THE TELOS ALLIANCE" Teros Omnia: (20) Omnia: (20) Teros Unice Coustic

(주)미디어큐브 www.mediacube.co.kr

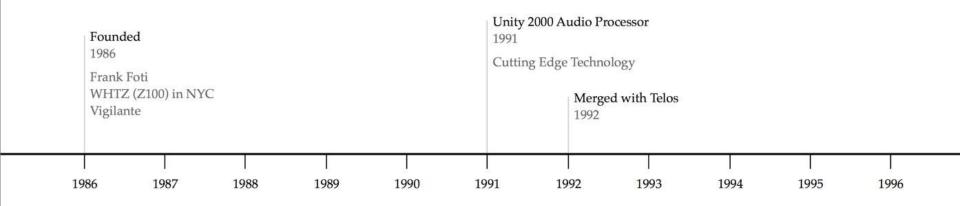


"Undo" The new way of audio processing

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History





History

		Omnia.6-fm premi 2000	eres							
		World's first 96 kH	World's first 96 kHz/24-bit broadcast audio processor							
Omnia.fm 1997	n Digital Audio Processor			2003	a.6-EX taneous FM,	HD Radio™, I	DAB processi	ng		
0000	Omnia.am and Omni 1998 Cutting Edge become				2004	ia-5EX rst HD Radio	processing fo	r AM		
997	1998 1999	2000 2001	2002	2003	2004	2005	2006	2007		



History

sol	09 ftware combines audio coder	ocessing with streaming
		Omnia F/XE 2011
		or file-based audio processing and encoding
		Frank Foti became CEO of Telos Alliance 2012
Omnia technology 2007		Omnia.11 on-air in all Top 10 US markets 2012
he first FM-HD surround bro WZLX, Boston	adcast in the world ove	Omnia Direct 2013
	Omnia.11 2010	the industry's first composite digital path from audio processor to transmitter



Over 800 Omnia.11





Over 1100 Omnia.9





Over 10,000 Omnia ONE



Omnia's Invention

- The Dividend Composite Filter
- Non-aliasing DSP clipper
- Dynamically flat time-aligned crossovers
- Low-IMD clipping
- Multi-band look-ahead limiting
- Integrated FM and HD processing
- "Undo" de-clipper and multiband expander
- Psychoacoustic composite embedder (up to 140% audio peaks at 100% total modulation)
- Complete one-box solution encompassing FM, HD, streaming processing/encoding, and RDS
- Omnia Direct: First direct digital processor-to-transmitter link



Omnia's Invention

Omnia Audio is CURRENTLY involved in a campaign to confirm that SSBSC (single sideband suppressed carrier) FM stereo will, in many cases, drastically reduce multipath distortion around tall buildings and terrain variations.

Both Omnia.11 and Omnia.9 have this technology already on board.

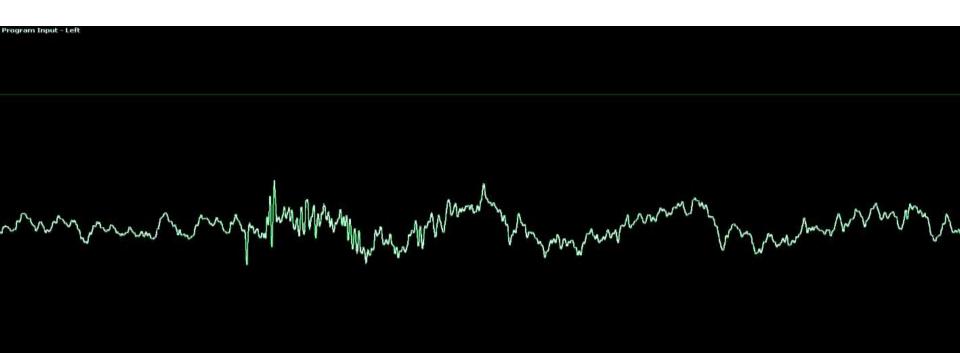


Undo

Why we need Undo?

