Dune HD Duo 4K

Sigma Designs SMP8758 ◆ 4K ◆ HEVC 10-bit ◆ VXP ◆ 24p ◆ 3D ◆ HD Audio

Full Blu-ray Menu Navigation ◆ Built-in Advanced Movies Catalog

1Gbit Ethernet ◆ Wi-Fi 802.11ac 2T2R ◆ 2xHDD SATA 3.5" ◆ USB ◆ SD Card

DVB-T/T2/C ◆ Smart Home ◆ Z-Wave ◆ Control4 ◆ IR Extender

Hi-End Music ◆ Super Audio CD ◆ ESS SABRE32 DAC ◆ XLR ◆ S/PDIF In

Dune HD Duo 4K is a new premium full-sized 4K network media player, based on the famous SMP8758 Hi-End chip from Sigma Designs, with professional-grade picture quality, audiophile-grade hardware, advanced media playback features, advanced connectivity and integration options, Smart Home support.

The new model is equipped with two hot swap 3.5" SATA HDD racks each supporting up to 10TB+ HDD, three USB ports, SD card slot, 1Gbit Ethernet, 802.11ac Dual Band 2T2R Wi-Fi, built-in DVB-T/T2/C tuner (for non-US version), built-in Z-Wave controller.

Additionally, Dune HD Duo 4K has a variety of advanced audiophile features, including the famous ESS SABRE32 Reference DAC (ES9018K2M), XLR balanced stereo audio output, S/PDIF audio input.

Key Features

- Hi-end media processor: Sigma Designs SMP8758 chip from the famous vendor of high-end media processors, with the new Dual Core ARM CPU (4x more power than before)
- 4K video playback: Decode 4K video content in various popular formats (including H.265 10-bit) (up to 4Kp30)
- 4K video output: Output 4K content with pixel-to-pixel precision to 4K TV
- SD/HD to 4K conversion: Automatically increase resolution of SD/HD content to 4K
- VXP: Professional-grade video processing engine for the best possible picture quality of any content
- HEVC: Play video encoded using the latest H.265 codec (2x picture quality increase over H.264)
- 10-bit color encoding: Play video encoded using the newest 10-bit H.265 standard
- Blu-ray menu: Enjoy full Blu-ray menu navigation or use simple BD Lite menu at your discretion
- True 24p output: Ensure perfectly smooth playback of Hollywood movies due to full support for 24p (23.976) framerate
- Advanced media player: Play video in MKV and other modern video file formats, including top quality 4K and HD with very high bit rates (100 Mbit/s+)
- 3D video: Play all popular 3D video formats, including MVC, SBS, Top/Bottom
- HD audio: Output studio-quality high definition audio tracks (Dolby TrueHD, DTS HD MA) to your A/V receiver
- Dolby Atmos and DTS:X 3D audio: Enjoy the newest 3D audio formats from Dolby and DTS using Dolby Atmos and DTS:X pass-through capability
- Hi-End music: Play very high-quality (up to 192 KHz / 24-bit and DSD512) music files in various Hi-End audio formats (FLAC, Monkey's Audio APE, WAV/PCM, Super Audio CD, etc)
- Super Audio CD: Play top quality SACD music files in various formats (ISO, DFF, DSF; stereo DSD, multichannel DSD, stereo DST)
- Network player: Connect to local network and play content directly from PC or NAS via UPnP/DLNA, SMB, or NFS
- HDD player: Play content from any HDD (internal, USB, NAS) of any size (including the newest 10TB+ HDD models)
- Two HDD racks with hot-swap function: Easily and quickly insert and exchange internal 3.5" SATA HDDs for nearly unlimited storage capacity expansion
- Silent cooling: Enjoy efficient and silent cooling of your internal HDDs due to 120mm high-end ultra-low-noise fan
- Built-in storage: 8GB flash memory for applications and system needs
- USB ports: Conveniently connect USB HDDs, USB flash drives, USB card readers, USB hubs and other USB devices
- SD card slot: Conveniently use SD memory cards
- Full range of A/V output connectors: HDMI output, S/PDIF optical audio output, S/PDIF coaxial audio output, analog stereo audio output, composite video output
- 1Gbit Ethernet port: Ensure the best performance when connecting to your local network via cable
- 802.11ac Wi-Fi with both 2.4 and 5.0 GHz support and 2T2R (two antennas): Ensure the best performance when connecting to your local network via air
- DVB-T/T2/C tuner (for non-US version): Watch and record digital terrestrial or cable TV channels (free-to-air broadcasts) with up to 4K video resolution and HEVC support
- IR extender: Easily organize hidden installation of the media player when needed via included external IR eye
- Control4: Integrate seamlessly into Smart Home installations based on Control4 technology via ready-to-use Control4 driver
- Z-Wave: Use built-in Z-Wave controller to build your Smart Home based on Z-Wave technology

