

MP 1250 R

Audio D/A converter and network player



We have now reached the stage where many very interesting new audio sources (known as new media) have been introduced which have not found their way into really high-quality audiophile equipment to date. Many High-End enthusiasts consider MP3, iPod and other data-reduced music formats to be unacceptable. If we are talking about absolute High-End sound quality, then we have to agree, even though this view is really denying reality, bearing in mind the enormous number of users of these media. In any case, the quality of high-resolution or uncompressed data from hard discs is certainly superior to that available from the classic CD!

Since these new media undoubtedly offer great potential for further development, it was an obvious move for T+A to develop equipment which could exploit these capabilities better and more consistently, and to push development forward by a considerable margin in the direction of High-End. The MUSIC PLAYER is part of the new T+A E-series, and was the first network player to constitute a thoroughbred audio device with the ability to connect to networks and the Internet whilst providing excellent audio quality. The success of the E-series has been overwhelming, and this has persuaded us to develop a similar device for the R-series, i.e. a High-End network client and D/A converter equipped with absolutely first-class components and sub-assemblies, reflecting the usual quality level of R-series players.

Please note that the **MP 1250 R** is NOT a computer; it is a high-quality audiophile D/A converter into which we have implanted additional facilities, enabling it to exploit other digital sources by acting as a streaming client. This required us to develop a network-capable processor board featuring W-LAN, LAN, UPnP, USB and iPod ports. This means that the **MP 1250 R** can access everything which is able to deliver music: Internet radio, network music servers (NAS), USB media storage devices and iPod, including its control system. An optional supplementary retro-fit circuit board containing a High-End FM tuner and digital tuner will also become available as soon as the future formats are settled.

Rear view



The back panel of the MP 1250 R shows the enormous potential of this machine: it not only features High-End analogue outputs, but also a jitter-free digital output. Two high-quality

digital inputs (coax and optical) are available for converting external sources (e.g. set-top boxes), so that they can also exploit the superb sound qualities of the MP 1250 R just like the LAN, W-LAN, iPod and USB ports. The MP 1250 R can be remotely controlled like any other source device, i.e. via the master unit of the R-system, and is connected using the "R-Link" data bus socket. An RS 232 socket is available for updates.

Highlights



- Main circuit board with input switching for network and digital sources. Socket for optional modules.
- Streaming Client (SCL) provides the connection to Internet radio, all network sources, iPOD and USB sources.
- High-End analogue output section and converter circuit board, of symmetrical construction with completely separate channels. Double differential converters with signal processor, and the famous switchable oversampling algorithms of the R-player.
- High-performance mains power supply with sophisticated voltage stabilisation measures.
- Fully graphic-capable VFD screen for displaying all machine states and functions. Most of the MUSIC PLAYER functions can be controlled from the front panel.

Specifications

Formats

<i>Streaming Client formats</i>	MP3(cbr+vbr), WMA, AAC, FLAC, OGG-Vorbis, WAV
<i>Internet radio Database</i>	vTuner Internet Radio Service
<i>Supported media servers</i>	UPnP 1.1, Microsoft Windows Media Connect Server (WMDRM10), DLNA compatible servers

<i>Interfaces</i>	Ethernet 10/100, WLAN802.11/b/g, USB, iPod, 2 x SP/DIF Digitaleingang
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Audio

<i>Outputs analogue</i>	Stereo 2,5 Veff / 22 Ohm
<i>Outputs digital</i>	1 x coaxial IEC 60958 (LPCM)
<i>Digital input</i>	2 x SP-Dif (1 x coax, 1 x optical)
<i>D/A - Converter</i>	24-bit 352,8 kHz Sigma Delta, 8-time Oversampling
<i>Upsampling</i>	Freely programmable signal processor with four selectable oversampling algorithms
<i>Analogue filter</i>	Analogue filter 3rd order phase-linear Bessel filter, 100 kHz

Frequency response 2 Hz - 20 kHz
Total harmonic distortion < 0.001 %
Signal / noise 109 dB
Channel separation 106 dB

Dimensions (H x W x D) 7,5 x 44 x 39 cm
Weight 8 kg
Remote control über R-System
Finishes silver
black

We reserve the right to alter technical specifications