



# Multiroom Tutondo Systems

# HOME MULTIROOM: Active Systems, Amplified.

Systems for homes, hotels, offices, professional studios.

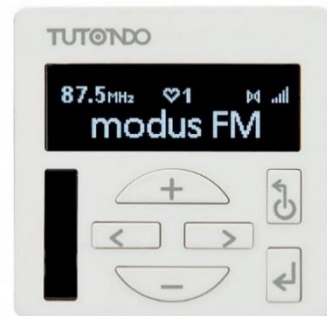


# Design of a Multiroom system for homes

## WHERE TO INSTALL THE AUDIO CONTROLS

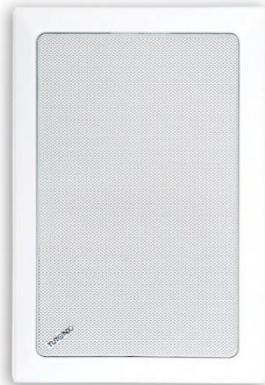
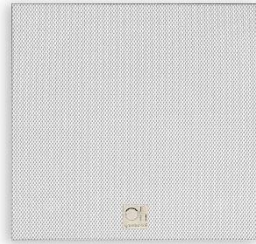
- The TUTONDO flush-mounted audio and video adjustment controls must be installed in the places closest to the listener.  
In the day rooms, on the wall, near the electric light controls, generally next to the door, about 110cm from the ground.  
In the bedrooms above the bedside table closest to the front door.
- Systems controlled only by Smartphone, with the Tutondo APP, via Wi-Fi, do not provide for the fixed collection of a command. The area must be covered by the Wi-Fi network. However, we recommend installing the audio control on the wall.  
Tutondo offers several Multiroom Systems, each with its own Audio Controls.

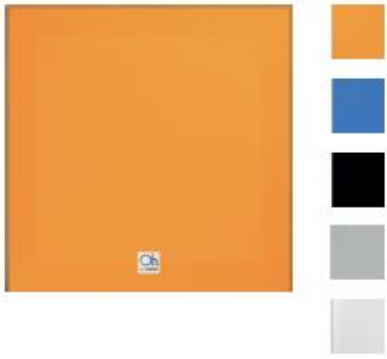
## Audio Commands for Systems: Modus, Mondo T, Modular Block.



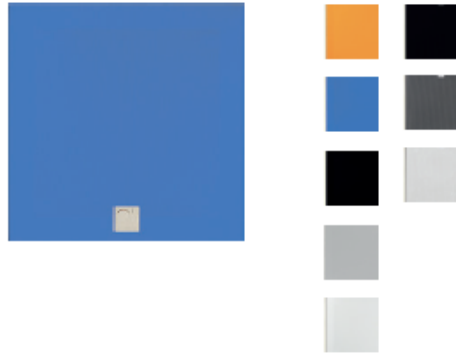
# Type of Active In-wall speakers

- \* Round, square, rectangular shaped diffusers.
- \* Diffusers with frame, Frameless, flush with the wall, completely disappearing.





SONATA DI VENEZIA



ARIA DI VENEZIA



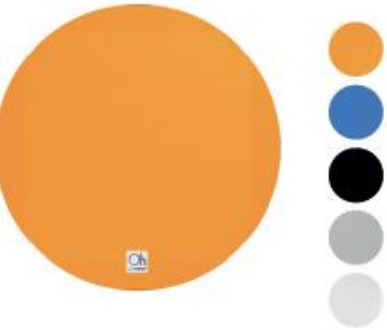
VELA FRAMELESS SPEAKER



FOLIO



PAPIRO



SONATA DI VENEZIA ROUND



LOGICO



ELOGIO

# IN-WALL Speakers



OLIMPIA



OZIO



KORO

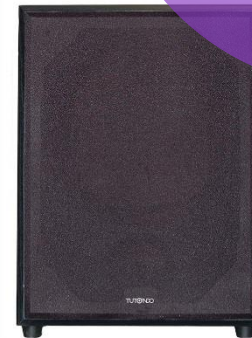
# Type of Active On-wall or standing speakers

