IMMERSIVE SIGNAGE

waves system

CREATING EMOTION, ENSURING SUCCESS

Every audiovisual project has its decisive moment

That moment when your client trusts you to turn their vision into reality. When a museum dreams of the emotion you will create. When a theme park counts on you to amaze its visitors. When every installation works flawlessly, day after day.

Lead your projects to excellence

Vibrant sound broadcasting, immersive digital signage, spectacular video mapping... Whatever the ambition of your installation, you can always count on our equipment. This peace of mind allows you to focus on what matters most: the success of the project.

Always driven by a spirit of innovation and close collaboration.
Our products combine robustness and user-friendly interfaces designed to speed up your commissioning. Features designed to facilitate remote maintenance. Technical support when you need it.

Waves System, Smart solutions for creative people.

INDUSTRIES WHERE WE STAND OUT

Museums / Theme parks / Heritage

Retail

Gym

Education

Corporate / Hospitality

Event

TESTIMONIES

OUTVISION

"Your solution fully met our expectations. We found the flexibility of Proxima and the responsiveness of your team particularly useful."

MAKE IT EVENT

"The EVP380 succeeded in creating an intimate, fairytale atmosphere, where the cliff at La Roque Saint Christophe comes to life, captivating visitors with its frescoes and play of light."

61FPS

"It's a robust product, designed for intensive and fixed installations, with excellent technical support. It offers true ease of use and enables the creation of interactive and immersive installations without the constraints of traditional IT systems."

CS PROD

"Proxima proved to be an exceptional tool. Its intuitive interface allowed us to easily program and adjust the projections on the menhirs."

NOVELTY

"The flexibility and robustness of the media player enabled the show to run without human intervention for several weeks.The customer's satisfaction and the success of the event have laid the foundations for future collaboration on new cultural projects."

SOUND.DNA

"I would recommend Wavespark without any hesitation. The service is reliable and the after-sales service, should I need it, is extraordinary. It's efficient and fast. The team is pleasant and attentive Wavespark is very easy to use."

PROXIMA

Proxima is the latest range of innovative media servers. Based on a proprietary Linux OS, Proxima integrates hardware and software, combined with an intuitive interface. It enables professional video mapping installations without complex workflows or steep learning curves.

Instant deployment meets industrial reliability
In just 3 steps you're ready to start mapping. Hardware and software integration offer a robust solution designed for 24/7 operation.
Soft-edge and frame synchronization provide exceptional rendering, while the composer adapts video to 3D structures.

Proven interface, powerful performance
Approved by over 10,000 users, Proxima Composer lets you control the server from any PC or tablet on your network. Advanced multi-projection with edge blending handles multiple video outputs simultaneously.

Born from expertise
Proxima delivers French-engineered quality with dedicated technical support at every project stage.

Unbox. Connect. Compose.

Multi-projection and edge-blending
Deliver up to 6 x 4K outputs in a 16384 x 16384 canvas. Automatic edge blending computation.

Warping
Use the grid and Beziers deformations to adjust your media on the wall.

Broadcast your original media
Proxima decodes your media with H264, H265 or HAP codec.
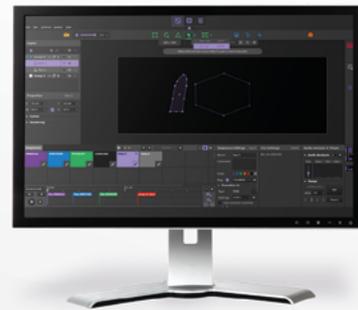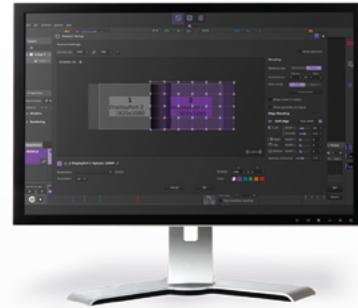
Fade transitions
A complete portfolio of transitions between sequences.

Connect external sources
NDI and DeckLink inputs, Up to 8 HDMI or SDI inputs.

Immersive audio
Playback up to 16 channels and deliver over Dante or audio interface.

PROXIMA

Masks

Draw your detailed masks with the most complete set of drawing tools.

Organize your project into sequences

Trigger your different sequences.
Position your sequences along a timeline to sync them with audio tracks.

