SOUND4 STREAM x8

Sound Processing, Encoding and Streaming,
The All-In-One solution for WebRadio bouquets

New! Available in 3 versions...
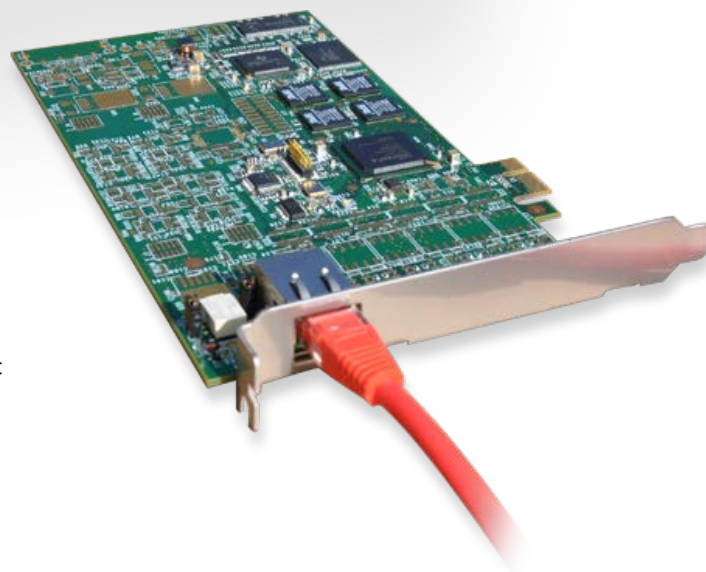2 channels > SOUND4 STREAM x2
4 channels > SOUND4 STREAM x4
8 channels > SOUND4 STREAM x8

COOL STUFF AWARD
RADIO WORLD
2012

The SOUND4 STREAM x8 PCIe card...

- PCI Express x1 card (compatible with x2, x4, x8, x16 slots)
- 100% autonomous in terms of resources.
- Ethernet 100 Base T Livewire compatible
- DSP computing power: 8 Giga Flops (Sharc 40 bits with floating point).
- GUI and drivers compatible 32 & 64 bits (Windows 7, Windows 8 & 8.1, Windows 10, 2008 R2, 2012 et Linux (Debian))
- Multicard driver (the quantity of PCIe slots will be the only limit to the number of cards admissible in the same PC).
- Start-up time of the SOUND4 STREAM x8: 15 seconds max to be On Air!
- Ready for the future: 100% upgradeable and rapid. While updating the card, the sound is interrupted for only two seconds.

Processing...

- 4 to 8 independent channels
- HQ Sound 192 kHz Sound Processing:
    - AGC
    - Tone FX
    - 3-Band Processor
    - 4-Band Limiter
    - Brick Wall Limiter
- Presets centralization and sharing
- Link&Share ready
- Ultra low delay ~5 milliseconds

Ready for all standards used for delivery

- Darwin
- Flash
- Helix
- Shoutcast v1 & v2
- Icecast 2
- Wowza

Protocol : HTTP/ICY, RTSP/RTP Unicast, RTP Multicast, RTMP, RTMPE, RTMPS, RTMPTE, RTMPTS
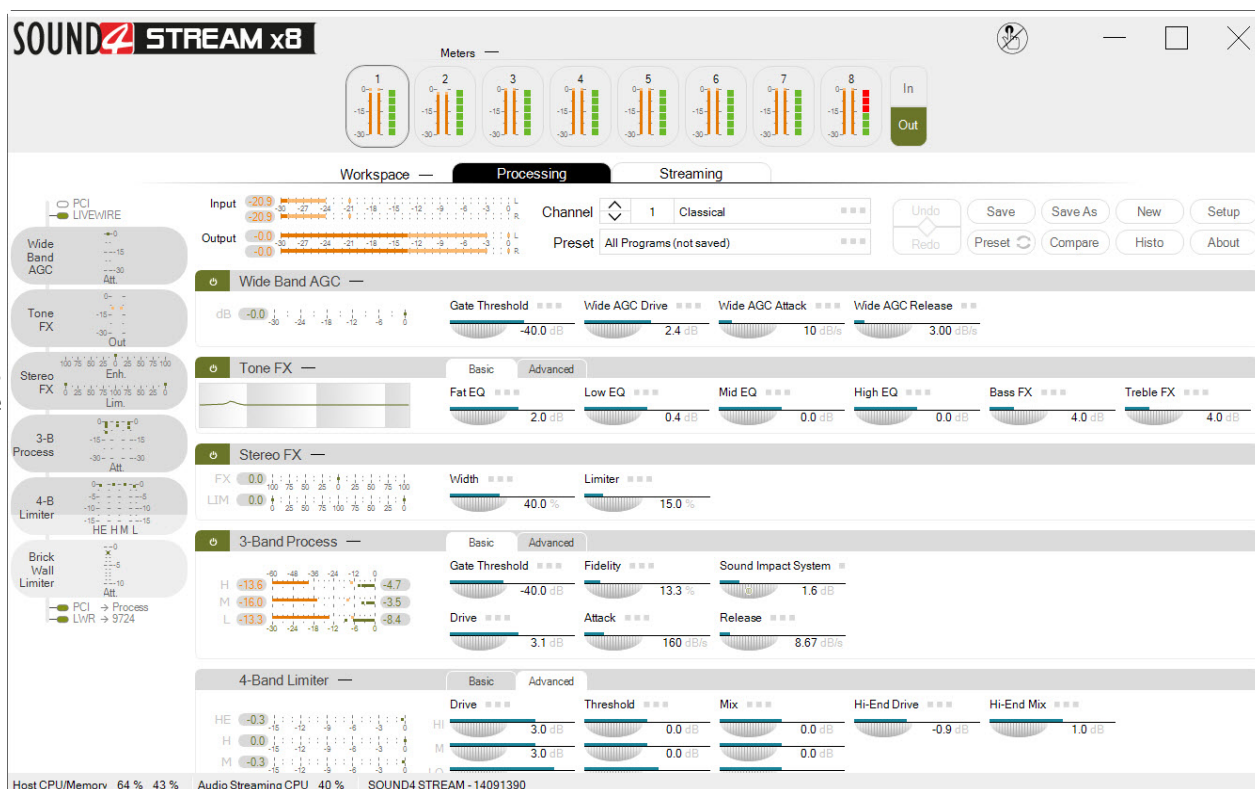
Automatic SDP files generation for RTP Multicast receivers

