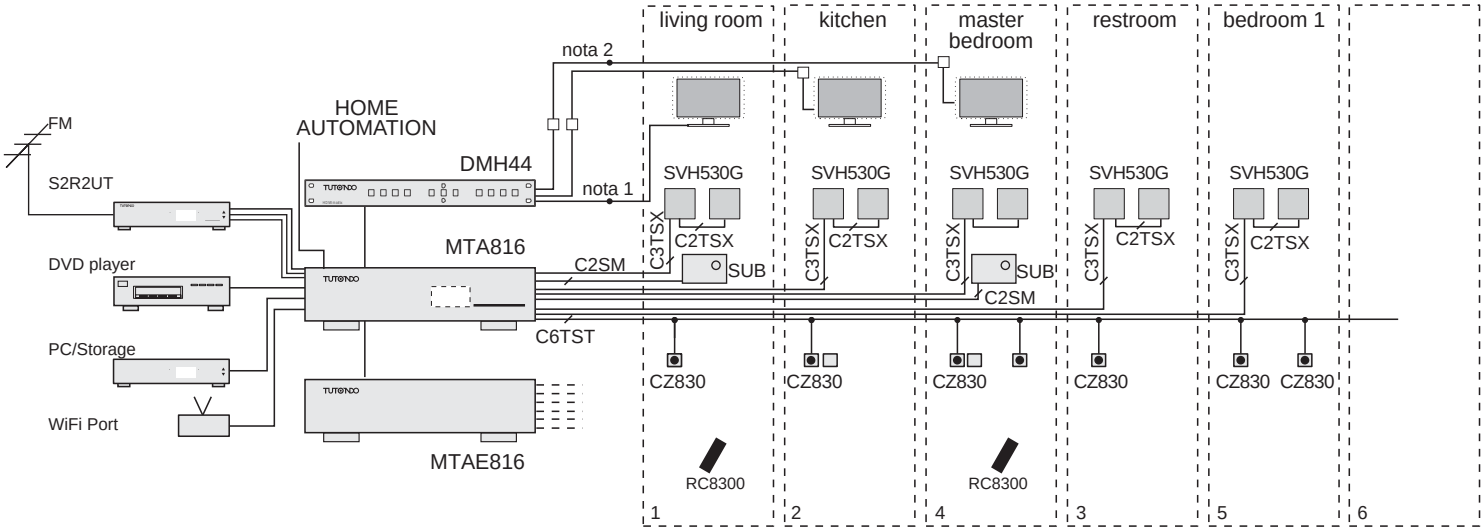
MONDO AUDIO-VIDEO WIRING DIAGRAM



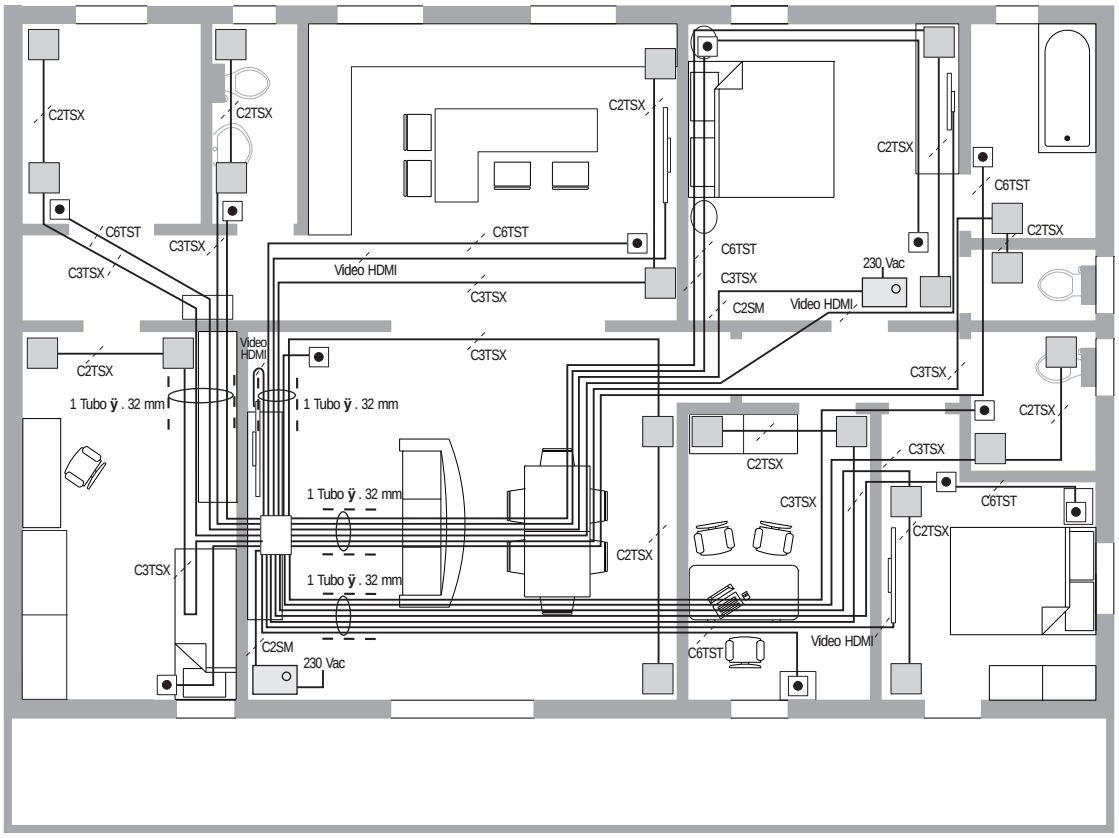
Active speaker	C8TST : wire (6x0,22 mmq + 2x0,75mmq)S
Audio control unit	C6TST : wire (4x0,22 mmq + 2x0,5mmq)S
Electric box	C3TSX : wire (3x0,75 mmq)S
Amplified subwoofer	C2TSX : wire (2x0,75)S



MONDO AUDIO-VIDEO HDMI WIRING DIAGRAM



	Active speaker	C8TST : wire (6x0,22 mmq + 2x0,75mmq)S
	Audio control unit	C6TST : wire (4x0,22 mmq + 2x0,5mmq)S
	Electric box	C3TSX : wire (3x0,75 mmq)S
	Amplified subwoofer	C2TSX : wire (2x0,75)S



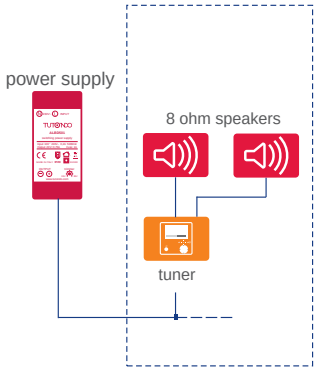
VIRTUOSO I AUDIO SYSTEM

VIRTUOSO SYSTEM WITHOUT CONTROL UNIT, WITH 3 LOCAL PROGRAMS

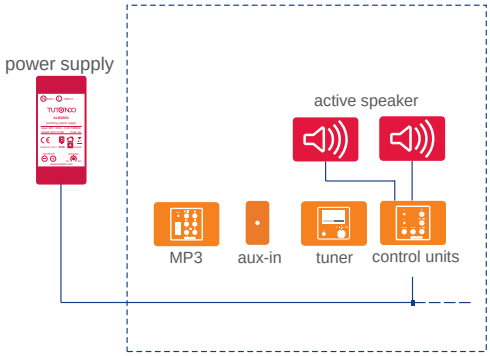
The expandable Virtuoso System without a central unit has 3 programs and allows listening in one to three rooms, 3 private Hi-Fi programs, which can also be listened to in other rooms.
Virtuoso I system works with active speakers.

