

Happy Birthday CENTAURI® – the world's first IP Audio Codec still sets the standard

CENTAURI

Five years ago we launched CENTAURI®, the world's first IP Audio Codec, featuring remarkable speed and unprecedented compatibility by utilizing MAYAH's FLASHCAST® technology. The first projects with CENTAURI® were the European Soccer Championships in Belgium / The Netherlands in May 2000.

Now, after five successful years, in which the CENTAURI® family has continued to grow in terms of possible hard- and software options, most major Radio and TV Stations worldwide are using or connecting to MAYAH CENTAURI®s on a daily basis via ISDN, E1 and X.21/V.35 or, increasingly, via IP in LANs and WANs as well as over the Internet.

After five successful years we are proud to announce the new CENTAURI® II Gateway Multichannel Codec

The next generation of CENTAURI®; the CENTAURI® II Multichannel Audio Gateway – combining impressive plug-and-play simplicity with power-user performance and features:

- All broadcast interfaces – ISDN, Ethernet (multi-/unicast), X.21, E1
- All broadcast algorithms – G.711, G.722, MPEG 1/2/2.5 Layer 2/3, AAC, AAC LD, MPEG 4 AAC HE, apt-X, Eapt-X, ADPCM4SB/MICDA, linear audio, J.41, J.57, mp3PRO, etc.
- Broad compatibility with existing infrastructures using MAYAH's Flashcast Technology
- Extensive audio I/O – mono, stereo, 4x stereo, 5.1 & 7.1 multichannel and
- The unique combination of

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CENTAURI® II 3000
CENTAURI® II 3001
CENTAURI® II 3300
CENTAURI® II 3301
CENTAURI® II 4001

01 GATEWAY means:

- Receive via ISDN and Streaming to a Server, or
- Receive an IP stream with e.g. Layer 2 at 384 kbps stereo then re-encode or re-stream it with MPEG 4 AAC HE, or
- Catching an IP AAC HE stream and sending it via ISDN in Layer 3 to another destination

02 BACKUP means:

- Main transmission via X.21 or IP and backup via ISDN, or
- Main transmission via IP and watching another IP stream in case of failure on the main stream

03 MULTICHANNEL means:

- Transmission of 4x stereo with various algorithms via IP, e.g. Eapt-X, or
- Transmission of 5.1 multichannel or 7.1 multichannel via IP or ISDN with various algorithms, e.g. AAC HE

04 POINT-TO-MULTIPOINT means:

- Distribution of Audio via ISDN to a maximum of 8 destinations with e.g. MPEG 4 AAC HE stereo, 64 kbps, or

- Distribution of Audio via ISDN to e.g. 4 destinations with MPEG 1 Layer 3 stereo, 128 kbps

05 DUAL CODEC means:

- Simultaneous transmission between Codec A and B as well as Codec A and C, with e.g. 128 kbps Layer 2 mono, or
- Simultaneous transmission between Codec A and B as well as Codec A and C, with e.g. 64 kbps AAC mono

06 FLASHCAST® means:

- Detection of received audio codec algorithm by sending test patterns and/or analyzing the bit stream. Flashcast works for more than 90 % of all encoded audio signals received. Operators do not have to get involved to get a synchronized connection.

07 STREAMING SERVER means:

- Streaming of up to 4 stereo signals with different encoding formats, e.g. 128 kbps Layer 3, 64 kbps MPEG 4 AAC HE, 384 kbps MPEG Layer 2 and 1.5 mbps linear audio
- Streaming in unicast (> 1000 streams) and multicast

Multichannel Backup