\*On-wall or standing speakers

On-wall  
or standing  
Speakers



# Type of speakers: Subwoofer



Speakers  
Subwoofer

# Type of Outdoor speakers

\* Wall, floor, recessed speakers with IP55, IP65 degree



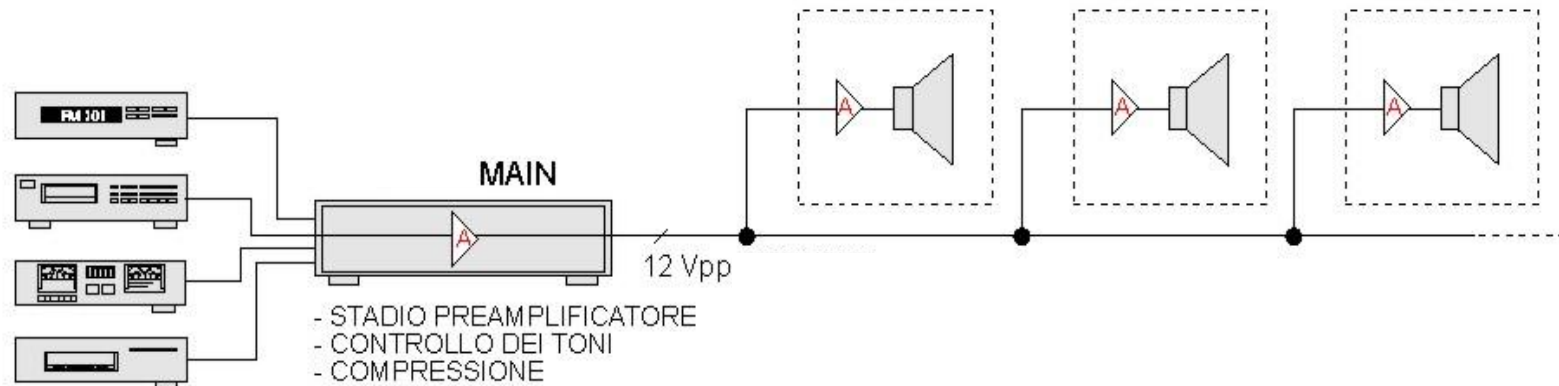
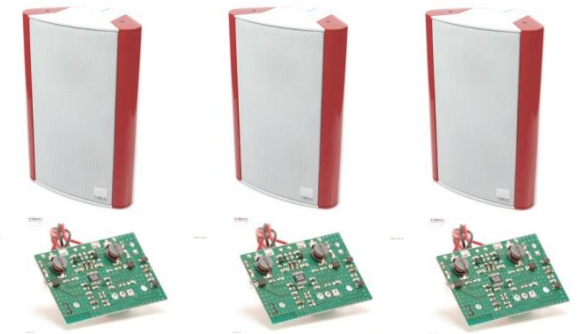
# Active Amplified Tutondo System

The basic concept:

