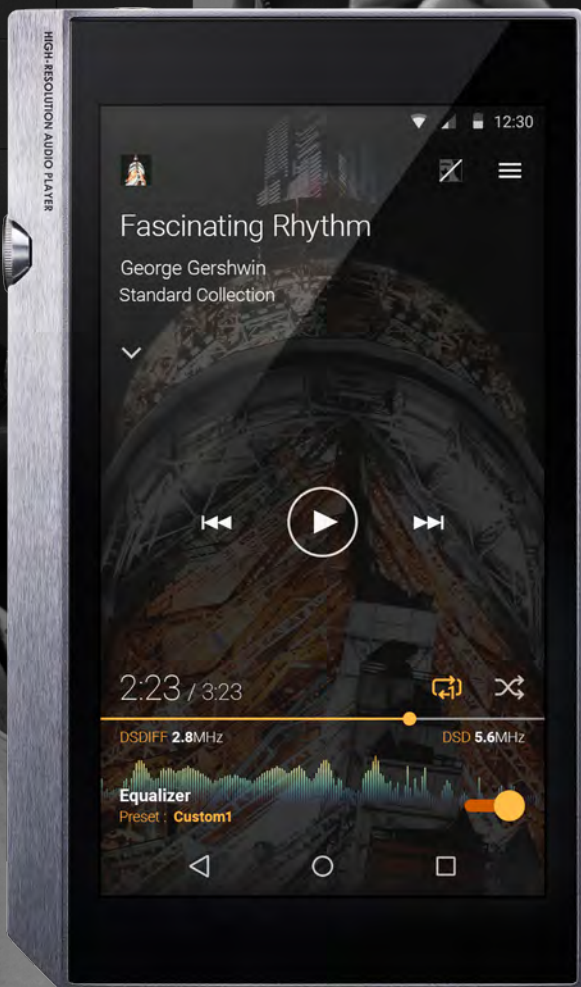


Pioneer



DIGITAL AUDIO PLAYER
XDP-300R





Inspire your music life, stimulate your senses.
Experience Hi-Res Audio with the XDP-300R.




Playback a multitude of Hi-Res Audio and experience it in the best possible way via the unique 2.5mm balanced output.

Enjoy Hi-Res audio to its full potential with playback support for most popular audio formats available for download including; 11.2MHz DSD, 384kHz/24 bit PCM, FLAC, ALAC, WAV, AIFF, and MQA. Equipped with both a 2.5mm balanced output and 3.5mm headphone output, audio can also be output via Micro USB-B/OTG digital output. XDP-300R also offers wireless output options to enable connectivity with a wide selection of headphones and peripherals.

Compatible Formats:

DSD (DSF / DSDIFF) / FLAC / ALAC / WAV / AIFF / MQA / OggVorbis / MP3 / AAC



DSD 11.2 MHz, PCM 384 kHz / 24 bit		
OUTPUT	DSD PLAYBACK	HI-RES PLAYBACK
2.5 mm out  3.5 mm out  (Line out mode)	PCM 192kHz / 24bit convert 11.2 / 5.6 / 2.8MHz -> 192kHz / 24bit	PCM 192kHz / 24bit convert 384kHz -> 192kHz / line-out mode 32bit float / integer -> 24bit
Micro USB-B Digital out 	11.2 / 5.6 / 2.8MHz Native DoP / Direct / PCM transfer	PCM 384kHz/24bit 32bit float / integer -> 24bit

Maximum DSD 11.2MHz, PCM 384kHz / 24bit output



Extreme high resolution playback. High end twin DAC & AMP setup.

Incorporating twin ESS Technology DACS ("ES9018K2M" x 2) and Headphone AMPS ("SABRE 9601K" x 2) allows for extreme high resolution audio performance with a component audio design philosophy which also provides hugely powerful output capabilities for a portable device.

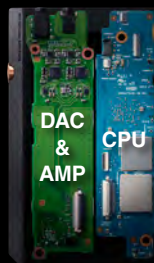


SABRE DAC "ES9018K2M"

Headphone AMP "SABRE 9601K"

Independent audio circuit board for eliminating noise.

