

# BARIX

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## EXSTREAMER 200-205

IP Audio decoder with S/PDIF and 2x25W amplified output, USB/microSD. Support of Internet Radio (AACplus, MP3, shoutcast, TCP streaming) and VoIP (SIP, RTP) codecs and protocols.



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The Exstreamer 20x devices manage and decode IP Audio streams and content, playing out the decoded audio through a built-in amplifier and S/PDIF.

Software Applications written for the device support a large number of protocols and audio formats.

Depending on the application, they make use of external content storage (MicroSD/USB), the IR input, serial port and the stereo audio input to enable the use of the device in a variety of applications, being it Broadcast, VoIP, Message storage and playback or as an IR controlled zone audio receiver/amplifier with local input.

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### Applications

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

### Features

- AACplus, MP3, Ogg Vorbis, G.711, PCM Decoding
  - IP Streaming via TCP, UDP, RTP, Multicast
  - Amplified Output 2x25W (8 Ohm)
  - Stereo headphone mini jack
  - Digital Optical Out (S/P DIF)
  - RS-232 Serial Port
  - USB/microSD Flash Memory Interface
  - IR Interface
  - Supply Voltage 24 VDC
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# Technical Specifications

## Electrical

- Supply Voltage 24 VDC, 70 Watt max.
- 2.1mm barrel connector

## Ethernet

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

## Analog Output

- 2 x 25 W (RMS @ 8 Ohm) speaker outputs
  - Headphone mini jack (3.5 mm, 1/8 inch)
  - S/P DIF out (optical)
  - Output level software controllable
  - Frequency response (-3 dB) 19 Hz .. 20 kHz \*
  - Signal to Noise Ratio 94 dB \*, THD <0.05% \*
- \* depends on used codec, best results @48kHz PCM

## 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, G.722

## IR Interface

- Built-in IR receiver, IR remote control included
- 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
- Recessed button for reset and factory defaults

## 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)

## Declarations of conformity

RoHS, FCC, CE, C-Tick

## MTBF (Calculated acc. MIL217F at 25°C)

- Extreamer 200 min. 460 000h
- Extreamer 205 min. 410 000h

## Model comparison

- Model 200: USB memory slot
- Model 205: microSD memory slot, Stereo Line in

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## 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

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## Certifications

### Immunity

according to EN 55024

### Emissions

according to EN 55022

### Product Safety

according to EN 60590

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## Ordering Information

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

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

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For commercial related questions (distributor 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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