



**Manufacturer's
Suggested Retail Pricing**
Effective 6 April, 2012
Price List #120406

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www.Telos-Systems.com

Section 1: Multiline Broadcast Talkshow Systems

VX Broadcast VoIP Talkshow System



VX Engine

VX Engine

P/N 2001- 00307 (Replaces 2001-00278)

\$8,495.00

Telos VX is the world's first multi-studio VoIP phone system for broadcast. It's scalable to provide its advanced phone interface capabilities to facilities with a few studios or dozens. VX uses Ethernet as its network backbone, a powerful yet simple way to share phone lines among studios and connect system components. VX plugs into Axia IP-Audio networks, connecting multiple channels of audio and control via a single Ethernet RJ-45. If you don't have an IP-Audio network yet, VX works with the Analog or AES Audio Interfaces and VX GPIO Interfaces. The VX uses standard SIP (Session Initiation Protocol) and RTP (Real-time Transport Protocol), so it works with your VoIP-based PBX or SIP-trunking Telco service. A VX Engine can easily have over 100 SIP phone numbers associated with its configuration. Each VX Engine can have 48 of these numbers active at any time, available for callers to ring-in. Of the 48 active lines, any 16 may be simultaneously engaged in conversation on-air, with full audio processing. In typical operations one Telos VX Engine is sized to handle the on-air and off-air calls for 3 to 5 active studios.. Gateways allow the VX to connect to traditional Telco lines, including T1/E1, ISDN, and POTS. Each studio has a dedicated Program-on-Hold input. Breakthrough Acoustic Echo Cancellation (AEC) capability helps the long-standing problem of feedback and echo in open-speaker situations. Each VX Engine purchase includes Telos VX Producer Call Screening Software and XScreen Lite by Broadcast Bionics. Fan-free for cool, silent in-studio deployment and equipped with dual Gigabit Ethernet ports, dual-redundant internal power supplies with automatic switching. Auto-sensing power supplies, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 2RU.



VSet12

VSet12

P/N 2001-00281

\$1,049.00

The Telos VSet12 phone is beautifully designed, with a friendly LCD color display that uses exclusive Status Symbols to let talent know what's going on instantly. VSet12 can handle up to 12 phone lines, providing detailed line status, and caller information at a glance. The info-rich display shows caller ID for each line, along with time ringing-in or on-hold, and even screener comments from the VX Producer software application. VSet12 gives talent unprecedented flexibility. You can map groups of lines to a single fader, making it simple to take a queue of calls to air sequentially. One-touch controls let talent step through queued calls, busy incoming lines, lock calls on-air, or start an external recording device. A built-in address book and call history log round out VSet12's features; each VSet12 has its own web server for easy remote configuration and software upgrades. Flexible power options include PoE (Power over Ethernet) from a Telos-approved switch, a powered Ethernet port on an Axia console engine, or the included in-line power injector. Stands 4.9" (123 cm) tall, with footprint dimensions of 12" x 7" (29.5 x 18 cm). Power consumption: 15.4 Watts. Shipping dimensions 16 1/4"x13"x10" (41 x 33 x 25cm), weight 9 lbs (4.1 kg).

VX Broadcast VoIP Talkshow System, *continued*



VSet6

VSet6

P/N 2001-00294 **NEW**

\$795.00

Like its big brother, the VSet12, the new Telos VSet6 phone has a bright, attractive LCD color display with Telos Status Symbols to feed talent instant information about line and caller status. VSet6 can handle up to 6 phone lines. The info-rich display shows caller ID for each line, along with time ringing-in or on-hold, and even screener comments from the VX Producer software application. VSet6 gives talent unprecedented flexibility. You can map groups of lines to a single fader, making it simple to take a queue of calls to air sequentially. Controls let talent step through queued calls, busy incoming lines, lock calls on-air, or start an external recording device. A built-in address book and call history log round out the features; also, each VSet6 has its own web server for easy remote configuration and software upgrades. Flexible power options include PoE (Power over Ethernet) from a Telos-approved switch, a powered Ethernet port on an Axia console engine, or the included in-line power injector. Stands 4.9" (123 cm) tall, with footprint dimensions of 12" x 7" (29.5 x 18 cm). Power consumption: 15.4 Watts. Shipping dimensions 16¼"x13"x10" (41 x 33 x 25cm), weight 9 lbs (4.1 kg).