Codecs...

- MP3 : 32 to 320 kbps
- AAC : 8 to 264 kbps
- HEAAC v1 : 24 to 72 kbps
- HEAAC v2 : 16 to 44 kbps

A hyper user-friendly control interface...

- Control all Radio at your fingertips
- Setting of sound from one single screen! No more opening and closing of windows for going from one function to another. "Basic" mode and "Advanced" mode: Basic – the mode where everything is simple and rapid; Advanced, for exploring all the processor functionalities.
- Ultra-rapid vu meter for true control over modulation.
- Unlimited "Undo/Redo" versioning function for presets with possibility of recall.
- Innovative "compare" function with reference notion.
- Log function for presets.
- A remote connection manager to control several processors.
- Works on operating systems: Microsoft: XP SP3, Seven 32& 64 bits, Height 32&64 bits, Height.1, 2008 R2, 2012, Linux (Debian)

SOUND4 STREAM x8
Processing workspace

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Streaming and metadata workspace

SOUND4 STREAM x8

Meters —

Workspace — Processing Streaming

Channel 4 4 Save Stream Save Channel Save All Channels Load Preset Stream Setup About

General

Metadata

Configuration

General —

	Status	Adaptive Process	Streaming Output
1	Running		
2	Running		
3	Running		
4	Running		
5	Running		
6	Running		

Metadata —

	Status	On	Script	Mode	Location	Port	User	Password	Poll Time	Station Logo
1	Off	☐	Http Request	File		8080			2.0	

Configuration —

	On	Protocol	Host	Port 0=default	User	Pwd	Mount/ID	Encoder	Mono	Bit rate	Sample Rate	HQ	Public	Name	Description	Genr
1	☑	IceCast2	192.168.4.165	Default	source	*****	/rock1	MP3	☐	128	Auto	☑	☐			
2	☑	IceCast2	192.168.4.165	Default	source	*****	/rock2	MP3	☑	64	Auto	☑	☐			
3	☑	IceCast2	192.168.4.165	Default	source	*****	/rock3	AAC	☐	64	Auto	☑	☐			
4	☑	IceCast2	192.168.4.165	Default	source	*****	/rock4	AAC	☐	64	Auto	☑	☐			
5	☑	IceCast2	192.168.4.165	Default	source	*****	/rock5	HE-AAC	☐	32	Auto	☑	☐			
6	☑	IceCast2	192.168.4.165	Default	source	*****	/rock6	HE-AAC v2	☐	24	Auto	☑	☐			

Host CPU/Memory 88 % 45 % Audio Streaming CPU 41 % SOUND4 STREAM - 14091390

SOUND4 STREAM x8
Supervisor mode

SOUND4 STREAM x8

Host CPU/Memory 64 % 40 % Audio Streaming CPU 36 % SOUND4 STREAM - 14091390

Presets Sharing…

Thanks to Preset sharing, it is possible to share presets between cards. This is a real advantage for operators who will use a large quantity of cards, they will get their own preset accessible from all channels.

Practically there is no limitation for Preset Sharing functionality even if cards are not in the same network map. Preset Sharing use UDP protocol.

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