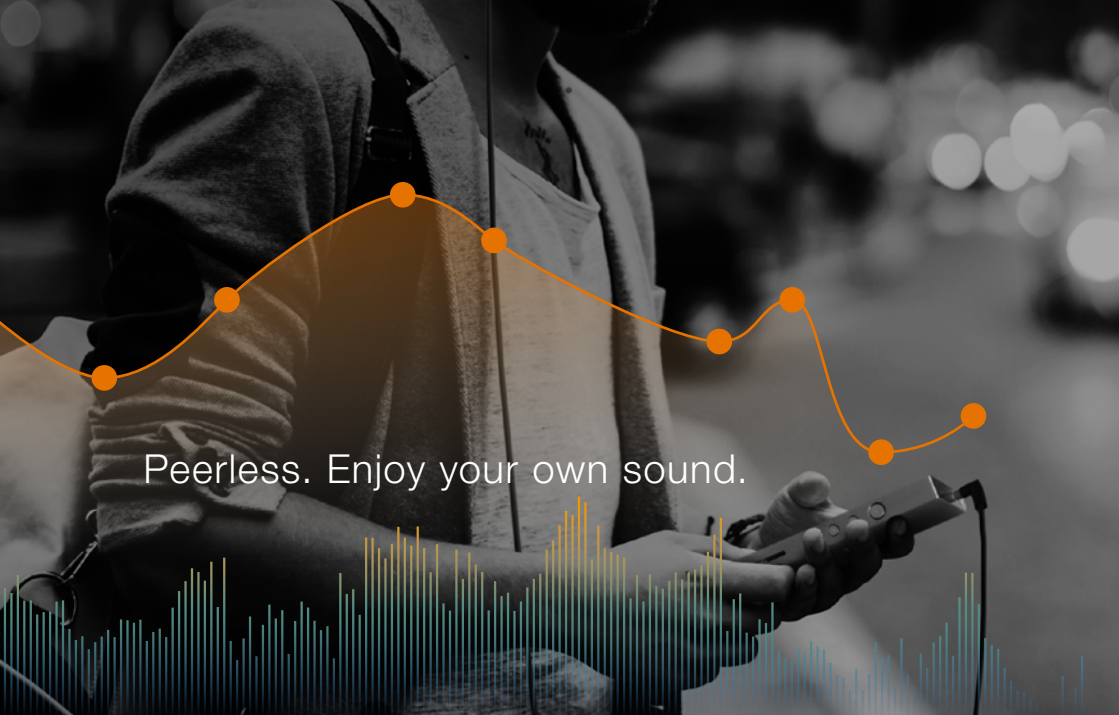
Complete separation between the audio circuit board (DAC & AMP) and CPU board provides an internally separated construction. Within the DAC & AMP board, the audio circuitry and switching power are distanced as far as physically possible from each other to limit the degrading effects of noise. The DAC & AMP have their own capacitors which provide a clean audio signal due to its closed loop design. Meticulous attention was paid to circuit design to keep digital noise from getting in between you and your music.



separated and isolated
circuit boards



power and audio circuits
distanced to avoid noise



Peerless. Enjoy your own sound.

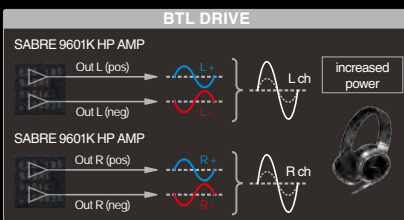
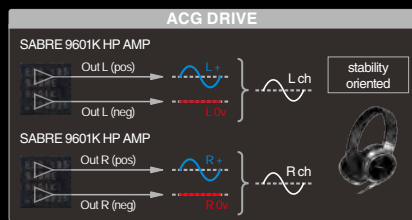
Two types of balanced drive to meet your needs.

Balanced output via the 2.5mm 4 pole supports the standard "BTL" drive as well as "ACG(Active Control GND)" drive. ACG drive is a different form of balanced drive where the amp's COLD side actively drives to create an ideally stable GND. Power gains and increased sound separation associated with balanced output are repurposed to create increased stability for a clean signal and greater sound clarity, especially compared to unbalanced drive.

ACG(Active Control GND) drive features

increased S/N ratio, greater spatial dimensionality, and clean sound
Greater delineation for lower frequencies in Hi-Res audio
Overall robust and taut sound

Balance output pin assign



Adjust sound level and characteristics to your desire. High Precision EQ-HD.

With up to 16,384 discrete bands to select from and the ability to save up to 1,000 EQ profiles, the linear-phase FIR equalizer offers high definition equalization with zero loss in audio quality.



High Precision EQ-HD

Hear it as you like,
see it as you choose.

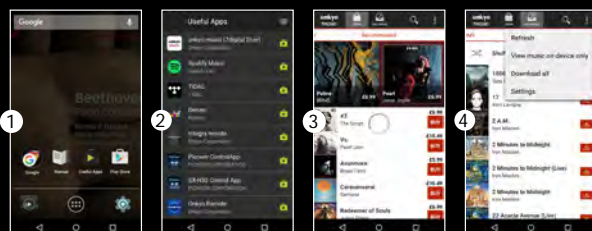


Intuitive GUI with smartphone style interface.

The capacitive touch screen incorporates a GUI that allows for swiping vertically between your often accessed playlists and equalizer settings at the flick of your finger. There is also a selectable GUI to display full color album art and rearranging of the button layout to the lower half of the screen for easier one handed operation.

All the music you want, wherever you want it. Download songs purchased from the OnkyoMusic Store directly without the need of a PC.

