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.

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)
- 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..230400 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

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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 +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

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**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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