RTS Intercom Systems

PRODUCT CATALOG

DIGITAL MATRIX & SOFTWARE

WIRELESS INTERCOM SYSTEMS

PARTYLINE SYSTEMS

INTERCOM HEADSETS

#theRTSdifference

RTS is the industry leader in professional intercom systems, providing solutions that combine forward-thinking functionality, real-world reliability and superior sound quality.

RTS helps professionals communicate clearly with ease and efficiency, so they can focus on content instead of hardware. Whether for applications large or small, we demonstrate our commitment to our users by Innovating the Future of Global Communications.

Our customer focus and industry expertise is reinforced on a global scale as part of the Bosch Group, which counted 410,000 associates and 440 manufacturing sites, ensuring continuity, innovation and the highest quality standards.

DIGITAL MATRIX & SOFTWARE

Intercom matrices, interface cards, keypanels, software & peripherals

page 10

WIRELESS

DECT, UHF, and VHF

page 30

PARTYLINE

Beltpack solutions using OMNEO IP and two-wire

page 38

HEADSETS

Headsets, headphones, earsets & accessories

page 50

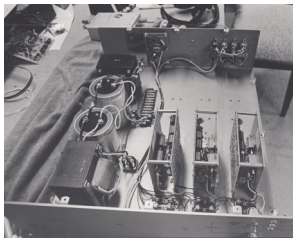
THE EVOLUTION OF INNOVATION

At the forefront of broadcast intercom technology for over forty years, we are the brand most-trusted by the biggest names in the business. Our family of digital matrices is the most complete and widely used line of intercoms in the world, proven in the most critical and demanding applications.

1970s

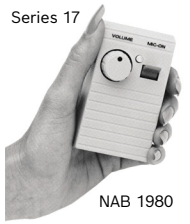
The garage where it all started in 1975

rts SYSTEMS



1980s

Stan Hubler (L) and **Douglas Leighton** (R)
RTS founders

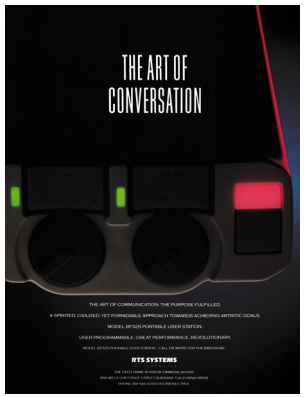


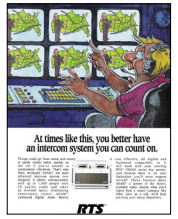
NAB 1980

RTS Systems INC. RTS SYSTEMS INCORPORATED

Model 802 Master Station

1990s



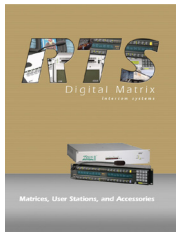


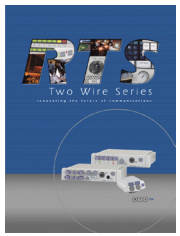
Advanced Digital Audio Matrix (ADAM)

