Key Features:

Processor Realtek RTD1619DR
Dolby Vision
HDR10+
Zappiti MagicPixel V3 Video Processing
Dolby VS10 Video Processing
HDD Rack Enclosure up to 20 TB
ISO, M2TS, MKV, TS, MP4
DSD, WAVE, ALAC, FLAC
Dolby Atmos and DTS:X
AV Sync. Adjustment
Widevine Level 1 DRM
LED display HH:MM:SS
IR Extender
Backlite RC

The Zappiti Neo is the first model of the new Zappiti range now featuring Dolby Vision and HDR10+ powered by the Realtek RTD1619DR.

The Zappiti Neo is at the same time a high end media player and a media server capable of streaming content to other Zappiti devices within your house through the exclusive Zappiti Share advanced streaming protocol.

The Zappiti Neo supports the majority of digital audio and video formats, including the most modern 4K HDR standards such as Dolby Vision and HDR10+, almost all recent video file formats, full BD/UHD Menus, HEVC video codec with one billion colors (10-Bit color encoding), VP-9, 3D video standards with 3D subtitles, high resolution audio files such as DSD, FLAC, ALAC, or MQA up to 192kHz and features wide solid chassis, dual HDMI output with audio only for perfect audio video split, an audio-video sync settings option (forward/backward), 4K 60p compatibility, Dolby Atmos and DTS:X, for the best possible home theater experience. The Zappiti Neo offers Android 9, backlit remote control, multi-segment LED display HH:MM:SS controlled with dimmer option and internal bay for 3.5" hard drive (up to 20 TB). The Neo is compatible with Widevine Level 1 DRM to watch premium online video services in 1080p. The Zappiti Neo comes with an IR extender. This allows you to place your Zappiti Neo behind closed doors in a cabinet.

Integration

Zappiti products have been specially designed to operate in high-end installations and integrations using multi-level security locking, IP and IR control codes for ProControl, RTI, Control4*, Crestron*, Savant*, Philips Pronto, Elan*, URC* and Logitech Harmony, a Middle Atlantic rack mount kit and even a Zappiti API for high-end custom integrations. The Zappiti can also be controled by dedicated app available for tablet and smatphone (iOS and Android devices).

Coming Soon.

Zappiti Real Cinema

Cinema movies are shot at 24 frames per second (fps), but most video or Blu-ray files are recorded at 23.976 fps. Today, many multimedia players output a video signal at 24,000 Hz. However, this conversion generates problems of stuttering, in particular on video projectors. Zappiti Real Cinema technology maintains the original frame rate of the file, whether in 23.976 fps or 24,000 fps until the final display in order to enjoy the same fluidity as in the cinema and preserve the original integrity of the work displayed. On the other hand, thanks to autoframerate, the player automatically switches to the correct output frequency depending on the frame rate of the file, namely: 23.976 Hz, 24 Hz, 50 Hz and 59.94 Hz (60 Hz) depending on the type of file being played.

10-Bit & REC.2020

Enjoy an extended color range with the REC.2020 format (much broader color space than traditional video) and an increased number of shades (1024 levels instead of 256 levels per primary color) support for 10-bit color encoding format. The gradients will offer increased nuances; with colors more realistic and vibrant! And if your TV allows it, you can even use 12-bit output for even more subtle nuances.

Dolby Vision

The ultra-vivid image of innovative visual technology Dolby Vision®, brings characters to life with darker darks, brighter brights, and a remarkable color range you can't get anywhere else. Experience a remarkable color palette, sharper contrasts, and incredible brightness that feel more like looking through a window than at a screen. This is HDR like you've never seen it before. Discover subtle details you simply can't see with a standard picture, for a viewing experience without compromise, just as the filmmakers and creators intended. Zappiti Signature media player supports direct playback of full Blu-ray disc images (BDMV and ISO) with menus in Dolby Vision (MEL and FEL), as well as various file formats including MKV, MP4, TS, and M2TS. All popular Dolby Vision profiles (P4, P5, P7 MEL and FEL, P8) are supported. The extended Dolby Vision metadata is used and transmitted to the TV to improve picture quality.
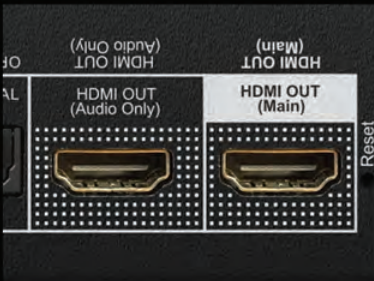
HDR10+

The Zappiti Neo is compatible with the HDR10+ technology. HDR10+ is the latest and most advanced HDR technology, building upon HDR10 to further enhance the viewing experience. HDR10+ signals not just the dynamic range (the ratio of light to dark) of video content on a scene-by-scene (or even frame-by-frame) basis, it also provides, in a small amount of metadata, the scene characteristics between bright and dark so that important detail can be kept. This enables displays to reproduce images more realistically, adhering to the creator's intent. Whereas static HDR, such as HDR10, utilizes static tone mapping uniformly across the duration of the content, HDR10+ employs dynamic tone mapping to optimize each scene individually increasing brightness and adding contrast to fit within a display's capabilities.