OSC / DMX controllers

Configure the link with external controllers via the intuitive interface or the integrated API (OSC). Control through keyboard, UDP (OSC) and Art-Net protocols.
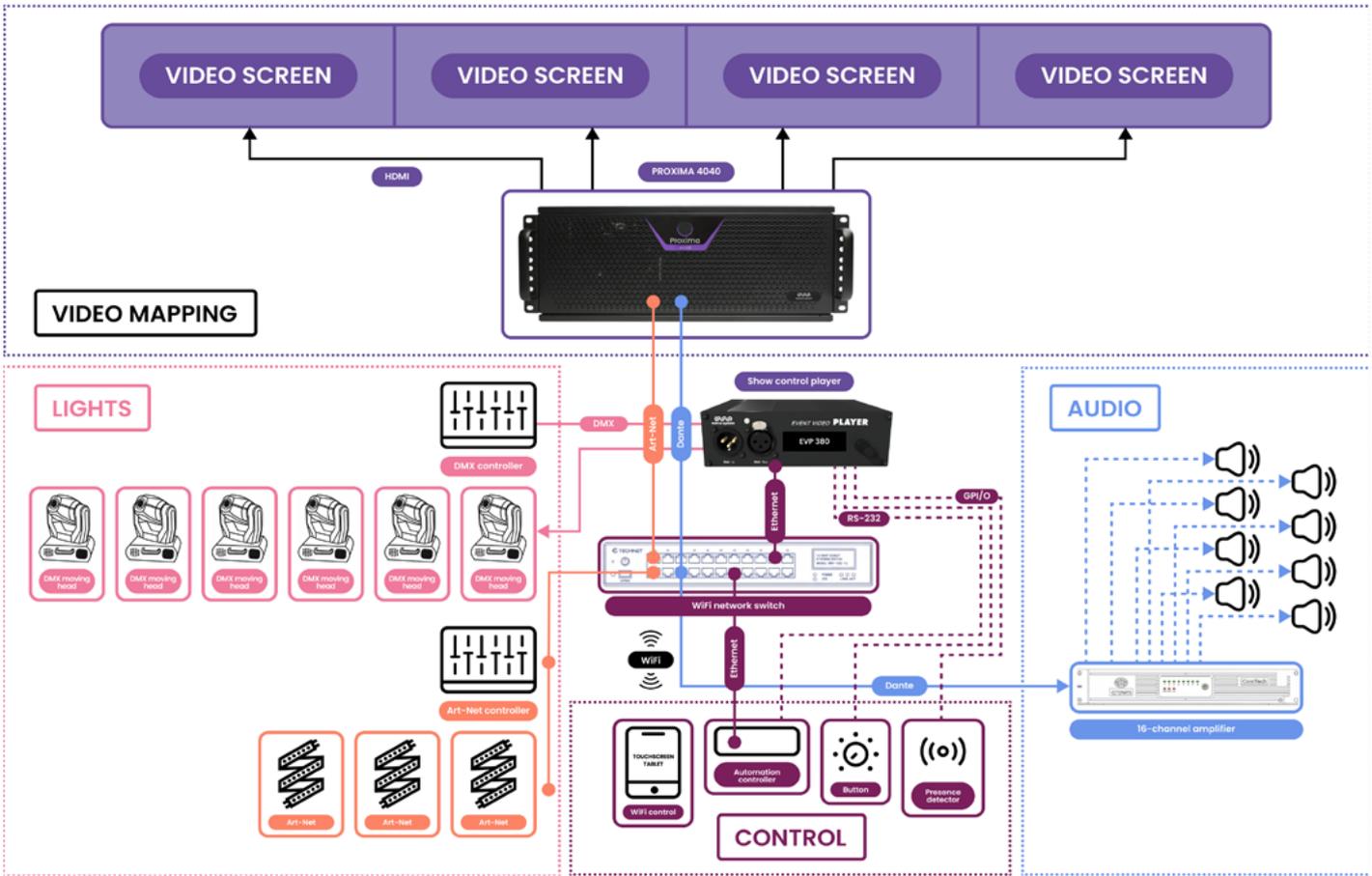
Full web interface

Work remotely on the local network and access anytime for maintenance.

THE RANGE

PROXIMA	4020	4040	4060
Video outputs	1 x 4K or 2 x WUXGA	4 x 4K	6 x 4K
Frame sync	Yes	Yes	Yes
Soft edge, warping	Yes	Yes	Yes
Codec & resolution	H264, H265, HAP up to 4k @ 60fps	H264, H265, HAP up to 8k @ 60fps	H264, H265, HAP up to 8k @ 60fps
Audio	3.5 mm jack 16 channels **NEW** USB	3.5 mm jack 16 channels **NEW** Dante **NEW** USB	3.5 mm jack 16 channels **NEW** Dante **NEW** USB
Integration to third parties	OSC API, http API, Art-Net, Keyboard inputs		
Memory	1 Tb	1 Tb	4 Tb
Options		Quad HDMI acquisition card Dante card	Quad HDMI acquisition card Dante card

SYSTEM OVERVIEW

SHOW CONTROL PLAYERS

Show Control Players delivers frame-accurate synchronization between DMX/Art-Net lighting, multi-channel audio, and 4K HDR video.
It creates seamless, immersive experiences in theme parks, museums, retail spaces, or fitness studios.

Designed for professional integrators
Our players combine rapid deployment with industrial-grade reliability. Embedded memory and intuitive web interfaces accelerate installation, while 24/7-rated architecture with automatic recovery ensures your critical installations run without interruption.

Total flexibility meets centralized control
Trigger shows via contact inputs, network commands, or scheduled playback, then manage multiple installations remotely through Wavespark.
From simple scenarios to complex 64 Art-Net universes productions, our technology adapts to your creative vision.