RTS SYSTEMS
THE FIRST NAME IN INTERCOMMUNICATIONS

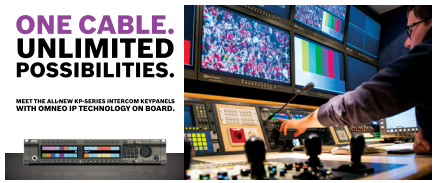
Acquired by Bosch in 2006

2000s





2010s



KP-Series

VLink

2020s

OMS DBP

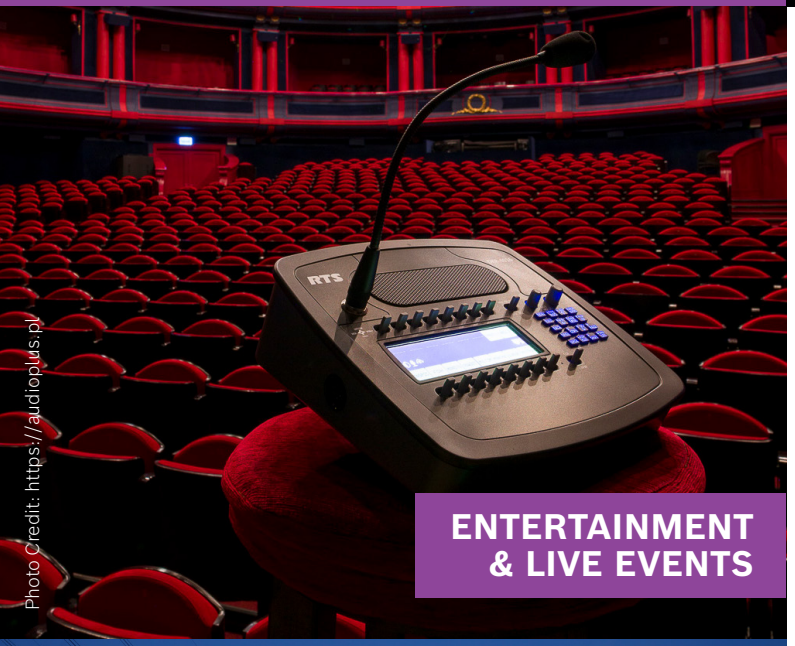


Photo Credit: https://audioplus.pl

ENTERTAINMENT & LIVE EVENTS

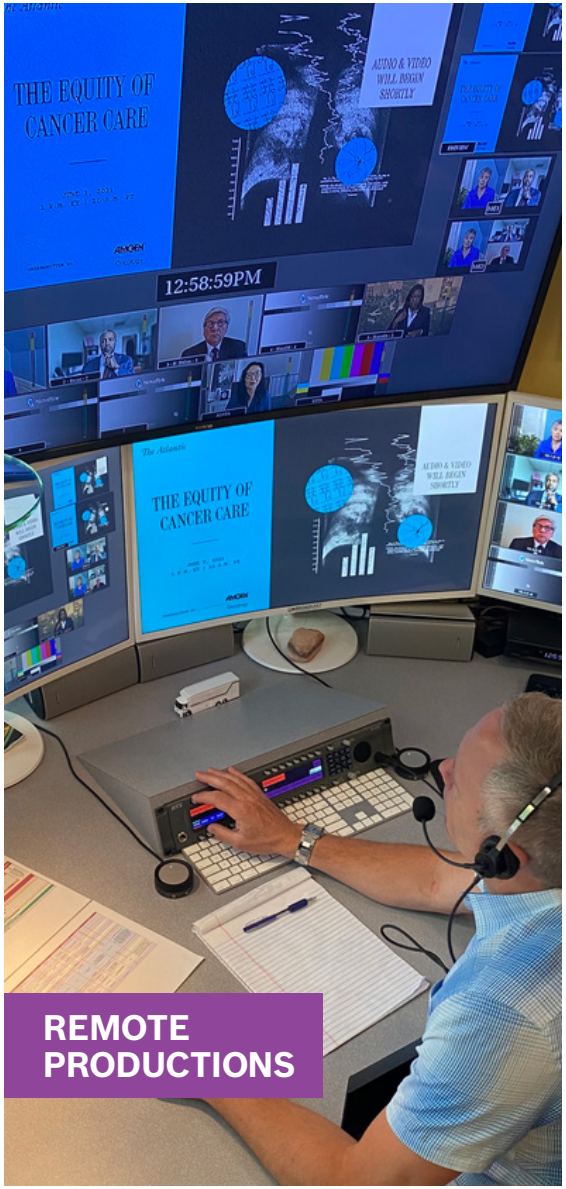
CRITICAL

APPLICATION BREADTH

RTS intercom systems are scalable for a wide range of applications. From broadcasting to in-house production communications for houses of worship and live entertainment. RTS also has field-proven failsafe communications solutions for mission critical communications like emergency response centers, aerospace control, and power plants.

RTS helps professionals communicate clearly with ease and efficiency, so they can focus on content instead of hardware. Whether for applications large or small, we demonstrate our commitment to our users by innovating the future of global communications.

“People kept commenting on how crystal clear the comm system was and how well it worked.”
- Jim Barton, ME Pro Video



BROADCAST
NETWORKS

RTS is the most-trusted name in intercom for the world's largest TV networks, an essential element of successfully broadcasting the biggest events on the planet, including the Olympics, FIFA World Cup and many other international sports tournaments.

Redundancy and reliability are perhaps the most important factors when it comes to broadcast intercom. Failsafe communications that connect team members in different locations, and often in different countries, systems that remain stable and online in the most challenging environments and working conditions. Glitch-free is now available for the most reliable local communications.

As the only brand to offer intelligent trunking and the robust RVON codec, RTS is the go-to for ensuring that behind the scenes people are communicating clearly so the job gets done, from OB vans and remote productions, to local stations and major networks.

