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STORM|AUDIO

StormAudio Essentials

Who we are

StormAudio is a team of people passionate about audio and cinema, specialised in **the conception of electronic products for the residential home cinema industry**. Our audio processors and amplifiers are engineered to bring **the best technologies to the heart of your home theater**, bringing you **a unique experience of immersive sound**.

Made in France, our products are designed to be **upgradeable and modular**. Thanks to their **flexible and powerful features**, they meet the requirements of the most sophisticated integrators while offering **easy to use tools for configuration and calibration** at the same time. In addition to a **5 year warranty**, we provide **international technical support** through our service centers located in France, United States and Hong Kong.

The story behind StormAudio

StormAudio was founded by Gérard Jambon and Vincent Tamisier in Laval, France in 2006. They came together to form the company because of **a shared passion for hi-fi audio** and wanted to find ways **to innovate and improve the ways sound is played back**.

A few years later, the company began **to put efforts into engineering solutions for immersive audio hardware** at a time when the technology was just being introduced in professional cinemas. The Auriga was the first step in StormAudio's committment in **bringing immersive audio into the home**. Later, StormAudio was acquired by Auro Technologies to form a hardware arm for the company, to support a vision for **bringing immersive audio to consumers**.

Building on this, in 2017, the landmark StormAudio ISP was released.

2017	**Immersive Audio Processor ISP Elite MK1 released** Launch of the new industrialized range & building of a global distribution network, leading with the ISP Elite MK1
2018	**Independent research and development** StormAudio parts ways with Auro Technologies, creating Immersive Audio Technologies France with Saffelberg Investments NV, continuing research and development as an independent company
2019	**OEM partnerships with strong historical market players:** *Bryston* and *Focal*
2020	**ISP Elite MK2 released** A new reference in the high end modular AV Processor market
2021	**ISP Core 16 released** The essence of the ISP Elite MK2 in a compact design
2022	**ISP Elite MK3 released**

Why choose StormAudio?

Performance and reliability

Powered by an award-winning audiophile platform running on multiple DSP chips separately dedicated to audio processes only, **the design ensures pure audio quality** and **the power to decode all the latest immersive formats** and **do any post-processing including Dirac Live to optimize any speaker in any room** straight out of the box.

Future proof and flexible

We are committed **to supporting all our customers** and **making our products long lasting**, that is why we try to ensure that **feature upgrades can be done via software** for all our product ranges and the process is **simple to perform** for any user.

We will also continue **to develop hardware modules for upgrade as technologies evolve**, so users can be comforted that **their product will always stay current with minimum impact, but with maximum result**.

We believe in design that can last the test of time.

Intuitive installation

Guaranteed for **easy set-up**, our Speaker Configurator is **a deceptively simple and straightforward interface**, but is **flexible** and can **facilitate any sort of home cinema setup**.

Powerful and flexible calibration

The ISP can **perform well in any room thanks to the in-house EQ options together with Dirac Live technologies.** The ISP range is the only products that **can support Dirac Live for up to 32 channels, and offers Dirac Live's Bass Control.**

As one of the most reputable room correction technologies on the market, Dirac Live functions on the principle of mixed-phase correction, factoring in not only the frequency response but also the impulse response, critical for **precision** and **clarity of the sound**, thereby **reproducing the correct spatial image for any room.**

Dirac Live's Bass Control complements this with a machine learning based algorithm that calculates all pass filters for every output channel so that **any bass variations are minimized between different positions.**

To add to this is **StormAudio's flexible EQ and bass management capabilities**, meaning experienced calibrators can have the freedom to create their own sound.

Our products also **support REW for full flexibility.**

Complete control options

Fully tested and **reliable control options** so that the end **customer can enjoy their cinema experience effortlessly.**

• Mobile/tablet iOS and Android remote applications
• TCP/IP based control API – complete and easy control
• Control system integration- full portfolio: Elan, Control 4, Crestron, Crestron Home, RTI, Savant
• Accompanying IR remote control handset

Key StormAudio technologies

We strive to continually push and improve the functionalities that we offer. Here are some of the unique technologies that we have developed.