This product will ship in Q2 of 2012



VSet1

VSet1

P/N 2001- 2001-00295 **NEW**

\$695.00

The new Telos VSet1 phone provides convenient single-line access to your VX system. Perfect for locations such as news booths or voiceover stations where access to multiple lines is not required. Big, bright LCD color display lets users intuitively navigate through available options, and provides information such as caller ID time ringing and time on-hold, and even screener comments from the VX Producer software application. One-touch controls let talent easily hold, drop, and step through queued calls. Internal web server enables easy remote configuration and software upgrades. Flexible power options include PoE (Power over Ethernet) from a Telos-approved switch, a powered Ethernet port on an Axia console engine, or the included in-line power injector. Stands 4.9" (123 cm) tall, with footprint dimensions of 12" x 7" (29.5 x 18 cm). Power consumption: 15.4 Watts. Shipping dimensions 16¼"x13"x10" (41 x 33 x 25cm), weight 9 lbs (4.1 kg).

This product will ship in Q2 of 2012



VX Analog Audio Interface

VX Analog Audio Interface

P/N 2001-00257

\$2,495.00

The VX Analog audio interface has eight balanced stereo inputs and eight balanced stereo outputs, presented on easy-to-install RJ-45connectors. The inputs are switchable to accommodate consumer level -10dBv or professional level +4dBu. Outputs are short-circuit protected and capable of delivering up to +24dBu before clipping. Superior performance specs include 102dB of dynamic range, <0.005% THD. Auto-sensing power supply, 90VAC to 240VAC, 50Hz/60Hz. 30 Watts. Rackmount, 1RU.



VX AES/EBU Audio Interface

VX AES/EBU Audio Interface

P/N 2001-00258

\$2,495.00

The VX AES/EBU audio interface provides eight digital AES3 inputs and outputs. Auto-sensing power supply, 90VAC to 240VAC, 50Hz/60Hz. 30 Watts. Rackmount, 1RU.



VX GPIO Logic Interface

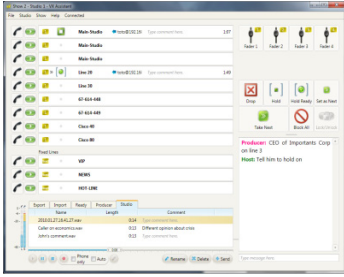
VX GPIO Logic Interface

P/N 2001-00259

\$2,295.00

Each VX GPIO Logic Interface has eight assignable logic ports. Each port contains 5 opto-isolated outputs. Auto-sensing power supply, 90VAC to 240VAC, 50Hz/60Hz. 33 Watts. Rackmount, 1RU.

VX Broadcast VoIP Talkshow System, continued



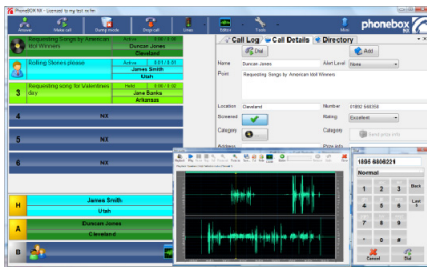
VX Producer Software

Telos VX Producer Software

P/N 3001-00045

INCLUDED with VX

Windows™-based VX Producer software streamlines call screening, recording and editing with its intuitive, user-friendly interface. VX Producer gives talk show producers all the information they need, including caller status, screener's comments, Caller ID and time per call for up to 12 lines. Like the VSet12, VX Producer includes an address book and call history log. There's also a Chat function that lets producers and talent using VX Producer communicate quickly off-air. But, VX Producer is much more than just a call screening application. Plug a headset mic into your PC, and you can make and take phone calls directly from VX Producer — no phone set needed. There's also a built-in audio editing application that lets you record, edit and play back conversations without the need for any third-party software. When you're done editing, click "Send to Studio" and it's ready to play on-air. Included with the purchase of VX Engine, or iQ6 Telco Gateway.



XScreen Lite

XScreen Lite by Broadcast Bionics **NEW**

INCLUDED with VX

XScreen Lite call screening software from Broadcast Bionics now seamlessly integrates with, and is included free with, all Telos VX, Nx and iQ6 Talkshow Systems.

XScreen Lite's interface gives screeners and hosts more information and greater control than ever before. XScreen provides sophisticated visual talkback, including a drag and drop database of all calls for your show as well as a phonebook and visual warnings for persistent or nuisance callers.

Upgrade to the full XScreen client software to add even more features, including extended call history, an enhanced phonebook, prize management and powerful GPIO functionality. XScreen, deployed as part of a Livewire network, also enables powerful call recording, editing and console integration directly over the network.

*Download the free XScreen Lite Version: www.phonebox.com/xscreen/



Patton SmartNode Telephone Gateway

Telos-Approved Telephone Gateways

Telos VX connects directly to SIP Trunking services and SIP-capable PBX systems. For use with POTS and ISDN BRI/PRI phone lines, an approved telco gateway is required.

