

WHITE NAVY BLUE PINK



## The Shape of a Beautiful Feeling

The time has come to free your headphones from smartphone sound and immerse your senses in the Pioneer XDP-02U. Sculpted to fit hands for comfortable touchscreen operation, and rounded to slip into your pocket, this player has a serious hi-fi build for sound that will blow your mind. Whether streamed over Wi-Fi® or played from 528 GB expandable memory, compressed music opens out in Hi-bit 32 Mode, the potential of your headphones unlocked for the first time. Dual DACs and amps shine with any audio, from MP3s to hi-res albums. *Bluetooth*® technology supports wireless connections and there's line-out and USB/OTG\* functions to share your music. Available in pink, white, and navy blue, the XDP-02U lets you experience your favorites songs with an intimacy you never thought possible.

\* Firmware update required.

## Perfectly Shaped for Hands and Pockets

The XDP-02U is designed around people. Its "round fit" concept and compact size sits comfortably in your hand as you explore music using a thumb on the touchscreen, while the soft edges fits pockets better. Three elegant colors (which match select Pioneer in-ear headphones) add a touch of personality.

## Listen How You Want To

The XDP-02U is like a streaming audio player, HDD, DAC/amplifier, and smartphone in one. It's obsessively built for amazing sound. With 528 GB expanded storage, Wi-Fi®, *Bluetooth*®, analog line-out, and digital output via USB/OTG\*, the ability to share music grows beyond your headphones.

\* Firmware update required.

## Supports All Your Audio Sources

Stream lossless albums from Deezer HiFi or TIDAL, enjoy a curated TuneIn station, download Hi-Res Audio albums from your Onkyo Music\* account (including those in MQA), and experience native DSD 5.6 MHz and 192 kHz/32-bit FLAC/WAV playback. Hi-bit 32 Mode boosts lossless and compressed listening quality.

\* Firmware update required.



## Personalize Sound to Your Music

Identify and enhance specific aspects of your favorite albums and adjust response for different types of headphones in your collection using a variety of audio customization functions. These include a precision 10-band EQ, bass enhancement function, three digital output filters, and 3-stage gain to boost headphone output volume. Enjoy music the way you want.

## DESIGN AND FUNCTIONALITY

- › Elegant rounded design fits comfortably in hands and pockets
- › Compact, lightweight, and highly portable in three unique colors
- › 2.4-inch full-color touchscreen (320 x 240 pixels)
- › Intuitive touch interface with customizable home-screen tiles
- › Up to 528 GB storage (16 GB internal/256 GB microSD x 2\*)
- › Built-in 5 GHz/2.4 GHz Wi-Fi® (802.11) for network streaming
- › *Bluetooth*® wireless technology\*2
- › Support for Deezer HiFi, TIDAL, and TuneIn streaming services\*3
- › Direct Hi-Res Audio downloads from Onkyo Music store\*4
- › Supports MQA, native DSD 5.6 MHz playback, DSD-IFF, FLAC/ALAC/WAV/AIFF up to 192 kHz/32-bit, MP3, and AAC
- › Easy side-button controls for volume, Play/Pause/Hold, and Skip/Scan
- › Pioneer DuoRemote App\*5 enables playback control from smartphone
- › Displays album art, song details, and audio file information
- › Playlist creation, folder playback, Index Display, and scroll bars for easy navigation
- › Rechargeable battery for up to 15 hours\*6 playback time
- › Pioneer X-DAP Link transfer software for Windows®\*7
- › Recharge with supplied USB cable
- › Robust construction and high-quality finish

## PREMIUM SOUND FEATURES

- › Twin ESS SABRE® ES9018C2M DACs
- › Twin ESS SABRE ES9601K high-output amplifiers
- › Dual clocks (44.1 kHz/48 kHz) for high-precision playback
- › Symmetrical channel layout and isolated processing/amp boards
- › Unbalanced 3.5 mm (1/8") and balanced 2.5 mm (3/32") headphone outputs
- › BTL (Bridge-Tied Load) and ACG (Active Control Ground) balanced drive
- › 3-Stage gain (Low/Normal/High) to suit different headphones
- › 192 kHz/32-bit and 176.4 kHz/32-bit upsampling functions

- › Precision 10-band equalizer with 6 presets and 3 customizable presets
- › 7-Step Lock Range Adjustment (Wide/Normal/Narrow)
- › Three selectable digital output filters (Sharp/Short/Slow)
- › 32-bit high-resolution Digital Signal Processing technology

## CONNECTION FEATURES

- › 3.5 mm (1/8") 3-pole headphone output and analog/line output
- › 2.5 mm (3/32") 4-pole balanced headphone output
- › Micro USB terminal for charging and data transfer (cable included) and USB/OTG\*4 digital audio output (cable not included)
- › Dual microSD Card slots

## SPECIFICATIONS & ACCESSORIES

- › Output power:  
75 mW + 75 mW (Unbalanced, 32 ohms)  
150 mW + 150 mW (Balanced, 32 ohms)
- › Frequency response: 20 Hz–80,000 Hz
- › Total Harmonic Distortion (THD): 0.006%
- › Signal-to-Noise ratio: More than 115 dB
- › Supported headphone impedance:  
16–300 Ohms (Unbalanced) 32–600 Ohms (Balanced)
- › Dimensions (WHD): 64.5 x 98.2 x 16 mm (2.5" x 3.9" x 0.6")
- › Weight: 125 g (4.41 oz.)
- › Approximate playback time:  
15 hours (32 ohms, 96 kHz/24-bit FLAC file, balanced, Wi-Fi and *Bluetooth* OFF)
- › Accessories: Micro USB to USB Type-A cable, protective screen film

\*1 microSD cards not included. Compatibility with all microSD Card brands cannot be confirmed. \*2 Profile: A2DP/AVRCP, codec: SBC. \*3 May require a subscription and is subject to regional availability. \*4 Enabled with a firmware update. Please consult Pioneer website for firmware update information. \*5 For iPhone, iPad, and Android™ devices. Devices require Low Energy (LE) support. Check App Store or Google Play for device and OS requirements. \*6 Measured at 32 ohms, 96 kHz/24-bit FLAC file, balanced, Wi-Fi and *Bluetooth* OFF. \*7 Please refer to Pioneer website for details on OS compatibility.



