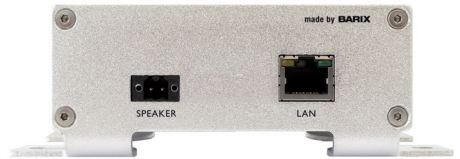


BARIX

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 in-store, 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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