"With the complication that COVID safety brings to Olympics planning and deployment, RTS comes through with products like VLink, RVON and Trunking, giving us the freedom and comfort to work outside of that box."

- John Pastore, NBC Sports"

“With its OMNEO ability, I can use ODIN on any Dante network without having to add cards or build adapters. RTS has always been reliable.”

- John Steigerwald,
Broadcast Management Group

LET’S TALK IP

What makes OMNEO featuring SMPTE ST 2110 a better IP solution?

Today, our latest generation of advanced digital audio matrix and keypanel products is based upon the uniquely powerful and flexible OMNEO IP technology for media transmission and system control. The OMNEO media networking architecture has support for Dante+OCA, ST 2110, AES67, AES70, as well as the broadly available Dante™ from Audinate. This easy to use approach provides users with the interoperability to interface with other devices throughout their network.

A top priority for us is the backwards compatibility of our new products, so they can integrate seamlessly with legacy systems to extend the value of the initial investment. RTS offers the widest variety of matrix interfaces in the market: RVON (VoIP), MADI and OMNEO (Dante+OCA, ST 2110, AES67, AES70), connecting via Ethernet, fiber, and copper analog.

CHANNEL-BY-CHANNEL SELECTABILITY

Users can choose if a channel speaks 2110, OMNEO, Dante, etc. This provides the greatest degree of flexibility in configuring protocols across the system.

BACKWARDS COMPATIBILITY

Users can add 2110 capability with a simple upgrade to existing equipment. Backwards compatibility helps extend the life of the user’s investment and is a core value of RTS.

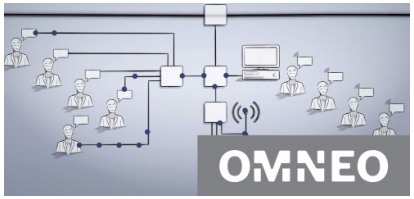
SIMPLIFIED NATIVE IMPLEMENTATION

Dante Domain Manager no longer required. Some limitations apply. Contact RTS for more information.

LONG DISTANCE

PUBLIC NETWORK COMMUNICATION

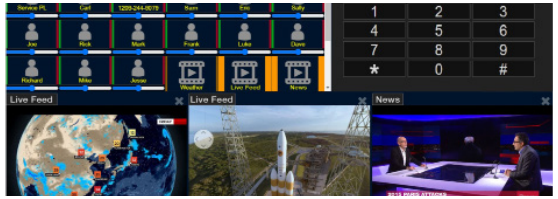
RVON (RTS Voice Over Network) is a way of getting audio across long distances over VPN, without the need for dedicated infrastructure.



LOCAL NETWORK

COMMUNICATION

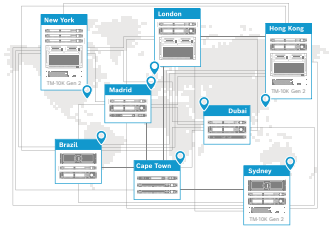
OMNEO is an evolutionary solution for connecting devices over IP to exchange information including control and audio content for use in applications such as pro audio, public address, intercom, and conferencing.