Audio line signal: 12Vpp, corresponds to 4.25VRMS

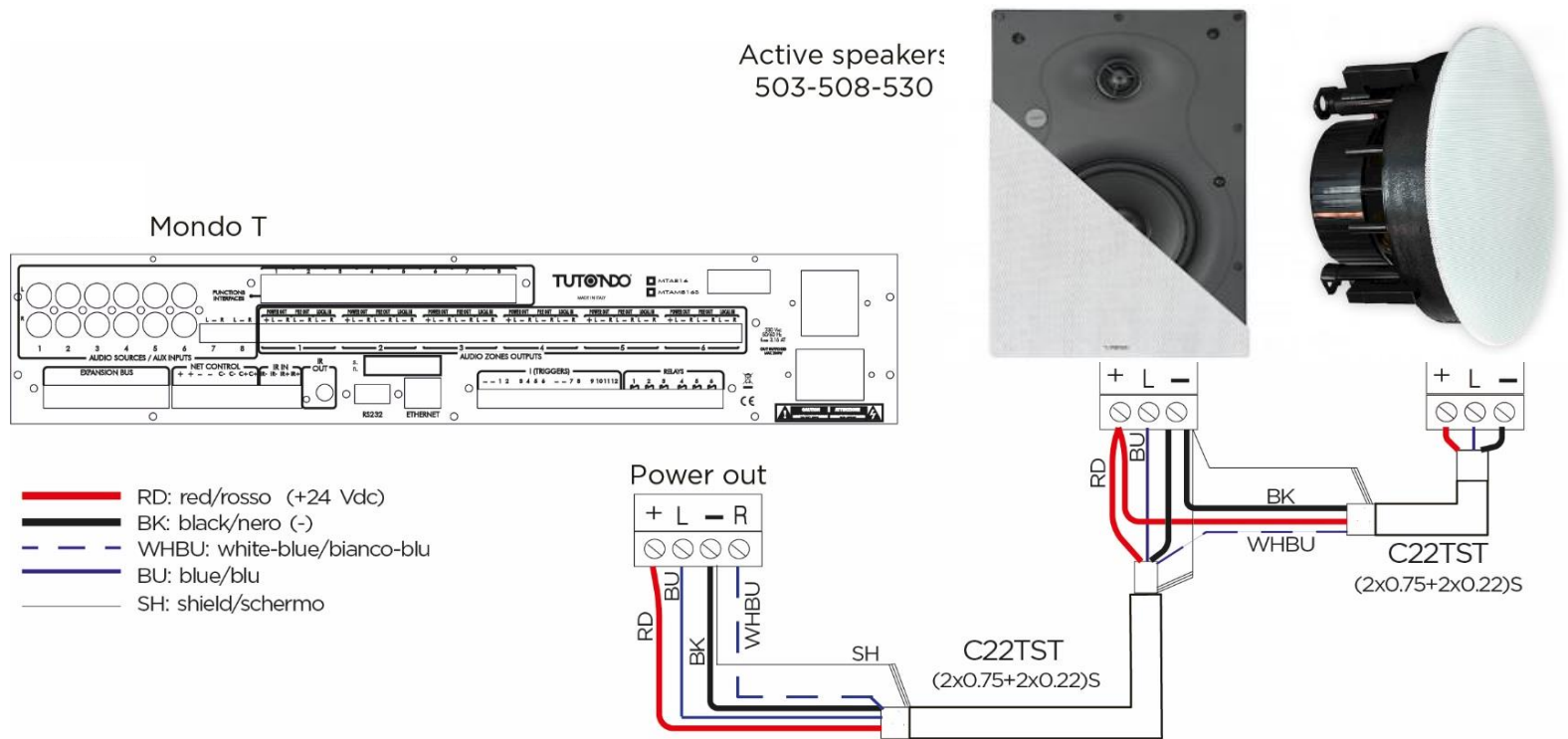
Power supply: 24VDC.

Amplifiers: 3W to 30W



# Active Amplified Tutondo Speakers

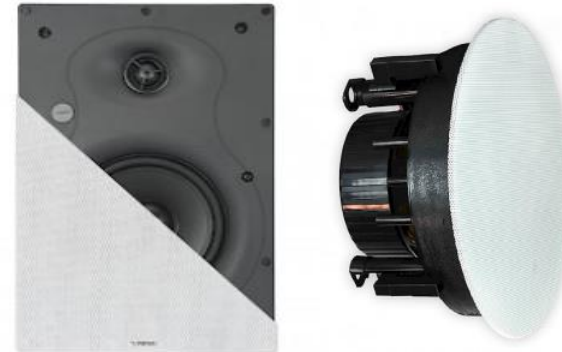
Example: Active system, applied to Mondo T, Multiroom Multiprogram systems.  
Stereo speaker connection diagram.



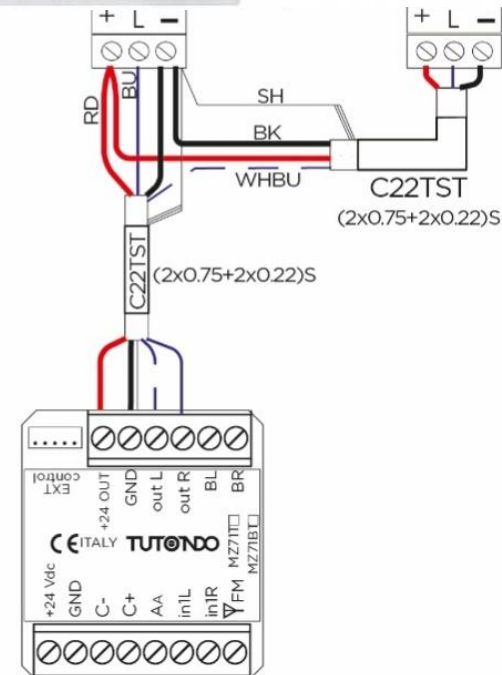
# Active Amplified Tutondo Speakers

Active system, applied to Multiroom Controls and Modules.  
Stereo Example: Modus, MZ3532, CZ1512.