**Reliable hardware. Responsive support.
Results you can count on.**

Orchestrate with confidence

All-in-one solution for synchronised shows
Record your show from your preferred console or software. Simultaneously control up to 64 Art-Net universes, DMX512, 4K HDR audio and video from a single compact 1U device. This is unique!

Program and update in seconds
Drag'n drop your media, adjust your scenario at any time through the web interface. Save time and offer freedom to your customer.
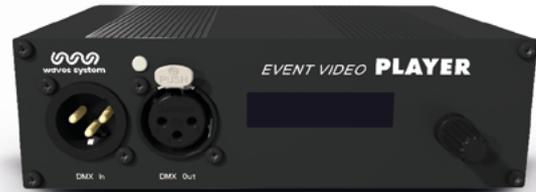
Highly interactive
8 contact inputs, 8 Mosfet outputs, TCP/IP, Art-Net, DMX, touchscreen,scheduler, JavaScript API controls... Adapt to all operating scenarios without technical constraints.

Proven reliability in continuous operation
Designed for 24/7 operation with automatic restart watchdog, it guarantees the availability of your customers' critical installations.

Remote management via Wavespark
Configure, control and update the content of your installations remotely - ensure responsive service for your customers and reduce your on-site travel.
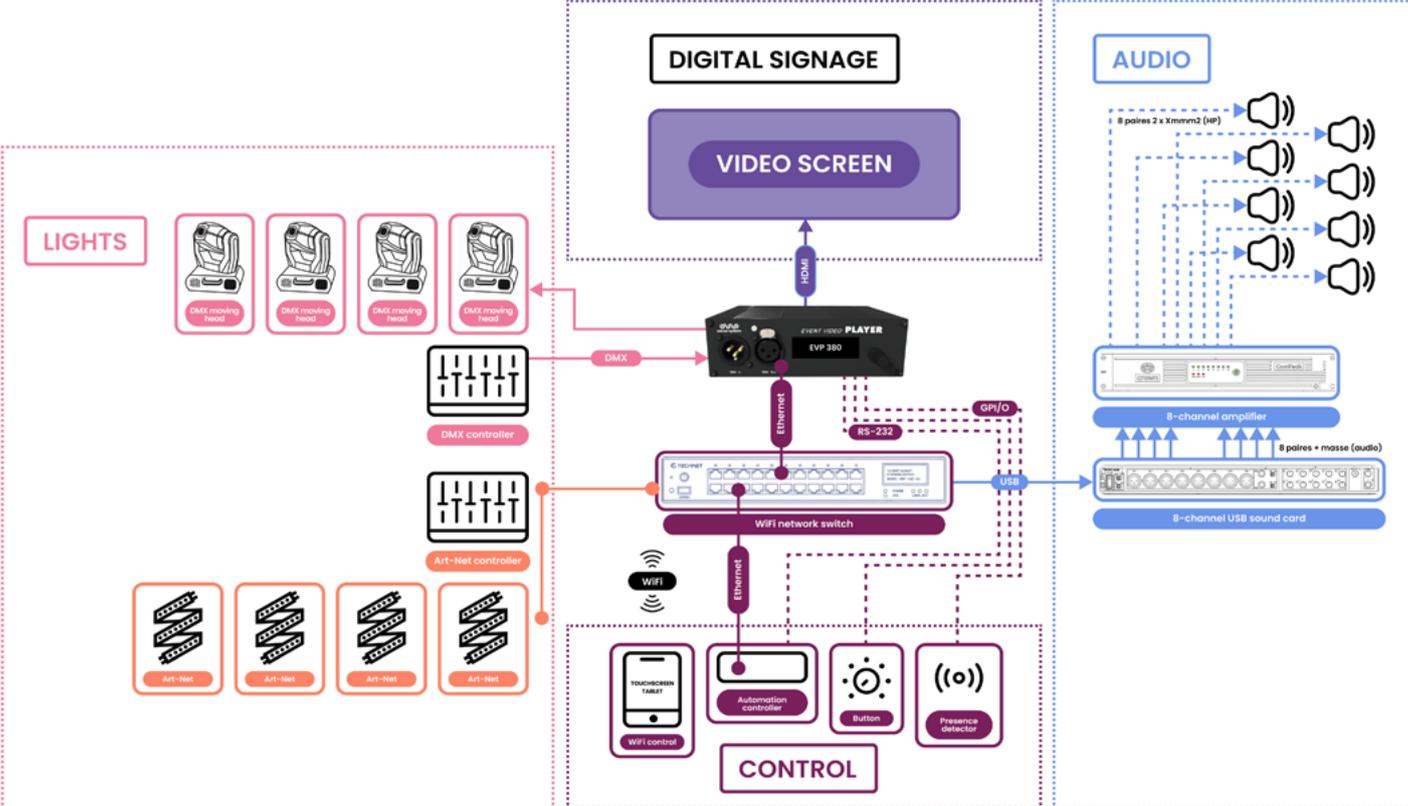
EVP380

DATASHEET

- 64 Art-Net universes record and playback
- 1 DMX512 universe record and playback

