

THE TELOS ALLIANCE®
TV SOLUTIONS GROUP



The AoIP Solution that Changes Everything

Telos



INFINITY™

INTRODUCING TELOS INFINITY IP INTERCOM

From the company that invented AoIP



Telos Infinity is a new AoIP solution that delivers a quantum leap in scalability, ease of integration, efficiency and total cost of ownership. First in the new series of Telos Infinity solutions is the revolutionary Telos Infinity IP Intercom – a comprehensive next generation communications solution featuring:

- » Seamless interoperability through standards-based Livewire+ AES67
- » Infinite scalability for all internal and external communications
- » Plug-and-play device integration
- » Intuitive UI for simplified operation
- » Matrix-Free distributed network architecture
- » Lower TCO than traditional intercom systems
- » Optimization for broadcast communications

Production Control Room



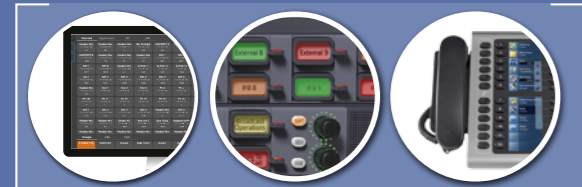
INF-DASH-ADV · INF-MP-16 · INF-MXP-20 · Telos VSet

Sound Control Room



INF-DASH-ADV · INF-DS-16 · Telos VSet

Master Control Room



INF-DASH-ADV · INF-MP-16 · INF-MXP-20 · Telos VSet

Rack Room



INF-DASH-ADV · INF-MP-16 · INF-MXP-20 · Telos ZIP/ONE · Telos VX Engine



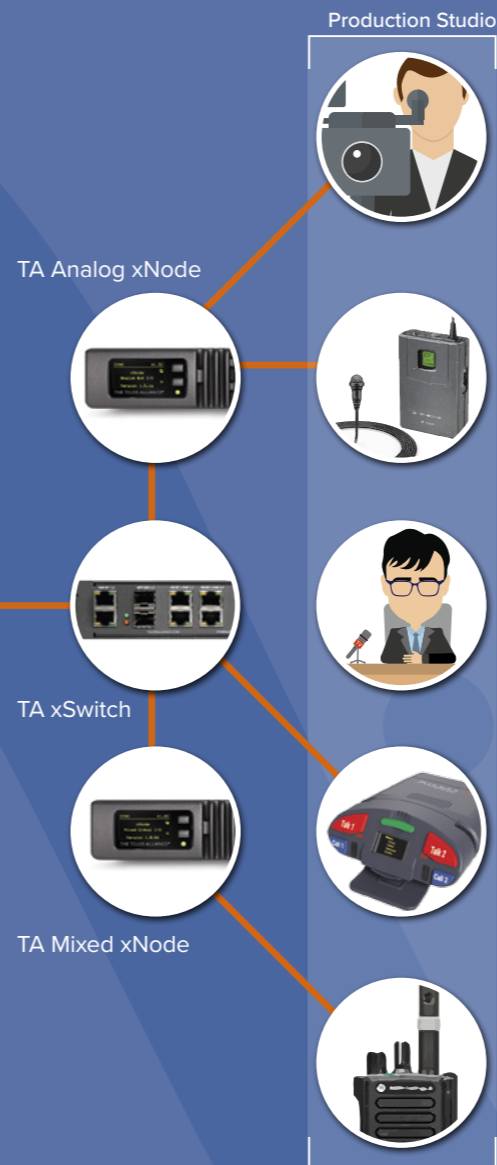
Field Reporters | SIP Phone Application



Remote Bureau via SIP | Mobile Phone app · Pad app



Infinity MP-16 & Infinity MXP-20



INF-BP-2



Infinity DS-16

Rethink Intercom

Telos Infinity IP Intercom is a complete reimagining of broadcast communications technology developed by the Telos Alliance engineering team that invented AoIP for broadcast in 2003. More than just a talkback system, Telos Infinity IP Intercom converges voice communication and contribution audio on a single IT backbone employing the latest standards-based VoIP and AoIP transport to provide dedicated features and functionality without compromise or limitations.

Break the Matrix

Telos Infinity IP Intercom replaces outmoded matrix technology with an advanced, distributed IP network solution that provides superior functionality in a simplified, more elegant form. Being matrix-free allows plug-and-play networked hardware and software devices to be added to the system as part of a planned or ad-hoc change, without ever worrying that you might exceed the number of available ports on a matrix.

As Part of an Integrated System ...

