

Completion to the
main catalogue

MP 2500 R

PCM-DSD DAC and Multi Source SACD Player



T+A

MP 2500 R

Multi Source SACD Player



The MP 2500 R is our newest and most sophisticated Multi Source Player and PCM / DSD DAC in the R-Series. He has the same overall design philosophy and technical facilities like the smaller MP 2000 R MK II player. Both have been developed to reproduce high-res audio files without any trace of compromise. Instead of a CD mechanism we have equipped the MP 2500 R with the SACD drive from our High-End SACD player MP 3100 HV which is a completely new development.

As in the MP 2000 R MK II, PCM data is converted using our outstanding double differential quadruple converter with all its sophisticated digital signal processing. DSD data are handled by the unique analogue T+A true 1-bit DSD converter from the PDP 3000 HV, which processes the DSD data in native form as a bitstream rather than converting them. This makes it possible to reproduce DSD data up to DSD 512, as delivered by the USB input of the digital connecting board, to the highest level of quality.

The machine's streaming client takes the form of the new T+A high-res streaming board, which provides maximum resolution as well as the facility to access various music services, Internet radio, inclusion in the home network via LAN and WLAN, USB Master Mode and HD streaming from network servers.

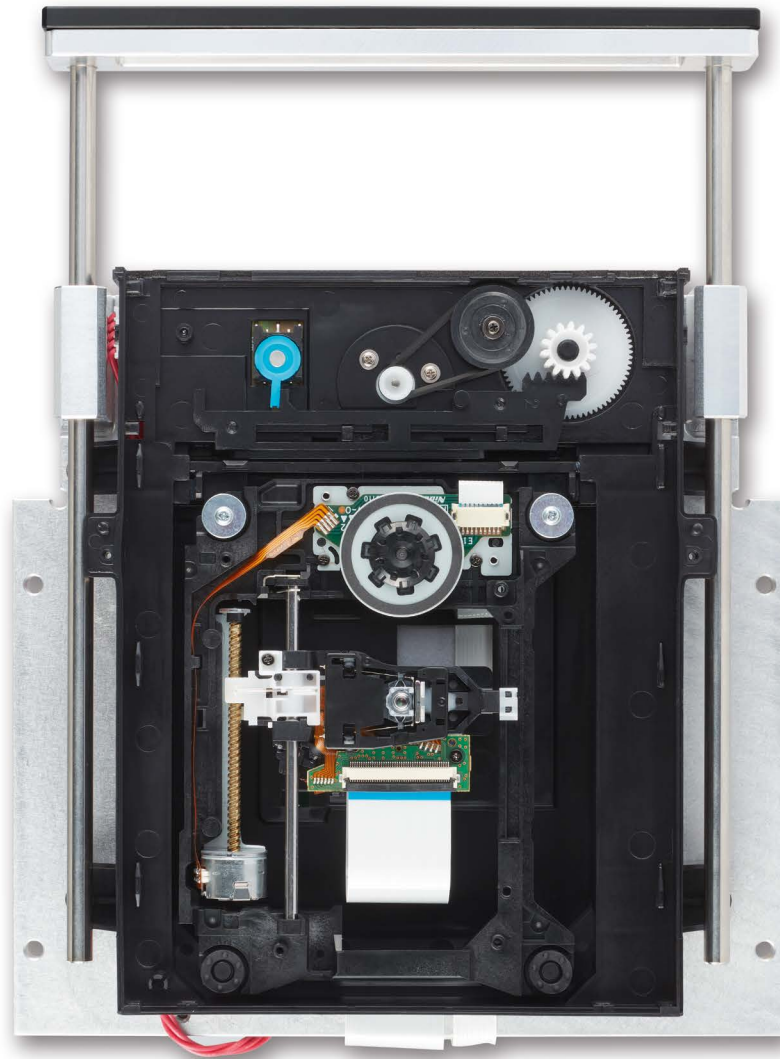
The digital tuner offers FM, FM-HD and DAB+ capability, and delivers excellent sound.

The MP 2500 R also includes a high-quality Bluetooth streaming module for transferring music from mobile devices.