- 4k ultra HD video
- H.264, H.265 and VP9 codecs

- Up to 8 audio channels on USB Audio Class 2.0
- Amplified stereo output 2x10W /8Ohms
- Amplified stereo output

- In kiosk Chromium web browser

- Javascript API
- TCP/IP API

- Crestron library
- Control4 driver
- Support for multi-touch screen
- Autoplay
- Scheduler
- PJLink, CEC controls
- Multicast «Start Synchro» capabilities over UDP

- Embedded 4Gb memory
- µSD and USB memory extensions
- 8 GPI-8 GPO-RS232

- Rackable
- IR remote control
- Fanless

SYSTEM OVERVIEW

VIDEO PLAYERS

VP320 and VP330 deliver reliable 4K HDR playback for museums, retail spaces, visitor centres or theme parks. Built for professional integrators who need dependable media players that just work.

Fast deployment, zero hassle
Forget compilation, access your media and scenario anytime in the web interface. This ensures quick installations and instant updates. Perfect looping, projector wake/sleep control, and scheduled playback eliminate manual intervention.

Proven 24/7 reliability with French engineering
Automatic watchdog recovery ensures continuous operation in mission-critical environments. Choose VP320 for simple playback or VP330 for advanced triggering with 8 contact inputs/outputs and RS-232 control.

Manage fleets effortlessly with Wavespark
Update content and monitor systems remotely across multiple sites.

**Robust hardware. Intuitive workflows.
Flawless execution.**

Plug In. Play. Perform.

Flawless 4K HDR10 playback for immersive experiences
Pixel-perfect video up to 4K at 60fps and seamless looping without visible interruption. Sync multiple players to start playback simultaneously. Deliver professional grade visual quality in museums, theme parks and retail installations.

Program and update in seconds
Drag'n drop your media, adjust your scenario at any time through the web interface. Or prepare a USB stick and plug it, that's it.

Highly interactive
8 contact inputs, 8 Mosfet outputs, TCP/IP, Art-Net, DMX, touchscreen,scheduler, JavaScript API controls - adapt to all operating scenarios without technical constraints.

Integrated projector control for smarter installations
Built-in PJLink commands and CEC command automatically power projectors on/off based on schedule or triggers. Simplify system design and reduce energy consumption for your clients.

Centralized fleet management via Wavespark
Update content and monitor status to deliver faster service while reducing costly on-site visits.

VP320 & VP330

DATASHEET

- 4k ultra HD video
- H.264, H.265 and VP9 codecs

- Up to 8 audio channels on USB Audio Class 2.0
- Amplified stereo output 2x10W /8Ohms
- Headset amplified output

- In kiosk Chromium web browser

- Javascript API
- TCP/IP API
- Crestron library
- Control4 driver
- Support for multi-touch screen
- Autoplay
- Scheduler

- PJLink, CEC controls
- Multicast «Start Synchro» capabilities over UDP

- Embedded 4Gb memory
- µSD and USB memory extensions

- Rackable
- IR remote control
- Fanless

	VP320	VP330
GPI	1	8
GPO	0	8
RS232	–	Yes

Essential tags for programming
VP320, VP330 & EVP380

TAG	FOLDER	FILE	DESCRIPTION
[J xxx]	●	●	Jump to the xxx folder at the end of the playback.
[LOOP]	●	–	Play a folder in a loop without executing the end and start tags at loop time.
[RESUME]	●	–	Resume the playback of a folder, taking into account its previous playback history.
[RET]	●	●	Return to the previous folder at the end of the playback.
[RND] and [SEQ]	●	–	Random or sequential folder playback mode.
[V+ xxx] and [V- xxx] and [V xxx]	●	●	Set the player's volume or apply a relative volume during a file or folder playback.
[NT]	●	●	Block all the commands from a configurable list of sources.
[RES xxxxxxxx] / [REE xxxxxxxx]	●	●	Set the states of the output contacts (at Start or at End of the playback) (0,1,#).
[RSS xxx] and [RSE xxx]	●	●	Send frames on the RS-232 at the Start or at the End of the playback.
[WHL]	●	–	Play the folder while the assigned input combination remains activated.
[NXT xxx]	●	–	Play the next xxx files each time the folder is played.
[SYNCHRO xxx]	–	●	Synchronize the start of playback between the players over the network.
[DUR x] / [DUR INF]	–	●	Set the playback duration of a picture overriding the main Slideshow duration.
[SUBS x] / [SUBE x]	●	●	Define the display modalities of the subtitles (at Start or at the of the playback).
[WEBS xxx] / [WEBE xxx]	●	●	Display a web page (at the Start or the End of the playback).
[WEBS OFF] / [WEBE OFF]	●	●	Hide the web browser (at the Start or the End of the playback).

AUDIO PLAYERS

Waves System audio players deliver pro-grade background music and automated messaging for retail chains, schools, fitness centers, and public transportation. Purpose-built for integrators who need reliable, set-and-forget audio solutions.

