

Zephyr XStream ISDN Codec (750 EUR)



Locatie **Noord-Holland, Amsterdam**
<https://www.advertentienx.nl/x-616068-z>

ISDN codec (let op, geen IP-codec)

Specificatie:
Full duplex, high-fidelity codec using MPEG-2 AAC, MPEG-4 AAC-LD MPEG-2 Layer-3, MPEG-2 Layer-2, AACPlus, and G.722; fully compliant with international standards.

Frequency Response

20 - 20kHz @ 48kHz fs (+0/-1dB, swept sine tone procedure)

AAC all modes except Stereo 64: 20-19,800Hz at 48kHz fs., 20-15,000Hz at 32kHz fs.

AAC Stereo 64: 20-10,000Hz at 48kHz fs., 20-7,000Hz at 32kHz fs

AACPlus mono (for use reception from the Xport): 20-15,000 Hz 48kHz fs

Layer 3 all modes: 20-16,000Hz at 48kHz fs., 20-15,000Hz at 32kHz fs

Layer 2 mono, dual mono: 20-7.8kHz/9.8kHz

Layer 2 mono 20-8.6 kHz at 24 kHz fs

Layer 2 stereo 20-13,000Hz at 48 kHz fs, 20-15 kHz at 32 kHz fs

Layer 2 mono 20-500Hz

Audio loopback, 48kHz fs, analog I/O, input at 1kHz +20dBu: 0.004%

Dynamic Range



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



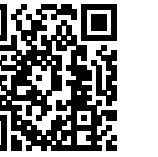
<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec



<https://www.advertentienx.nl/x-616068-z>
Zephyr XStream ISDN Codec

A Weighting, AAC, Layer-3 or 2 end-to-end: 101dB typical

Send Input

Active balanced with RF protection.

Zephyr Xstream:

LINE: Settable to -11 or +4dBu (or -15 to 0 dBu) nominal level

Clip point: 18 dB above chosen nominal level.

Impedance: > 10K Ohms (x2)

Connector: XLR female/quarter-inch TRS combo connector.

Zephyr Xstream MX and MXP:

LINE: -11 or +4dBu nominal level (switchable).

MIC: Accepts -65 to -24 dBu in 2 ranges (switchable). Mic impedance <!--= 1000 Ohms

Clip point: 15 dB above chosen nominal level.

Impedance: Line > 10K Ohms (x2)

Connector: XLR female/quarter-inch TRS combo connector.

Limiter

Zephy Xstream: Analog soft-clipper prevents A/D converter overload without loss of dynamic range.

Zephyr Xstream MXP: Internal DSP-based AGC/limiter with Omnia® audio processing. Includes presets for music & voice, selectable per channel.

Line Bit Rates (ISDN)

56 or 64kbps per channel, front panel selectable

Bit Rates (V.35/X.21)

56, 64, 112 (imuxed), 128 (imuxed), 96, 128, 256, 384 kbps front panel selectable

Receive Output

Active differential.

Level: Front panel selectable for -10 or +4dBu, nominal.

Impedance: < 33 Ohms (x2)

XLR male

AES/EBU Digital I/O (rackmount version only)

Sample rates supported: 32, 44.1 and 48kHz

Rate conversion: Input and output independently selectable. Can be bypassed.

Input clock: From external source or Telco clock.

Output clock: From transmission sample rate, external source, or AES/EBU input.

Inverse Multiplex/Demultiplex

Internal channel splitting/combining of two network channels for stereo modes.

AAC: Telos Zephyr protocol.

AAC-LD: Telos Zephyr protocol.

Layer-3: FHG/Telos Zephyr (Buchta) protocol.

Layer-2: CCS CDQ protocol compatible.

Optional V.35/X.21 Direct Digital Interface

Two ports, both V.35/X.21. Automatically selected when the appropriate cable is connected.

ISDN Interface

Compatible with National ISDN, AT&T 5ESS custom, Northern Telecom DMS-100 custom, Siemens EWSD, INS 64(Japan) and EURO-ISDN (ETS-300). Compatibility and approval pending in some countries; contact Telos for current.