HDR > SDR

With the VS10 processor, any HDR content is converted into traditional SDR with perfect color grading. In addition, the Zappiti MagicPixel processing converts Ultra HD video content into extremely high-quality 1080p uncompressed 4:4:4 video for viewing 4K content on Full HD 1080p displays. This process increases the resolution by about 30% compared to Blu-ray on a 1080p TV or projector. With Zappiti MagicPixel v3 and VS10 technologies combined, you can benefit from the benefits of the 4K UHD contents on your 1080p TV or projector. Less compression. More colors. More details! For some 4K projectors, the HDR > SDR conversion by Zappiti provides even better results than the direct HDR display managed by your projector.
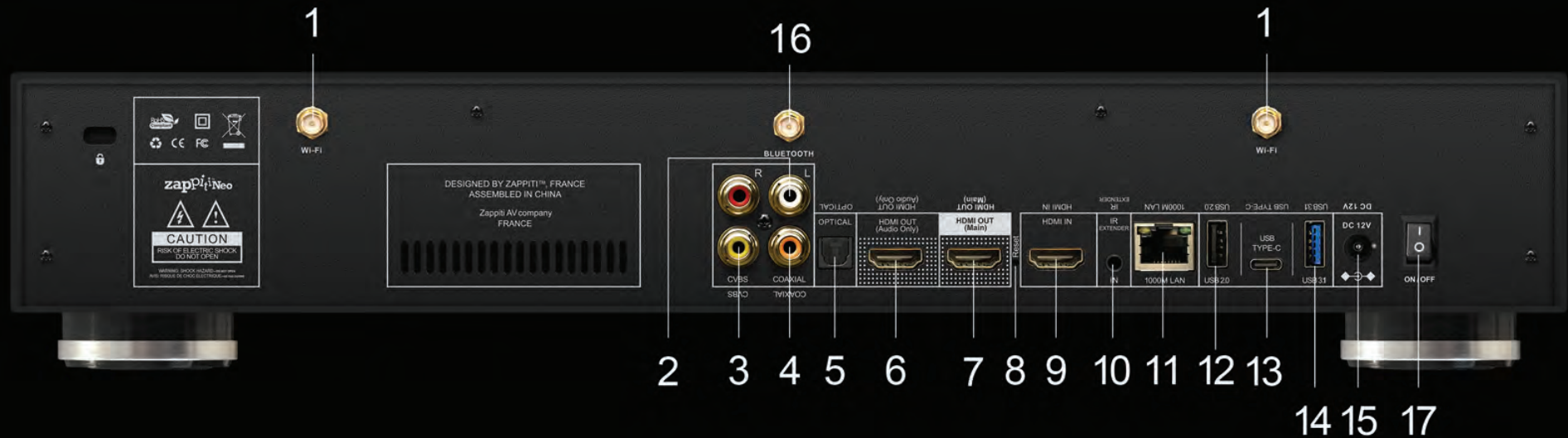
Dual HDMI Output

The Zappiti Neo features two HDMI outputs – one HDMI Out Main port for connecting to the latest UHD 4K TVs, projectors and A/V receivers, and an additional HDMI Out Audio Only port (v1.4) dedicated to audio for connecting to older A/V receivers and for better audio performances. The HDMI Audio Only port features a high-stability, high-precision clock. This design significantly reduces jitter and eliminates timing errors, allowing you to enjoy your audio & video contents with increased accuracy when you use the audio-only HDMI output port for connecting the audio signal to your A/V receiver. In addition, on the video output, the audio stream is automatically muted when the HDMI Audio Only output is used, thereby reducing the effects of video noise on the main HDMI output.

Top-Quality Components

The Zappiti Neo is based on the latest generation Realtek RTD1619 processor which is +77% faster than 4-core ARM A53 used in the previous generation media players. It includes a ARM Mali-G51 MP3 which is +50% faster than Mali T-820 used in the previous generation media players. The Neo embed 4 GB of RAM memory and 32 GB NAN eMMC.

