



AoIP (Audio over IP)

AoIP stands for **Audio over Internet Protocol** and it is a solution for transmitting digital audio signals via IP network (usually a Local Area Network = LAN).

AoIP is scalable, flexible and reliable: the main advantage is that it uses the same infrastructure already in place for Internet.

The sound is divided into little digital packets and then transmitted to its destination using the network infrastructure. Over short or long distances, AoIP is always suitable for high quality transmission: it can be music from main radio studio console, live sound at concerts, sports broadcasting announcers, interviews, news or background music.

AoIP uses different audio codecs to transmit and receive audio using the best sound quality per byte. AoIP uses AAC+, MP3, Ogg Vorbis, WMA, G.711, PCM.



Mozart FM transmitter series can support 2 different Audio over IP options, both installed internally and with independent control software.

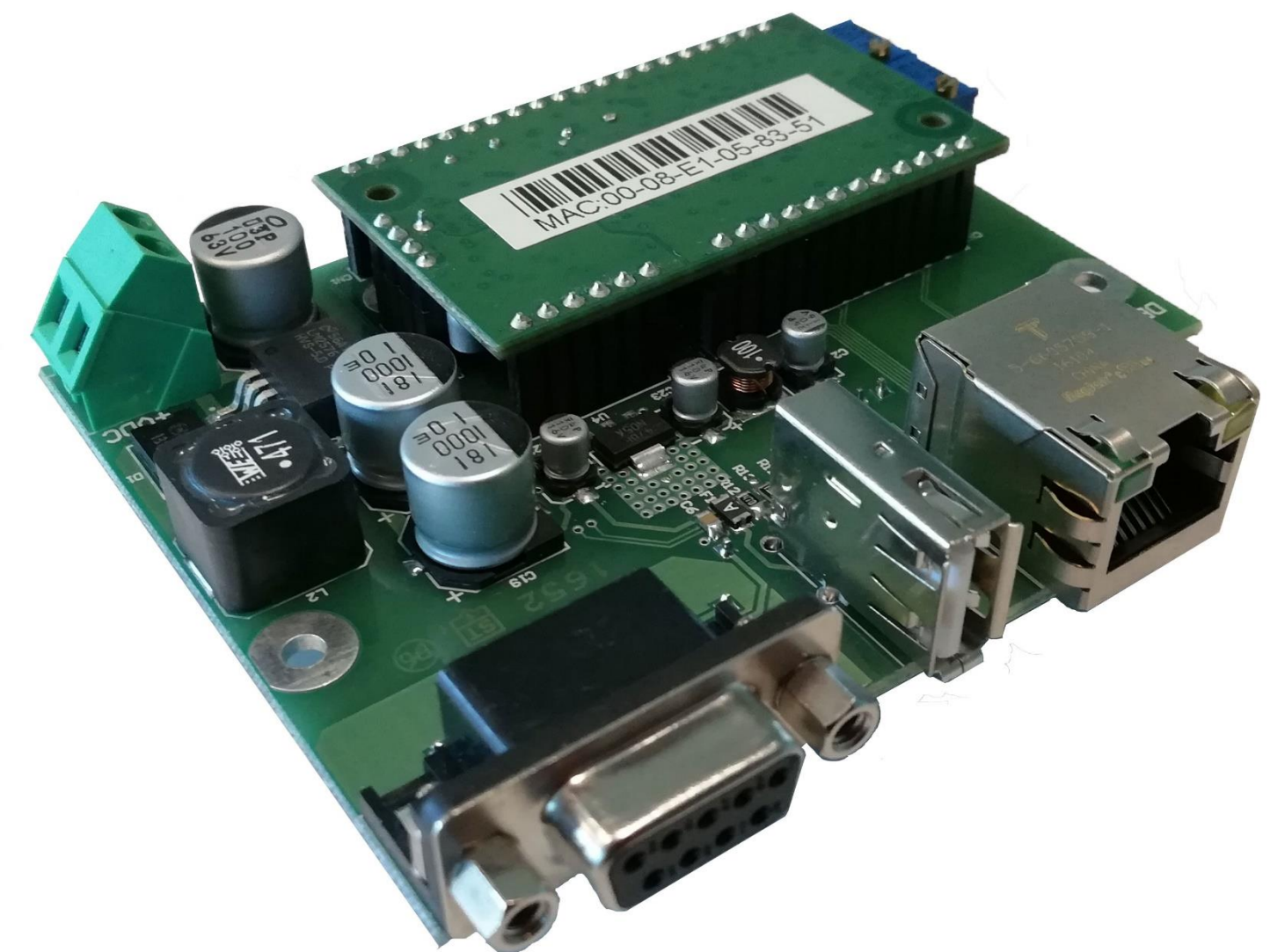
The choice is mainly related to the digital audio input source the customer will use.