Block diagram of the system with Virtuoso I

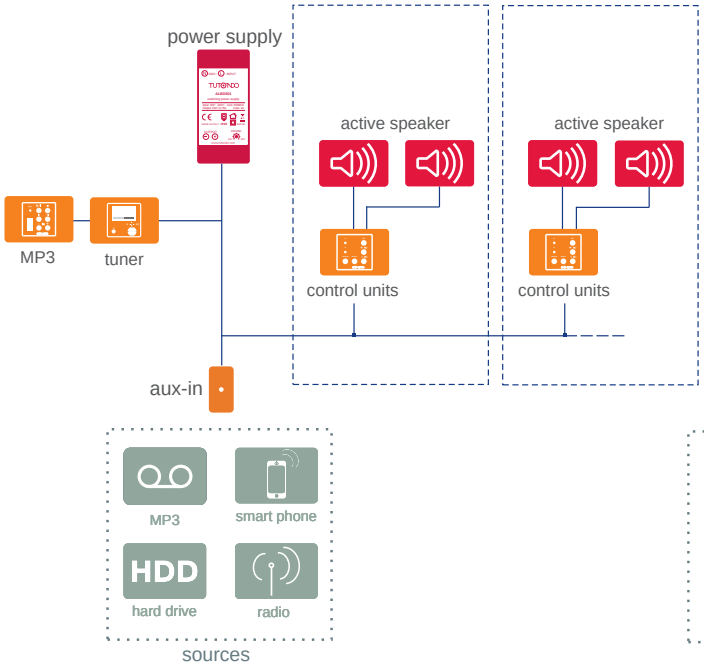
Independent system 1 stereo program



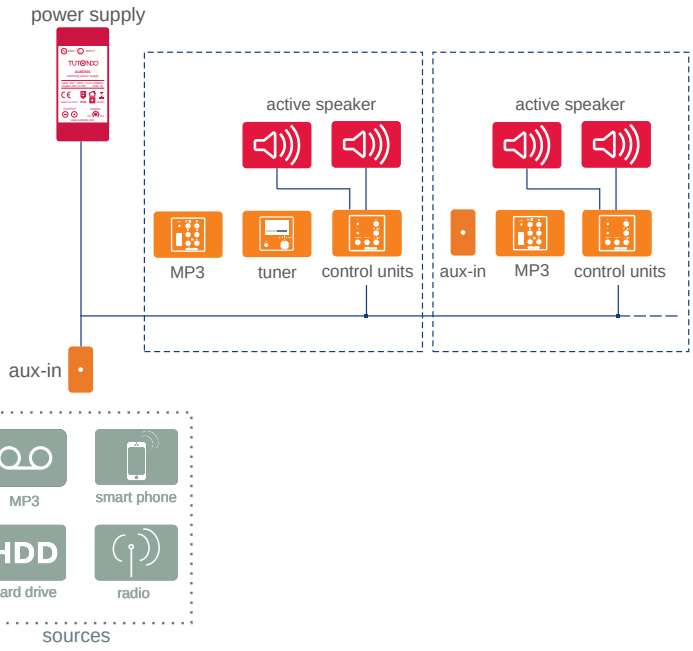
Independent system, up to 3 stereo programs



Multiroom stereo/mono system 2 centralized programs



Multiroom stereo/mono system 1 centralized program and 2 local programs

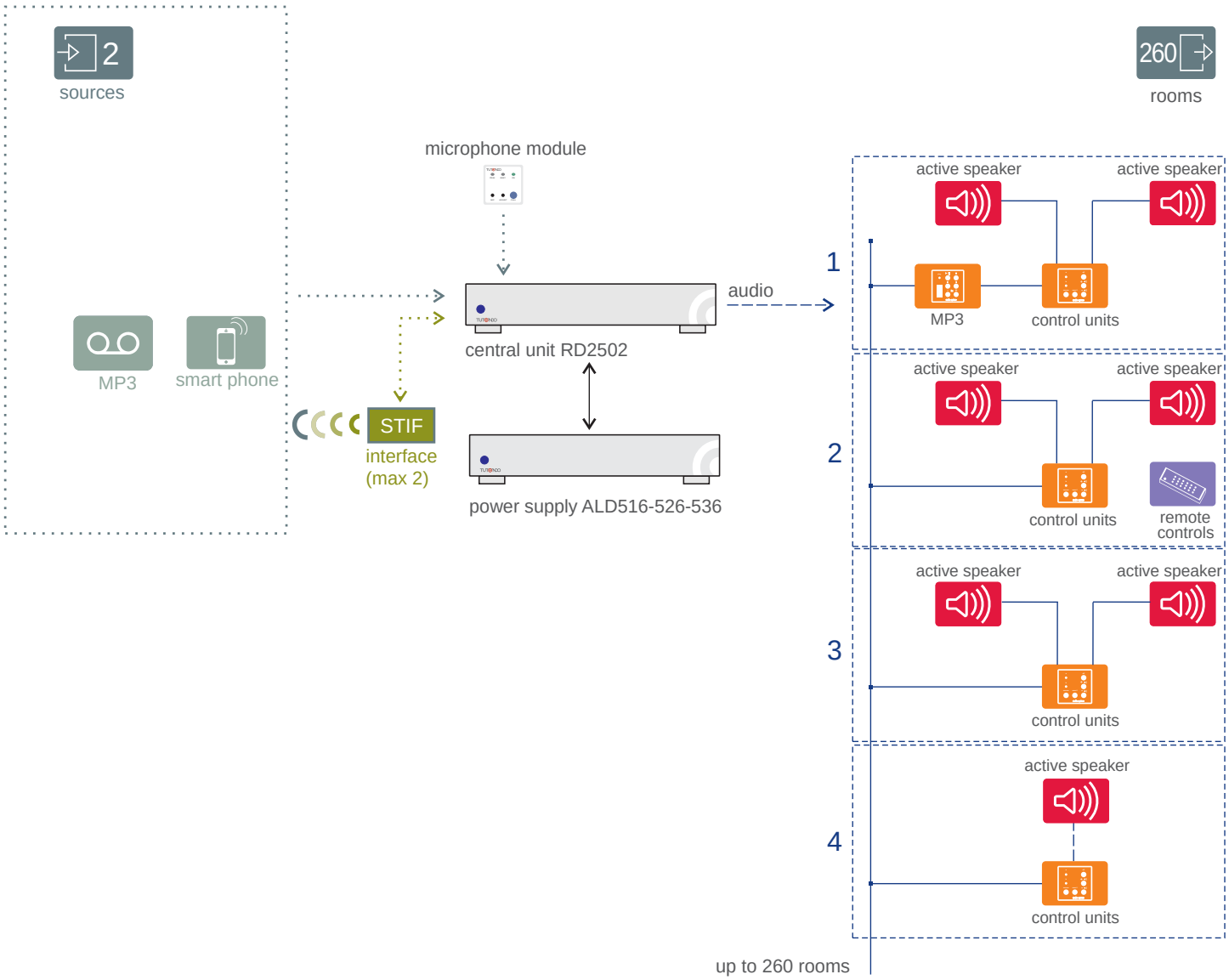


VIRTUOSO II AUDIO SYSTEM

VIRTUOSO SYSTEM WITH CENTRAL UNIT, 1 SHARED PROGRAM AND 2 PRIVATE PROGRAMS

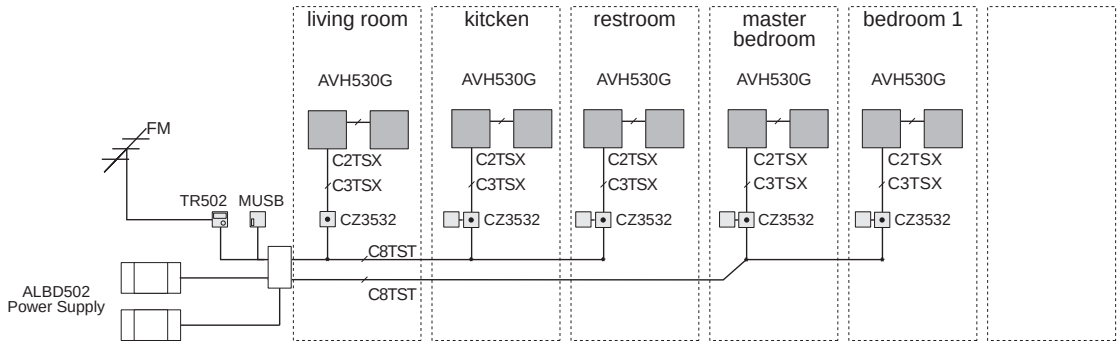
Expandable system with RD2502N central unit for listening in 1 to 10 rooms, with 2 shared Stereo Hi-Fi programs and 1 local private program for each room.
It is possible to send priority microphone messages directly.
It operates with active speakers and an incorporated amplifier.
Through zone controllers, it is possible to adjust the volume, turn the system on and off, and select the desired program as required.
A microphone can also be added which allows the transmission of priority messages. The system manages the infrared devices to change the sound source functions used to select a radio station or choose a track.