Intuitive deployment and operation
Integrated web CMS eliminates third-party software complexity, while dual-track audio mixing enables seamless music and announcements.
Schedule playlists, stream webradio, trigger instant messages, all through one simple web interface.

Industrial reliability for 24/7 operation
Continuum technology ensures uninterrupted broadcasting even during network failures or content updates. Professional 24-bit/96kHz DAC delivers crystal-clear audio quality for demanding environments.

Manage entire fleets with Wavespark
Deploy playlists across multiple locations, monitor system health, and adapt your messaging instantly from anywhere.

Broadcast with confidence

Create advanced schedule to broadcast music & messages
Manage playlists and messages in a powerful embedded schedule. Give autonomy to your customer.

Dual-track mixing for intelligent audio management
Simultaneous playback of background music and priority announcements with automatic ducking. Perfect for retail promotions, emergency messaging (PPMS), and public address applications.
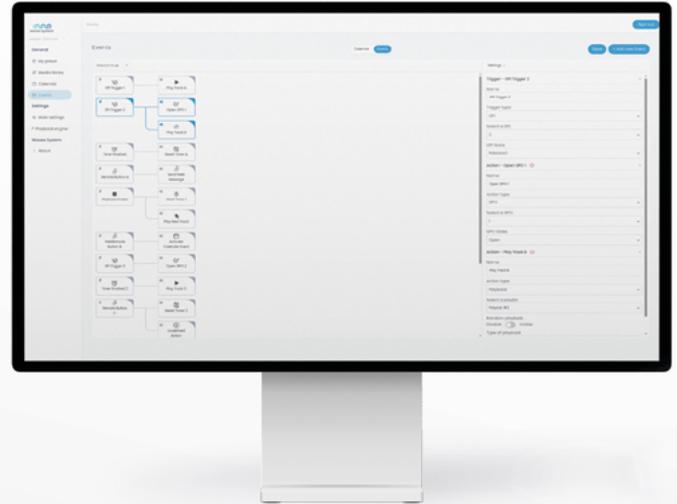
Event Manager NEW
Trigger with GPI and TCP/IP events, create web remote pages with the latest no code interface.

Centralized control via Wavespark dashboard
Schedule location-specific content by time slot, track real-time system status across sites, and manage international retail or multi-site operations from one interface.

Professional audio quality with flexible connectivity
Studio-grade 24-bit/96kHz DAC with configurable output levels (-10 dBv to +4 dBu), dual relay outputs for amplifier switching-deliver flawless sound quality while simplifying system architecture.

AP420

DATASHEET

- Icecast and shoutcast Audio streams
- Embedded content management system for messages and playlists
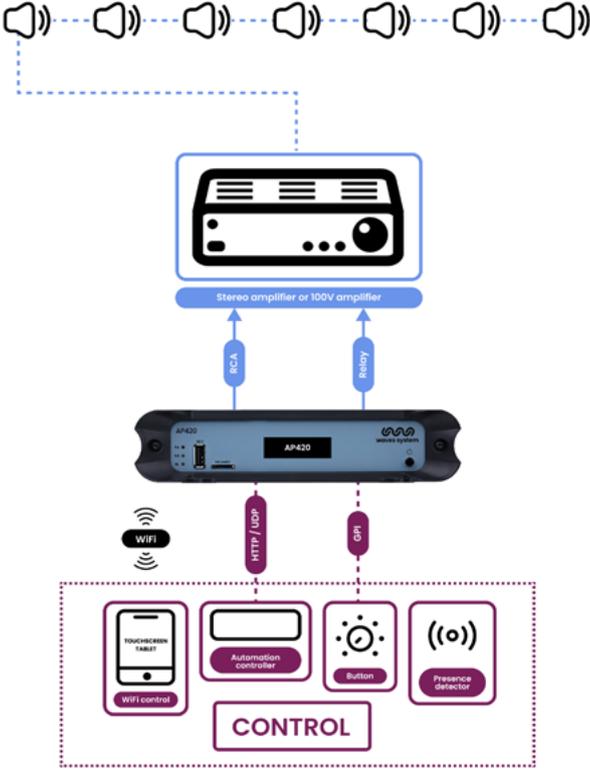- Advanced calendar

- Autoplay
- Scheduler

- Embedded 4Gb memory
- µSD and USB memory extensions
- 1 GPI- 2 GPO

- Optional Wifi and internal memory extension
- RCA connectors

- Rackable
- Fanless.

SYSTEM OVERVIEW

WAVESPARK

Instant deployment with zero IT complexity
Pre-configured players arrive ready to connect.
Deploy across your entire retail chain in minutes
without technical intervention.

Guaranteed 24/7 broadcasting with Store & Forward
Music continues even during network outages.
Eliminate dead air and ensure consistent brand
experience across all continents.