CLOUD-BASED

COMMUNICATION

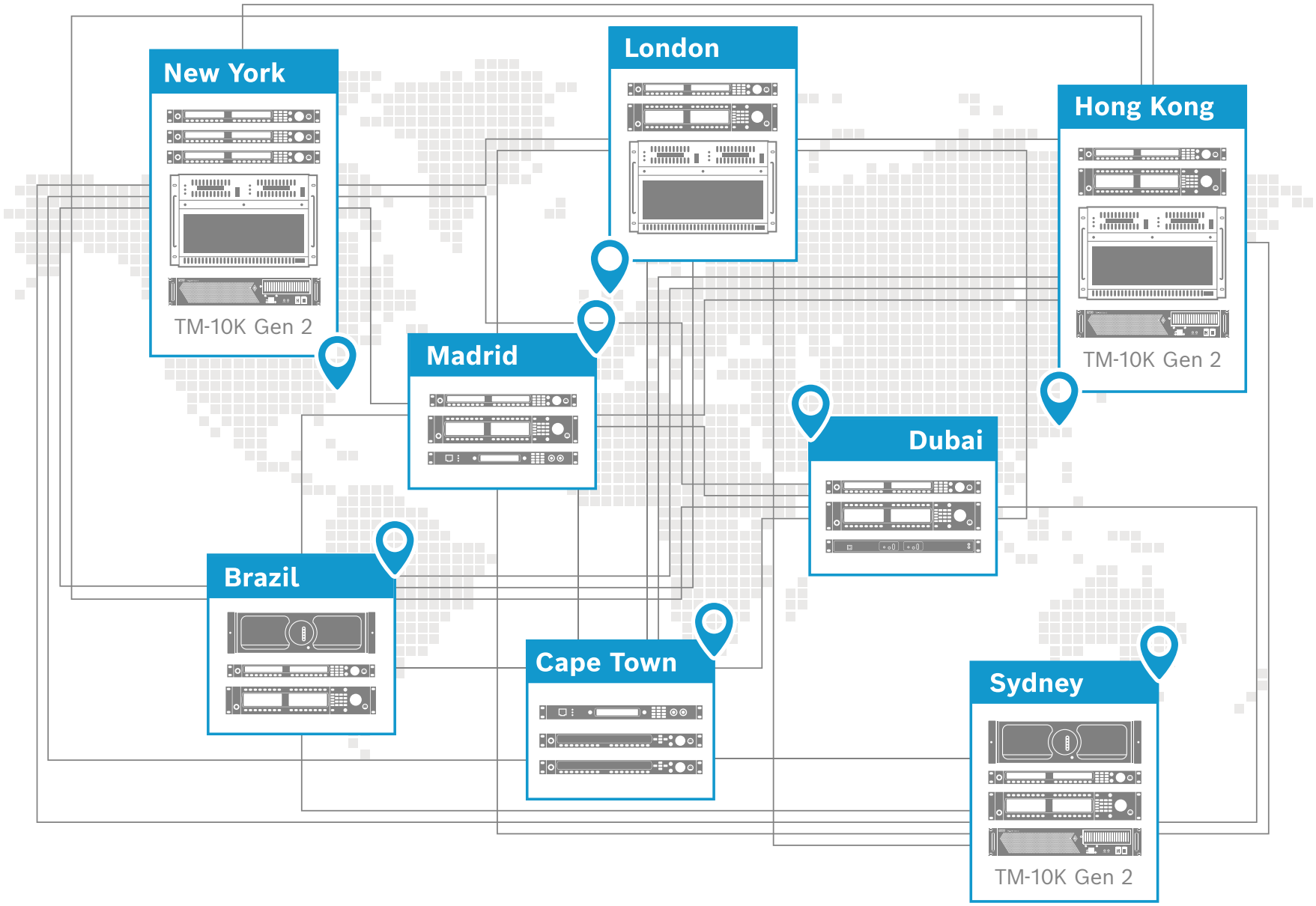
Your private matrix communications cloud and interoperability solution is ideal for interfacing communications systems from disparate locations.

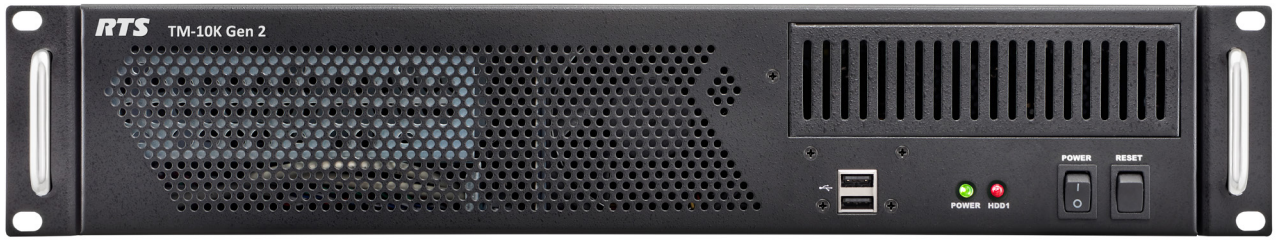


GLOBAL

DECENTRALIZED COMMUNICATIONS (TRUNKING)

Trunking is the use of interconnections between two or more intercom matrices, to enable a user on one intercom to talk to a user on another, as if they were on the same system. RTS Intelligent Trunking can grow up to 225,000 ports and is supported by all RTS matrices.