Block diagram of the system Virtuoso II

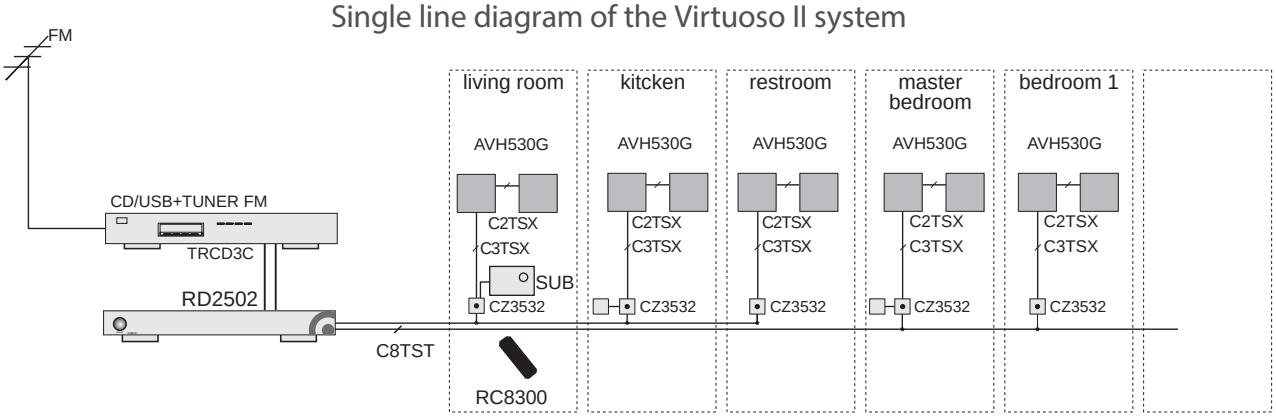


VIRTUOSO I AND II WIRING DIAGRAM

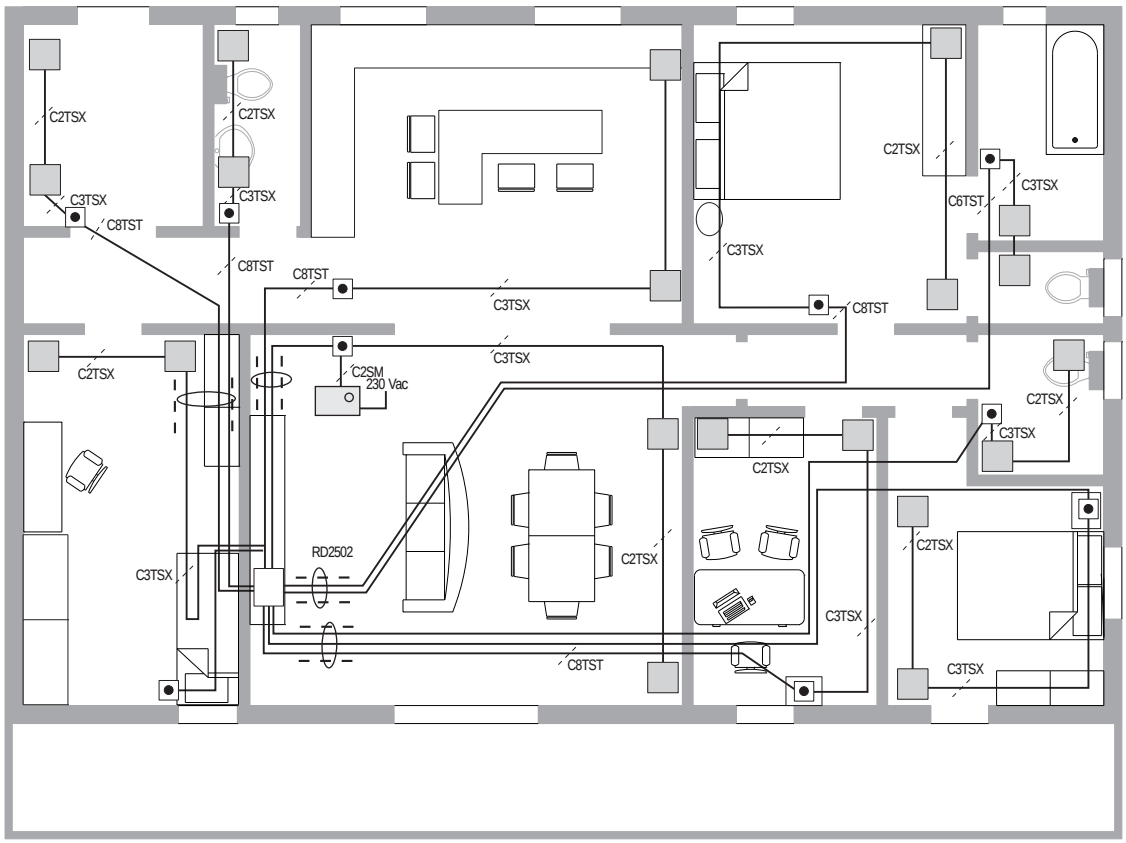
Single line diagram of the Virtuoso I system



Single line diagram of the Virtuoso II system

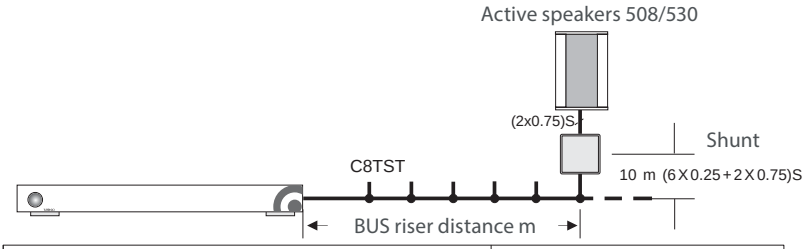


Active speaker	C8TST : wire (6x0,22 mmq + 2x0,75mmq)S
Audio control unit	C6TST : wire (4x0,22 mmq + 2x0,5mmq)S
Electric box	C3TSX : wire (3x0,75 mmq)S
Amplified subwoofer	C2TSX : wire (2x0,75)S



CABLE SECTION

Active audio line to broadcast Virtuoso



$S_B = 0.00124 \times L \times n$

$L = \frac{SB}{0.00124 \times n}$

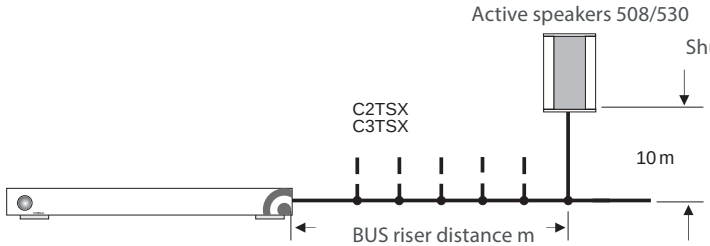
$n = \frac{SB}{0.00124 \times L}$

SB = Cross section in mmq for power supply wires
L = Lenght of the line in m
n = number of active speakers 508/530 - 10W

N. of active speakers 508/530 - 10W - that can be connected to each riser	Section and distance BUS cable C8TST: (6x0.25+2x0.75) S
5	120 m
10	60 m

Important: to improve the quality of the system use as many (6x0.22+2x0.75)S risers as possible, ideally 1 for every CZ5501 controller (connect no more than 5 controllers for riser).