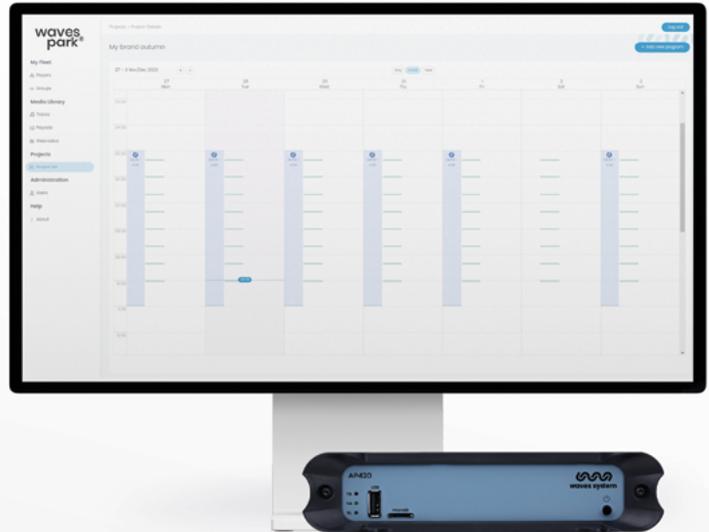**Complete customization for brand consistency**
Schedule playlists by time, location, and event type;
adjust volumes remotely; manage messages with
precision.

Effortless fleet supervision at scale
Monitor all players from one intuitive dashboard,
troubleshoot remotely, export broadcast reports,
deploy updates globally with one click.

Enterprise-grade security without complexity
OWASP10-audited platform with encrypted
communication. Protect your installations while
maintaining simple deployment for integrators and
end-users alike.

WAVESPARK

MICROPLAYER MKIII+

Intuitive content management via file structure
Simple folder/filename organization controls playback logic without software, reducing your after-sales support burden.

Amplified audio player
Microplayer delivers 2x10 W - 8 Ohms, ideal to broadcast audio for surfaces up to 30 m².

Ultra-compact fanless integration for embedded projects
1/3 rack format with zero heat generation. Install directly inside showcases or interactive displays, where traditional players won't fit.

Advanced interactivity
Connect 4 dry contacts or up to 15 dry contacts with our extension. Create and modify all your scenarios in minutes.

Instant playback with seamless looping
Auto-play on power-up with zero boot time and perfect loop playback. Eliminate startup delays for motion-activated installations.

Energy-efficient for autonomous installations
Compatible with solar-powered or battery-operated projects in remote locations.

NANOPLAYER BOX+

Low cost solution for budget-conscious projects
Essential features (autoplay, loop, trigger) while
maintaining professional playback quality.

Smallest form factor for extreme space constraints
Micro-compact design to integrate into headset
kiosks, artistic displays, interactive panels, and custom
fabrications.

Dual headphone outputs and amplified output
Create dual-listening kiosks or museum handset stations
without additional hardware, reducing system cost and
complexity.

Intuitive file-based content management
Folder/filename structure controls playback—enable your
clients' staff to update content independently via drag-
and-drop.

Energy-efficient for autonomous installations
Ideal for battery-powered museum handsets, solar
installations, or mobile exhibits where grid power is
unavailable or costly to deploy.

DIRECTIONAL SOUND

HyperSound, X2 and Cube deliver ultrasound-based directional audio that creates focused listening zones in open spaces. It's ideal for museums, premium retail, exhibitions, and attractions where traditional speakers would disrupt acoustics or compromise architectural aesthetics.

Eliminate physical barriers while controlling sound
Patented ultrasound technology projects clear, intelligible audio within a precise 1-meter cone at distances up to 10 meters. You create personalized audio experiences without headphones or preserving your client's spatial design and budget.

Premium integration for discerning projects
Ultra-compact speakers with minimal visual impact satisfy demanding architects and designers. A memorable «wow factor» that differentiates high-end installations.

Precision audio without boundaries

Directional sound creates targeted audio zones
Deliver personalized audio messages in open spaces without disturbing adjacent areas.

Invisible integration preserves architectural aesthetics
Ultra-compact speaker with discreet profile-satisfy demanding architects and interior designers on premium projects.

Extended engagement through memorability
Directional audio boosts message retention and visitor surprise. It delivers unforgettable brand experiences in retail and attractions, enhancing client satisfaction.