New York
TM-10K Gen 2
London
Hong Kong
TM-10K Gen 2
Madrid
Dubai
Brazil
Cape Town
Sydney
TM-10K Gen 2



TM-10K GEN2

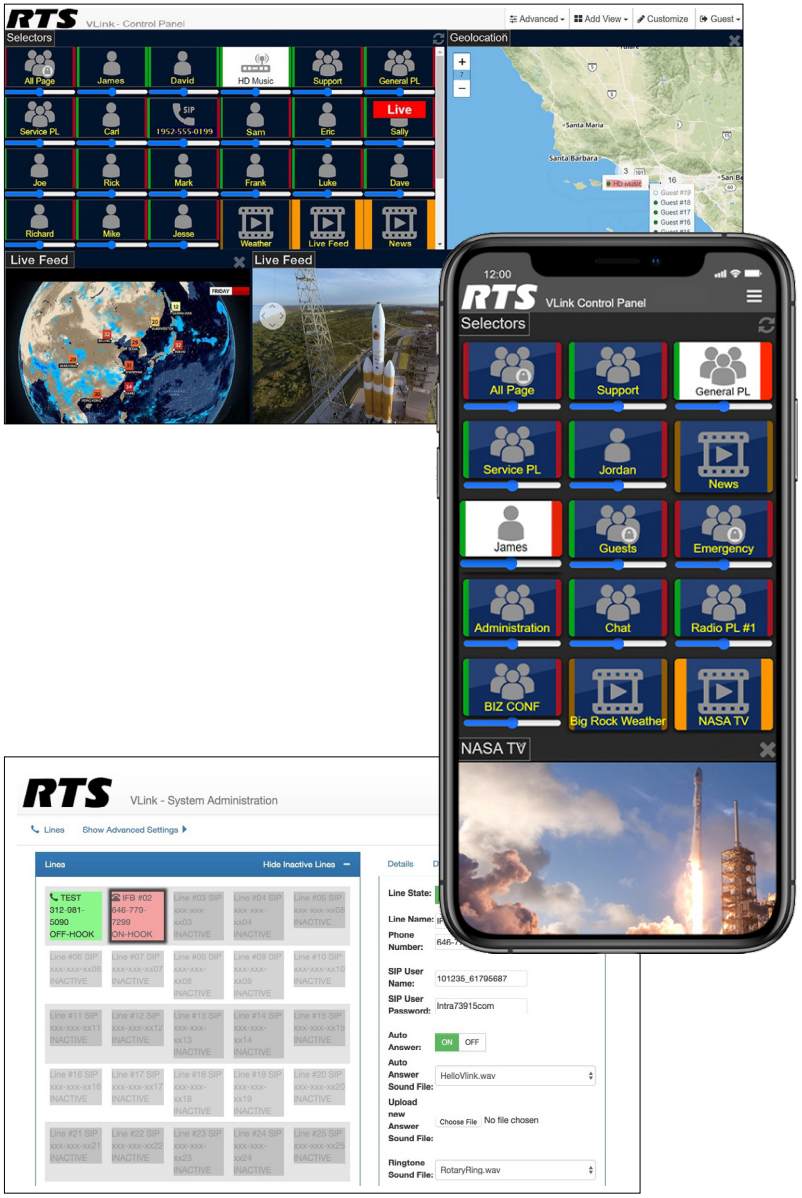
TRUNKMASTER

- Supports configurations from 2 to 255 intercom systems with 10,000 assignable trunk lines.
- Includes dual AC power supplies for full redundancy in mission critical applications.
- Supports dual 100/1000 Mbps Ethernet connections for redundant or segregated network topologies.
- Supports geographically separated Trunkmasters for disaster recovery planning.

TM-10K GAIN SW

TM-10K GAIN CONTROL MANAGEMENT

- Users are able to adjust listen volumes for remote Point to Point and Party Line assignments as if they were local assignments.
- Available as software license package with test license available.
- RTS intercoms allow the user to adjust listen levels for local point-to-point and party line assignments, e.g. to adjust the individual component volumes when listening to a mix of sources. Trunking Gain Control Management extends this, allowing the user to adjust the listen volumes for remote assignments.



VLINK VIRTUAL INTERCOM

VLink™ is an IP-software multi-channel / multi-access communications solution that intelligently connects to RTS intercoms, creating the optimal fusion of hardware and software capabilities. VLink is highly scalable to thousands of soft keypanel users, supports virtually an unlimited number of point-to-points and PLs, SNMP traps, AES encryption, and recording.

