






**Manufacturer's
Product Part Numbers**
Effective 1 August 2007


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Section 1: New Products




Omnia ONE Precision Audio Processor	
 <p><i>Omnia ONE FM</i></p>	<p><u>Omnia ONE-FM*</u> P/N 2001-00220</p> <p>Single rack space full-featured FM audio processor. 24-Bit processing and converters, Wideband AGC followed by a Four-Band AGC and Four-Band Limiter. Advanced, fully distortion-controlled final limiter/clipper. Integrated digital stereo generator with advanced peak control. Analog and AES/EBU digital inputs and outputs. Two composite MPX outputs, SCA input and 19kHz output. External Sync input to synchronize output sample rate to external reference. Ethernet/Livewire port, RS-232 Modem and GPI remote control ports. Built-in stereo headphone jack with level control. Dual software banks, updateable with a simple software download. 1 RU, shipping weight 12lbs, 5.5 kg.</p>
 <p><i>Omnia ONE Multicast</i></p>	<p><u>Omnia ONE-Multicast*</u> P/N 2001-00218</p> <p>Processing for coded audio streams (including HD radio Streams, netcasting, podcasting, satcasting, etc.). 24-Bit processing and converters, Wideband AGC followed by a Four-Band AGC, Four-Band Limiter and Ultra low-distortion look-ahead final limiting optimized for the HD codec. Sensus codec conditioning technology. Analog and AES/EBU digital inputs and outputs, External Sync input to synchronize output sample rate to external reference. Ethernet/Livewire port, RS-232 Modem and GPI remote control ports. Built-in stereo headphone jack with level control. Dual software banks, updateable with a simple software download. 1 RU, shipping weight 12lbs, 5.5 kg.</p>
 <p><i>Omnia ONE DAB</i></p>	<p><u>Omnia ONE-DAB*</u> P/N 2001-00239</p> <p>The world's first and only precision digital audio processor designed for DAB (Digital Radio Mondiale). 24-Bit processing and converters, Wideband AGC followed by a Four-Band AGC, Four-Band Limiter and Ultra low-distortion look-ahead final limiting optimized for the HD codec. Sensus codec conditioning technology. Analog and AES/EBU digital inputs and outputs, External Sync input to synchronize output sample rate to external reference. Ethernet/Livewire port, RS-232 Modem and GPI remote control ports. Built-in stereo headphone jack with level control. Dual software banks, updateable with a simple software download. 1 RU, shipping weight 12lbs, 5.5 kg.</p>

* A minimum order of two units is required.