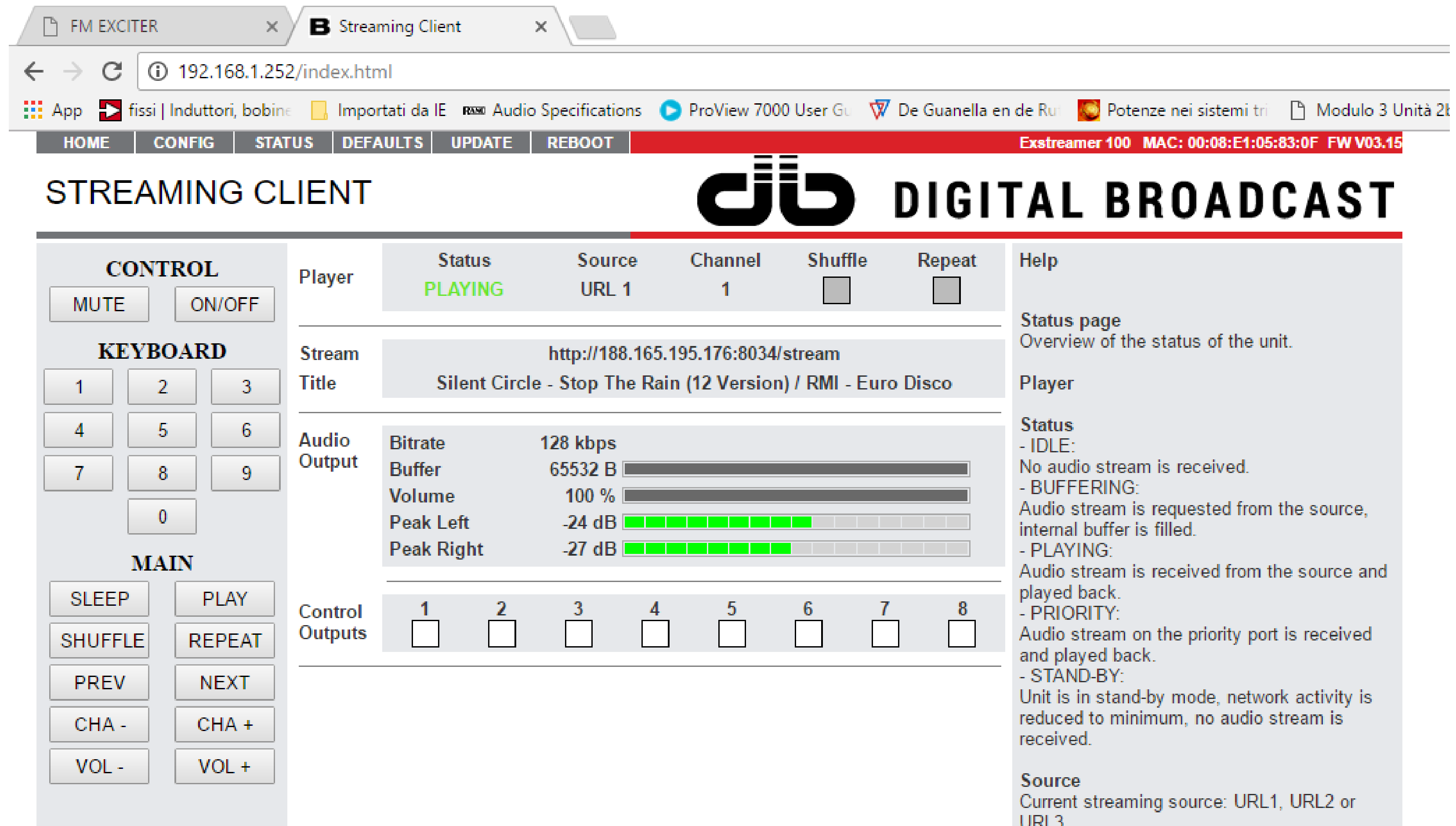
The first available AoIP option allows to play files and playlists from USB memory, PC or web server (http) or to stream from sources like:

