

# DP-X1A Digital Audio Player

BLACK



## Engineered to provide an Audiophile Performance

The DP-X1A is high quality audio player allowing playback of a variety of file formats, including music streaming and downloads from “Onkyo music” site. The DP-X1A delivers the best balance of immersive high-fidelity reproduction for a clear and natural sound anywhere, anytime. Lightweight, compact, and ruggedly designed, the DP-X1A will even make routine daily activities something to look forward to.

### ADVANCED FEATURES

- Audiophile Performance in a Compact, Portable, Practical Player
- Twin SABRE® ES9018K2M Digital-to-Analog Converters for Precision Hi-Res Audio Playback
- Twin SABRE 9601K Amplifiers to Drive: 16-300 ohm Unbalance 32-600 ohm Balanced
- Nippon Chemi-Con “MELODIO” Series Based Custom Audio Grade Electro-conductive Polymer Capacitor x8 pcs for Improved Audio Quality
- Symmetrical Channel Layout Equalizes Signal Paths to Minimize Stereo Errors
- Isolated Audio Circuit Design Minimizes Electrical Interference from Power Circuits and Dedicated Audio Grade Circuitry
- Separated and Isolated Structure “Android Board and Audio Board” to Avoid Digital Noise
- Supports Balanced Audio Output in Bridge-Tied Load (BTL) and Active Control Ground (ACG) Allowing for Greater Stability and Clear Soundstage
- Solid Aluminum Casing
- Class leading 4.7inch touch screen (720 x 1280)
- Android User Interface Provides Fast and Intuitive Access to Music
- Dual-band 5 GHz/2.4 GHz Wi-Fi® Enables Music Streaming for Installing Apps via Google Play.
- Bluetooth® Wireless Streaming Technology Plays to External Receivers - Profile: A2DP/ AVRCP/ HSP/ OPP/ HID/ PAN, Codec: SBC/apt-X Low Latency (Transmit only)
- Supports MQA Hi-Res Audio Format

- Up to 576 GB of Storage; 64 GB Internal Memory, plus two 256 GB micro SD card slots\*1
- Long-life Rechargeable Battery Returns Up to 16 Hours Playback\*2
- External Metal Volume Wheel and Playback Control Buttons
- Firmware Updates via Wi-Fi

### PERSONALIZED PLAYBACK

- Supports DSD 11.2MHz/5.6 MHz/2.8 MHz, DSD-IFF, FLAC, ALAC, MQA, WAV, AIFF (Maximum 384kHz/24bit<sup>3</sup>), AAC, and MP3
- Balanced Audio Output via 2.5 mm (1/32”) 4-Pole Headphone/Balanced Line Output for Compatible Headphones and External Components
- 24-bit Upsampling Modes for 88.2 kHz/176.4 kHz (44.1 kHz Signals) and 96 kHz/192 kHz (48 kHz Signals)
- Three Selectable Digital Filters to Suit Music Style (Sharp/Short/Slow)
- Seven-step Lock Range Adjustment (Wide/Normal/Narrow) Customizable for Phase-Locked Loop Timing
- Up to 16,384 discrete bands and ability to save up to 1,000 individual equalizer settings
- Four-step Gain (Low 1/ Low 2/High/Normal) to Drive Low and High Impedance Headphones of Any Type
- On-the-Go Playlist Creation Function, Skip/Scan, Play/Pause, Shuffle, and Repeat Functions
- Sort By Artist, Album, Song, Playlist, Genre
- Album Art Display, Song Information, and Audio File Information

### CONNECTION FEATURES

- Gold-plated 2.5 mm (1/32”) 4-pole Headphone/Balanced Audio Line Output Terminal for Bridge-Tied Load (BTL) and Active Control Ground (ACG) Modes
- Gold-plated 3.5 mm (1/8”) 3-pole Headphone/Unbalanced Line Audio Output Terminal
- Micro USB Terminal for Recharging, USB-OTG Digital Output when Connected to a USB DAC, and Data Transfer via Onkyo X-DAP Link Software for Windows® PCs and Mac®\*4
- Dual micro SD card Slots

\*1 Micro SD Cards are not included and not all brands are guaranteed to work

\*2 Playback at 32 ohms with 96 kHz/24-bit Hi-Res Audio. Individual results may vary with environmental and usage conditions.

\*3 32bit files down convert to 24bit automatically

\*4 Available for free download. Please consult Onkyo website for details.

# DP-X1A Digital Audio Player

## Sound tuned for the Audiophile

High quality mobile audio should not be outrageously expensive or difficult to use. While there are now many DAPs around to choose from, the DP-X1A delivers the best balance of immersive high-fidelity reproduction and everyday practicality. Lightweight, compact, and ruggedly made, the DP-X1A brings joy to your life with an adaptable and future-focused feature set that makes routine daily activities something to look forward to.



## Twin DACs and Amps for Balanced Audio

Twin SABRE DACs (ES9018K2M) and amplifiers (9601K) are laid out symmetrically and served by separate capacitors. Connect your headphones via 2.5 mm (3/32") 4-pole output to enable Balanced Audio Output with both DACs and amps employed simultaneously. Two modes are available: BTL, to increase driving power, and ACG mode for enhanced stability. Both modes offer a tangible increase in headroom and spatial dimensionality. Whether used in balanced or unbalanced mode, transparent audio reproduction gives insight and dynamic response you just can't experience with a smartphone.