Section 2: Air Audio Processors for FM Radio Broadcast

Omnia-6Exi HD+FM	
 <p><i>Omnia-6Exi HD+FM</i></p>	<p><u>Omnia-6EX/HD+FM</u> P/N 2001-00183</p> <p>Advanced FM audio processor with parallel processing paths optimized for both conventional and digital FM transmission. Full 20Hz-20 kHz bandwidth and a unique final limiter for DAB systems; New integral fully adjustable diversity delay for HD Radio; New LoIMD non-aliening digital clipping system, integrated stereo generator with advanced peak control, pilot filter and dual composite MPX outputs for conventional FM. 96 kHz, 24-bit resolution. 6 band limiter, 5 AGC bands, wideband AGC. Twin color displays. Digital and analog I/O with dual AES / EBU outputs. 'HD' output suitable for DAB, internet streaming, satellite, etc. Adjustable AGC crossovers. Stereo EFX enhancement. Dorrough™ Loudness meter. Flexible remote control via Ethernet, serial or modem connection. 3RU. Shipping weight 36 pounds, 16.3 kg.]</p>
	<p><u>Upgrade: Omnia-6FM to Omnia-6EX/HD+FM</u> P/N 2011-00040</p> <p>Omnia-6EX/HD+FM Hardware/Software Upgrade- Adds HD Radio processing functionality to any Omnia-6FM processor. Includes second AES/EBU output; allows simultaneous processing for FM Analog and HD Radio. Includes the new integral HD Radio diversity delay and LoIMD clipper for conventional FM.</p> <p>Direct factory installation. Contact Telos/Omnia for details.</p>
	<p><u>Upgrade: Omnia-6EX to Omnia-6EX/HD+FM</u> P/N 2011-00041</p> <p>Omnia-6EX/HD+FM Hardware/Software Upgrade- Adds the new integral diversity delay for HD Radio and the new LoIMD non-aliasing digital clipping system for conventional FM processing to any Omnia-6EX processor.</p> <p>Field upgrade.</p>
Omnia-6EX HD+FM Precision Audio	
 <p><i>Omnia-6EX HD+FM</i></p>	<p><u>Omnia-6EX HD+FM</u> P/N 2001-00125</p> <p>Advanced FM audio processor with parallel processing paths optimized for both conventional and digital FM transmission. Full 20Hz-20 kHz bandwidth and a unique final limiter for DAB systems; integrated stereo generator with advanced peak control, pilot filter and dual composite MPX outputs for conventional FM. 96 kHz, 24-bit resolution. 6 band limiter, 5 AGC bands, wideband AGC. Twin color displays. Digital and analog I/O with dual AES / EBU outputs. 'HD' output suitable for DAB, internet streaming, satellite, etc. Adjustable AGC crossovers. Stereo EFX enhancement. Dorrough™ Loudness meter. Flexible remote control via Ethernet, serial or modem connection. 3RU. Shipping weight 36 pounds, 16.3 kg.]</p>
	<p><u>Upgrade: Omnia-6FM to Omnia-6EX HD+FM</u> P/N 2011-00022HW P/N 2011-00023SW</p> <p>Omnia-6EX HD+FM Hardware/Software Upgrade- Adds HD Radio processing functionality to any Omnia-6FM processor. Includes second AES/EBU output; allows simultaneous processing for FM Analog and HD Radio. Order both part numbers for complete upgrade.</p> <p>Direct factory installation. Contact Telos/Omnia for details.</p>

Section 2: Air Audio Processors for FM Radio Broadcast (continued)



Omnia-5EX HD+FM Precision Audio	
 <p><i>Omnia-5EX HD+FM</i></p>	<p><u>Omnia-5EX HD+FM</u> P/N 2001-00130</p> <p>Advanced FM audio processor with parallel processing paths optimized for both conventional and digital FM transmission. Full 20Hz-20 kHz bandwidth and a unique final limiter for DAB systems; integrated stereo generator with advanced peak control, pilot filter and dual composite MPX outputs for conventional FM. 96 kHz, 24-bit resolution. 5 band limiter, 2 AGC bands, wideband AGC. Full color display. Digital and analog I/O with dual AES / EBU outputs. 'HD' output suitable for DAB, internet streaming, satellite, etc. Optional Stereo EFX enhancement (p/n 2001-0009). Flexible remote control via Ethernet, serial or modem connection. 3RU. Shipping weight 36 pounds, 16.3 kg.]</p> <p>Space EFX Plug-in for Omnia-5EX P/N 2011-00009 INCLUDED</p> <p>Included with purchase of the Omnia-5EX HD+FM</p>
	<p><u>Upgrade: Omnia-4.5fm to Omnia-5EX HD+FM</u> P/N 2011-00029HW P/N 2011-00030SW</p> <p>Omnia-5EX HD+FM Hardware/Software Upgrade– Adds HD Radio processing functionality to any Omnia-4.5FM processor. Includes second AES/EBU output; allows simultaneous processing for FM Analog and HD Radio. Order both part numbers for complete upgrade.</p> <p>Direct factory installation. Contact Telos/Omnia for details.</p>
	<p><u>Optional Space EFX Plug-in for Omnia-5EX</u> P/N 2011-00009</p> <p>Stereo EFX Enhancement for Omnia 5EX.FM. Spatial enhancement plug-in improves stereo imaging without artifacts or exaggerating multipath. Available for Omnia-5EX only. Software authorization is required to enable this feature. Contact Omnia support for details.</p>
Omnia-3 FM Turbo Precision FM Audio	
 <p><i>Omnia-3 FM Turbo</i></p>	<p><u>Omnia-3 FM Turbo</u> P/N 2001-00144</p> <p>Newly Turbocharged, this powerful audio processor in a small chassis now adds three additional bands of AGC/Compression to the three existing bands of limiting and the wideband AGC currently found in the Omnia-3 FM. Integrated digital Stereo Generator with advanced peak control. 48 kHz sampling, 24 Bit resolution. Digital and analog I/O, dual composite MPX outputs. Serial port. Dual PC card slots for memory and optional modem. 2RU. Shipping weight 25 pounds, 11.3kg.</p>
 <p><i>Omnia PCMCIA Card</i></p>	<p><u>Optional PCMCIA Card for Omnia-3</u> P/N 3001-00010</p> <p>Processing platform conversion to Omnia-3AM, Omnia-3FM, or Omnia-3NET platform. Please specify AM, FM or NET at time of purchase. Shipping weight 1 pound, .45 kg.</p>
	<p><u>Optional Ethernet Module for Omnia-3</u> P/N 2011-00013</p> <p>Network remote control upgrade for Omnia-3 processors. Includes module and 1451-00197(bracket) together.</p>