Audiophile Features

- Audiophile-grade audio DAC: Enjoy audio quality of the famous ESS SABRE32 Reference DAC (ES9018K2M)
- Dual audio output: Use standard stereo RCA connectors or balanced XLR connectors
- XLR balanced stereo output: Use professional ultra-low-noise analog audio connection
- Galvanically isolated connectors: Benefit from reduced noise and jitter on all S/PDIF digital audio connectors
- Audio inputs: Use Duo 4K as a high-quality audio DAC by connecting external digital audio sources via S/PDIF

Other Features

- IPTV: Watch and record IPTV channels
- Internet radio: Listen and record Internet radio stations
- Applications: Easily install various applications and plugins with additional functionality from Dune Store or third parties
- File browser: Convenient file browser with powerful file management features (copy, move, delete, rename, organize, sort)
- Playlists: Build playlists from folders or use your own playlists, with repeat and shuffle functions
- Jukebox: Use various Jukebox applications to organize your media collection into a convenient user interface with cover-art browsing
- Customizable user interface: Enjoy a variety of user interface skins, customization options and Jukebox applications
- Internet browser: View Internet web sites on your TV using the built-in web browser
- HLS: Ensure the best quality of Internet video using Apple HLS adaptive bitrate streaming protocol
- DASH: Get access to the newest Internet video services using MPEG-DASH adaptive bitrate streaming protocol
- Video output flexibility: Output video in any resolution (from SD to 4K) and framerate (from 24p to 60)
- Video upscaling: High-quality upscaling of DVD and any other SD video content to 4K, Full HD (1080p) and other HD resolutions
- Auto framerate: Output video with original framerate to ensure absolute smooth playback for all kinds of content
- Auto resolution: Get maximum possible video quality when connecting to advanced TV / video processing equipment
- Dune Network Playback Accelerator: Special optimizations ensuring best-in-class network playback performance and enabling smooth playback of any supported kind of media content via any network protocol (including NFS and SMB)
- Built-in NAS function: Access files on attached storage devices (HDD, USB drive, etc) from local network (via SMB, FTP, UPnP/DLNA)
- Wi-Fi access point: Use media player as a Wi-Fi access point and Internet router
- IP control: Control media player from PC or iOS/Android mobile devices and integrate with various Smart Home environments
- iOS and Android apps: Use a variety of available companion applications for iOS/Android mobile devices

Package Content:

- Dune HD Duo 4K
- Power supply cord
- HDMI cable
- Ethernet cable
- External IR cable
- 2xWi-Fi antennas
- Remote control
- 2xAAA batteries
- User manual
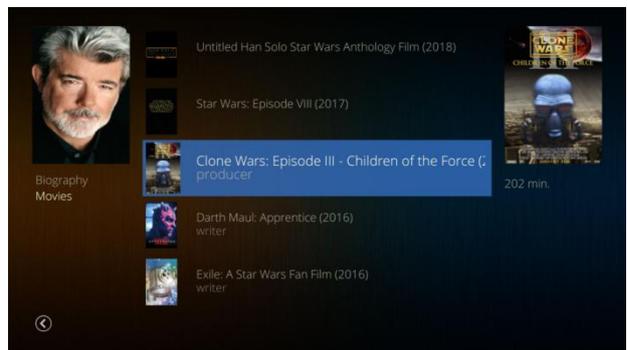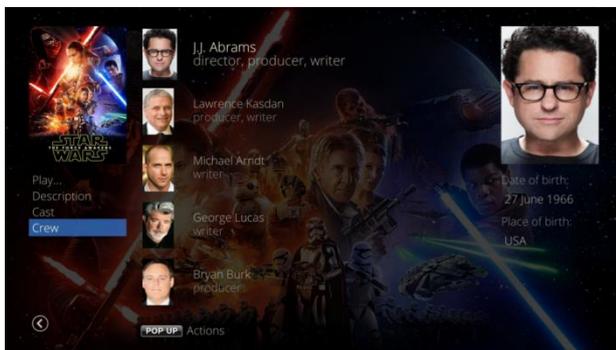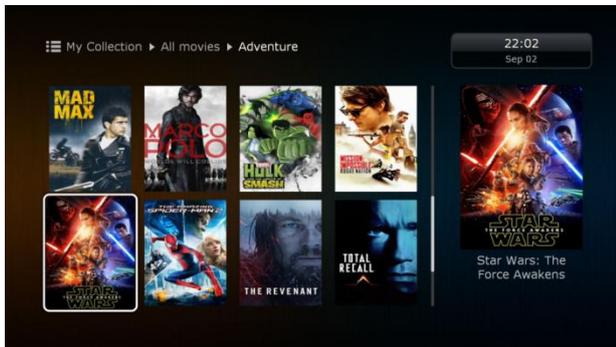- Quick Start Guide