A stable and fast-switching HDMI board

Where we couldn't find a solution on the market, we co-developed an HDMI board to provide our customers with the best possible video input and switching.
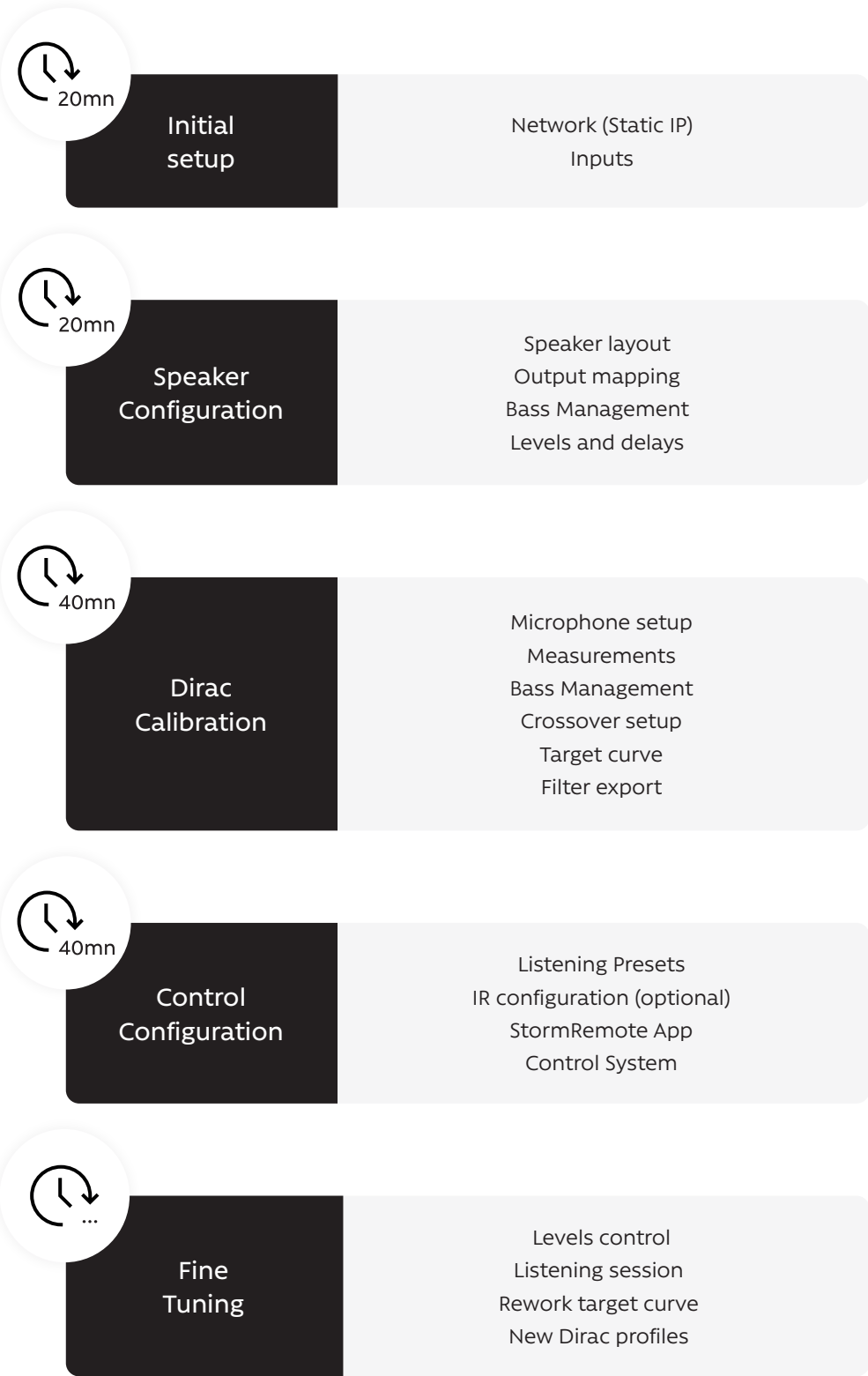
DAC board with low residual noise

A new hybrid analog/digital topology with added analog circuitry that optimizes the gain of the analog stage in such a way that the residual noise is considerably attenuated. Retaining a resolution of 0.1dB by combining this analog adjustment with the digital volume control we had so far, while still maintaining our high dynamic range praised so far with the MK1.