## Universal Music Support

The DP-X1A supports MQA, DSD 11.2MHz/5.6MHz/2.8MHz, FLAC, WAV, ALAC, and AIFF up to 384kHz/24bit\*, and plays all popular compressed audio formats. Use dual-band Wi-Fi® and a hotspot to get glitch-free streaming from app downloads via GooglePlay to get unlimited music streaming.

\* 32bit files down convert to 24bit automatically



MQA



## Connect, Stream, and Cast

Dual-band 5 GHz/2.4 GHz Wi-Fi® supports streaming from on-demand music services. Bluetooth® and aptX® wireless technology lets you mirror content from DAP to a home audio system, wireless speaker, or car stereo. Both headphone jacks serve as line outputs, meaning you can access almost half a terabyte of music on virtually any hi-fi.



## Supports MQA, Tomorrow's Hi-Res Technology

MQA is not typical Hi-Res Audio, with a higher bit rate or higher sampling rate. It is a completely new and different way of capturing, delivering, and reproducing audio performances, and it preserves the magic of the original studio recording in a format that is still small enough to stream.



## DSD Conversion

Turn on "Real-Time DSD Conversion" and the DP-X1A converts music files such as MP3, WAV, and FLAC into DSD-quality audio. Use of oversampling and pushing bit quantization outside the audible spectrum allows for very clear signals. Everything sounds great!



## Noise Isolating Circuit Design

Similar to the build used in audio receivers, the DAC & amp board is separated from the CPU board to minimize noise and maximize performance. Within the DAC & amp board, the audio circuitry and switching power are also separated to reduce noise. The DACs & amps have their own capacitors to provide a clean audio signal with closed loop design that improves audio signal quality for all audio playback.



## High Precision EQ-HD

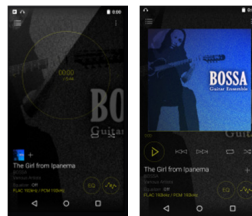
With up to 16,384 discrete bands to select from, and the ability to save up to 1,000 EQ profiles, the linear-phase FIR equalizer offers high definition equalization with zero loss in audio quality.

## Designed to Do What You Want

A music player interface should do simple things quickly and clearly: find music when you know what you want; present your collection when you don't; and offer access to skip, stop, and volume controls instantly. It should look also beautiful, and make online and offline transitioning seamless. This original interface ticks all boxes, looking crisp and bright and responding quickly to commands. Due to the device's small size, comfortable form, and external controls, you don't get frustrated on the go.

## Improved GUI

Innovative new GUI with flick transport control (playback, track advance) circular progress bar and physical buttons for all transport controls for "no look" operation, and standard full album artwork playback modes available.



## Direct Access to Hi-Res Downloads and Streaming

OnkyoMusic is a music download service for hi-res audio files. Install the OnkyoMusic app and there is no need to sync with a home computer. Music can be purchased and downloaded directly from the app within the player.



## Balanced Drive Options

Balanced 2.5mm 4-pole output supports the more standard Balanced (BTL) drive as well as the ACG (Active Control GND) drive. ACG drive gives greater stability: increased S/N ratio; greater spatial dimensionality, and clean sound; greater delineation for lower frequencies in hi-res audio, and overall robust and taut sound. BTL drive supplies increased power. 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.



## Android Platform

The DP-X1A has a super flexible and intuitive Android platform, and with its fast quad core, it can support heavy processing and many high function apps. The capacitive touch display allows for intuitive use of flicks, taps and scrolling gestures. All icons and physical buttons are positioned for easy operation. You have access to many apps like Tidal, Spotify®, Pandora® for almost endless music streaming and downloading resources.



## Manage Your Music Easily

Manage and transfer your non-DRM protected music to the DP-X1A. X-DAP Link searches your music libraries, including music purchased from other services, and transfers the song and related metadata to the selected storage location on the DP-X1A.



## SPECIFICATIONS

<b>Power Output</b>	150 mW + 150 mW (Balanced, 32 Ohms) 75 mW + 75 mW (Unbalanced, 32 Ohms)
<b>THD+N (Total Harmonic Distortion + Noise)</b>	Less than 0.006%
<b>Frequency Response</b>	20 Hz–90,000 Hz
<b>Signal-to-Noise Ratio</b>	Greater than 115 dB
<b>Headphone Impedance</b>	16 Ohms–300 Ohms (Unbalanced) 32 Ohms–600 Ohms (Balanced)
<b>DAC Section</b>	
<b>DAC Type</b>	SABRE ES9018K2M x2
<b>Maximum Resolution</b>	384 kHz/24 bit, DSD 11.2 MHz
<b>General</b>	
<b>Power Supply</b>	Internal Rechargeable 1.630 mAh Lithium-Ion Battery
<b>Dimensions (W x H x D)</b>	129 x 75.9 x 12.7 mm (5.1" x 2.9" x 0.5")
<b>Weight</b>	205 g (7.23 oz.)
<b>UPC CODE</b>	
(B) 814633020447	
<b>CARTON</b>	
<b>Outer Carton (15 units per carton)</b>	Dimensions (W x H x D) 287 x 165 x 569 mm (11.3" x 6.5" x 22.4") Weight 9.9 kg (22 lbs.)
<b>Single Carton</b>	Dimensions (W x H x D) 130 x 183 x 71 mm (5.1" x 7.2" x 2.3") Weight 590 g (1.3 lbs)
<b>Supplied Accessories</b>	
• Micro USB to USB Type-A cable x 1 • Quick Start Guide • Safety information and precautions x 1	

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