



## Exstreamer 200-205

IP Audio decoder with S/PDIF and 2x25W amplified output, USB/MicroSD. Support of Internet Radio (AACplus, MP3, Shoutcast/Icecast HTTP 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 firmware/application, they use the external content storage (MicroSD/USB), the IR receiver, serial port and the audio line-in (Exstreamer205 only) to enable the function of the interfaces in a variety of applications, being it Broadcast, VoIP, Message storage and playout or as an IR controlled zone audio receiver/amplifier with local input.

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### Applications for Exstreamer

- 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/PDIF)
- RS-232 Serial Port
- USB/microSD Flash Memory Interface
- IR Interface
- Audio line-in (Exstreamer205 only)
- Supply Voltage 24 VDC

# Technical Specifications

## Electrical

- Supply Voltage 24 VDC, 70 W 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, SNMP, 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/PDIF 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

## IR Interface

- Aluminum case, 280g
- Built-in IR receiver, IR remote control included
- Optional external IR receiver via serial port (IR Kit)

## RS-232 Interfaces

- 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
- Reset 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)

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

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

## Model comparison

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

## Environmental

### Operating Environment

0 to +40°C / 32 to 104°F  
0 - 70% relative humidity,  
non-condensing

### Storage Conditions

0 to +85°C / 32 to 185°F  
0 - 70% relative humidity,  
non-condensing

## Certifications

CE, RoHS, others in examination

### Immunity

according to EN 55024

### Emissions

according to EN 55022

### Product Safety

according to EN 60590

## Ordering Information

2006.9055 Exstreamer 200 EU/US package  
2011.9113P Exstreamer 205 EU/US package  
2006.9054 Cable Set Audio  
2003.9017 IR Kit (Receiver + Remote)  
2007.9082 Barix 19" Rack mount  
2014.0095 VSC Active Adapter  
2008.9091 X8 Extension

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