Specifications

- Media processor: Sigma Designs SMP8758
- RAM: 2GB
- Flash memory: 8GB
- Connectors: 3xUSB host, SD card slot, HDMI output, optical S/PDIF audio output, coaxial S/PDIF audio output, composite video output, RCA stereo audio output, XLR balanced stereo audio output, coaxial S/PDIF audio input, external IR port, Ethernet (10/100/1000Mbit), two external Wi-Fi antennas, DVB-T/T2/C RF input/output, 100V-240V AC input
- Internal storage: Two internal HDD racks for SATA HDD 3.5", SD card slot
- Media Sources: Internal HDDs (SATA), external HDDs (USB), external optical disc drives (USB), USB devices (USB flash drive, USB card reader, etc), built-in SD card slot, PC and NAS in local network (SMB, NFS, UPnP/DLNA, HTTP), other Internet and local network media sources
- Video codecs: MPEG2, MPEG4, XVID, WMV9, VC1, H.264, H.265, H.265 10-bit; support for very high bitrate video (up to 100 Mbit/s and higher)
- Video file formats: MKV, MPEG-TS, MPEG-PS, M2TS, VOB, AVI, MOV, MP4, QT, ASF, WMV, BDMV, DVD-ISO, VIDEO_TS
- 3D video formats: MVC, Side-by-side, Top/Bottom; 3D OSD, 3D subtitles
- 4K video formats: H.265 up to 4Kp30, H.265 10-bit up to 4Kp30
- Video output modes: wide range of supported output resolutions (up to 1080p60 and 4Kp30) and framerates (including 23.976, 25, 29.97, 50, 59.94)
- Video output framerate: automatic (according to the played content) and manual
- Video output resolution: automatic (according to the played content) and manual
- Video processor: VXP professional-grade video processing engine
- Audio codecs: MPEG-1/2 layer I/II/III, AAC, LPCM, WMA, WMAPro, FLAC, multichannel FLAC, Vorbis, WavPack, APE (Monkey's Audio), ALAC (Apple lossless), AC3 (Dolby Digital), DTS; support for very high quality audio (up to 192 kHz / 24-bit and DSD512 24.576 MHz); HD audio bitstream passthrough (including DTS HD MA, Dolby TrueHD, Dolby Atmos, DTS:X)
- Audio file formats: MP3, MPA, M4A, AAC, WAV, WMA, FLAC, Ogg/Vorbis, WavPack, APE (Monkey's Audio), ALAC (Apple lossless), AC3, DTS, DTS-WAV
- Subtitle formats: SRT (external), SUB (MicroDVD) (external), text (MKV), SSA/ASS (MKV, external), VobSub (MP4, MKV, external SUB/IDX), PGS (Blu-ray, TS, MKV)
- Hardware 3D Graphics Acceleration: OpenGL support
- Picture file formats: JPEG, PNG, BMP, GIF
- Playlist file formats: M3U, PLS, CUE
- Photo viewer functions: slideshow, transition effects, picture rotation, zoom, browse playlist, repeat, shuffle
- Audio playback functions: browse playlist, repeat, shuffle, ID3 tags, plasma TV burn-in prevention
- Media streaming protocols: DASH, HLS, FTP, MPEG-TS over multicast-UDP, MPEG-TS over multicast-RTP, MPEG-TS over RTSP, MPEG-TS over HTTP, MP4 over HTTP, raw-MP3 over HTTP, raw-AAC over HTTP
- Network file browsing: SMB client and browser, NFS client, UPnP/DLNA client and browser
- Built-in NAS function: SMB server, FTP server, UPnP/DLNA media server
- Network protocols for remote control and integration: Dune HD IP control protocol (HTTP), UPnP/DLNA media renderer
- UPnP/DLNA: DLNA client, DLNA media server, DLNA media renderer
- Web browser: WebKit
- Ethernet: 10/100/1000 Mbit/s
- Wi-Fi: internal Wi-Fi module with 802.11b/g/n/ac support, Dual Band 2.4/5GHz, 2T2R, two antennas; Wi-Fi client, Wi-Fi access point/router
- Filesystems: FAT16/FAT32 (read-write), EXT2/EXT3/EXT4 (read-write), NTFS (read-write), HFS/HFS+ (Mac OS Standard/Extended) (read-only)
- Power: AC ~100V-240V, 50/60Hz, 60W

Additional Product Images

Extra Functions Screenshots

Advanced Movies Catalog

Operating built-in Z-Wave Controller via iOS/Android devices or web browser