Section 3: On-air Audio Processors for AM Radio Broadcast

Omnia-5EXi HD+AM Precision AM Audio	
 <p><i>Omnia 5EXi HD+AM</i></p>	<p><u>Omnia-5EX/ HD+AM</u> P/N 2001-00185</p> <p>Advanced AM audio processor with parallel processing paths optimized for both conventional and digital AM transmission. New integral fully adjustable diversity delay for HD Radio. Selectable 12kHz-20kHz bandwidth and a unique final limiter for DAB systems. Selectable 4.5, 5, 5.5, 6, 7, 8 and 10 kHz bandwidth and fully distortion controlled final limiter with adjustable positive peak control for conventional AM. 96 kHz, 24-bit resolution. 5 band limiter, 2 AGC bands, wideband AGC. Full color display. Digital and analog I/O with dual AES / EBU outputs. 'HD' output suitable for DAB, internet streaming, satellite, etc. Optional Stereo EFX enhancement (P/N 2001-00009). Flexible remote control via Ethernet, serial or modem connection. 3RU. Shipping weight 36 pounds, 16.3 kg.</p>
	<p><u>Upgrade: Omnia-4.5am to Omnia-5EX/ HD+AM</u> P/N 2011-00038</p> <p>Omnia-5EX/ HD+AM Hardware/Software Upgrade- Adds HD Radio processing functionality to any Omnia-4.5AM processor. Includes new integral fully adjustable diversity delay for HD Radio; second AES/EBU output; allows simultaneous processing for FM Analog and HD Radio. Order both part numbers for complete upgrade.</p> <p>Direct factory installation. Contact Telos/Omnia for details.</p>
	<p><u>Upgrade: Omnia-5EX+AM to Omnia-5EX/ HD+AM</u> P/N 2011-00039</p> <p>Omnia-5EX/ HD+FM Hardware/Software Upgrade- Adds integral fully adjustable diversity delay for HD Radio to any Omnia-5EX am processor.</p> <p>Field upgrade.</p>
Omnia-5EX HD+AM Precision AM Audio	
 <p><i>Omnia-5EX</i></p>	<p><u>Omnia-5EX HD+AM</u> P/N 2001-00141</p> <p>Advanced AM audio processor with parallel processing paths optimized for both conventional and digital AM transmission. Selectable 12kHz-20kHz bandwidth and a unique final limiter for DAB systems. Fully distortion controlled final limiter with adjustable positive peak control for conventional AM. Selectable 4.5, 5, 5.5, 6, 7, 8 and 10 kHz bandwidth and fully distortion controlled final limiter with adjustable positive peak control for conventional AM. 96 kHz, 24-bit resolution. 5 band limiter, 2 AGC bands, wideband AGC. Full color display. Digital and analog I/O with dual AES / EBU outputs. Digital output suitable for DAB, internet streaming, satellite, etc. Optional Stereo EFX enhancement (P/N 2001-00009). Flexible remote control via Ethernet, serial or modem connection. 3RU. Shipping weight 36 pounds, 16.3 kg.</p>
	<p><u>Upgrade: Omnia-4.5am to Omnia-5EX HD+AM</u> P/N 2011-00029HW P/N 2011-00031SW</p> <p>Omnia-5EX HD+AM Hardware/Software Upgrade- Adds HD Radio processing functionality to any Omnia-4.5AM processor. Includes second AES/EBU output; allows simultaneous processing for FM Analog and HD Radio. Order both part numbers for complete upgrade.</p> <p>Direct factory installation. Contact Telos/Omnia for details.</p>