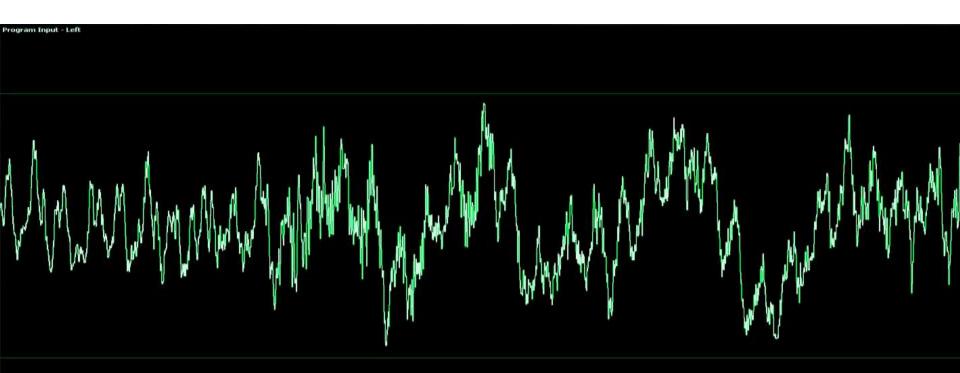


• 1985, Dire Straits' "Money for Nothing"



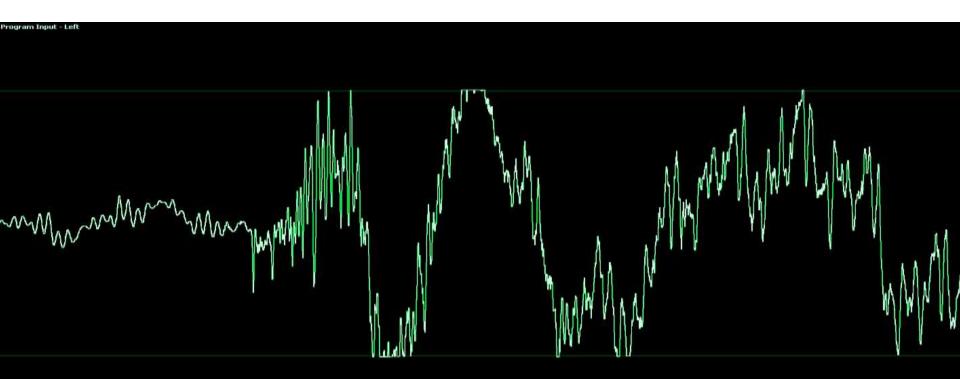


• 1995, Alanis Morissette's "Ironic"



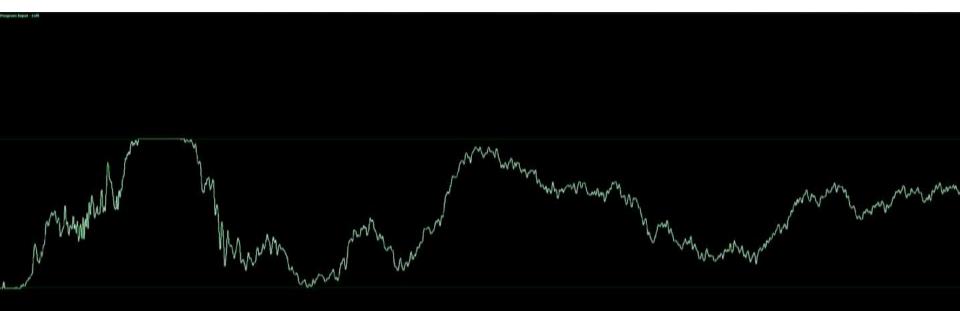


• 1999, Red Hot Chili Peppers' "Californication"





• 2003, Green Day's "Wake Me Up When September Ends"