Active audio line for MONDO system



	Active speakers 508/530-10W	530-20W	530-30W
Cross section mmq	$S_B = 0.00124 \times L \times n$	$S_B = 0.00248 \times L \times n$	$S_B = 0.00375 \times L \times n$
N. of active speakers	$n = \frac{S_B \times 806,45}{L}$	$n = \frac{S_B \times 403,22}{L}$	$n = \frac{S_B \times 266,66}{L}$
Lenght of the line in m	$L = \frac{S_B \times 806,45}{n}$	$L = \frac{S_B \times 403,22}{n}$	$L = \frac{S_B \times 266,66}{n}$

N° of active speakers type 508/530 that can be connected to each riser			Cross sections and distance of BUS riser cable	
508/530-10W	530-20W	530-30W	C2TSX (2x0.75) S	C3TSX (3x0.75)S
6	3	2	93 m	93 m
10	5	3	60 m	60 m
20	10	6	30 m	30 m

Note:
530-10W Amp card 530 set at 10W
530-20W Amp card 530 set at 20W
530-30W Amp card 530 set at 30W

Note: the table is referred to the use of a cable with 0.75mmq section. For longer distances, we suggest to decrease the number of connected speakers or re-calculate the right cable section through the adequate formulas.

8 / 4 OHM BROADCAST SYSTEM

IMPORTANT: when connecting the amplifier, be sure to mach the polarity of the acoustic speakers. The speaker cables and the microphone or aux cables small not be lied together.

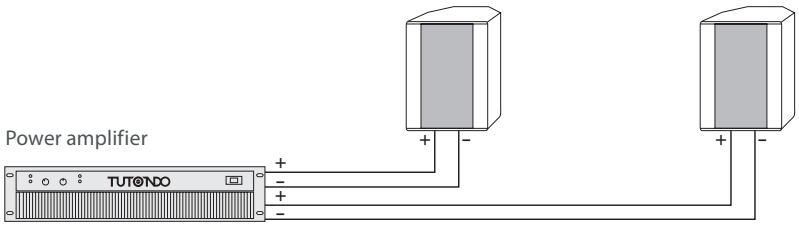
Min section

$S_B = \frac{0.4 \times L}{ohm}$

Ideal section

$S_B = \frac{L}{ohm}$

SB = cross section in mmq
L = lenght of the line in m

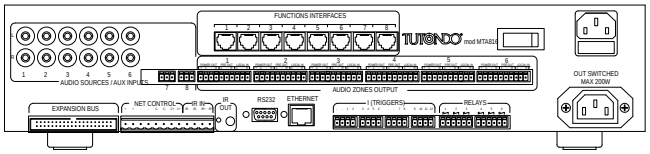


Ex: line 50m long, impedance of the 8 Ohm speaker

$S_B = \frac{0,4 \times 50}{8} = 2,5\ mm^2.$

NOTE: use cables with a standard commercial cross section greater than the result of the formula. Avoid inverting the polarity of the cables.

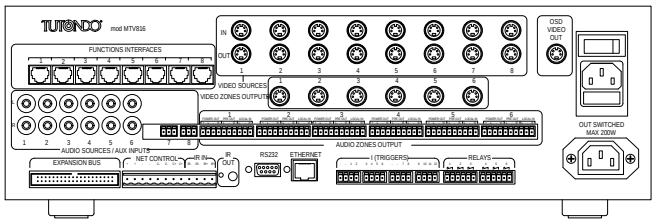
◦ Central unit MTA816 for Mondo systems



Features:
- Programmable audio matrix digitally controlled by a 32 bit processor. Firmware can be updated through Ethernet interface. Internal clock and date are updated even without power supply.
- Monochromatic LCD graphic display with adjustable colour backlighting (RGB).
- Menu-based controls with touch keys for: OK/Cancel, Up/Down and Slider for changing settings.
- Rapid access to the most often used functions via the front panel: on/off, source selector, volume control.
- Supported languages: English, Italian.
- 8 stereo audio AUX inputs (CD, DVD,HD, SAT, TUNER, etc.) Input impedance 47 KOhm, comprising:
- 6 stereo inputs with gold-plated RCA. Sensitivity sel. from 0,5 to 2 V RMS.
- 2 stereo inputs with removable terminals. Sensitivity selectable from 1 to 4,25 V RMS.
- 1 local stereo audio input for each zone. Input impedance 270 Ohm, sensitivity from 1 to 4,25 V RMS.
- 6 amplified stereo outputs 11+11 W RMS on 4 Ohm, active signal 12 V pp standard for active speakers with removable terminals.
- 6 Line Out type stereo output terminals, 1 V RMS level.
- 8 sockets for extra STIF function control devices.
- 1 RJ45 Ethernet interface connector.
- 1 DB9 RS232 interface connector.
- Bus connector for expansions (up to 7 for a total of 48 zones).
- Built-in stabilized power supply, low noise, short-circuit protection, 24 V dc 6,5 A (to supply 20 active speakers type 508/530-10, 50 type 503, 10 type 530-20, or 7 type 530-30).
- 12 trigger inputs, normally-open contacts for external events.
- 6 programmable relay outputs for general purposes.

Suitable for installation on standard 19" rack units. Overall dimensions: 2 rack units (using GRK supports).
Power supply: 230/110 V ac 50/60 Hz.
Dimensions: H 88 x W 430 x D 320 mm. Weight: 6,3 Kg.
Colour: black .

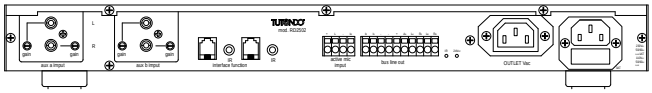
◦ Central unit MTV816C for audio/video Mondo systems



Features:
- Programmable A/V matrix controlled digitally by a 32 bit processor. Firmware can be updated using the Ethernet interface. Internal clock and date areupdated even without a power supply.
- Monochromatic LCD graphic display with adjustable colour backlighting (RGB).
- Menu-based controls with touch keys for: OK/Cancel, Up/Down and Slider keys for changing settings.
- Rapid access to the most often used functions via the front pane: on/off, source selector, volume control.
- Supported languages: English, Italian.
- 8 Composite video inputs.
- 8 stereo audio AUX inputs (CD, DVD, HD, SAT, TUNER, etc.) Input impedance 47 KOhm, comprising:
-6 stereo inputs gold-plated RCA PIN. Sensitivity selectable from 0.5 to 2 V RMS.
-2 stereo inputs with removable terminals.
Sensitivity selectable from 1 to 4,25 V RMS.
- 1 local stereo audio input for each zone.
Input impedance 270 Ohm, sensitivity from 1 to 4,25 VRMS.
- 6 amplified stereo outputs 11+11 W rms on 4 Ohm or active signal, 12 V pp standard for active speakers with removable terminals.
- 6 Line Out type stereo output terminals, 1V RMS level.
- 6 Composite video outputs.
- 8 sockets for extra STIF function control devices.
- Automatic management of DMH44 Tutondo HDMI matrix to handle 4 high definition inputs and 4 high definition zones.
- Switched mains socket 110/230 V ac, 200 W max.
- 1 RJ45 Ethernet interface connector.
- 1 DB9 RS232 interface connector.
- Bus connector for expansions (up to 7 for a total of 48 zones).
- Built-in stabilized power supply, low noise, short-circuit protection, 24 V dc 6,5A (able to supply 20 active speakers type 508/530-10, 50 type 503, 10 type 530-20, or 7 type 530-30).
- 12 trigger inputs, normally-open contacts for external events.
- 6 programmable relay outputs forgeneral purposes.