Section 3: On-air Audio Processors for AM Radio Broadcast (continued)

Omnia-3AM Precision AM Audio Processor


 <p><i>Omnia-3AM</i></p>	<p><u>Omnia-3am</u> P/N 2001-00018</p> <p>48 kHz sampling rate, 24-bit resolution. Four-band limiter with wideband AGC. Analog I/O uses 24-bit A/D – D/A converters. Mono or stereo processing. Digital and analog I/O. Serial ports. Dual PC card slots for memory and optional modem. 2RU. Shipping weight 25 pounds, 11.3 kg.</p>
 <p><i>Omnia PCMCIA Card</i></p>	<p><u>Optional PCMCIA Card for Omnia-3</u> P/N 3001-00010</p> <p>Omnia-3 PCMCIA Card. Processing platform conversion to Omnia-3AM, Omnia-3FM or Omnia-3net platform. Specify AM, FM or NET. Shipping weight 1 pound, .45 kg.</p>
	<p><u>Optional Ethernet Module for Omnia-3</u> P/N 2011-00013</p> <p>Network remote control upgrade for Omnia-3 processors. Includes 1701-00125 (module) and 1451-00197(bracket) together.</p>

Section 4: Audio Processors for Streaming Audio

Omnia.8X Multi-Stream Networked Audio

 <p><i>Omnia.8X</i></p>	<p><u>Omnia.8X</u> P/N 2001-00206</p> <p>Eight discrete 3-band stereo Omnia processors in a single box. Modeled after the Omnia 3 NET, it's perfect for processing multiple HD Radio channels, satcasting, Internet audio, etc. Connects to your Axia Network using a single CAT-6 cable for all I/O. Or pair with an Axia AES or Analog Audio Node for use as a standalone multiple-stream processor.</p>
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Omnia A/X Processing Software for PC

 <p><i>Omnia A/X</i></p>	<p><u>Omnia A/X</u> P/N 3001-00008</p> <p>Processing software audio for your audio workstation. Omnia A/X works seamlessly with Windows Media, Real, and MP3 streaming encoders to deliver significantly improved sound quality to your audio streams. Requires 800MHz or higher Pentium III computer with audio card running Windows 98, 2000, NT or XP, 16-bit SVGA video card, encoder and network interface for streaming.</p> <p>Omnia cannot provide refunds for non-defective software. Defective software can be returned for replacement only.</p>
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Section 5: Omnia Specialty Products

Omnia-CD Precision HD Audio Processor



Omnia-CD

[Omnia-CD](#) P/N 2001-00021

Master as loud as you need to while maintaining pristine audio quality. Omnia-CD delivers the smooth sweetened and consistent sound without compromise. 96 kHz, 24-bit resolution. 6 band limiter, 5 AGC bands, wideband AGC. Twin color displays. Adjustable AGC crossovers. Digital and analog I/O, dual composite outputs. Stereo EFX enhancement. Dorrrough™ Loudness meter. Ethernet and serial ports. Dual PC card slots for memory and optional modem. Complete with a choice of two final limiter algorithms specially designed for CD mastering, which allows engineers to create “hotter” cuts with lower distortion 3RU. Shipping weight 36 pounds, 16.3 kg.

Stereo Generator for FM Radio Broadcast



Omnia.sg

[Omnia.sg](#) P/N 2001-00047

Standalone all-digital stereo generator for applications where audio processing is performed remotely from transmitter. Also, useful in FM HD Radio installations for generating a clean composite FM signal from the delayed AES output of the HD Radio signal generator. Includes composite clipper & low-pass filter. Digital & analog inputs, dual-composite outputs, SCA loop-throughs. Software upgradeable via RS-232. Remote control capable. 1 RU. Shipping weight 8.5 pounds, 3.8 kg

On-Site Omnia Configuration

[Omnia Configuration](#) P/N 4000-00006

Per day + Expenses*

Factory-authorized technician will assist in on-site configuring of your Omnia processor for analog, HD and/or multicast. At least three weeks notice required. Scheduled per availability. Notify support@omniaaudio.com or call Support at: 216-241-7225.

*Expenses include but are not limited to travel, lodging, and meals.