Although VX may work well with other products, Telos recommends and supports SmartNode Gateways from Patton Electronics, Inc. due to their reliability, feature sets and performance. A wide range of Patton gateways are available; for a list of specific models recommended for use with Telos VX, please visit Telos-Systems.com/VX/.



Engine Power Supply

DSP Engine Spare Power Supply

P/N 1771-00064

\$195.00

Field-replaceable internal power-supply for second-generation Telos Zephyr iPort, Omnia.8X Audio Processor, Axia StudioEngine and Axia Pathfinder Core PRO products. Auto-sensing, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts.

Fits part numbers 2001-00296, 2001-00304, 2001-00305, 2001-00306.



On-Site Configuration, Training & Network Design for VX Systems

P/N 4000-00026

\$1,359.00 per day + expenses

VX Talkshow Systems are easy to set up and configure. However, some clients prefer to have us assist them during their first installation; for \$1,395 per day plus expenses*, a Telos support expert is available to assist with on-site network design, hardware/software configuration and equipment training sessions.

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

VX Broadcast VoIP Talkshow System, *continued*



Remote Configuration for VX Systems

P/N 4000-00027

\$75.00 per half-hour

It may be possible for a Telos support expert to configure your Telos VX system and Telco gateways via remote access to your VX network. Telos support experts are available to assist with remote hardware/software configuration and gateway setup at a rate of \$75.00 per half-hour. This is a direct factory service invoiced by Telos; please contact Telos support to schedule this service.

Nx12 Digital Talkshow System



Nx12 System: Nx12, Desktop Director, and Assistant Producer



Nx12

Nx12 ISDN Hybrid

P/N 2001-00210 **6* ISDN U (2B1Q 2-wire) + Livewire & Analog I/O** **\$4,395.00**

For use in Canada and USA

P/N 2001-00209 **6* ISDN S (4-wire) + Livewire & Analog I/O** **\$4,395.00**

For use outside of North America

P/N 2001-00213 **6* ISDN U (2B1Q 2-wire) + Livewire & AES I/O** **\$4,595.00**

For use in Canada and USA

P/N 2001-00212 **6* ISDN S (4-wire) + Livewire & AES I/O** **\$4,595.00**

For use outside of North America

Nx12 POTS Hybrid

P/N 2001-00208 **12 lines POTS + Livewire and Analog I/O** **\$4,395.00**

For Worldwide Use.

P/N 2001-00211 **12 lines POTS+ Livewire and AES I/O** **\$4,595.00**

For Worldwide Use.

Nx12 POTS+ISDN Hybrid

P/N 2001-00215 **6 lines POTS+ 3* ISDN U (2B1Q 2-wire) + Analog I/O** **\$4,395.00**

For use in Canada and USA

P/N 2001-00214 **6 lines POTS + 3* ISDN S (4-wire) + Analog I/O** **\$4,395.00**

For use outside of North America

P/N 2001-00217 **6 POTS+ 3* ISDN U (2B1Q 2-wire)+ AES I/O** **\$4,595.00**

For use in Canada and USA






P/N 2001-00216 **6 POTS+ 3* ISDN S (4-wire) + AES I/O** **\$4,595.00**

For use outside of North America

Advanced 12-line telephone system with four independent digital hybrids. Callers can be managed in separate screened and hold queues, and taken to air on a dedicated hybrid, or 'button mashed' for quick on-air conferencing. Nx12 can also be configured for two-studio operation, giving each studio independent queues and their own two hybrids. Separate studios may share or split lines. An available internal mix-minus (required with analog outputs) saves console space while utilizing individual hybrids. Supports Livewire IP-Audio; can be ordered with AES/EBU or Analog I/O. Each hybrid has new symmetrical wide-range ACG by Omnia, plus new long-tail-echo cancellation for VoIP and Cellular callers. Support for ISDN (S or U) and/or universal POTS (see above). Each NX Talk Show System includes Telos Assistant Producer Call Screening Software and XScreen Lite by Broadcast Bionics for more information and greater control of your talk shows. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 2RU