- Shoutcast
- Icecast (Internet radio)
- RTP servers

Automatic failover function is available: in case of missing audio source in input, it is possible to set up to 3 URLs and eventually to play from local USB memory.



Graphical control interface is available for an easy setting of all main parameters.



The screenshot shows a web browser window with the address bar displaying `192.168.1.252/index.html`. The browser tabs include "FM EXCITER" and "Streaming Client". The page features a navigation menu with links: HOME, CONFIG, STATUS, DEFAULTS, UPDATE, and REBOOT. A red status bar at the top right indicates "Exstreamer 100 MAC: 00:08:E1:05:83:0F FW V03.15".

The main content area is titled "STREAMING CLIENT" and includes the Digital Broadcast logo. The interface is divided into several sections:

- CONTROL:** Includes buttons for MUTE and ON/OFF.
- KEYBOARD:** A numeric keypad with buttons for digits 1-9 and 0.
- MAIN:** Includes buttons for SLEEP, PLAY, SHUFFLE, REPEAT, PREV, NEXT, CHA -, CHA +, VOL -, and VOL +.
- Player:** A table showing the current status and source information.

Player	Status	Source	Channel	Shuffle	Repeat
	PLAYING	URL 1	1	<input type="checkbox"/>	<input type="checkbox"/>
- Stream:** Displays the stream URL and title.

Stream	http://188.165.195.176:8034/stream
Title	Silent Circle - Stop The Rain (12 Version) / RMI - Euro Disco
- Audio Output:** Displays audio parameters and levels.

Bitrate	128 kbps
Buffer	65532 B
Volume	100 %
Peak Left	-24 dB
Peak Right	-27 dB
- Control Outputs:** A row of eight checkboxes labeled 1 through 8.
- Help:** Provides information about the status page, player status, and source.

Status page
Overview of the status of the unit.

Player

 - Status**
 - IDLE: No audio stream is received.
 - BUFFERING: Audio stream is requested from the source, internal buffer is filled.
 - PLAYING: Audio stream is received from the source and played back.
 - PRIORITY: Audio stream on the priority port is received and played back.
 - STAND-BY: Unit is in stand-by mode, network activity is reduced to minimum, no audio stream is received.
 - Source**
Current streaming source: URL1, URL2 or URL3.

The second available AoIP option allows to play a Streaming IP only via Dante Audio over IP, AES67 RTP.