OnkyoMusic is included in the "useful apps" sections in countries that have an OnkyoMusic site.



onkyo music

- 1 Access OnkyoMusic from "Useful Apps"
- 2 Install OnkyoMusic
- 3 Purchase songs from the OnkyoMusic
- 4 Download songs from with the app



Part names

- | | |
|--|--|
| <ul style="list-style-type: none"> 1 2.5 mm balanced headphone jack (line out mode) 2 3.5 mm headphone jack (line out mode) 3 Volume Knob with 161 steps. (lock mode on/off) 4 4.7 inch (1280.x720) capacitive touch display 5 Microphone 6 Micro USB-B/OTG output (Power & Data transfer) | <ul style="list-style-type: none"> 7 Power 8 Next Track/FF 9 Play/Pause 10 Previous Track/REW 11 Dual micro SD card slots
(support for up to 200GB SDXC per slot) |
|--|--|



Lose yourself in the music.

Keep playing. Large capacity storage and battery life.

Equipped with 2 micro SD card slots(up to 200GBs each), the internal memory of 32GBs (including system area), provides access to up to 432GBs of storage for music, movies, and apps. With up to 16 hours* of Hi-Res audio playback, play to your heart's content.



**96kHz/24 bit FLAC unbalanced playback*

High quality audio, wirelessly.

Tether to your smartphone via Wi-Fi to enjoy Hi-Res audio streaming. Enjoy high quality sound wirelessly using Bluetooth and aptX.



Pioneer HiRes capable headphones

Headphones to enjoy HiRes audio to its fullest. From the Premium Sound based "SE-MHR5" to the club sound inspired "SE-MX8", select a HiRes sound that matches your taste.



SE-MX8-S



SE-MX8-K



SE-MHR5

Option



Protective glass

DPA-GL033(Clear)

Impact resistant, yet highly transparent glossy finish Asahi Glass Co. made glass cover. Oleophobic coating resists fingerprints, and rounded edges for easy application. (gross weight :8g)



XDP-300R protective case

XDP-APU300(B) (Black)

Designed to protect the edges and SD card slots, while still maintaining access to the physical buttons and ports. (gross weight :26g)

DIGITAL AUDIO PLAYER

XDP-300R

Specifications

OS	Android™ OS 5.1
Display	4.7 inch (1280 x 720) capacitive touch screen
Internal Memory	32GB (including system area)
Expansion Memory	microSD (SDXC) slot x2
Wi-Fi	802.11 a/b/g/n/ac (Wi-Fi Direct / WPS)
Bluetooth®	Profiles: A2DP / AVRCP / HSP / OPP / HID / PAN Codecs: SBC / aptX®
Supported Audioformats	DSD (DSF/DSDIFF) / FLAC / ALAC / WAV / AIFF / MQA / Ogg-Vorbis / MP3 / AAC
Sampling Frequency and Bitrate	44.1 kHz/48 kHz/88.2 kHz/96 kHz/176.4 kHz/ 192 kHz/352.8 kHz/384 kHz 16 bit/24 bit (32 bit float/integer will convert to 24 bit) 2.8 MHz/5.6 MHz/11.2 MHz (1 bit) PCM conversion
Supported Playlist formats	M3U / PLS / WPL
Supported Video formats	H.263 / H.264 AVC / H.265 HEVC / MPEG-4 SP / VP8 / VP9

Supported Picture formats	JPEG / GIF / PNG / BMP / WebP
Max. Output Power	75 mW + 75 mW (Unbalanced) 150 mW + 150mW (Balanced)
THD	less than 0.006%
Sensitivity	greater than 115dB
Frequency Response	20 Hz - 80,000 Hz
Impedance Response	Unbalanced: 16 - 300 Ω Balanced: 32 - 600 Ω
Input Terminal	2.5 mm 4 pole balanced output (w/LINE OUT mode pin assign from tip R-,R+,L+,L-) 3.5 mm 3 pole headphone output (w/LINE OUT mode) Micro USB/OTG output (Power & Data transfer)
Gain Setting	Low2 / Low1 / Normal / High
Gain Setting	Approx 16 hours (96 kHz/24 bit, FLAC unbalanced playback)
Dimensions HxWxD	128.9 x 75.9 x 13.0mm
Weight	200g
Included Accessories	Micro USB cable (1.0m) for power & data transfer

onkyo music

www.onkyomusic.com

*WiFi access required for data transmission | *Apps that require GPS, Camera, Gyroscope sensors may not operate properly | *OnTheGo operation requires a separately sold micro USB cable | *X-DAP Link support for Windows 7,8,10 only | *Android, Google, and Google Play are registered trademarks of Google Inc. | *ESS SABRE is a registered trademark of ESS Technology, Inc. | *Bluetooth® wordmark and logo are registered trademarks of Bluetooth SIG, Inc. | *aptX® mark and logo are registered trademarks of CSR, plc. | *Pioneer is a registered trademark of Pioneer Corporation | Other trademarks and trade names are the property of their respective owners. Features and specifications of the products described in this catalogue are correct at the time of printing. However, changes can be made still in the production stage. We assume no liability for any typographical errors. Please ask your Pioneer dealer whether the actual features and specifications match your requirements. A guarantee for the availability of the models depicted and described in your country cannot be given.

For more Information please visit: www.pioneer-audiovisual.co.uk

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