** Each ISDN line has two B channels for 2 lines or "dial tones."*

Nx12 Digital Talkshow System, *continued*

 <p><i>Desktop Director</i></p>	<p><u>Desktop Director</u> P/N 2001-00071 \$1,095.00</p> <p>Used for line selection of Nx and TWOx12 systems conferencing, screening calls, dialing and other talk show functions. Comes with handset and separate connection for optional 3rd-party call screener's headset. Nx12 and Nx6 support two Desktop Directors standard, expandable to eight with a Power Supply 2091-00001 for each Desktop Director above two.</p>
 <p><i>Extended Desktop Director</i></p>	<p><u>Extended Desktop Director</u> P/N 2001-00072 \$1,795.00</p> <p>Used for extended line capacity of Nx or TWOx12 systems. Provides line status for and permits control of up to 12 incoming calls assignable to four hybrids. Includes built-in acoustically isolated speakerphone, handset and headset port.</p>
 <p><i>Call Controller</i></p>	<p><u>Call Controller</u> P/N 2001-00143 \$895.00</p> <p>Used for line selection of the Nx or TWOx12. This cost effective and compact control option provides call screening and line status for control of up to 12 lines and 2 hybrids. Connect the Call Controller to an ordinary POTS telephone of your choice (not included) for screener or studio telephone operation.</p>
 <p><i>Desktop Director power supply</i></p>	<p><u>Desktop Director Power Supply</u> P/N 2091-00001 \$275.00</p> <p>For 2001-00071 Desktop Director, 2001-00072 Desktop Director Extended, 2001-00143 Call Controller. Power supply(s) is required when using more than two Desktop Directors and/or Call Controllers. This power supply is also required when a Desktop Director cable is in excess of 250 feet (63.5m). Includes all cabling needed to connect power supply with Nx12, Nx6, TWOx12 or 2101 I/O.</p>
	<p><u>AES Option for Nx phone systems</u> P/N 2011-00080 AES Daughter Card \$239.00</p> <p>Converts the mono analog XLR inputs and outputs on an Nx6 or Nx12 to AES/EBU digital audio format. With two channels of audio on each connector, the internal mix minus can be disabled to allow individual hybrid level control on a mixing console.</p>

Nx6 Digital Talkshow System

 <p>NX6, Desktop Director, and Assistant Producer Software</p>  <p>NX6</p>	<p><u>Nx6 POTS Hybrid</u> P/N 2001-00265 6 lines POTS + Livewire & Analog I/O \$3,495.00 For Worldwide Use</p> <p>P/N 2001-00266 6 lines POTS + Livewire & AES I/O \$3,695.00 For Worldwide Use</p> <p><u>Nx6 ISDN Hybrid</u> P/N 2001-00267 3* ISDN U (2B1Q 2-wire) + Livewire & Analog I/O \$3,495.00 For use in Canada and USA</p> <p>P/N 2001-00268 3* ISDN S (4-wire) + Livewire & Analog I/O \$3,495.00 For use outside of North America</p> <p>P/N 2001-00269 3* ISDN U (2B1Q 2-wire) + Livewire & AES I/O \$3,695.00 For use in Canada and USA</p> <p>P/N 2001-00270 3* ISDN S (4-wire) + Livewire and AES I/O \$3,695.00 For use outside of North America</p> <p>Equipped with six lines and four advanced hybrids that can be used in a single studio, or split across two studios. When analog outputs are used, the callers are mixed down to two feeds, while still making use of all hybrids. Standard balanced analog audio connection via XLRs or via Axia Livewire audio-over-Ethernet. AES option available. The Nx6 may be ordered with 6 POTS (analog) telephone jacks, or 3 ISDN connections (with two BRI channels per connector, giving six digital lines). Each NX Talk Show System includes Telos Assistant Producer Call Screening Software and XScreen Lite by Broadcast Bionics for more information and greater control of your talk shows. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 2RU</p> <p><i>* Each ISDN line has two B channels for 2 lines or "dial tones."</i></p>
 <p>Desktop Director</p>	<p><u>Desktop Director</u> P/N 2001-00071 \$1,095.00</p> <p>Used for line selection of Nx and TWOx12 systems conferencing, screening calls, dialing and other talk show functions. Comes with handset and separate connection for optional 3rd-party call screener's headset. Nx12 and Nx6 support two Desktop Directors standard, expandable to eight with a Power Supply 2091-00001 for each Desktop Director above two.</p>
 <p>Extended Desktop Director</p>	<p><u>Extended Desktop Director</u> P/N 2001-00072 \$1,795.00</p> <p>Used for extended line capacity of Nx or TWOx12 systems. Provides line status for and permits control of up to 12 incoming calls assignable to four hybrids. Includes built-in acoustically isolated speakerphone, handset and headset port.</p>
 <p>Call Controller</p>	<p><u>Call Controller</u> P/N 2001-00143 \$895.00</p> <p>Used for line selection of the Nx or TWOx12. This cost effective and compact control option provides call screening and line status for control of up to 12 lines and 2 hybrids. Connect the Call Controller to an ordinary POTS telephone of your choice (not included) for screener or studio telephone operation.</p>
 <p>Desktop Director power supply</p>	<p><u>Desktop Director Power Supply</u> P/N 2091-00001 \$275.00</p> <p>For 2001-00071 Desktop Director, 2001-00072 Desktop Director Extended, 2001-00143 Call Controller. Power supply(s) is required when using more than two Desktop Directors and/or Call Controllers. This power supply is also required when a Desktop Director cable is in excess of 250 feet (63.5m). Includes all cabling needed to connect power supply with Nx12, Nx6, TWOx12 or 2101 I/O.</p>