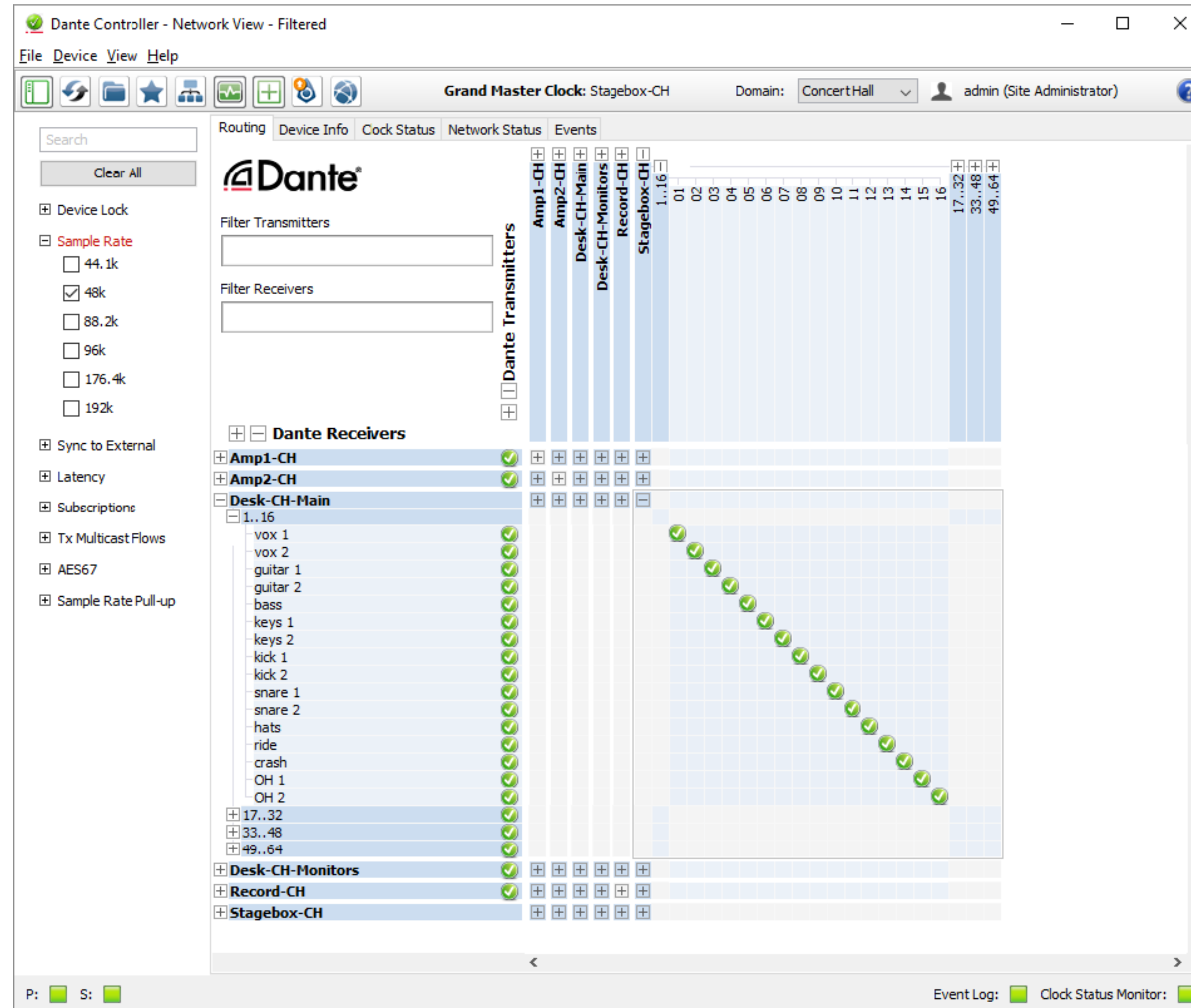
In this way it is possible to route audio around Dante networks.

Dante is an acronym or backronym for **digital audio network through Ethernet** and it is a common, proven protocol that improves on older options, like EtherSound and CobraNet.

In this case the Audio over IP module is supplied by POE.

