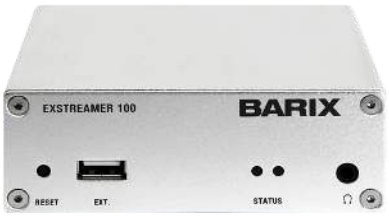
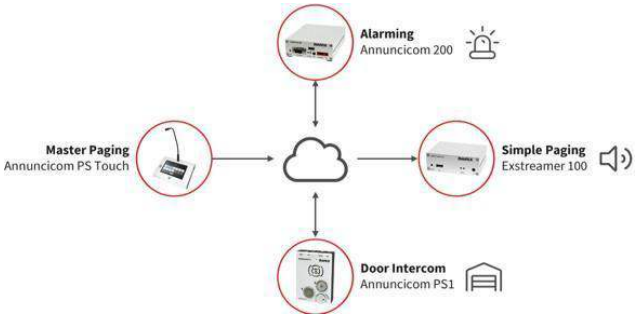
Exstreamer 1XX

IP Audio decoder with USB/Micro SD flash Interface and serial port.





The Exstreamer 1xx family of products decode IP Audio streams and play out the received Audio signal to amplifiers or speakers.

Supporting a large number of protocols, encoding methods and application specific firmware, the products can be used for Broadcast, Internet Radio, as well as VoIP applications. Control and local storage interfaces are device specific to match different use cases.

Applications

- Multiroom IP Audio System Receiver
- Instore Audio Player
- Internet Radio Receiver
- SIP and IP Paging Zone Device
- Digital Annunciator, Message Player,
- Message Repeater
- Generic VoIP decoder for IP Paging and Announcement applications
- Commercial Audio Streaming Application

Features

- AACplus, MP3, Ogg Vorbis, G.711, PCM Decoding
- IP Streaming via HTTP, TCP, UDP, RTP, Multicast
- Line Level Output (Stereo)
- RS-232 Serial Port
- Supply Voltage (9..30VDC, 12..24VAC)
- USB/µSD card Interface
- one low-voltage Relay (on Exstreamer110 & 120 only)
- built-in IR receiver (on Exstreamer110 & 120 only)

Technical Specifications

Electrical

- 9 to 30 VDC, 12 to 24 VAC, 6 Watt max.
- 2.1mm barrel connector

Ethernet

- 10/100Mbps Auto-negotiation
- RJ-45 connector with integrated Link/Activity LED
- Protocols: TCP/IP, HTTP, UDP, RTP, SIP, DHCP, SNMP, Multicast capable, webserver for control, status and configuration

Analog Output

- Line level output, 40..60 Ohm impedance on RCA and 1/8” headphone jack
- Output level software controllable
- Full scale output voltage: 5.6 dBu, 4 Vpp
- Frequency response (-3dB) 19Hz ..20kHz *
- Signal to Noise Ratio 87 dB *, THD <0.05% *

Discrete I/O

- 1 Relay 24V 0.5A (normally open, 110 & 120 models only)

Audio formats

- MP3 CBR/VBR, up to 320 kbps, 8..48 kHz sample freq.
- AAC-HE (AAC, AAC plus, AAC plus V2)
- Ogg Vorbis, WMA (up to version 9)
- PCM (L16, uLaw, aLaw), 8..48 kHz sample freq.
- G.711

IR Interface

- Built-in IR receiver and IR remote control included with Exstreamer 110 & 120 models only
- Optional external IR receiver via serial port (IR Kit)

RS-232 Interface

- Male 9-pin Sub-D connector
- 300..230‘400 Baud asynchron., tunneling or local control
- 12 VDC supply output for external device (100 mA max.)

Miscellaneous

- Green and red LED for status display
- Button for reset and factory defaults
- USB port (100 & 120 models only)
- MircoSD card slot (105 & 120 models only)

Display

- Backlit LCD, 2x16 chars (110 & 120 models only)

Mechanical

- Aluminum case, 250g
- Rack and wall mountable using accessories

Dimensions (W x H x D)

- W x H x D: 108x38x78.7mm (4.25x1.5x3.1 inch)

MTBF (Calculated acc. MIL217F at 25°C)

- Exstreamer 100 : min. 480 000h
- Exstreamer 105 : min. 460 000h
- Exstreamer 110 : min. 450 000h
- Exstreamer 120 : min. 430 000h

Model comparison

Model	Display	Memory	IR Receiver
100	-	USB	Optional ext.
105	-	MircoSD	Optional ext.
110	yes, 2x16	USB	yes, built-in
120	yes, 2x16	MircoSD	yes, built-in

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

Ordering Information

2005.9051 Exstreamer 100 EU package
2005.9052 Exstreamer 100 US package
2005.9056 Exstreamer 100 NoPSU package
2005.9057 Exstreamer 100 UK package

Exstreamer 105 OBSOLETE
2011.9109P Exstreamer 105 EU Package
2011.9110P Exstreamer 105 US Package
2011.9111P Exstreamer 105 NoPSU package
2011.9112P Exstreamer 105 UK package

2007.9079 Exstreamer 110 EU package
2007.9080 Exstreamer 110 US package
2008.9087 Exstreamer 110 NoPSU package
2007.9083 Exstreamer 110 UK package

2010.9100P Exstreamer 120 EU package
2010.9101 Exstreamer 120 US package
2010.9103 Exstreamer 120 NoPSU package
2010.9102 Exstreamer 120 UK package

2006.9072 Wall Mounting Bracket
2007.9082 Barix 19’’ Rack mount
2006.9054 Cable Set Audio
2003.9017 IR Kit (Receiver + Remote)
2014.0095 VSC Active Adapter

Environmental

Operating Environment
0 to +40°C / 32 to 104°F
0 - 70% relative humidity, non-condensing
* 0 to +50°C / 32 to 122°F
for model 100/105 with rated power supply unit

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

Certifications

CE, RoHS, others in examination

Immunity
according to EN 55024, EN 61000-6-2

Emissions
according to EN 55022, EN 61000-3-2, -3-3

Product Safety
according to EN 60590

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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