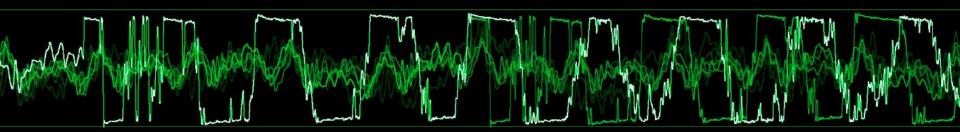
Undo

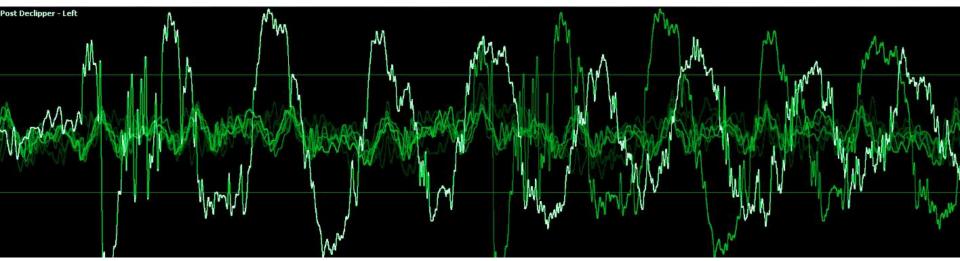
- de-clipper
- multiband expender



de-clipper

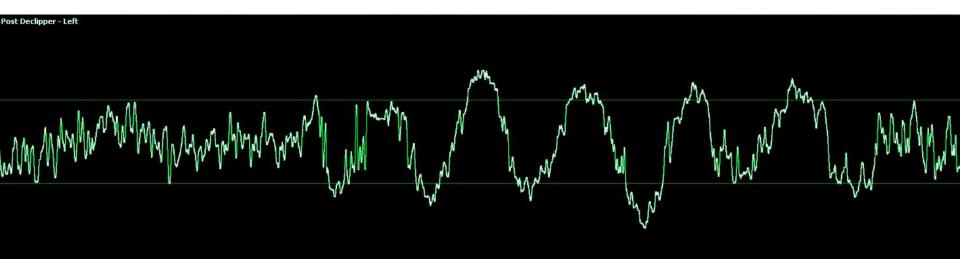
Pre Declipper - Left

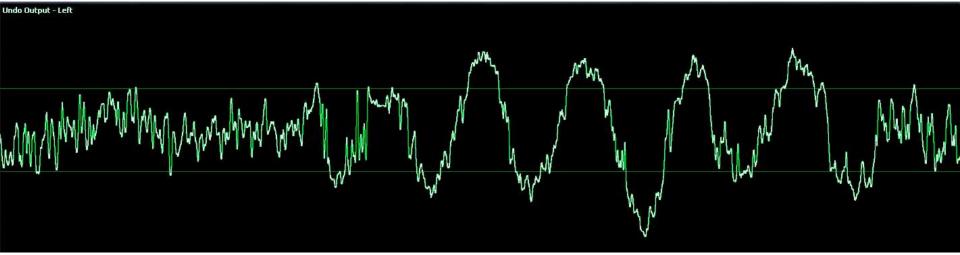






multiband expender







demo



Omnia.<mark>9</mark> The swiss knife of audio processor



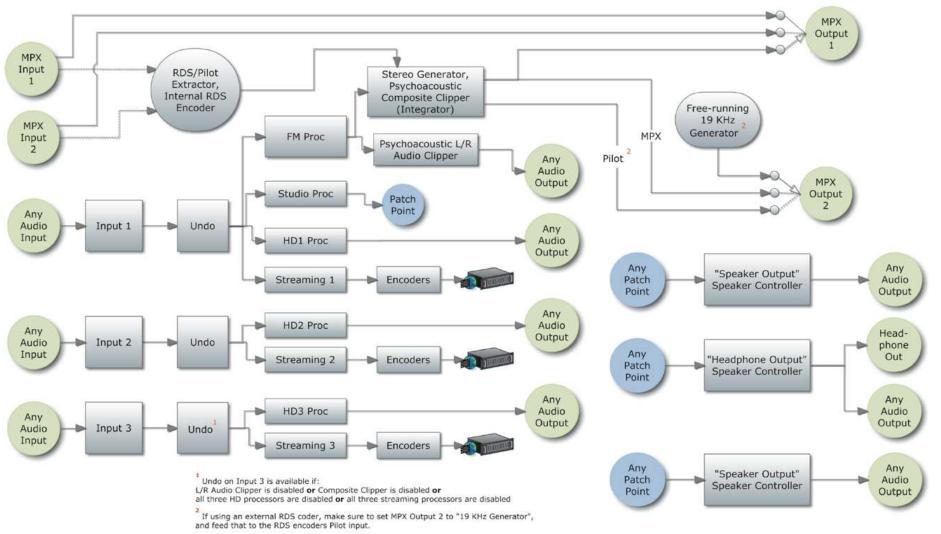
RF bandwidth Control



Auto Pilot



Block Diagram



Omnia

Workflow |





demo



Omnia.9 ne most <mark>secure</mark> audio processor ev



Main / Backup Input auto-switch

Customise switch condition and timing



Internal Playback

FTP upload contents

Station ID Insertion



Dual Power Supply

Alarm Hot-swappable



Relay Bypass

for all Analog, Digital, MPX I/O