The machine is controlled using the FM1000 infra-red remote control handset, or - ideally - the T+A Music Navigator App. In contrast to many manufacturers' Apps, this is capable of controlling every element of every function of our machines. Not only does it display the information pertaining to the streaming client, but also the screen content of all sources, such as the station name and radio text when used in FM radio mode. As an option the FD 100 bi-directional RF remote control system can be used as well. It displays the full content of the device screen and coverart as well.



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It is only natural that the SACD and CD continue to lose significance, as they are increasingly superseded by streamed content; a trend reflected very clearly in the huge success of our multi-source players with their extensive streaming facilities. However, it is clear that our audiophile customers still wish to be able to play music from CD and SACD, because none of us wants to throw away our old collection, and in any case there is an undeniable charm in owning a tangible data medium. In fact the SACD is currently experiencing what we can only term a renaissance all over the world.

Therefore we decided to develop a completely new, modern SACD mechanism incorporating the latest decoder technology, offering very short access times and outstanding error correction. It is capable of reading CD (PCM 44.1 kSps) and SACD (DSD 64 2.8 MHz) discs at the highest possible quality. We have invested a huge amount of effort in the mechanical design of the drive unit, incorporating a high-quality drive, double laser optics and heavy-duty motors.

With the aim of eliminating all traces of interaction between the moving parts of the disc drive and the remainder of the player our disc mechanism features a mechanical isolation. A heavy aluminium plate and a solid case, which act as a mass damping devices, thereby preventing any structural sound from the mounting surface finding its way to the electronics and the disc mechanism. The disc drawer runs on two accurately machined stainless steel pushrods, while the disc rests in a specially coated, high-quality ABS cradle.



Specifications

For more detailed information please see specifications of MP 2000 R MK II in the R-Series main catalogue.

SACD Unit	
Mechanism	High precision linear tracking drive. Double-Lasersystem: SACD: 650 nm, CD: 785 nm
Formats	SACD Stereo, CD, CD-R, CD-RW, SACD/CD Text
Frequency response / Dynamics	SACD: 2 Hz - 44 kHz / 110 dB, CD: 2 Hz - 20 kHz / 100 dB
Streaming Client	
Datarates	PCM 32...192 kHz, 16/24/32 Bit; MP3 up to 320 kBit, constant and variable Datarates
Music Services	Tidal, Deezer, qobuz (Subscription required)
Interfaces	LAN: Fast Ethernet 10/100 Base-T, WLAN: 802.11 b/g/n
Bluetooth Standards / Codes	A2DP (Audio), AVRCP 1.4 (Control) / aptX®, MP3, SBC
Radios	
Internet Radio	Airable Internet Radio Service (> 11000 Stations world wide)
FM, FM-HD	87,5 - 108 MHz; Sensitivity 1,0 µV; S/N > 65 dBA
DAB, DAB+	168 - 240 MHz (Band III); Sensitivity 2,0 µV, S/N > 96 dBA
Features	RDS/RDBS, Stationname (PS), Programtype (PTY), Radiotext (RT), Clock
Digital Connecting Board	
Inputs	2 x Coax, 2 x TOS-Link, 1x USB Device-Mode asynchron 2 x USB Master-Mode for USB-storage devices
Output	1 x coax, IEC 60958 S/P-DIF (LPCM)
D/A-Converter	
	PCM: Double-Differential-Quadrupel Converter with 4 D/A-converters per channel, 32-Bit Sigma Delta, 352,8 kSps/384 kSps DSD: T+A-True-1Bit DSD D/A-converter up to DSD 512 (22 MHz)
Analogue filter	Phase-linear Bessel filter of 3rd Order with 100 kHz cut off frequency
Audiodata	
Distortion / SN ratio / channel separation	0,001 % / 116 dBA / 110 dB
Outputs analogue	Coaxial (RCA): 2,5 Veff / 50 Ohms; balanced (XLR) 5,0 Veff / 50 Ohms
Remote control	FM1000, T+A MusicNavigator APP, optional bi-directional radio remote control FD 100
Mains / Standby	100-240 V, 50-60 Hz, 40 Watts / < 0,3 Watts
Dimensions (W x H x D) / Weight	16,5 x 46 x 40 cm - 6,5 x 18,1 x 15.8 inch / 11,3 kg - 25 lb
Finishes	Alu silver (43), Alu black (42), brushed

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