Flexible mono/stereo deployment for scalable installations
Configurable mono or stereo systems adapt to project budgets and acoustic requirements from single-zone messaging to immersive stereo experiences.
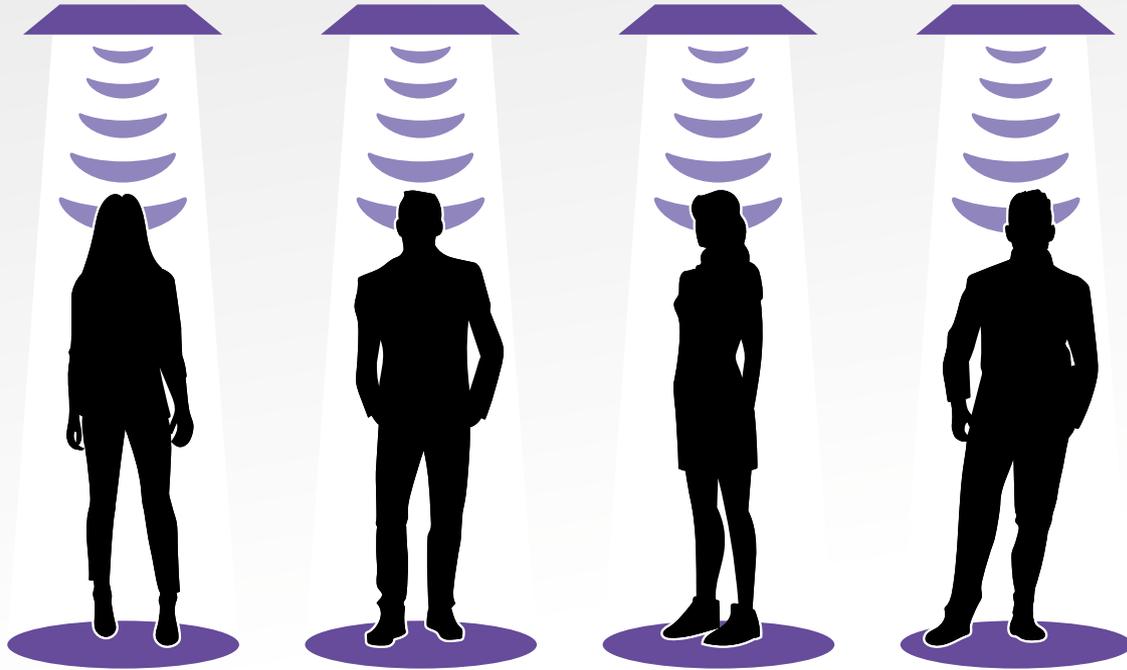
DIRECTIONAL SOUND

	X2	CUBE	HYPERSOUND
SPL @1m/1 KHz	80 dB	85 dB	95 dB
Bandwidth	250 Hz – 20 kHz	250 Hz – 20 kHz	300 Hz - 20 kHz
Angle	-10 dB @ 15°	-10 dB @ 15°	-10 dB @ 15°
Mech.	Embedded amplifier Swivel pad	Embedded amplifier VESA 100mm	Separated 2 channel amplifier Speaker bracket

TARGET SOUND RIGHT WHERE YOU NEED IT

AMPLIFIERS

Micro AMP series delivers professional-grade amplification for headphones and speakers in a compact format. They make the essential list for museums, retail kiosks or public spaces where multi-listening scenarios demand reliable, high-quality audio.

Simplify complex audio installations

From single-zone playback to quad-headphone distribution and intelligent volume automation , our amplifiers eliminate bulky equipment racks while delivering crystal-clear headphone amplification.

Professional features without complexity

Automatic volume control via presence detection, dual-source language selection, and integrated DSP equalization. Any sophisticated visitor experiences can be created without complicated programming, accelerating your deployment timelines.

French-engineered reliability with 3-year warranty

Designed for continuous operation in demanding public environments.

Power and precision for professional installations

Multi-listening without infrastructure complexity
Distribute audio to up to 4 simultaneous headphone users (MA4-2) with individual volume control, or combine speaker and headphone outputs (MA1/2). Eliminate separate headphone distribution systems and simplify wiring for museum kiosks and information terminals.

Intelligent automation reduces operational burden
- **Micro AMP 1:** Automatically adjusts audio levels based on events, creating dynamic acoustic zones without manual intervention.
- **Micro AMP 4/2:** Dual-source input selector with contact triggers enables language/content switching via external buttons for multilingual exhibits.

Professional audio quality in minimal footprint
1/3 rack 19» format with powerful amplification.

Integrated DSP eliminates external processors*
Built-in 3-band EQ (bass/mid/treble ±14dB), input gain control (+30dB), and configurable fade times (0-9 seconds). Adapt audio to challenging acoustic environments without additional equipment.
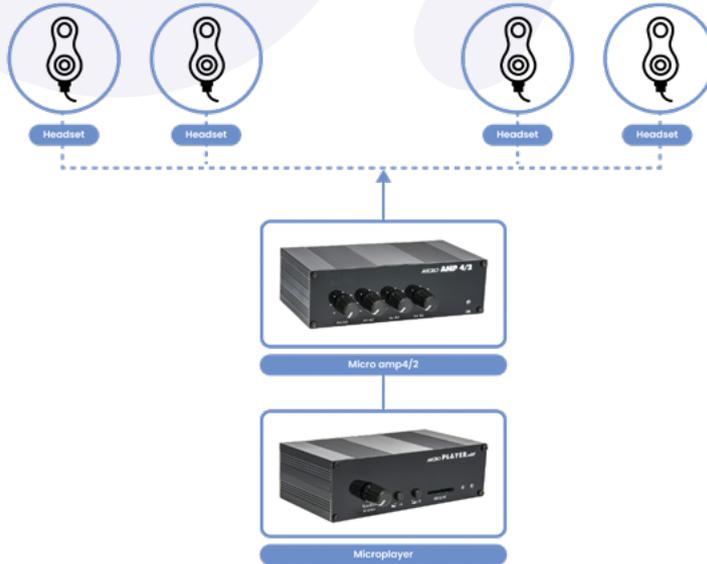
* Micro AMP 1 only

AMPLIFIERS

	MICRO AMP1	MICRO AMP2	MICRO AMP4/2
Headphone outputs	1	1	2x2
Amplified output	Yes	Yes	–
Line in	Yes	Yes	–
Volume control by trigger input	Yes	–	–

SYSTEM OVERVIEW

TURN YOUR VISION INTO REALITY

For over 25 years, Waves System has designed custom audiovisual solutions for museums, cultural institutions and companies worldwide. We combine consulting expertise, agile development, and French manufacturing to deliver innovative, field-ready devices adapted to your specific requirements.

