

Public address audio players

AP420 / AP430

The perfect range of audio sources for all public address integration



AP420



AP430

Endless audio streaming possibilities

Schedule and broadcast any audio streams: your webradio / local playlists / NAS.

24/7 secured broadcast with our **Continuum** proven technology.

Overlap your commercial messages. Crossfade all your transitions.

Create instant messaging with **Easyspot** text-to-speech technology (Q2 2023).

Manage your inventory from the web with Wavespark

Supervise your fleet at a glance.

Broadcast your favourite audio playlists in all your stores.

Manage your digital content and schedule it.

Adapt instantaneously your communication from anywhere and at anytime.

Succeed in all use cases

Integrate with system security and existing PA.

Connect through Ethernet or wifi.

Automate audio broadcast.

Connect to external audio sources and microphone.

Insert your audio content locally.

Get access and control easily your player from your mobile or from the front panel.

Push the limits and customize playback scenarios thanks to additional programmable interfaces (GPIO, front panel UI, web applications).

Pro Audio quality

Uncompromising professional audio DAC 24bits/96 kHz.

Audio processing capabilities.

Use cases:

- ✓ Reliable audio solution for international retail chain to broadcast background music, messages, advertising.
- ✓ State of art and complete audio source for all public address contracts.
- ✓ Robust priority messaging system for education, medical, warehouse and institutions.
- ✓ Unlimited and clever programmable scenarios and Ux for PA integration.



	AP420	AP430
Wifi / Bluetooth	Option	✓
GPI	1	8
GPO	2	8
Line In & Mic In	-	✓
Display & Encoder	-	✓
Programmable buttons	-	4



waves system

smart solutions for creative people

TECHNICAL DATASHEET

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
- **AP420 only :**
 - 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
 - Optional Wifi 802.11 b/g/n and Bluetooth 4.2
- **AP430 only :**
 - 8 input contact on 3.81 mm pluggable terminal block
 - 8 MOSFET relays (normally open - 2A per output, max 24 V) on a 3.81 mm pluggable terminal block
 - Colored screen
 - Multi purpose clickable knob
 - 4 programmable buttons
 - Unbalanced line-level stereo audio input on 3.81 mm pluggable terminal block (configurable level)
 - Microphone input and configurable gain level on 3.81 mm pluggable terminal block
 - Wifi 802.11 b/g/n
 - Bluetooth 4.2

AUDIO

- High quality DAC - SNR >= 96 dBa
- Sample rate: up to 96kHz
- Bit depth: 16/24-bit
- Supported audio file formats: MP3, AAC, ALAC, FLAC, WAV, AIFF, Vorbis
- Support audio stream type: Icecast, shoutcast
- Supported Playlist formats: M3U, PLS, JSPF
- Audio processing: equalization, dynamic compression, limiter, downmix stereo to mono
- Audio source layering and Priority management
- Fading and Crossfading
- Continuum feature: endless 24/7 secured broadcast
- Easyspot text-to-speech feature for instant messaging
- Push-to-talk microphone feature
- Encryption

STORAGE DEVICE

- USB flash drives and micro SDSC/SDHC/SDXC cards
- File systems supported: FAT32 / exFAT / NTFS / ext3/4
- Plug'n play

NETWORK

- Embedded remote administration:
 - Configure, control the player and content update
 - Serve custom HTML5 / JavaScript pages
 - Control the player through a REST API
- Embedded TCP/IP / UDP server for player control
- Embedded NTP client to synchronize the clock
- IPv4 and IPv6
- IPv4: static or DHCP address
- Wifi hotspot for local access
- Embedded FTP server
- Supported secure protocols: HTTPS, SSL, SFTP, FTPS...
- Supported file server protocols: SMB, NFS...

WAVESPARK

- Multi-device / multi-account supervision
- Configure, control the player and content update
- Media library management
- Playlists creation
- Scheduling

MISC.

- DC Power supply 9V to 24V - Plug Ø 2.1 mm / 5.5 mm
- Precise built-in clock
- PPMS compliant
- Smart Scenario Builder to create custom interactions
- Robust against power cuts
- 19-inch / 1U rackable
- Width: 192 mm
- Height: 43 mm - 1U
- CE, FCC



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14 Rue Philippe Lebon, 44980 Sainte-Luce-sur-Loire - France
Phone : +33(0)2 40 78 22 44 - sales@waves-system.fr - www.waves-system.com