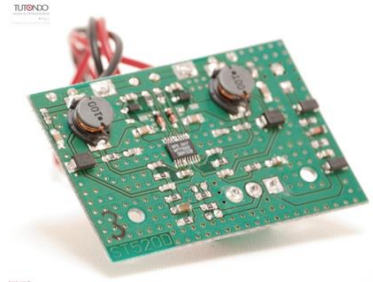
Active speaker:  
503-508-530



- RD: red/rosso (+24 Vdc)
- BK: black/nero (-)
- - - WHBU: white-blue/bianco-blu
- BU: blue/blu
- SH: shield/schemo



# Amplifiers: Active System Tutondo



The Tutondo Active Amplified System has 4 types of amplifiers:

- ST503 3W 24VDC amplifier board, normally available separately (incorporated in the MD503 model speaker), can be mounted in third party speakers.
- ST508B 8W 24VDC amplifier board, mounted on Tutondo active speakers, such as: F508 .., K508 .., S508 .., etc.
- ST530 30W amplifier board, settable at 30-20-10W, 24VDC, mounted on the active speakers Tutondo such as: K530 .., F530, R530G .., L530 ..
- ST530EX 30W 24VDC RESIN amplifier board, for external mounting on 8 ohm speakers.

# Active Amplified Tutondo System

Cables:

TU C22TST

Shielded cable for amplified speaker lines, for microphone bases, for signal lines.  
2 wires of 0.75mmq + 2 wires of 0.22mmq + total shield in aluminum.

Ex.

Stereo: Red + 24Vdc, Black - negative and screen,  
L blue, R white / blue audio shields.

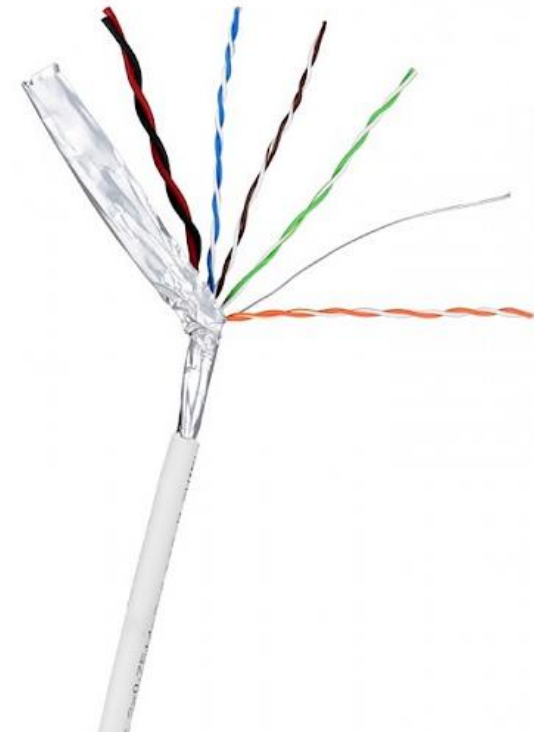


# Active Amplified Tutondo System

Cables:

TU C52TST

Shielded cable for amplified speaker lines, for microphone bases, for signal lines.  
2 wires of 0.75mmq + 8 wires of 0.22mmq + total shield in aluminum.



# Active Amplified Tutondo System

- Active systems Symbols:

|  |  |
|--|--|
| +  | Positive Power supply, 24VDC   |
| L e R  | Lines of audio signals for Active Speakers. If mono (L + R), connect only L. L L e |
| R <sub>R</sub>                                   | Audio signal lines at aux level, 1Vrms, for Amplifiers.                            |
| -  | Negative Power supply and shield,  |
| I <sub>m</sub>                                   | Microphone base activation. Contact to the negative -.                             |
| I <sub>A</sub>                                   | General priority microphone base activation. Contact to the negative -.            |
| I <sub>s</sub>                                   | Switching on additional power supplies. Contact to the negative -.                 |
| + <sub>s</sub>                                   | Switching on additional power supplies. Contact to positive +, 24Vdc.              |
| A <sub>A</sub>                                   | General alarm. Contact to positive +, 24Vdc.                                       |
| P <sub>a</sub> , P <sub>b</sub> , P <sub>c</sub> | Inputs signals active "L and R". If mono (L + R), connect only.                    |
| C <sub>+</sub> , C <sub>-</sub>                  | Digital communication Bus, CAN system.   |