From concept to deployment, we handle complexity
Whether you need a mobile 4K broadcasting kit with integrated Wi-Fi hotspot or a dual-screen multimedia player with remote supervision, our team transforms technical challenges into turnkey solutions. We bridge the gap between standard products and full custom development.

Trusted by demanding clients across sectors
Paramedical equipment manufacturers, international museums, corporate event firms, and AV integrators count on our innovative devices for rock-solid real-world performance.

TAILORED SOLUTIONS FOR UNIQUE EXPERIENCES

Smart speakers

Creation of a mobile audiovisual kit: amplified audio broadcasting, 4K video, web applications, integrated Wi-Fi hotspot for 50 connections, update via 4G.
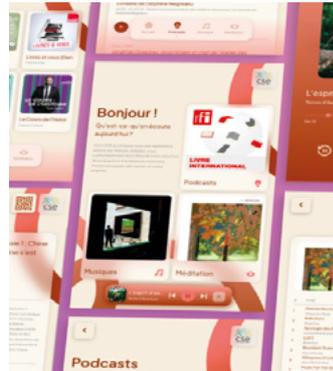

Paramedical sensory system

Development of a therapeutic solution combining light, music and web application: programmable atmospheres, immersive audio and remote session control.

Tailor-made digital signage

Development of a customised multimedia player: simultaneous display on two screens, touchscreen management, printing of discount vouchers and remote content supervision.

Web app

Development of a web interface to control musical lounge seats: presence detection, access to a library of podcasts and music, automated updates via the cloud.

YOUR INDUSTRY, OUR PRODUCTS

INDUSTRY	HTML5 OVERLAY	VIDEO PLAYBACK	GPI	GPO	USB	MICRO SD OR SD	AMPLIFIED OUT	ETHERNET	DMX IN	DMX OUT	ART-NET OUT	NETWORK CONTROL	WAVESPARK
Nanoplayer box	🏛	–	–	1	–	–	1	x	–	–	–	–	–	–
Microplayer	🏛🏫	–	–	4	2	1	1	x	–	–	–	–	–	–
AP420	🏫🏬🏪	–	–	1	2	2	1	–	x	–	–	–	–	x
VP320	🏛🏬	x	x	1	–	2	1	x	x	–	–	–	–	x
VP330	🏛🏬	x	x	8	8	2	1	x	x	–	–	–	x	x
EVP380	🏬🏛🏪	x	x	8	8	2	1	x	x	x	x	x	x	x
Proxima 4020	🏛🏪🏢	–	2 x WUXGA	–	–	4	–	–	x2	–	–	–	x	–
Proxima 4040	🏛🏪🏢	–	4 x 4K	–	–	4	–	–	x2	–	–	–	x	–
Proxima 4060	🏛🏪🏢	–	6 x 4K	–	–	4	–	–	x2	–	–	–	x	–

🏛 : Museums / Theme parks / Heritage   🏫 : Education   🏬 : Retail   🏢 : Hospitality / Corporate   🏪 : Gym   🏪 : Event

OUR VALUES

RELIABILITY

Serenity is bliss

Our audio-video solutions have won over 10,000 customers worldwide over the past two decades. How? By making quality our gold standard.
... and we are just getting started.

Simplicity is genius

What sets us apart? Our unique ability to combine state-of-the-art technology with ergonomics. We are committed to designing solutions that are agile and straight forward; forget about endless training and time consuming certifications.
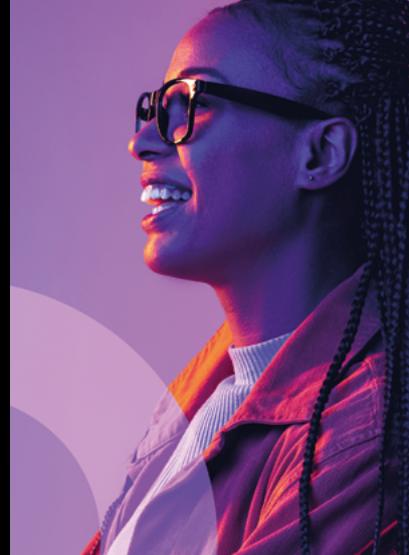... efficiency at its best.

EASY TO USE

SERVICE

We've got your back

Our mission at Waves System is to offer the best support out there, whatever the nature of the project. A question of pride! In other words, we share your high expectations and strive to walk the talk.
... it's a matter of principl

Smart solutions for creative people

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