VLink consists of the following core components:

- **Link Virtual Matrix / Server:** multi-threaded, server-side summing/mixing engine with integrated SIP support
- **VLink User Interface:** client-side GUI for non-blocking, multi-channel, multi-access critical communications
- **VLink Device Interface:** software interface to easily bridge disparate communication systems including hardware intercoms, two-way radios, and public/private telephone networks
- **System Administration Application:** administrative user control for dynamic configuration and monitoring of VLink from any workstation on the network

Additional VLink Options:

- **VLink Redundancy:** Add redundant ports to your VLink intercom or SIP interface
- **VLink-Lite:** Simplistic “wireless intercom” system limited to 8 PL’s and 64 users
- **VLink-Recording:** Audio Recording: Enables audio recording on a per-client basis
- **VLink-Encryption:** Adds AES 256-bit encryption to system

MOBILE IP INTERCOM

FOR iOS & ANDROID

VLink turns the familiar Apple iOS, or Android device into the ultimate wireless intercom system. While traditional systems use the increasingly congested RF (Radio Frequency) and distance limited wireless spectrum, VLink Virtual Matrix allows communications over standard WiFi, 4G, 5G with no distance limitations between devices and no complicated RF antenna set-up.

VLink allows for a virtually unlimited number of users and channels, and with flexible button programmability can meet the most demanding wireless communications requirements.

VLINK LITE

Professional intercom in the palm of your hand. VLink Lite is a cost-effective wireless intercom solution that runs on virtually any iOS or Android device. The solution supports point-to-point and partyline. Connect up to 64 users and 8 partylines to a single server. VLink Lite works over WiFi, cellular, or satellite.

Features include:

- Improve your communications experience with high-quality 48 kHz WebRTC audio. 6x better audio quality than a standard phone call.
- Available anywhere – no need to buy new equipment. Use VLink Lite on your existing smartphones and computers.
- Accessible anywhere – VLink Lite isn't tied to a single location like traditional communications. Access your system over WiFi or cellular.
- Monitor video feeds and communications all from one interface.

Feature comparison	VLink	VLink Lite
Intelligent trunking to ODIN / ADAM	Yes	No
WebRTC control panel	Yes	Yes
Maximum number of Partylines	200	8
Maximum number of ports	2000	64

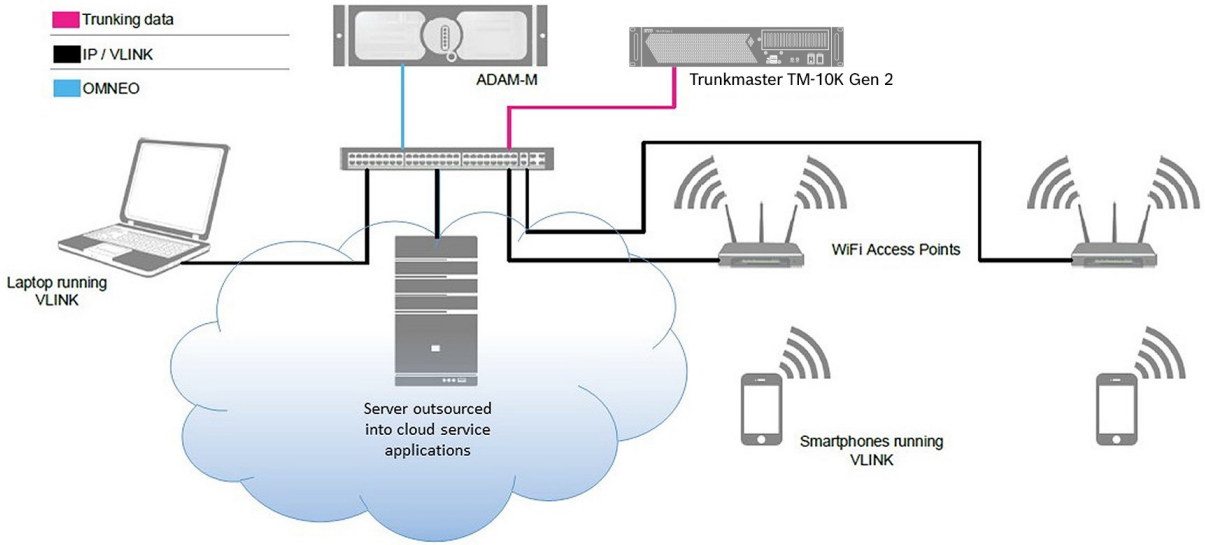
WebRTC
The WebRTC Control Panel supports high fidelity 48Khz audio and adds exciting new functionality including the ability to monitor video streams. All accessible using your browser or one of our dedicated WebRTC apps with V6 and newer.

Monitor Video
Video Streaming & Output: enables live video capture and streaming from WebRTC clients as well as output to third party video routers (video must be enabled for all system ports).

