

# 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.



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.

### 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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