Nx6 Digital Talkshow System, *continued*



Nx6 to Nx12 Upgrade Kit

P/N 2011-00065	with POTS Card	\$995.00
P/N 2011-00066	with ISDN "U" (2B1Q 2-Wire) Interface Card For use in Canada and USA	\$995.00
P/N 2011-00067	with ISDN "S" (4-Wire) Interface Card For use outside North America	\$995.00

Upgrade your an Nx6 to an Nx12 for access to 12 telephone lines.

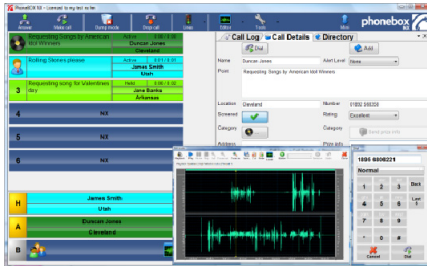


AES Option for Nx phone systems

P/N 2011-00080 AES Daughter Card	\$239.00
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Converts the mono analog XLR inputs and outputs on an Nx6 or Nx12 to AES/EBU digital audio format. With two channels of audio on each connector, the internal mix minus can be disabled to allow individual hybrid level control on a mixing console.

Nx System Call Screening Software



XScreen Lite

XScreen Lite by Broadcast Bionics **NEW**

INCLUDED with Nx




XScreen Lite call screening software from Broadcast Bionics now seamlessly integrates with, and is included free with, all Telos VX, Nx and iQ6 Talkshow Systems.

XScreen Lite's interface gives screeners and hosts more information and greater control than ever before. XScreen provides sophisticated visual talkback, including a drag and drop database of all calls for your show as well as a phonebook and visual warnings for persistent or nuisance callers.


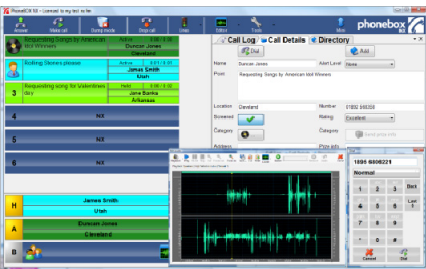
Upgrade to the full XScreen client software to add even more features, including extended call history, an enhanced phonebook, prize management and powerful GPIO functionality. XScreen, deployed as part of a Livewire network, also enables powerful call recording, editing and console integration directly over the network.

*Download the free XScreen Lite Version: www.phonebox.com/xscreen/

ONE-x-Six POTS Talkshow System

 <p>ONE x SIX</p>	<p><u>ONE-x-Six</u> P/N 2001-00022 \$2,349.00</p> <p>With integrated Telos ONE Digital Hybrid. Manages up to six POTS lines; features conferencing capability with additional Telos ONE hybrid. Requires at least one 2001-00023 Switch Console (not included, order separately) powers two Switch Consoles. Each One-X-Six Talk Show System includes Telos Assistant Producer Call Screening Software. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 1RU</p>
 <p>Switch Console</p>	<p><u>Switch Console</u> P/N 2001-00023 \$695.00</p> <p>Used for line selection, conferencing, dialing and other talk show functions including line status. ONE-x-Six supports a maximum of four Switch Consoles with additional power supplies. Includes a 25ft modular shielded cable for connection to the One-x-Six.</p>
 <p>Switch Console power supply</p>	<p><u>Switch Console Local Power Supply</u> P/N 2091-00003 220V/50Hz \$249.00 P/N 2091-00002 110V/60Hz \$249.00</p> <p>Local Power Supply—For Switch Console2001-00023. Needed when Switch Console cable is in excess of 75 feet (22.8m) or when more than two Switch Consoles are needed or when console-mounted version is used.</p>