Connect to RTS Hardware
VLink enables seamless integration between virtual intercoms, phone systems, and RTS Matrix hardware. The solution is ideal for use in broadcast studios and mobile units to provide IFB, camera operators, and partylines. Configuration, monitoring, and establishing calls is handled through an intuitive web interface complete with VU meters.

Available Anywhere
VLink works over Wifi, cellular, or satellite, and with flexible button programmability can meet the most demanding wireless communications requirements.

VLink Communications system



VLINK CLOUD

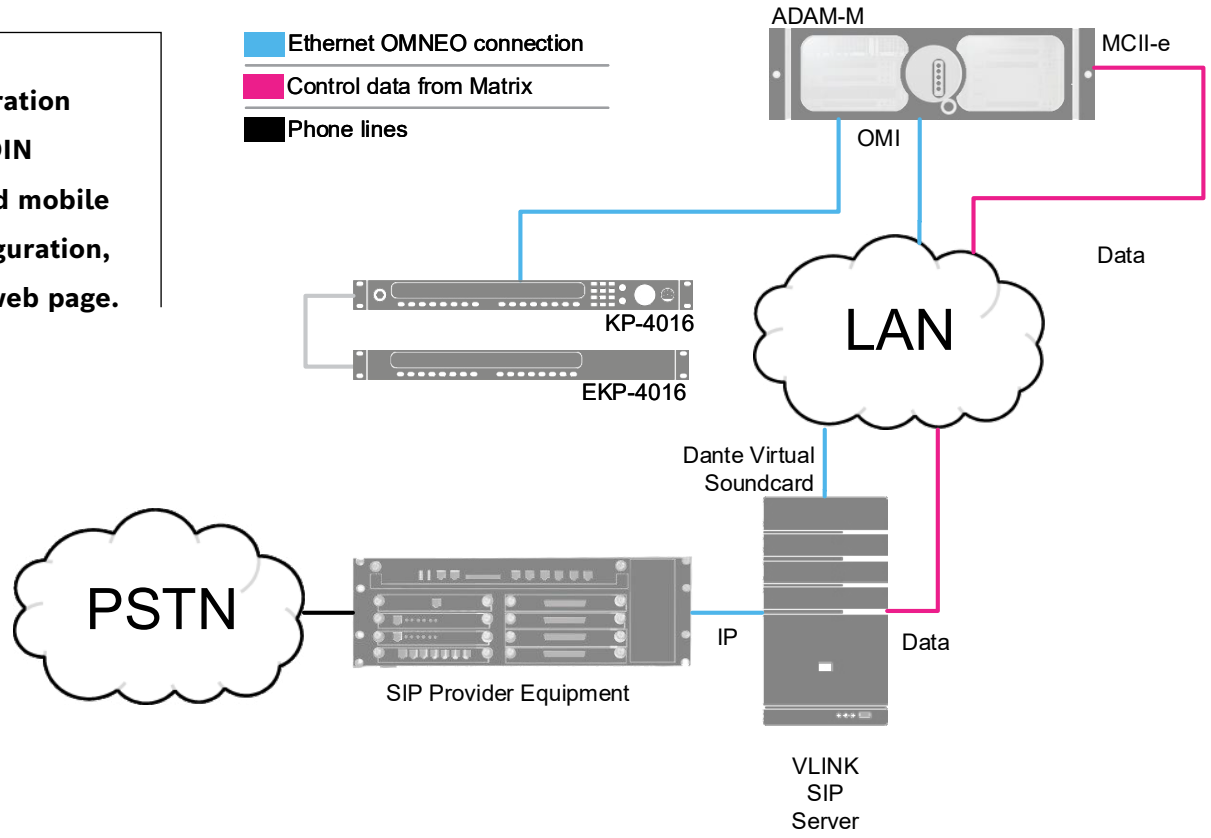
UNLEASH THE POWER OF THE INTERNET

Your private matrix communications cloud and interoperability solution is ideal for interfacing communications systems from disparate locations. The possibilities are limitless.

VLink truly ignites the imagination with all the potential of new age communications, coexisting with traditional matrix intercom frames, supplementing traditional hardware intercom panels, and operating locally or thru Internet-based cloud services.

VLINK TIF

The VLink Telephone Interface solution enables seamless integration between phone systems with SIP support and RTS ADAM or ODIN intercoms. The solution is ideal for use in broadcast studios and mobile units to provide IFB, camera operators, and conferences. Configuration, monitoring, and establishing calls is handled through a single web page.