Telos Infinity IP Intercom unleashes the full potential of a distributed IP audio infrastructure, allowing access to any networked audio endpoint through the intuitive Telos Infinity Dashboard application. Mix-minuses, program busses, mixer auxes, monitor feeds, remote contribution audio, and presenter mics are all available anywhere you need them – for communication or on-air use. And since Telos Infinity IP Intercom natively supports Livewire+ AES67, it can be used with our own AoIP products or those from other supporting manufacturers.

... Or as Part of a Legacy Installation

Realizing the benefits of Telos Infinity IP Intercom doesn't mean abandoning existing audio infrastructure. Instead, Telos Infinity seamlessly integrates into analog, AES, SDI, and MADi systems using Telos Alliance xNode baseband-to-IP interfaces and other AES67 partner devices. A transition to AoIP reduces the amount of cabling and its associated costs, system design time and installation expense – all while establishing a pathway to a complete AoIP solution in the future.

Infinity Dashboard Advanced

| Devices | Sources | Destinations | GPI | GPO | | | | | |
|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---|--------------------------------------|--------------------------------------|--------------------------------------|--|--|
| Headset Mic 172.16.231.114 575 | Headset Mic 172.16.231.107 383 | Headset Mic 172.16.231.121 322 | Not Example 172.16.1.128 13401 | UMPHREY 2 172.16.1.128 13402 | UMPHREY 3 172.16.1.128 13403 | UMPHREY 4 172.16.1.128 13404 | UMPHREY 5 172.16.1.128 13405 | | |
| UMPHREY 8 172.16.1.128 13408 | Headset Mic 172.16.231.145 766 | Headset Mic 172.16.231.119 302 | Headset Mic 172.16.231.137 331 | SRC 1 172.16.235.107 10071 | SRC 2 172.16.235.107 10072 | SRC 3 172.16.235.107 10073 | SRC 4 172.16.235.107 10074 | | |
| SRC 7 172.16.235.107 10077 | SRC 8 172.16.235.107 10078 | Headset Mic 172.16.231.185 541 | ALPHA 1 172.16.1.22 13501 | ALPHA 2 172.16.1.22 13502 | ALPHA 3 172.16.1.22 13503 | ALPHA 4 172.16.1.22 13504 | Headset Mic 172.16.231.181 672 | | |
| Mic1 172.16.235.106 10061 | SRC 2 172.16.235.106 10062 | SRC 3 172.16.235.106 10063 | SRC 4 172.16.235.106 10064 | SRC 5 172.16.235.106 10065 | SRC 6 172.16.235.106 10066 | SRC 7 172.16.235.106 10067 | SRC 8 172.16.235.106 10068 | | |
| Headset Mic 172.16.231.175 544 | Test 1 172.16.1.102 1 | Test 2 172.16.1.102 2 | Test 3 172.16.1.102 3 | PC 4 172.16.1.102 4 | PC 5 172.16.1.102 5 | PC 6 172.16.1.102 6 | PC 7 172.16.1.102 7 | | |
| PC 10t 172.16.1.102 10 | PC 11 172.16.1.102 11 | PC 12 172.16.1.102 12 | PC 13 172.16.1.102 13 | PC 14 172.16.1.102 14 | PC 15 172.16.1.102 15 | PC 16 172.16.1.102 16 | Headset Mic 172.16.231.116 529 | | |
| SRC 1 172.16.237.193 1805 | SRC 2 172.16.237.193 1806 | Headset Mic 172.16.231.189 614 | SRC 4 172.16.235.128 10124 | SRC 5 172.16.235.128 10125 | SRC 6 172.16.235.128 10126 | SRC 7 172.16.235.128 10127 | SRC 8 172.16.235.128 10128 | | |
| Headset Mic 172.16.231.175 544 | Headset Mic 172.16.231.175 544 | Headset Mic 172.16.231.175 544 | Axia 125us 172.16.248.225 18435 | loopback to PC 172.16.248.225 10000 | Headset Mic 172.16.231.175 544 | Headset Mic 172.16.231.175 544 | Headset Mic 172.16.231.175 544 | | |



Infinity BP-2



Infinity BP-2

Beltpacks

The Telos Infinity BP-2 is a next-generation wired Dual Channel Partyline Beltpack that is powered by PoE (Power over Ethernet) and is natively AES67 compliant. Whether via Partyline, Group, IFB, Peer-to-Peer, or connection to any other IP audio networked element within the wider Telos Infinity IP Intercom, devices communicate across the network seamlessly while maintaining incredibly low latency.

Multiple INF-BP-2's can be daisy chained together, powered from the same physical PoE port, providing a functionally superior alternative to traditional 2-wire or digital audio-based partyline systems.