iQ6 Six-Line Telco Gateway for Axia iQ mixing console

 <p>iQ6 Telco Gateway</p>	<p><u>iQ6 Six-Line Telco Gateway for iQ</u></p> <table border="0"> <tr> <td>P/N 2001-00248</td> <td>POTS</td> <td style="text-align: right;">\$2,295.00</td> </tr> <tr> <td>P/N 2001-00255</td> <td>ISDN U (2B1Q 2-Wire) Interface Card</td> <td style="text-align: right;">\$2,295.00</td> </tr> <tr> <td colspan="3">For use in Canada and USA</td> </tr> <tr> <td>P/N 2001-00256</td> <td>ISDN S (4-Wire) Interface Card</td> <td style="text-align: right;">\$2,295.00</td> </tr> <tr> <td colspan="3">For use outside North America</td> </tr> </table> <p>The iQ6 Telco Gateway works with the Axia iQ console system and is controlled by the Call Controller section of the iQ Telco Expansion Frame. No discrete I/O needed — iQ6 connects directly to Axia network via CAT-5 cable. Contains dual Telos hybrids with Digital Dynamic EQ and AEC Acoustic Echo Cancellation. Works with analog or digital phone lines (6 POTS or 3 ISDN BRI). Can also be controlled with Telos VSet12 phone or VX Producer call screening software. Requires one Ethernet port on iQ Core or network switch. Each iQ6 purchase includes Telos VX Producer Call Screening Software. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 1RU.</p>	P/N 2001-00248	POTS	\$2,295.00	P/N 2001-00255	ISDN U (2B1Q 2-Wire) Interface Card	\$2,295.00	For use in Canada and USA			P/N 2001-00256	ISDN S (4-Wire) Interface Card	\$2,295.00	For use outside North America		
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P/N 2001-00256	ISDN S (4-Wire) Interface Card	\$2,295.00														
For use outside North America																
 <p>XScreen Lite</p>	<p><u>XScreen Lite</u> by Broadcast Bionics NEW INCLUDED with iQ6</p> <p>XScreen Lite call screening software from Broadcast Bionics now seamlessly integrates with, and is included free with, all Telos VX, Nx and iQ6 Talkshow Systems.</p> <p>XScreen Lite's interface gives screeners and hosts more information and greater control than ever before. XScreen provides sophisticated visual talkback, including a drag and drop database of all calls for your show as well as a phonebook and visual warnings for persistent or nuisance callers.</p> <p>Upgrade to the full XScreen client software to add even more features, including extended call history, an enhanced phonebook, prize management and powerful GPIO functionality. XScreen, deployed as part of a Livewire network, also enables powerful call recording, editing and console integration directly over the network.</p> <p>*Download the free XScreen Lite Version: www.phonebox.com/xscreen/</p>															

Section 2: Streaming Audio

ProSTREAM Streaming Audio Encoder



ProStream Audio Encoder

[ProSTREAM Streaming Audio Encoder](#)

P/N 2001-00254

\$1,995.00

Telos ProStream combines audio processing with MP3 and AAC encoding in one convenient single-rack unit. The AAC encoder supports AAC-LC, HE-AAC and HE-AAC v2 formats. Can be fully managed and configured remotely with a web browser. Features a wideband AGC, 3-band compressor/limiter, EQ, low-pass filter and a precision look-ahead final limiter. Encode the processed audio directly to MP3 or AAC streams and feed a remote replication server at the ISP. Streams can be "tagged" with "now-playing" information received from automation systems. Analog and Livewire I/O are standard. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 1RU.

Section 3: Codecs

Z/IP ONE IP Codec



Z/IP ONE

[Z/IP ONE IP Codec](#)

P/N 2001-00286 with Analog and Livewire I/O

\$2,195.00

Z/IP ONE is a 1 RU rack-mount IP codec that can be easily deployed in a studio rack or remote kit. Features exclusive Telos Agile Connection Technology (ACT), which automatically senses and adapts to network conditions to provide the best possible audio quality. Supports AAC-ELD, AAC-HE, AAC-LD, MPEG Layer 2, MPEG 4 AAC LC, MPEG 2 AAC LC, G.711, G.722 and linear PCM. Supports SIP 2.0 protocol and conforms to NACIP standards; works with VoIP devices and connections from compatible PBXs. Wireless capable, connects to IP networks via Wi-Fi, EVDO, and UMTS. Comes with Telos Z/IP Server service to help traverse firewalls and NATs. Analog I/O, plus Livewire port for connection to Axia IP-Audio networks. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 1 RU.

