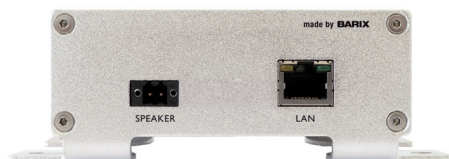


BARIX

THE VOICE OF SIMPLICITY

EXSTREAMER P5

Universal, Multiformat IP Audio Decoder with Amplifier, PoE powered



The Exstreamer P5 is a member of the Barix Exstreamer product family, versatile Audio over IP codecs (encoder/ decoder) for use in a wide field of applications, from broadcast to instore, from distribution of music in hotels to SIP telephone paging applications.

Based on reliable, embedded, low power, solid state technology, the device is ideally suited for 24/7 operations, does not need cooling or maintenance, and is not prone to usual issues caused by operating systems.

Ethersound (ES-100/Spkr) support allows the devices to be used as a dual channel receiver/ decoder in realtime audio distribution applications which target ultra low latency for live audio.

The Exstreamer P5 provides amplified audio (5W RMS) directly into an 8 Ohm speaker. The device draws its power from an 802.3af Ethernet connection.

A serial and IR port (on an RJ-45 connector) allows direct connection of the Barix VSC or similar in-room controls.

Various standard software packages for specific applications are available for download from the Barix website, from applications optimized for hospitality, retail and broadcast to a full featured SIP client, suitable as a paging interface. Custom software can easily be written, based on existing packages from Barix or freely in the ABCL (Basic dialect) scripting language.

Applications Exstreamer P5

- Overhead Speaker Interface with Amplifier
- Commercial audio streaming applications
- Playback point in an IP PA system
- In-room IP Device for Hotels, Venues
- In-store audio distribution
- SIP based paging interface
- Zone output device for IP distributed audio
- Ethersound (ES-100/Spkr) channel receiver

Software Exstreamer P5 available

- All-in-one solution for Audio over IP decoding and distribution
 - Supports IP standards such as TCP/IP, RTP, SIP, Multicast
 - Suitable for use in broadcast, paging, in-store applications
 - Supports Audio formats such as AAC+ V2, MP3, PCM, Ogg Vorbis, G.711
 - RS-485 Serial Interface for IR and local control
 - Integrated 5W RMS Amplifier, PoE (802.3af) powered
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Technical Specifications

Electrical

- Power supply via 802.3af (PoE) Ethernet, 15 Watt max.
- 10V supply output to in-room control

Ethernet

- 10/100Mbps auto, 802.3af
- RJ-45 connector with integrated Link/Activity LED
- Protocols: TCP/IP, UDP, RTP, SIP, DHCP, Multicast capable
- ES-100/spkr (Ethersound, output, no daisy-chain) support

Analog Output

- Amplified output, short circuit and overload protected
- Output power: 5WRMS (8 Ohm), 2,5WRMS (16 Ohm)
- Frequency response (-3dB): 20Hz ..12kHz (8 Ohm), 25Hz ..20kHz (16 Ohm) *
- SNR (-3dBFS): -90 dB (8 Ohm), -75 dB (16 Ohm)
- THD <0.7% (8 Ohm), <0.3% (16 Ohm)

Audio formats

- MP3 CBR/VBR, up to 320kbps, 8..48kHz sample freq.
- AAC, AAC plus, AAC-HE (AAC plus V2)
- WMA (up to version 9), Ogg Vorbis
- PCM 16bit @8, 16, 22.05, 24, 32, 44.1, 48 kHz
- G.711, uLaw, aLaw (sample rates same as PCM)

Control Interface (RJ-45)

- Direct support for Barix VSC (Volume Source Control)
- RS-485, 300..230'400 Baud asynchronous
- IR input on separate line
- 10V supply output for in-room control

IR Interface

- IR via serial port interface connection
- Supports Barix IR receiver (with adapter) and VSC

Mechanical

- Aluminum case, 300g, with mounting wings for direct wall mounting

Dimensions (W x H x D)

- 108x38x78.7mm (4.25x1.5x3.1 inch) plus mounting wings

Supported Audio formats

- PCM, G.711, G.722, MP3 encode/decode
- AAC+ decode
- PCM 16 bit and 8 bit (uLaw, aLaw) @ 8..48 kHz

Discrete I/O (Contact Closure Input)

- 1 discrete / dry contact input

MTBF

- Min. 440 000h
- Calculated acc. to MIL217F at 25°C

*depends on used codec, best results @48kHz PCM

Environmental

Operating Environment

0 to +55°C / 32 to 131°F
0 - 70% relative humidity, non-condensing

Storage Conditions

0 to +70°C / 32 to 158°F
0 - 70% relative humidity, non-condensing

Certifications/compliant with

RoHS, FCC, CE, C-Tick

Immunity

according to EN 55024, EN 61000-4-2, -4-3, -4-4, -4-5, -4-6

Emissions

according to EN 55022

Product Safety

according to EN 60590

Ordering Information

2010.9104 Exstreamer P5 PoE package

For commercial related questions (distributors contacts, price list, business opportunities) please contact
sales@barix.com

For technical inquiries (problem reports, request for documentation, etc) please contact
support@barix.com

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