StormAudio bass management

In addition to Dirac Live Bass Control, we have developed our own proprietary Expert Bass Management system for up to 6 bass zones with selectable bass extraction for each channel, allowing more flexibility for installers to control the way they want to install subwoofers and to make the most impact with the bass.

Quick and easy configuration

20mn Initial setup	Network (Static IP) Inputs
20mn Speaker Configuration	Speaker layout Output mapping Bass Management Levels and delays
40mn Dirac Calibration	Microphone setup Measurements Bass Management Crossover setup Target curve Filter export
40mn Control Configuration	Listening Presets IR configuration (optional) StormRemote App Control System
... Fine Tuning	Levels control Listening session Rework target curve New Dirac profiles

Obtain **80% of the results in less than 2 hours**
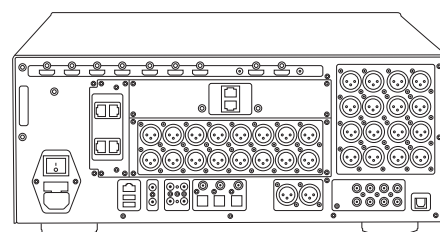Meet 100% customer expectations with fine tuning

Immersive sound processor
Sound processor - ISP Elite MK3

One
Base Product
ISP 16 Elite Analog MK3

Unlimited
Upgrades and
Options Capabilities

16 to 24ch	16 to 32ch
Analog Out XLR upgrade	Analog Out XLR upgrade

32 Digital AoIP	32 Digital AES	16 DCI
AES67 In/Out Upgrade	AES/EBU Out Upgrade	AES/EBU In upgrade

ISP Elite MK3 processor
Main features

24
Native Discrete
Decoded Channels

Flexible Bass Management
With Signal Routing
Per Bass Zones

DIRAC
Live Calibration Tool
and Bass Control
Add-On Module

Multiple Theater
Management

Multiple Control Options
Included InfraRed (Front + Back) & Triggers
Drivers for major Control Systems
(Control4, Crestron, Savant, RTI, ELAN)
iOS Remote (Android Coming)

Dolby Atmos
AURO 3D Audio
dtsX Pro

4 μVrms
DAC
Board With
Low Residual
Noise

Leading HDMI
7 In / 2 Out matrix - HDCP 2.2 - 18 Gbps
4k UHD on all ports
HDR10, HLG & Dolby Vision
HDMI 2.1 eARC Support
On Screen DIsplay (OSD)

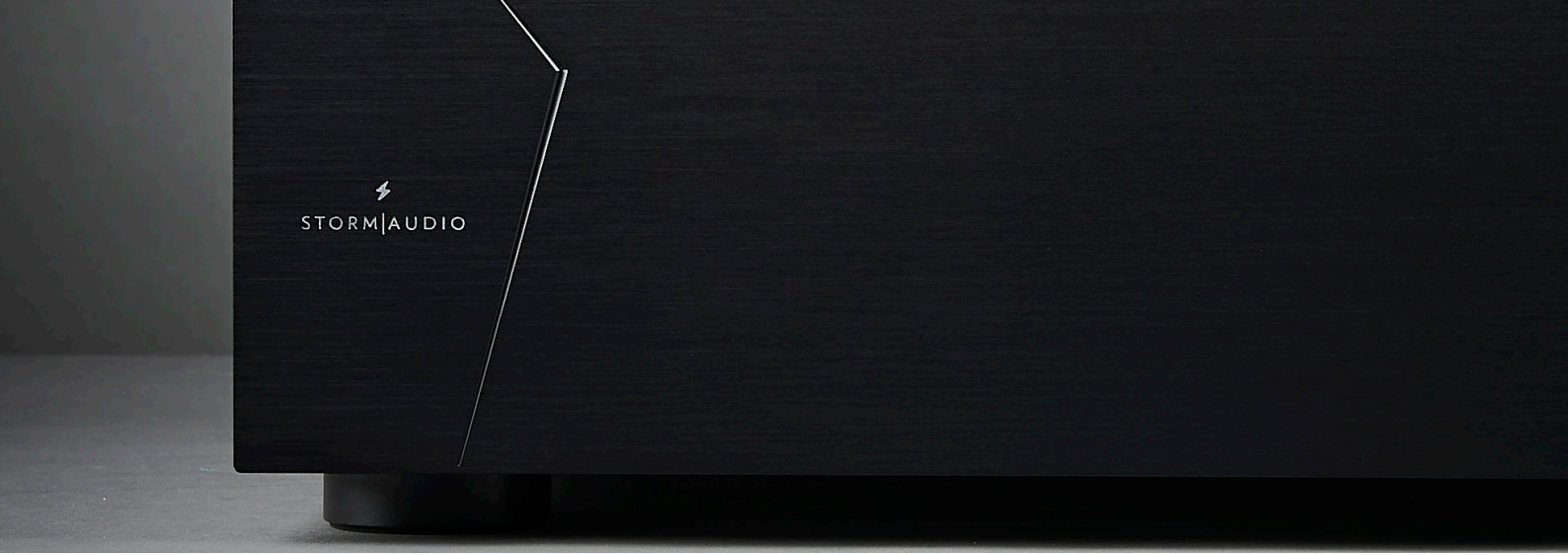**Multiroom**
2ch Audio Zones Management
2ch AV Zone Management