Zephyr Xstream ISDN Codecs



Zephyr Xstream

[ZEPHYR XSTREAM – Rack-Mount Studio Version](#)

2001-00075 with ISDN, X.21/V.35 interface, and Ethernet

\$5,795.00

2001-00076 with ISDN and Ethernet

\$5,395.00

2001-00077 with Ethernet and X.21/V.35 interface

\$5,295.00

2001-00074 with Ethernet only

\$4,895.00

World's leading ISDN codec, compatible with the widest variety of third party codecs. Includes MPEG4-AAC and AAC-LD, Layer 2, Layer 3 & G.722 coding. Balanced analog inputs/outputs and Livewire I/O. ISDN TA with integral NT1 for worldwide compatibility without software changes. Full duplex stereo operation of up to 20 kHz audio on a single ISDN line; broadcast quality mono audio at 15 kHz or 20 kHz is possible on a single ISDN "B" channel or other 56/64 kbps channel. Remote Control over RS-232 or Ethernet. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 2 RU.



Zephyr Xstream MX

[ZEPHYR XSTREAM MX – Rack-Mount Mixer Version](#)

2001-00083 with ISDN, X.21/V.35 interface, and Ethernet

\$6,295.00

2001-00084 with ISDN and Ethernet

\$5,995.00

2001-00085 Ethernet and X.21/V.35 interface


\$5,895.00

2001-00082 with Ethernet only



\$5,495.00

All the features of the world-standard Zephyr Xstream described above, plus the added power of a built-in 4-channel stereo mixer with selectable digital processing by Omnia. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 2 RU.

Zephyr Xstream ISDN Codecs, *continued*

 <p>Zephyr Xstream MXP</p>	<p><u>ZEPHYR XSTREAM MXP – Portable Mixer Version</u> 2001-00079 with ISDN, X.21/V.35 interface, and Ethernet \$6,295.00 2001-00080 with ISDN and Ethernet \$5,995.00 2001-00081 with Ethernet and X.21/V.35 interface \$5,895.00 2001-00078 with Ethernet only \$5,495.00</p> <p>All the features of the world-standard Zephyr Xstream described above, plus the added power of a built-in 4-channel stereo mixer with selectable digital processing by Omnia; portable version ruggedized with shock resistant case to take what the road dishes out. Flip-up stand for ease of operation and convenient desktop viewing angle. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts.</p>
	<p><u>V.35/X.21 Network Data Interface Card for Zephyr Xstream</u> P/N 1701-00006 \$495.00</p> <p>For Zephyr Xstream. Requires 2091-00023 or 2091-00024 Data Cable (see below). Supports data rates up to 384 kbps.</p>
	<p><u>Internal ISDN Terminal Adaptor Card for Zephyr Xstream</u> P/N 1701-00153 \$595.00</p> <p>For Zephyr Xstream. Converts any Zephyr Xstream not previously equipped with ISDN interface. Includes both "S" and "U" interface.</p>
	<p><u>V.35 Data Cable</u> P/N 2091-00023 \$119.00</p> <p>V.35 dual channel for Zephyr and Zephyr Xstream. 18 inches, 45.7cm, with all connectors attached.</p>
	<p><u>X.21 Data Cable</u> P/N 2091-00024 \$119.00</p> <p>X.21 dual channel Zephyr and Zephyr Xstream. 18 inches, 45.7cm, with all connectors attached.</p>

Zephyr Xport POTS + ISDN Codec

 <p>Zephyr Xport</p>	<p><u>Zephyr Xport</u> P/N 2001-00010 POTS ONLY \$3,195.00 P/N 2001-00122 POTS + ISDN \$3,695.00</p> <p>Portable unit allows use of an ordinary analog telephone line in the field to connect with the Zephyr Xstream ISDN codec at the studio. Xport features the highest fidelity low-bitrate coding available, AAC plus (MPEG AAC + Spectral Band Replication enhancement). Features include mixer with mic and line inputs, internal power supply and selectable DSP processing by Omnia. Can be upgraded to POTS & ISDN using optional ISDN interface, supporting AAC-LD and G.722. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 75 Watts.</p> <p>The POTS+ISDN version 2001-00122 includes ISDN Interface with Internal NT-1. Includes RJ-45 "S" for use worldwide and RJ-11 "U" connectors for use in the USA and Canada.</p>
	<p><u>Internal ISDN/TA Card for Zephyr Xport</u> P/N 1701-00056 ISDN With Internal NT1 \$595.00</p> <p>Includes both "S" and "U" connectors. Optional ISDN card upgrades Xport for use with both ISDN & POTS for maximum flexibility.</p>

Zephyr Xport POTS + ISDN Codec, *continued*



[Zephyr Xport Auxiliary Interface Cable](#)

P/N 2091-00034

\$65.00

Cellular handset audio cable. ¼" TRS to 2.5mm TRS. Connects Xport to standard 2.5mm headset/mic jack.