1. Wi-Fi Antenna
2. Analog Audio Output Right / Left
3. Analog Video Output CVBS
4. Coaxial Digital Audio Output
5. Optical Digital Audio Output
6. Audio HDMI Output (Audio only)
7. Main HDMI Output (Video + Audio)
8. Restore
9. HDMI Input

10. IR IN (IR extenter included)
11. LAN 10/100/1000
12. USB 2.0 Host
13. USB TYPE-C
14. USB 3.1 Host
15. DC Power 12V 3A
16. Bluetooth Antenna
17. Power ON/OFF

Wi-Fi and Bluetooth Antennas

zappiti Neo

AUDIO OUTPUTS / INPUTS

- HDMI Out 2.0b (Video & Audio)
- HDMI Out 1.4 (Audio-Only)
- HDMI In 2.0b (Video & Audio)
- Coaxial Digital Out
- Optical Digital Out
- Analog Audio Stereo RCA Out
- Video CVBS Out

DRMs

- Widevine L1 DRM: Watch premium online video services in 1080p and UHD. Security Level 1 (L1) is a complete processing performed in a Trusted Execution Environment (TEE). This level refers to the highest level of DRM (hardware DRM) and let Zappiti to stream premium video services at resolutions up to UHD quality. Level 2 cannot stream videos higher than 480p.

TECHNICAL

- Chipset Realtek RTD1619DR.
- CPU ARM Cortex-A55 (hexa core). +77% faster than 4-core ARM A53 used in the previous generation media players.
- GPU ARM Mali-G51 MP3. +50% faster than Mali T-820 used in the previous generation.
- 4GB RAM. 2x more than in the previous generation media players.
- 32GB NAN eMMC. 2x more than in the previous generation media players.

DIMENSIONS

- 16.92in × 3.14in × 13.5in (W × H × D) (43.0cm × 8cm × 28.5cm)

WEIGHT

- 8.59lb (3.9Kg)

POWER

- Max consumption: 42W
- Typical: 39W (Without HDD)
- High power standby: 9W
- Low power standby: 0.02W
- External Power Supply DC 12V (3A), AC 100-240V

NETWORK

- Gigabit Ethernet (1000 Base-T), Wi-Fi, Bluetooth

OTHER CONNECTIONS

- USB 3.1, USB 2.0 x2 (front & back), USB Type-C

CONTROL

- Ethernet control from Crestron, Control4, Savant, RTI, ProControl, URC, Elan, Logitech, the Zappiti Media Control App for tablet and spartphones. (Coming Soon).
- IR input with provided IR Extender

STORAGE

- Dual HDD Rack up to 20 TB of internal storage

VIDEO DISPLAY FORMATS

- Resolutions: 2160p60/50/30/25/24, 1080p60/50/24, 1080i60/50, 720p60/50, 576i, 576p, 480i, 480p
- Chroma: 4:4:4 8-bit up to 2160p60, 4:4:4 10/12-bit up to 2160p30, 4:2:2 12-bit up to 2160p60, 4:2:0 8/10/12-bit at 2160p50/60 only
- Color spaces: BT.2020, BT.709, BT.601
- Aspect ratios: 1.78:1 and 2.35:1 (Cinemascope), user interface selectable
- HDR support for HDR10, HDR10+, Dolby Vision and metadata
- DTS:X, Dolby Atmos, Auro3D

AUDIO FORMATS

- DTS-WAV, MPEG, MP3, ALAC, APE, M4A, M4A, AIFF, WAV, WavPack, VSELP, FLAC, AAC, AAC-LC, HEAAC, HE-AAC v2, AMR-NB, OGG, LPCM, PCM, ADPCM, MQA, SACD ISO, DSF, DFF (DSD).
- DTS:X Pro, DTS:X, Dolby Atmos, Auro3D
- DTS-HD MA, DTS-HD HRA, Dolby TrueHD, EAC3

MEDIA

- Video File Formats: UHD ISO, 3D BD ISO, BD ISO, BDMV, MKV, MKV 3D, MK3D, MPEG-TS, MPEG-PS, MPEG, MPE, MPG, TS, TP, M2TS, VOB, AVI, MOV, MP4, QT, WebM, DVD-ISO, VIDEO_TS, RMVB, RM, DAT, VOB, 3GP, FLV, DAT, AVCHD 2.0 (AVCHD 3D, AVHD Progressive).
- Video Codecs: HEVC, H.265, x265 (up to Main10 Level 6.1 High 60p in 4K), MVC, AVC, MPEG-2, MPEG-4, VC-1, H.264/x.264 (up to 60p in Full HD and 24p/20 Mbps in 4K), FLV, AVS, XVID, DIVX (from version 4), Sorenson Spark L70, VP9 HW (up to 4K 60p) ; ultra high bitrate support (up to 400 Mbit/s in HEVC 4K).