32 Channels Post-Processing
Up to 20 PEQs per channel
Multi-way Active Speaker Management
Unlimited Subwoofers Management

Intuitive Web Based Configuration
For Quick And Easy Setup
And Remote Monitoring

roon ready

ISP Core 16 processor
Main features

| 16 Native Discrete Decoded Channels | Flexible Bass Management — With Optional Signal Routing Per Bass Zones | **DIRAC** — Dirac Live Calibration Tool with Bass Control Add-on |

| Multiple Theater Management | Multiple Control Capabilities — InfraRed remote control Drivers for major Control Systems (Control4, Crestron, Savant, RTI, ELAN) iOS Remote (Android Coming) | Dolby Atmos / AURO 3D AUDIO / dts:X Pro |
| Standard Bass Management | | |

| 4 µVrms — DAC Board With Low Residual Noise | Upgradeable HDMI — 7 In / 2 Out - HDCP 2.2 - 18 Gbps 4k UHD on all ports HDR10, HLG & Dolby Vision HDMI 2.1 eARC Support On Screen DIsplay (OSD) | Multiroom — 2ch Zones Management |

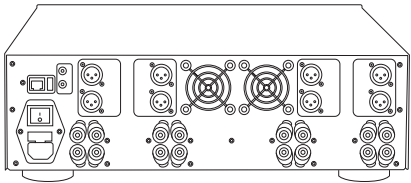| 16 Channels Post-Processing — Up to 20 PEQs per channel Multi-way Active Speaker Management Unlimited Subwoofers Management | Intuitive Web Based Configuration — For Quick And Easy Setup And Remote Monitoring | **roon** ready |

Power amplifiers

PA 8 Ultra

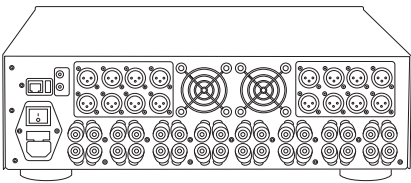| 8 Channels — Single Ended | 26 dB gain | 200W RMS (8 ohm) 400W RMS (4 ohm) — All channels driven |
| 4 Channels — Bridged Tied Load | 32 dB gain | 800W RMS (8 ohm) 800W RMS (4 ohm) — All channels driven |

PA 16 Ultra

| 16 Channels — Single Ended | 26 dB gain | 200W RMS (8 ohm) 225W RMS (4 ohm) — All channels driven |

Power amplifiers
Main features

115dB SNR (p-rated)	**<0.005%** THD+N (5W)
	3U Rack
PASCAL Modules with **UMAC™** Class-D Technology **UREC™ PFC** Power Factor Corrections	**Up to 3kW** Total Power Capacity
	Trigger IN / OUT