- » Dual channel duplex communication plus auxiliary program source
- » 24bit 48kHz IP audio
- » Natively Livewire+ AES67 compliant
- » Rugged, lightweight design with interchangeable belt clip/mounting accessory
- » Network connection via standard 100mbit Ethernet
- » PoE or PoE+ with managed daisy chain connectivity
- » Headset connector supporting industry standard XLR-4M or XLR-5M (option)
- » Mono, Dual Mono & Stereo modes headset listen modes
- » Internal mic/speaker for handsfree walkie-talkie, desktop or wallmount use
- » Configurable dynamics processing for improved speech intelligibility
- » Full configuration via Telos Infinity Dashboard
- » Device management via built-in Web UI

Intercom Panels

By combining familiar hardware Intercom facilities with the flexibility and workflow advantages of matrix-free IP communications, the INF-MP-16 sets a new benchmark in broadcast talkback technology. The INF-MP-16 1RU Intercom Master Panel features 16 multicolor talk/listen lever display keys that can show up to four lines of text plus bitmap images and icons. Complemented by optimised voice channels and loudspeaker reproduction, the INF-MP-16 features the excellent speech intelligibility required for mission critical broadcast operations.

Auxiliary, rear panel stereo analog I/O including a studio quality mic pre-amplifier, means that the INF-MP-16 can be used as a contribution or monitoring endpoint. The addition of GPIO as standard enables remote control of signalisation or complex logic interfacing across the network infrastructure.

- » 16 multi-color display lever keys with additional shift levels at the touch of a button
- » Multi-channel duplex voice and contribution audio endpoint
- » 24bit 48kHz IP audio
- » Natively Livewire+ AES67 compliant
- » Network connection via standard Gigabit Ethernet
- » PoE+ or external DC power (or both for redundancy)
- » Aux rear panel I/O including studio grade mic input for on-air contribution
- » GPIO via rear panel D-Sub as standard
- » Headset connector supporting industry standard XLR-4M or XLR-5M (option)
- » Mono, Dual Mono & Stereo modes headset listen modes
- » Configurable dynamics processing for improved speech intelligibility
- » Full configuration via Telos Infinity Dashboard
- » Device management via built-in Web UI

For even more control, the Telos Infinity INF-MXP-20 Master Expansion Panel provides 20 additional display keys.

Desktop Station

For use in locations where a rackmount panel isn't practical, the Telos Infinity INF-DS-16 16 Key Intercom Master Desktop Station delivers the same functionality and features as the INF-MP-16 in a compact and attractive format.

Dashboard Software

Telos Infinity Dashboard is unlike other Intercom system management tools. By displaying the entire Intercom system as a single page view without the clutter of multiple tabs and embedded menus, the operator is able to navigate quickly, and within minutes take control to create or manage a working IP Intercom. Dashboard allows operators to create unlimited Groups, Partylines and IFBs, drag-and-drop functions directly onto Panel and Beltpack keys in real-time, and manage AoIP sources and destinations as though they are physical ports on a virtualized Intercom matrix.

All Telos Infinity systems are supplied with a Dashboard Basic license, a single user application suitable for smaller installations with direct online control. Infinity Dashboard Advanced unleashes the full power of Infinity and is designed for systems of any size and complexity. Dashboard Advanced enables multi-user licenses, live and offline configuration changes, Master Control operations (additional license required), advanced device and AoIP stream management and many other features you would expect from a cutting-edge broadcast communications system.

- » Optimised User Experience
- » Infinity Dashboard Basic application for smaller systems (single license, online control only)
- » Infinity Dashboard Advanced total system control and management (multi-user server application)
- » Online and offline configuration (Dashboard Advanced)
- » Create unlimited Groups, Partylines and IFBs
- » Drag and drop system configuration
- » Manages all Telos Infinity and Telos Alliance AoIP devices
- » Livewire+ AES67 source and destination management (virtual matrix ports)
- » GPIO / Logic configuration and management
- » System backup, save and recall

Additional Dashboard Licenses:

- » Software Virtual Panel
- » Site to Site Remote Trunk Manager
- » Master Control Operation
- » Advanced Logic Manager
- » Telephone System Manager
- » Network Management and Diagnostics

Infinite Possibilities

Telos Infinity IP Intercom marks the next generation of Audio over IP solutions destined to revolutionize broadcast communication through the creation of disruptive and innovative technologies - and it's just the start. More functionality, features and new products are just around the corner. Talk to your local Telos Infinity representative or contact Telos Alliance directly to learn more, and subscribe to Direct Current for updates about all Telos Alliance products and news.