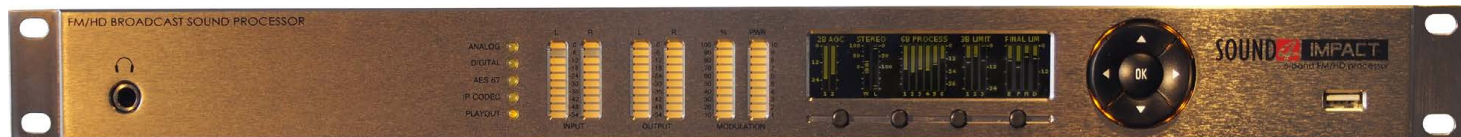


# SOUND4

## FM/HD Processors Now in the box!



### 3 FM/HD Processors... Choose your application!

**SOUND4 IMPACT**, The BIG One!  
Intelligent AGC, 6-Band Processor, Stereo Enhancer, Dynamic Clipper + many options (\*)

**SOUND4 PULSE**, The affordable One!  
Intelligent AGC, 3-Band Processor, Stereo Enhancer, IMPACT Clipper! + many options (\*) (\*\*)

**SOUND4 FIRST**, The Entry One!  
Digital Stereo Generator, RDS/RBDS, 2-Band AGC, IMPACT Clipper! + many options (\*)

\* RDS/RBDS basic or Full, Emergency Backup Player, Stream Encoder, IP Codec, Dedicated HD output with Diversity Delay, GPS sync for booster alignment.

\*\* SOUND4 PULSE can be upgraded in seconds to IMPACT via software license.

### Incredible Unrivaled Sound... From smooth to BIG, Punch your competition below the belt!

SOUND4 Processors are in a category of their own. Compared with other processors that cost up to \$14,000.

IMPACT does more for only \$5695! That's Less than half of their price for a whole lot more...

Comments from SOUND4 Users:

- **SOUND4 IMPACT**: "The sound is incredible, no other processor can produce such deep bass while maintaining the impact, plus the mids and highs don't get buried by the bass like with other processors"
- **SOUND4 PULSE**: "For the price the sound is simply unbeatable, I chose the PULSE knowing I could upgrade to IMPACT later..."

### No hidden PC inside... 100% custom designed by SOUND4 for the broadcast industry

Today most broadcast processors operate with a hidden PC in a box. This is the reason for such long boot times... look inside almost any modern processor, chances are you will find a consumer grade PC motherboard! Do you want your entire air chain running through a consumer grade PC?

The SOUND4 FM/HD product line does NOT use any hidden PC inside, you get audio to air in 3 seconds at power up!

### No mono blending dropout... SOUND4 is optimized for

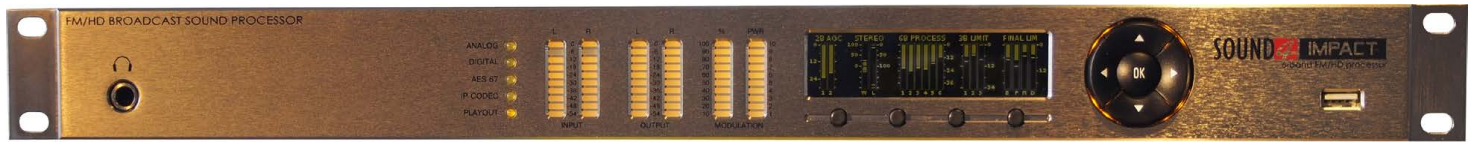
- SOUND4 FIRST: "Used as a Stereo Generator and RDS encoder at the transmitter, the FIRST sounded fantastic on it's own with it's advanced 2Band AGC, and the final limiters are the same as IMPACT!"

## Mono & Stereo receiving

Everybody knows when FM receiving is altered by multipath or low HF level, sound always changing because receivers constantly switch from Stereo to Mono... It is commonly called "blending problem". SOUND4 FM/HD Processor integrate a very new approach intended to reduce sound change when a receiver switch in Mono, the result is amazing!

## SOUND4 FM/HD PROCESSORS COMPARATIVE SHEET

	<b>SOUND4 IMPACT</b> The Big One!	<b>SOUND4 PULSE</b> The Affordable One!	<b>SOUND4 FIRST</b> The Entry One!
<b>GENERAL FEATURES</b>			
Analog Input & Output	2	2	2
Digital Input & Output	2	2	2
AES-67 / LIVEWIRE Input & Output	2	2	2
MPX FM Output	2	2	2
Automatic Input failover mix or switch	Yes	Yes	Yes
BS-412 Compliant	Yes	Yes	Yes
Boot time	3 seconds On Air	3 seconds On Air	3 seconds On Air
3 RJ45: Admin, AES-67 and IP Connect	AES-67 + IP Connect	AES-67 + IP Connect	AES-67 or IP Connect
GPIO (contact closure)	8 GPI / 8 GPO	8 GPI / 8 GPO	8 GPI / 8 GPO
Upgradable to IMPACT	-	Yes	No
Remote control Client	Yes	Yes	Yes
Link & Share protocol compatibility	Yes	Yes	Yes
Size	1U	1U	1U
<b>PROCESSING</b>			
2-Band AGC	Yes	Yes	Yes
4-Band EQ + Bass FX + Treble FX	Yes	Yes	No
Stereo FX	Yes	Yes	No
Multiband Process	6-Band	3-band	No
Multiband limiter	3-Band	3-Band	No
HD Limiter (Independent path)	Yes	Yes	Yes
Low Distorsion Bass Clipper	Yes	Yes	Yes
Low Distorsion FM Limiter	Yes	Yes	Yes
MPX Clipper	Yes	Yes	Yes
Auto-Mono	Yes	Yes	Yes
HD Latency (AES In to AES Out)	11 ms	11 ms	3 ms
FM Latency (AES In to MPX Out)	30 ms	30 ms	21 ms
Patch point insert for enhanced watermarking (PPM or others)	Yes	Yes	Yes
<b>OPTIONAL</b>			
Basic Emergency Audio player	Yes	Yes	Yes
Advanced Commercial Insertion Player	Yes	Yes	Yes
Basic RBDS/RDS Encoder	Yes	Yes	Yes
Full UECP compatible RBDS/RDS	Yes	Yes	Yes
Internet Streaming Encoder (MP3, AAC, HE-AAC v1 & v2)	6 Encoders	6 Encoders	6 Encoders
IP Codec (SOUND4 IP CONNECT)	Yes	Yes	Yes
GPS for Sync	Yes	Yes	Yes



**Enrico Pietrosanti**

Tel. 06 916505771 cell. 340 6938456  
Via Remo La Valle, 105 - 00054 Fiumicino- Roma (RM)  
info@enicopietrosanti.com Fax 06 233233289