EXSTREAMER
200-205

Universal IP audio decoders with amplifier and TCP/IP, RTP, SIP, Multicast, Ethersound® support

- **All-in-one solution for Audio over IP decoding and distribution**
- **Amplifier 2 x 25 Watt RMS**
- **Supports IP standards such as TCP/IP, RTP, SIP, Multicast**
- **Supports Audio formats such as AAC-HE, MP3, Ogg Vorbis, PCM linear, G.711**
- **Universal Serial Interface (RS-232), IR receiver, S/P DIF output, Line Inputs (model 205 only)**
- **USB or MicroSD flash connector for media storage**

The Exstreamer 200 and 205 decoding devices are members of the Barix Exstreamer product family of 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 devices are ideally suited for 24/7 operations, do not need cooling or maintenance, and are not prone to issues typical of more complex 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.

Both models provide an optical S/P DIF audio output, a headphone jack and two 25 Watt speaker outputs.
The 205 model provides line level inputs on RCA connectors for attaching a local source local source such as an MP3 player, phone or iPad.

I/O includes a serial port (RS-232) and built-in IR receiver. External flash memory can be connected to a USB port or a MicroSD card can be inserted into the device.

Various standard software packages for specific applications are available for download from the Barix website, from applications optimized for retail and broadcast to a full featured SIP client, suitable as a paging interface.
New custom applications can be easily written, or an existing Barix ABCL (Basic dialect scripting language) application can be adapted.

Applications

- **In-store audio distribution**
- **Reliable Internet Radio receiver/player**
- **Commercial audio streaming applications**
- **Paging/Public Address**
- **Hotel room audio system**
- **Digital message repeater/player**
- **SIP based paging interface**

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Technical Specifications

Electrical
24 VDC, 70 Watt max. on 2.1mm barrel connector
24 VDC Power supply (100-240 VAC) included

Ethernet
10/100Mbps auto,
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 (stereo)
2 x 25 W (RMS @ 8 Ohm) speaker outputs,
3.5 mm (1/8 inch) headphone jack,
S/P DIF out (optical),
Output level software controllable
Frequency response (-3 dB) 19 Hz .. 20 kHz *
Dynamic range 94 dB
SNR/THD -94 dB, <0.05%

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

RS-232 Interface
300..230'400 Baud asynchronous,
for serial tunneling or local control,
12 VDC supply output for external devices (100 mA max.)

IR Interface
Built-in IR receiver, IR remote control included,
Optional external IR receiver via serial port (IR Kit)

Mechanical
Aluminum case, 460g
rack and wall mountable using accessories

Dimensions (W x H x D)
108 x 38 x 125 mm (4.25 x 1.5 x 4.92 inch)

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

Environmental

Operating Environment
0 to +40°C / 32 to 104°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
Emissions	according to EN 55022
Product Safety	according to EN 60590

Model comparison table

MODEL	SPEAKER OUTPUT	MEMORY	LINE IN
200	2 x 25 Watt on 8 Ohm	USB	-
205	2 x 25 Watt on 8 Ohm	MicroSD	yes

Ordering Information

Exstreamer 200	EU/US package	2005.9055
Exstreamer 205	EU/US package	2011.9113

Wall Mounting Bracket	2006.9072
Barix 19" Rack mount	2007.9082
Cable Set Audio	2006.9054
IR Kit (Receiver + Remote)	2003.9017

For further information, product manual, application notes, available software, related products etc, please visit www.barix.com

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