Suitable for installation on standard 19" rack units. Overall dimensions: 3 rack units (using GRK3 supports).
Power supply: 230/110 V ac 50÷60 Hz.
Dimensions: H 132.5 x W 430 x D 330 mm. Weight: 6,3 Kg.
Colour: black.

◦ Central unit RD2502N for Virtuoso systems

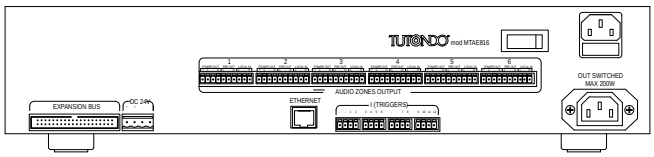


Main features:
- 2 stereo inputs AUX type (CD, HD, TUNER, MP3, MINI, PC, SAT, etc) adjustable sensitivity 0,5 - 2 V through trimmers, stereo RCA sockets.
- 1 active input with priority, sensitivity 12 V pp (for MC1501 microphone modules, MCZ501 paging stations, etc).
- Stabilized built-in power supply, low noise, short-circuit protection, 24 V DC 6,5 A (able to supply 20 active speakers type 508/530-10, 50 type 503, 10 type 530-20, or 7 type 530-30).
- 2 plugs for SUF and STIF cards for functions control of sound sources.
- 2 stereo outputs 12Vpp standard.
- Output for automatic switch-on of external power supplies.
- Switched mains socket 110/230 V ac, 200 W max.

Using the optional accessories, it is suitable for installation on standard 19'' rack mounts. The overall size is 1 rack unit.

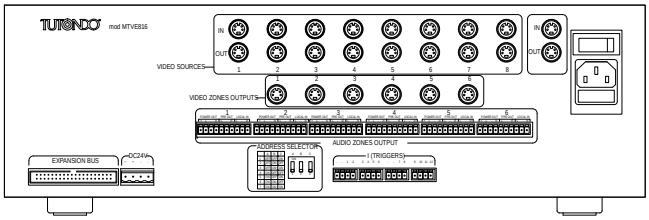
Power supply: 230/110 V ac, 50/60 Hz
Dimensions: H44 x W430 x D325 mm
Weight: 4 Kg

◦ Audio expansion MTAE816 for Mondo systems



Suitable for installation on standard 19" rack units.
Dimensions: 2 rack units (using GRK supports).
Power supply: 230/110 V ac 50÷60Hz.
Dimensions: H 88 x W 430 x D 320 mm.
Weight: 6,3 Kg. Colour: black .

◦ Audio/ Video expansion MTV816C for Mondo systems

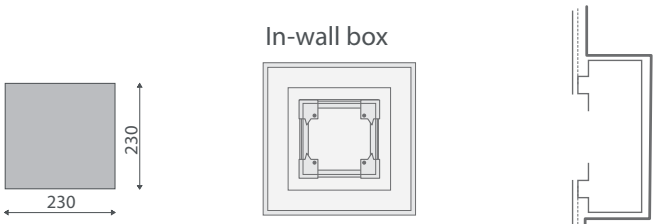


Suitable for installation on standard 19" rack units. Overall dimensions: 3 rack units (using GRK3 supports).

Power supply: 230/110 V ac 50÷60Hz.
Dimensions: H 132.5 x W 430 x D 330 mm.
Weight: 6,3 Kg. Colour: black.

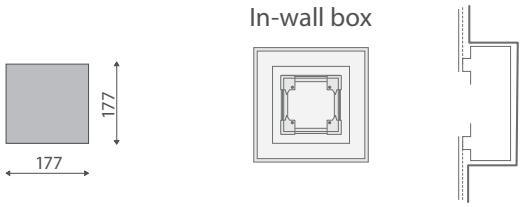
SPEAKERS TECHNICAL DRAWINGS

IN-WALL SPEAKERS



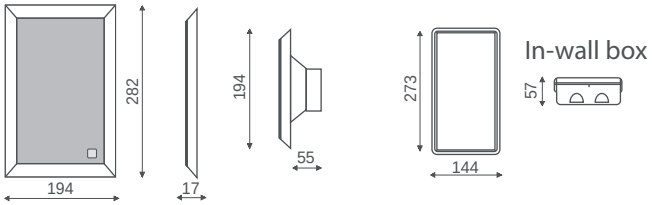
Sonata di Venezia

Dimensions: flush mount face 230 x 230 mm
Enclosure: H277 x W277 x D86.5 mm



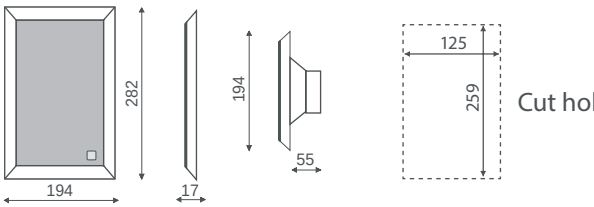
Aria di Venezia

Dimensions: flush mount face 170 x 170 mm
Enclosure: H277 x W277 x D86.5 mm



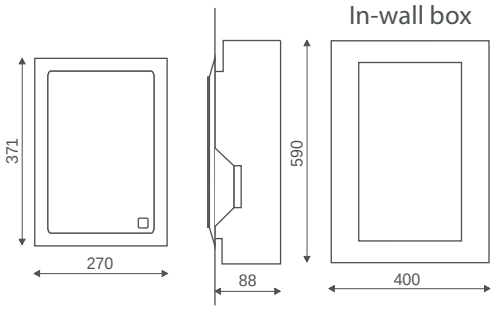
Folio

Dimensions: H286 x W194 x D72 (16+56) mm
For installation on a CF2 in-wall box



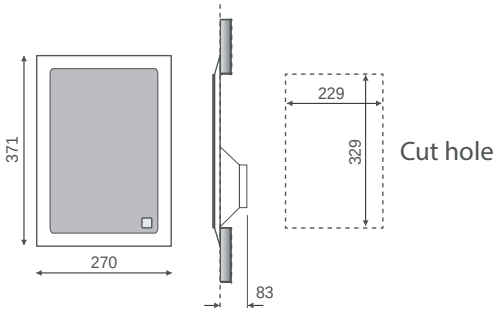
Folio Free

Dimensions: H286 x W194 x D72 (16+56) mm
For installation on a CF2 in-wall box or in false ceiling
Cut hole: 125 x 259 mm



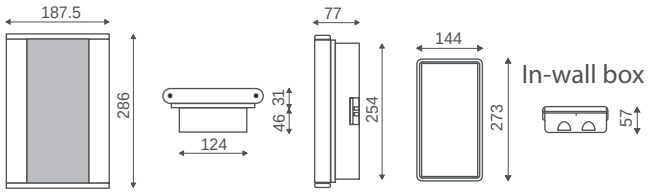
Edotto

Dimensions: H371 x W270 mm
For installation on a CF4 in-wall box



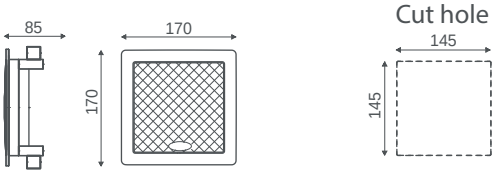
Edotto Free

Dimensions: H371 x W270 mm
For flush mounting installation
Cut hole: 229 x 329 mm



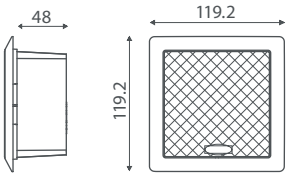
Papiro

Dimensions: H288 x W187.5 x D77 mm
For installation on a CF2 in-wall box



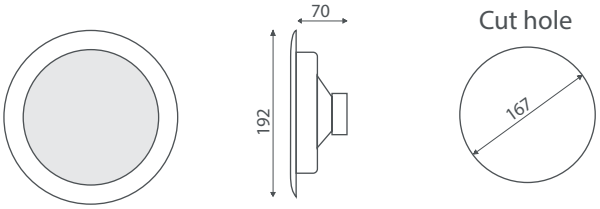
Logico

Dimensions: H170 x W170 x D85 mm
For flush mounting installation
Cut hole: 140 x 140 mm