Zephyr iPort MPEG Gateway



Zephyr iPort

[Zephyr iPort MPEG Gateway](#)

P/N 2001-00237 (*replaces 2001-00237*)

\$5,995.00

Zephyr iPort enables broadcasters to transport multiple channels of stereo audio across any network with guaranteed QoS — such as T1 and T3 connections, MPLS networks, et cetera. Codec can be configured for transport of eight stereo bi-directional MPEG streams, or as an MPEG encoder for up to 16 stereo output streams. Connects to your Axia Network using a single CAT-6 cable for all I/O; pair with an Axia Audio Node for use as a standalone multiple-stream codec. Second-generation DSP processing platform is fan-free for cool, silent in-studio deployment and is equipped with dual Gigabit Ethernet ports, dual-redundant internal power supplies with automatic switching for complete peace of mind. Auto-sensing power supplies, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 2RU. (Not for use with non-QoS, public-Internet connections.)



Engine Power Supply

DSP Engine Spare Power Supply

P/N 1771-00064

\$195.00

Field-replaceable internal power-supply for second-generation Telos Zephyr iPort, Omnia.8X Audio Processor, Axia StudioEngine and Axia Pathfinder Core PRO products. Auto-sensing, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts.

Fits part numbers 2001-00296, 2001-00304, 2001-00305, 2001-00306.

Section 4: Telephone Hybrids

Hx Digital Hybrid Telephone Interfaces



Hx1 Hybrid

[Hx1 Hybrid](#)

P/N 2001-00242 Analog I/O



\$795.00

P/N 2001-00287AES I/O


\$995.00

The Hx1 contains an advanced 3rd-generation Telos hybrid for superior audio quality. Universal POTS interface features disconnect-signal detection, which works with Telco providers worldwide. Includes Auto-Answer with selectable ring count, switchable mic/line input, call screening and line-hold features, front-panel send and receive audio metering; audio sweetening tools include Digital Dynamic EQ (DDEQ) and adjustable smart leveler, symmetrical wide-range AGC and noise gating by Omnia, studio adaption and pitch shifter for use in open-speaker applications, and adjustable caller override. Analog I/O standard; AES/EBU I/O with automatic sample rate conversion optional. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 1 RU, shipping weight: 11 lbs.

Hx Digital Hybrid Telephone Interfaces, *continued*

 <p>Hx2 Hybrid</p>	<p><u>Hx2 Dual Hybrid</u> P/N 2001-00243 Analog I/O \$1,395.00 P/N 2001-00288 AES I/O \$1,595.00</p> <p>The Hx2 contains two, advanced 3rd-generation Telos hybrid. Universal POTS interface features disconnect-signal detection, which works with Telco providers worldwide. Includes Auto-Answer with selectable ring count, switchable mic/line input, call screening and line-hold features, front-panel send and receive audio metering. Audio sweetening tools include Digital Dynamic EQ (DDEQ) and adjustable smart leveler, symmetrical wide-range AGC and noise gating by Omnia, studio adaption and pitch shifter for use in open-speaker applications, and adjustable caller override. Analog I/O standard; AES/EBU I/O with automatic sample rate conversion optional. Auto-ranging power supply, 90VAC to 240VAC, 50Hz/60Hz. 100 Watts. Rackmount, 1 RU, shipping weight: 11 lbs.</p>
	<p>AES Option for Nx phone systems P/N 2011-00068 AES Daughter Card \$239.00</p> <p>Converts the mono analog XLR inputs and outputs on an Hx1 or Hx2 to AES/EBU digital audio format.</p>

Section 5: Program Skimming, Archiving, & Logging

<h3>Telos Profiler Software</h3>	
 <p>Telos ProFiler</p>	<p><u>Telos Profiler Automated Program Archiving</u> P/N 2201-00017 \$695.00</p> <p>Enables radio stations to make MP3 audio logs of daily programs. Includes a Telos balanced input PCI audio card bundled with CD-ROM software to record, manage and play back archived audio files. Recording software runs on XP or greater; playback software runs under Windows XP or greater. Record mode can be set for logging, skimming, or combination of both. Logged audio may be auditioned remotely via LAN, WAN, or Internet. Includes professional Telos PCI audio card with balanced inputs/outputs and contact closure inputs to activate skimming function. ProFiler Server runs in Windows XP or Windows Server 2008. ProFiler Client runs on XP, Vista, and Windows 7.</p>
	<p><u>Cable DB9 to 4 XLR – Profiler Interface</u> P/N 2091-00060 \$110.00</p> <p>Ready-made cable adapts the ProFiler sound card's DB9 audio connector into 4 XLR connectors, 2 male and 2 female.</p>