

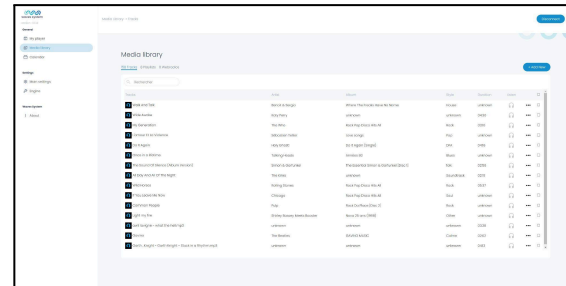
AP420 – AP420 Wifi

Public address audio player

The most intuitive audio player for background music and messages automation



waves system



Professional player for background music and messages

Schedule and broadcast your webradio stations or local playlists.

Secure 24/7 broadcasting thanks to our **Continuum** technology.

Two audio tracks allow you to mix music and messages.

Manage your content with the web administration

Manage your broadcast with an easy to use embedded CMS especially designed for everyday use.

Adapt instantaneously your communication.

Display the tracks currently playing in your information system.

Manage your fleet from the web with Wavespark

Monitor your fleet at a glance.

Play your favourite playlists in all your stores.

Schedule your advertising campaigns.

Successful in all use cases

Connect the player to an NTP server or use it offline.

Create all your interactive scenarios using the input contact or by connecting a Nexmosphere sensor via the RS232 interface.

Create a web-based remote control without writing a single line of code.

Switch amplifiers with the output relays.

Pro Audio quality

Professional audio DAC 24 bits/96 kHz.

USE CASES

Broadcasting of background music, announcements and adverts for retail chains worldwide.

Complex scheduling of announcements in amusement parks.

Triggering of priority announcements—such as birthday messages, evacuation alerts or upbeat playlists—via smartphone.

Creation of multiple priority levels for educational institutions, the healthcare sector and warehouses.

made
in
France

3
years
warranty

Interfacing and connectivity

- Standby / Power multi purpose switch
- Status LEDs (Network, Activity)
- MicroSD card slot
- Unbalanced line-level stereo audio output on standard RCA connectors (configurable level -10 dBv to +4 dBu)
- 10/100 Mb Ethernet on RJ45 connector
- 3 USB Host 2.0 High Speed (480 Mb/s), type-A receptacle
- 1 input contact on 3.81 mm pluggable terminal block
- 2 MOSFET relays (normally open – 2A per output, max 24 V) on 3.81 mm pluggable terminal block
- RS232 connection via USB
- AP420 Wifi only: Wi-Fi IEEE 802.11 b/g/n – Single Band 2.4GHz – Detachable antenna

Audio

- High quality DAC – SNR>=96 dBa
- Sample rate: up to 96kHz
- Bit depth: 16/24-bit
- Supported audio file formats: .mp3, .wav, .ogg, M4a, .flac
- Compatible audio codecs: LPCM, MP3, AAC-LC, HE-AAC-LC, Vorbis, FLAC
- Support audio stream types: Icecast, shoutcast
- A music layer and a priority message layer with additional gain
- Continuum feature: endless 24/7 secured broadcast

Storage device

- USB flash drives and micro SDSC/SDHC/SDXC cards
- File systems supported: FAT32 / exFAT / NTFS / ext3/4
- Internal storage: 4 Gb, extension option

Network

- Embedded remote administration
- Configure, control the player and content update
- Embedded TCP/IP / UDP server for player control
- Embedded NTP client to synchronize the clock
- IPv4 and IPv6
- IPv4: static or DHCP address
- Supported secure protocols: HTTPS, SSL...
- Public API for retrieving status and playback information
- Supported Wi-Fi USB sticks: TP-Link TL-WN722N & TL-WN725N

Wavespark

- Players fleet / multi-account supervision
- Configuration, control and content update
- Media library, playlists and webradios management
- Scheduling
- No-code scenario builder
- audio normalization, broadcast reports and proof of play

Misc.

- DC Power supply 9V to 24V – Plug Ø 2.1 mm / 5.5 mm
 - Precise built-in clock
 - 19-inch / 1U rackable, accessory in option
 - Width: 192 mm
 - Length: 129 mm
 - Height: 44 mm – 1U
 - Weight: 546g
 - CE, FCC
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