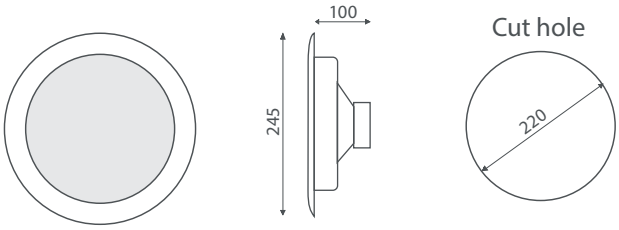
Elogio

Dimensions: H119.2 x W119.2 x D8+48 mm
For installation on a 506Q (3+3 boxes)



Koro

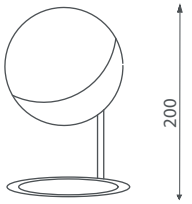
Dimensions: diameter 192 x D72 mm
Cut hole: diameter 167 mm



Ozio

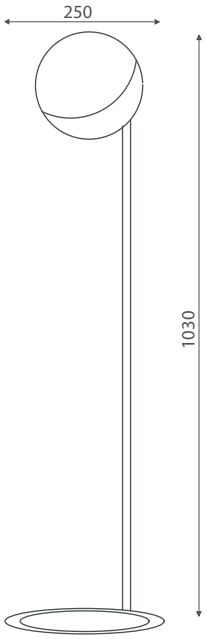
Dimensions: diameter 245 x D100 mm
Cut hole: diameter 220 mm

