

## Superior Technology. Made in Germany.

The digital controlled line arrays Ascolto® are equipped with high-quality neodymium loudspeakers, capable to spread perfectly voice as well as sound instruments.

Each Ascolto® digital line array contains a set of custom-designed fully programmable 135-MHz, 48-bit DSPs, where high precision 76-bit accumulators ensure the bit resolution for a total quality in digital audio processing.

The Anti Reverberation System ARS® increases the voice intelligibility in reverberant environments. The acoustic energy is directed exactly to the listener. Reflections of the ceiling and the side walls are minimized significantly.

The line arrays possess a DSP control for

- beam shaping
- multi-band equalizer
- delay
- dynamics
- level
- suppression of reverberation

The amplifier outputs are completely protected against short-circuiting and overheating.

All Ascolto® line arrays are equipped with an intelligent and stable automatic equalizer. During live broadcasts it recognizes the difference between voice and music. The automatic boosting of specific frequencies during music transmissions achieves a better sound quality. The automatic attenuation of specific frequencies during speech transmissions avoids feedbacks.

The new generation of the Ascolto® series has a Dante™ interface.

Therefore they can be integrated into a [Dante™ audio network](#).

The sound columns fulfill aesthetic and architectural requirements.

They are excellently suited for cathedrals, churches , mosques, theaters, auditoriums, airports, railway stations...



## **The DANTE audio network**

The abbreviation DANTE stands for „„Digital Audio Network Through Ethernet“. DANTE is the most widespread interface on devices of different manufacturers for the transmission of audio and control data. The best-known producers of the audio sector belong to the more than 300 license holders. DANTE combines hardware, software and network protocol. It allows the transmission of several channels using the same standard Ethernet cable. The DANTE network is based on common network standards and internet protocols. The retransmission is possible via 100 Mbps or 1 Gbps Ethernet networks. Both transmission rates can be used in combination in one network.

## **The DANTE audio network offers the following advantages:**

Transmission capacity of more than 500 high-resolution audio channels

The signals will be transferred uncompressed, synchronized and with almost no latency

A DANTE audio network can be used in an existing network simultaneously

No reduction of the sound quality with long cables

The digital transmission is not disturbed by other electrical devices

The connected devices are detected automatically

Significant cost savings in the cabling of projects can be achieved because low-cost standard Ethernet cable can be used