Carton: Dimensions (W x H x D)  
130 x 137 x 40 mm (5.1" x 5.4" x 1.6")

## Beautiful, Comfortable, Sophisticated

Fitting snugly into the palm of your hand, the smoothly rounded XDP-02U is simple to use with a thumb on the touch panel. Side buttons give easy access to controls including volume, Play/Pause/Hold, and Skip/Scan. Available in three colors, you'll appreciate the lush, premium feel of this product.



## Supports Hi-Res Audio

As well as the latest Hi-Res Audio formats such as MQA (a streaming-optimized container), native DSD 5.6 MHz playback, FLAC/WAV to 192 kHz/32-bit, and 44.1 kHz/16-bit CD audio, compressed files also sound incredible.



## Optimized Sound to Personal Taste

Different mixes, different masters... with the XDP-02U, you can adjust sound without hurting fidelity. Use the 10-band EQ, select from three digital filters, or upsample standard audio for 192 kHz/32-bit playback. There are three gain settings to suit your headphone type or volume preference.

## Wi-Fi® Connects You to Streaming Entertainment

Dual-band 5 GHz/2.4 GHz Wi-Fi® connects you to 36 million CD-quality songs from a 43-million-track library via Deezer HiFi subscription. TIDAL offers lossless albums to stream via its HiFi plan with access to about 46 million songs. TuneIn gathers 100,000 internet radio stations with podcasts, audiobooks, and more, while you can download Hi-Res Audio albums directly from Onkyo Music\*.



\* Enabled with a firmware update. Note access to streaming services is dependent on region and may require a subscription.

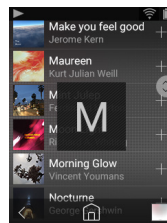
## Bluetooth® Wireless Technology

Bluetooth wireless technology connects the device to compatible wireless headphones and lets you enjoy music from the player on other supported devices.



## Intuitive Touch Interface

Customize your preferred order of home-screen tiles that take you to menus when tapped. You can create and edit playlists, play all songs in a folder, and navigate streaming services. Index Display and scrolling bars make navigating large volumes of music very quick and easy.



## Huge Storage Capacity

Expand 16 GB of onboard memory with two 256 GB microSD cards\* to achieve 528 GB storage. That's equivalent to about 5,000 Hi-Res Audio tracks. To refresh your library, pop a card into your PC, drag-and-drop your folders, or use X-DAP Link software to transfer data via supplied USB recharging cable.

\* Note microSD cards are not included.

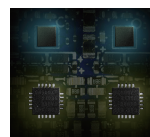
## Premium Design for Lossless Music

The XDP-02U features twin ESS SABRE® ES9018C2M DACs and twin high-output SABRE ESS9601K amplifiers. Each symmetrical L/R channel is fed by separate custom capacitors. The design leads to transparent reproduction and yields extraordinary detail on a spacious soundstage. The amps are powerful enough to drive headphones up to 600 ohms.



## Separate Circuit Boards

Audio circuits and processing system are on separate boards to limit noise interference. Battery and power supply are also isolated. Customized hand-selected components, such as audio-grade capacitors, are used throughout to achieve clearest possible audio reproduction.



## Dual High-Precision Clocks

The clock synchronizes data timing between devices. The XDP-02U has two clocks; one detects 44.1 kHz signals (for native playback of audio sourced from CD), scaling to 176.4 kHz, and the second upsamples 48 kHz signals to a maximum 192 kHz. Enjoy jitter-free sound suited to the original sampling rate.

## Two Headphone Outputs

The 3.5 mm (1/8") output is for standard headphones, and supports inline cable remote-control functions enabled on selected Pioneer products\*. For Pioneer SE-CH5T Hi-Res Audio In-Ear Headphones, press button once to play or pause, twice to skip forward, and three times to skip back. The 2.5 mm (3/32") 4-pole connection, meanwhile, enables balanced output. Signals for left and right channels are amplified separately. Pioneer offers the affordable SE-CH5BL Balanced In-Ear Headphones to enjoy enhanced detail reproduction and sense of spatial dimensionality.

\* Note: Remote-control function compatibility is guaranteed with Pioneer SE-CH5T headphones only. Remote control functionality with other Pioneer models and headphones of other brands cannot be guaranteed.

## Share Audio to Supported Components

The 3.5 mm (1/8") output is also an analog AUX and line output (the latter function can be accessed quickly via a button on the back panel). Jack into any component with an AUX or RCA input and let the XDP-02U perform D/A conversion for high-quality sound or use the USB/OTG\* output to connect your supported component.

\* Firmware update required.

## Go Hands-free with DuoRemote

Control the XDP-02U with your smartphone. The free Pioneer DuoRemote App\* tethers smartphone to the player with Bluetooth LE so you don't have to juggle devices on crowded public transport. Use your phone to adjust volume, play/pause, skip/scan, shuffle, and repeat songs. The app also makes Wi-Fi password entry easy with a smart keyboard supporting multiple languages.

\* Mobile devices require Bluetooth Low Energy (LE) support. Please check App Store or Google Play for device and OS requirements.



## INTEGRATED TECHNOLOGIES



Note: Onkyo Music support will be added with a future firmware update. Other specifications and design are subject to change without notice.

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