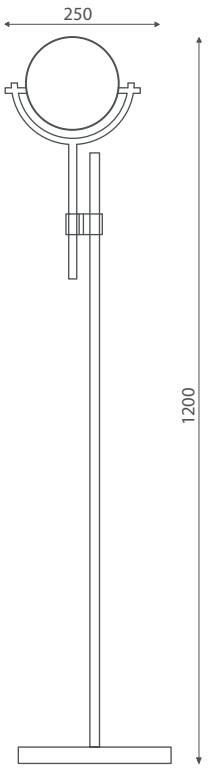
ON-WALL OR STANDING SPEAKERS



OK2G / OK530G

Dimensions: H200 x W160 x D160 mm



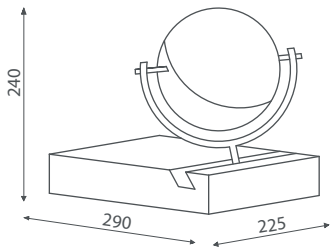


OKP2 / OKP530

Dimensions: H1030 x W250 x D250 mm

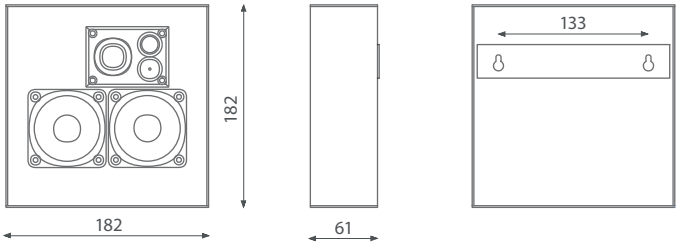
SX31ASL / SP535

Dimensions: H1200 x W250 x D250 mm



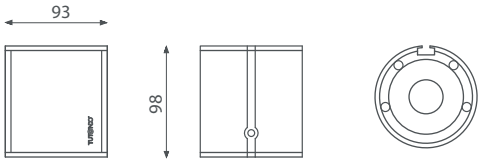
SX33 / SM535

Dimensions: H240 x W225 x D290 mm



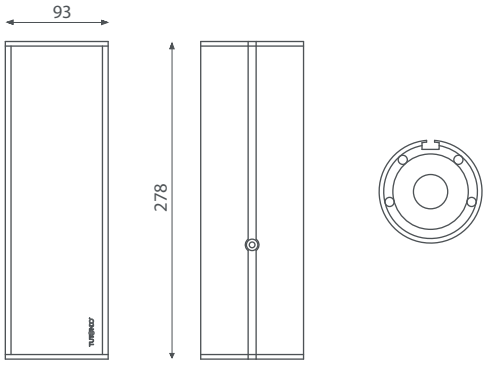
TIBI

Dimensions: H182 x W182 x D61 mm



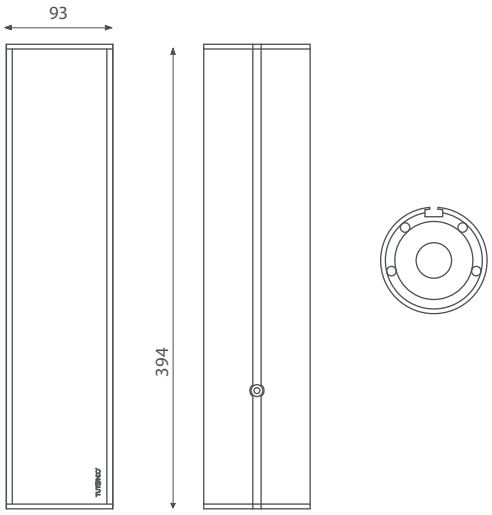
OLI C1

Dimensions: H98 x Ø93 mm



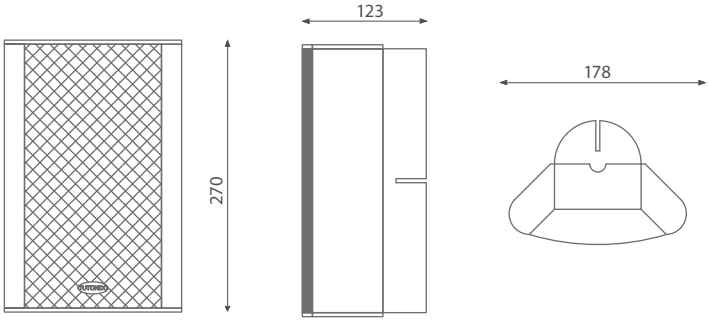
OLI C2

Dimensions: H278 x Ø93 mm



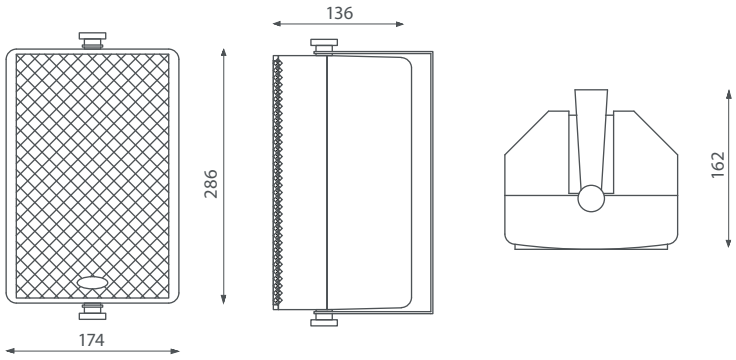
OLI C4

Dimensions: H394 x Ø93 mm



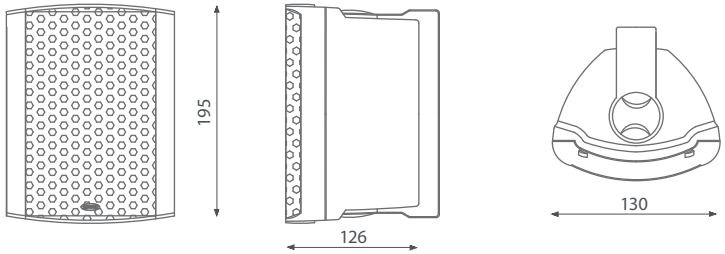
SYDNEY

Dimensions: H270 x W178 x D123 mm



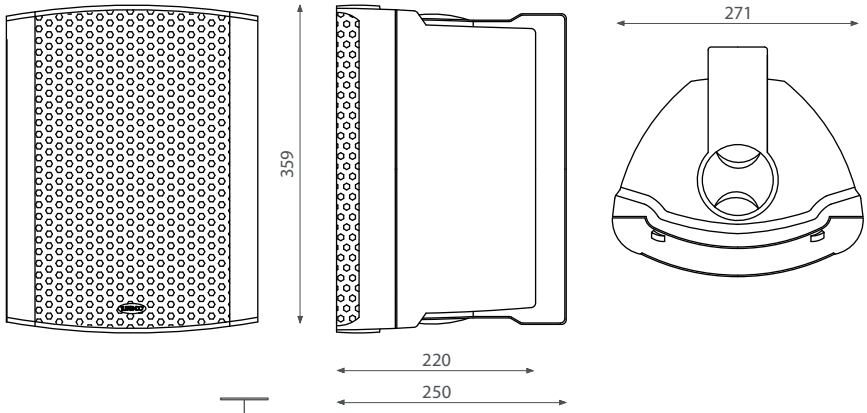
Rio

Dimensions: H286 x W174 x D162 mm



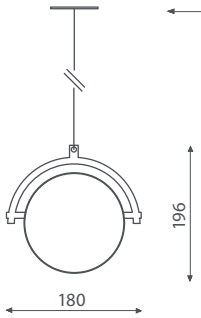
Minni

Dimensions: H195 x W130 x D126 mm



Lapsus

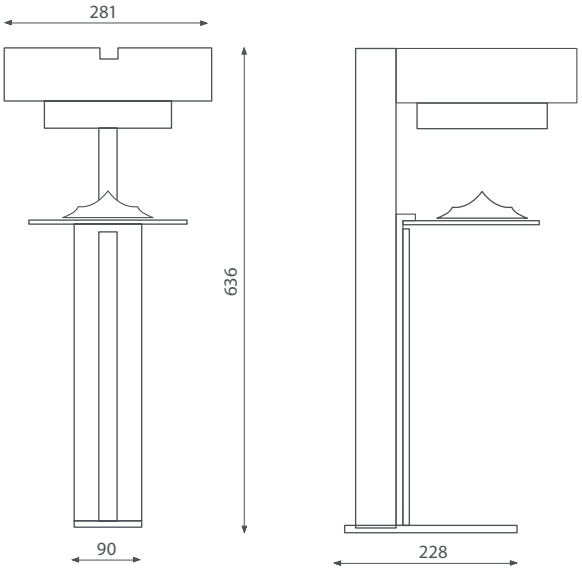
Dimensions: H359 x W271 x D250 mm

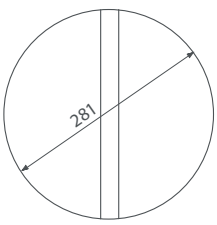


OKEBALL

Dimensions: H196 x W180 x D160 mm

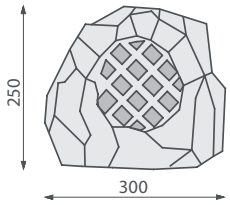
OUTDOOR SPEAKERS





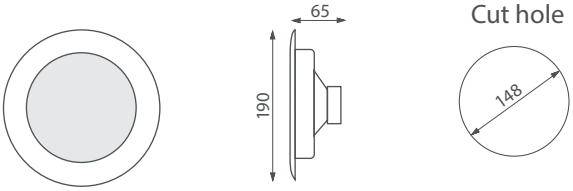
MAX

Dimensions: H636 x W281 x D281 mm
Protection level IP54



ROCCIA

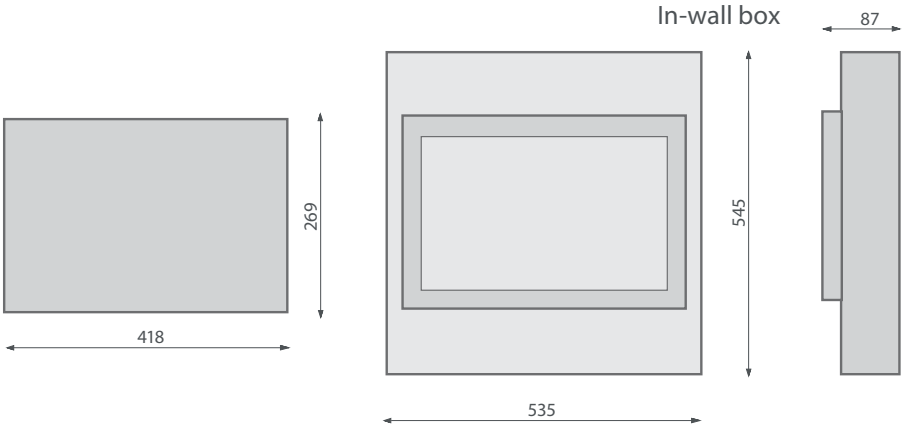
Dimensions: H250 x W300 x D230 mm
Protection level: IP56



RONDÒ

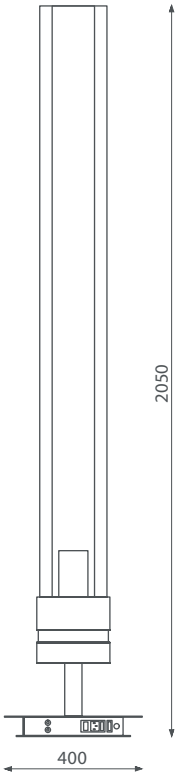
Dimensions: Ø190 x D65 mm
Protection level: IP55

SUBWOOFERS SPEAKERS



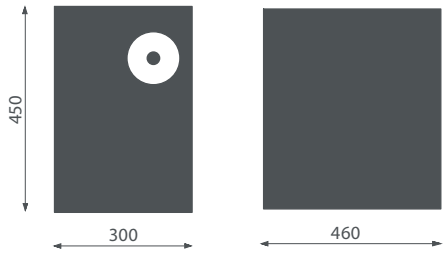
SUBWOOFER AVS 200

Dimensions: visible H269 x W418 mm
In wall box: OH CFAVSP
Box: H545 x W535 x D87 mm
Hole: H330 x W479 mm



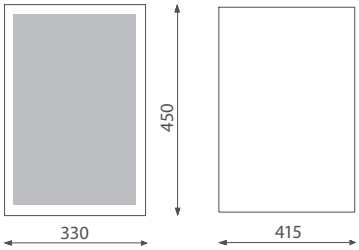
SUBWOOFER OHL

Dimensions: H2050 x D400 mm



SUBWOOFER PC33 - PC31

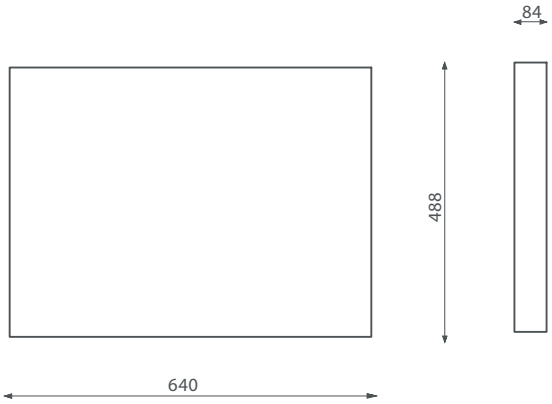
Dimensions: H450 x W300 x D460 mm



SUBWOOFER B189

Dimensions: H380 x W350 x D410 mm

INVISIBLES SPEAKERS



Miraggio di Venezia (TU U2G)

Dimensions: H488 x W640 x D84 mm.