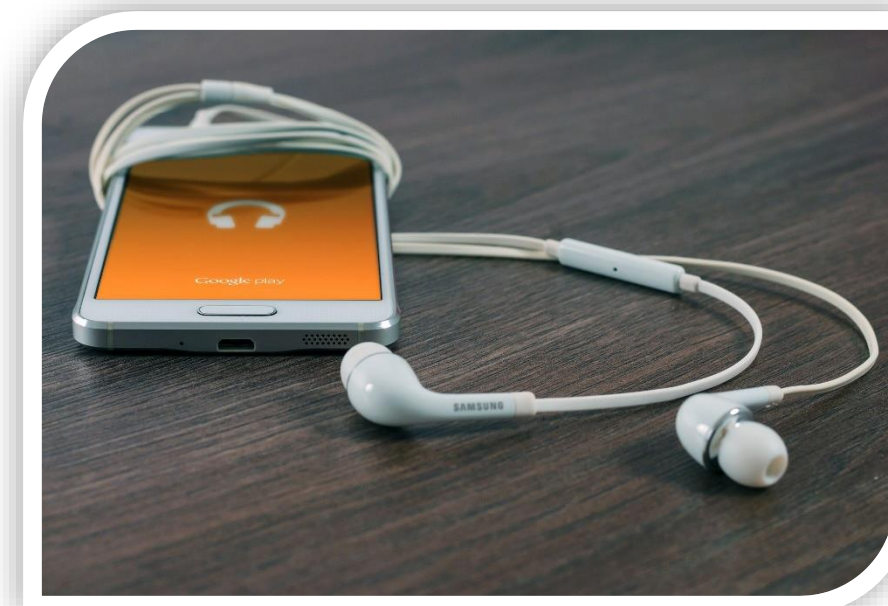
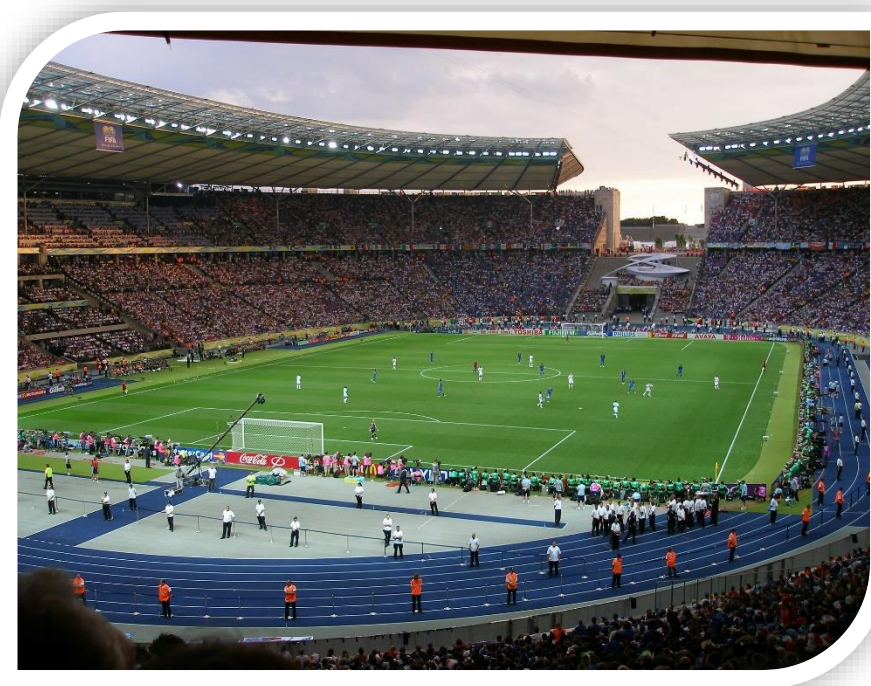


Graphical control interface is available for an easy setting of all main parameters.



Try the Digital audio from IP source: Mozart transmitters treat not only deep and warm sound from analog inputs but also pureness and high-quality digital audio in an analog transmission mode.

Contact us for more information!





DIGITAL BROADCAST

www.dbbroadcast.com