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MET SYSTEMS catalog

Our EN54 certified electro-acoustic sound systems for MET Voice Alarms for the evacuation of buildings such as Hotels, Shopping Centres, Offices, Factories, Schools, etc. are available in two versions. 4 to 8 Zone Compact Units, complete with Batteries, and modular rack mounted systems, with a 4 to 8 Zone Central Unit and expansion units for up to 128 Zones.
The Voice Alarm system allows music to be broadcast to each individual zone; in the case of an emergency, the music is interrupted for the transmission of voice alarm messages.
For the evacuation of different types of medium to large sized buildings, an Emergency Voice Sound System offers the best and most efficient way to inform the public of any danger.
The public is asked to make its way to safety in an orderly mode from the area of danger, avoiding panic and crowding.
In the event of an alarm, our Digital Systems allow evacuation to be carried out safely, using direct or pre-recorded voice messages, transmitted by a series of certified EN54-24 speakers, offering acoustic solutions which are efficient thanks to their smart design and refined design solutions which allow them to be adapted to the type of building.
Our MET SYSTEMS Voice Alarm Systems Catalogue is available on request.

PUBLIC ADDRESS catalog

Our PUBLIC ADDRESS products are designed for sound diffusion in public areas such as Stadiums – Schools – Museums – Hospitals – Churches – Hotels – Restaurants – Bars – Shopping Centres and many other activities, and include a series of products such as central units, control units and speakers.
Our company is renowned on the market for supplyìng products and accessories suitable for sound systems with a high number of zones and centralized management, with matrix central units for audio/video distribution. For information on the correct use of our products and Systems in the various solutions available and taking into consideration the use of each room, our Technical and Sales staff is happy to assist, providing its experience to support clients and obtain professional results and the correct distribution of Voice, Music and Video Sound amplification in the various zones. This aims at a quality of use which will last over time, choosing a combination of our numerous speakers, featuring a modern and painstaking design, for aesthetic results most suited to the selected room.

EXPERTISE

A T E C is team of people, guided by a passion for music, technology and design.
We began our journey of discovery researching the form and function of products for the reproduction of sound, with the aim of creating high performance Systems for the Diffusion of Sound.
We have grown through striving for the best technological solutions, attentive to sound quality propagated by attractively designed objects.
Nearby Venice, with its great coastal beaches, introduced us to our first clientele, interested in the connection between technology and musical entertainment.
With passion, we have created hand-crafted, tailored products since the early 1990s, to later incorporate the brand TUTONDO in a more structured production line with ISO 9001 awarded processes and a sales network that stretches across the whole of Italy.
We are specialised in three different sectors of Sound Diffusion which include; systems for private homes where we can offer our Multiroom system, systems for buildings and rooms open to the public for musical events or communication, with products such as Public Address systems, and lastly systems for public areas to provide Voice Evacuation alarm messages in emergency situations for the public, using our products designed in full compliance with the standard EN54.
Our technical staff is attentive to technological developments, continuously updating and using all its experience and skill to design highly professional products and systems and create the most suitable audiovisual systems for your room and your needs, which can interact with all Home and Building Automation systems.
We believe that providing high quality products with structured technical support, combined with our passion and experience represents the essential foundations to ensure efficiency of systems over time while fully meeting all our clients' requirements.

REFERENCES / INTERNATIONAL TRADE SHOWS

Some of the installations with Tutondo systems and products in the private and public sector both in Italy and abroad. For more than 30 years we have been supplying know how, products and services to our partners in order to create fixed audio visual systems to produce music for entertainment and voice messages for the communication of information and evacuation in the event of emergencies.

Home

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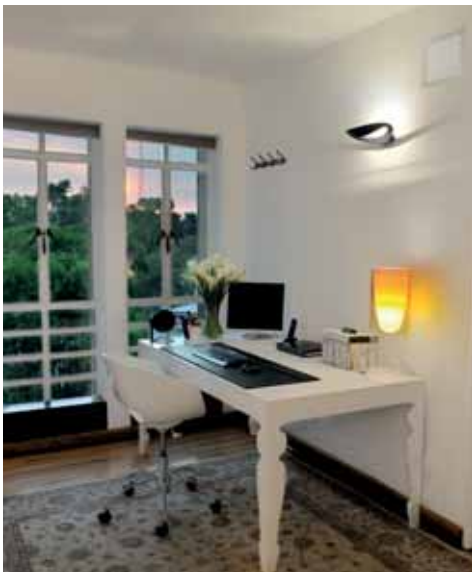

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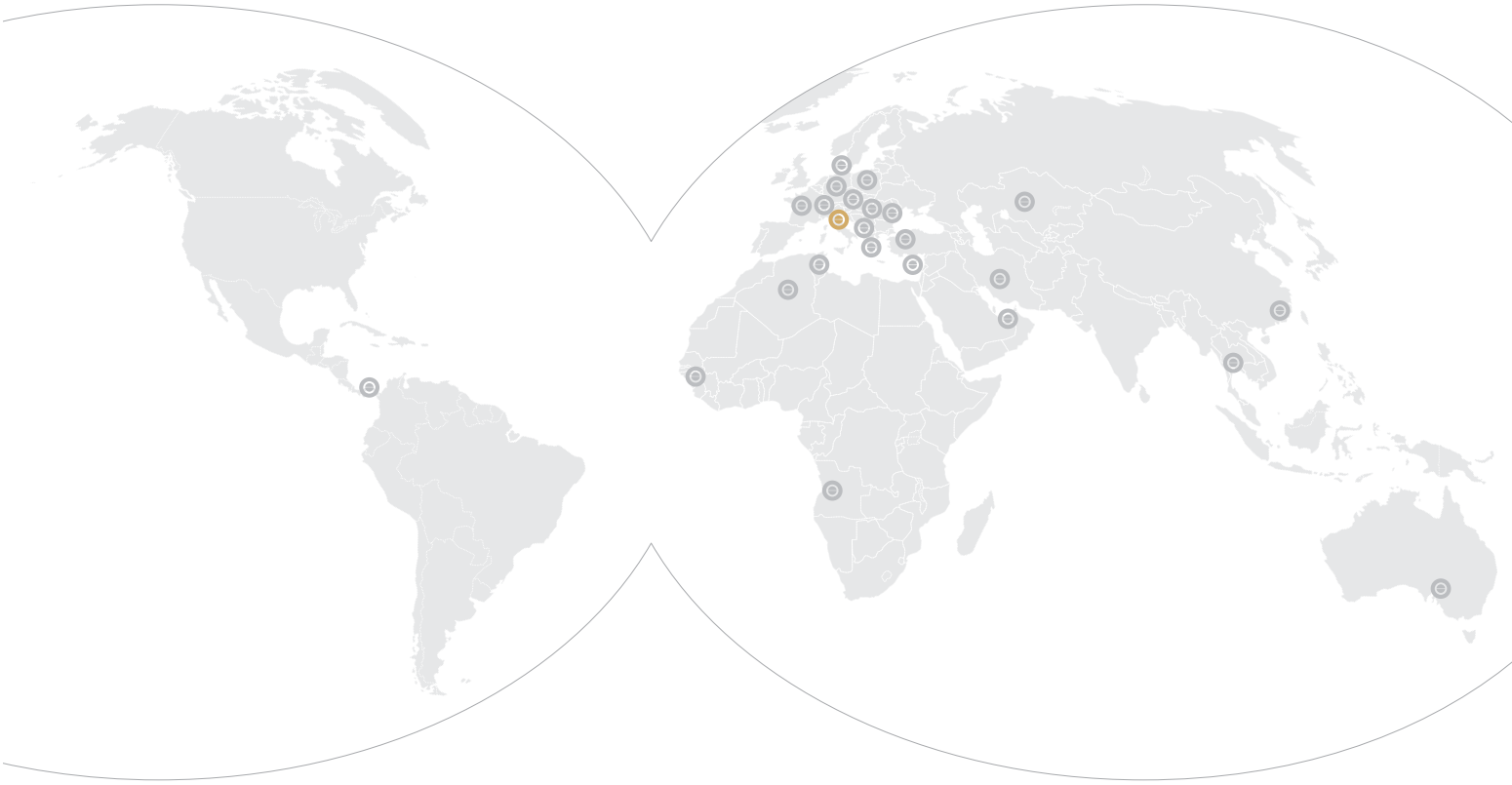

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technical support

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