Features include:

- Intuitive GUI that displays all phone lines color coded by status: on-hook (gray), connecting (green flash), off-hook (green), disconnecting (red flash)
- Individual phone line configuration menus
- On-screen dialer
- Audio input and output gain level adjustments in ± 6 dB intervals
- VLink SIP supports analog, MADI, and Dante connections to interconnect audio between phone systems with SIP support and KP-Series keypanels.

Demo VLink at: rtsintercoms.com/vlink

INTERCOM MATRICES

The RTS family of digital intercom matrices is the most extensive, widely used line of intercoms in the world. From the top-of-the-line ADAM matrix, available in sizes from 16 to 1024 users. RTS matrices are the standard for reliable, mission-critical communications in aerospace, broadcast, entertainment applications, industrial, and sports.

“Previously, the team used a two-channel party line intercom, which is all they thought they needed. But once they learned how powerful a digital matrix can be – how it could do things that they knew were possible, but hadn’t considered for their operation – they were sold.”

- Kevin Henneman, KMH Integration for the Pittsburgh Steelers

ADAM 2

FULL-SIZE MODULAR MATRIX INTERCOM

The high-end ADAM 2 Matrix supports 8 to 880 users per system; 512 ports possible in one frame. Utilizing a patented TDM (Time Division Multiplex) technique, the ADAM 2 grows linearly as users are added. The system comes standard with redundant universal power supplies (100-240 VAC), and supports redundant controllers, allowing for automatic change-over in the event of failure.

ADAM-M

MID-SIZE MODULAR MATRIX INTERCOM

The 3RU matrix frame supports eight interface cards, in addition to redundant master controller cards. In keeping with the RTS principle of backward compatibility, forward thinking, the ADAM-M is fully compatible with all current ADAM cards, including the MADI-2 and OMNEO 16-64 interface. Users now have the option of configuring a very compact frame with RVON, MADI, OMNEO and analog with full redundancy.

ODIN

OMNEO IP DIGITAL INTERCOM

The ODIN Digital Intercom is a highly scalable intercom system in a 1RU (Rack Unit) package. As your capacity needs to evolve, a single ODIN can grow from 16 ports to a maximum of 128 ports. A maximum of eight ODIN units can be interconnected via an optical Inter-Frame Link creating a single matrix with up to 1024 ports including flexible redundnacy options (up to 8+8). Additional failsafe features include Backup+Restore and Frame Swap.

VLink Virtual Intercom Matrix.

VLink Virtual Intercom matrix is a multi-threaded, server-side summing/mixing engine with integrated SIP support.

Learn more on Page 12.

SCALABLE INTERFACE CARDS FOR ADAM SERIES MATRICES

MCII-E

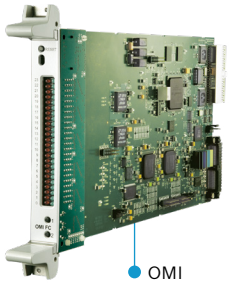
ETHERNET MASTER CONTROLLER CARD KIT FOR ADAM

The RTS MCII-e system controller card is the latest generation controller for the ADAM intercom system. The Ethernet connectivity enables multiple AZedit sessions and remote peripherals such as the GPIO-16.

OMI

OMNEO MATRIX INTERFACE CARD

This card fits into the standard slots of the RTS ADAM or ADAM-M frames and provides a gateway to the world of OMNEO IP-compatible networking. The card consists of the traditional ADAM front and back card components and enhances ADAM systems.



RVON+

16- OR 32-PORT VOIP CARD FOR ADAM SERIES

The RVON+ provides VoIP communications for the RTS ADAM Intercom product family. The RVON+ is an integrated solution for connecting keypanels to the intercom matrix or matrix to matrix tie lines over standard IP networks by supporting 16 and 32 channels of bi-directional audio, as well as keypanel data.

AIO-16A

16CH INPUT/OUTPUT CARD

The AIO-16A replaces the AIO-16 card with improved performance characteristics. It co-exists with legacy I/O cards allowing current systems the capability to upgrade to the new AIO-16A. It is fully compatible with the AIO-16 using the same back card and cabling. This means the AIO-16A can replace the AIO-16 card without replacing the back cards, cables or breakout panels.

MADI-2

MULTI-CHANNEL AUDIO DIGITAL INTERFACE CARD

The MADI-2 card expands the ADAM system configuration capabilities by utilizing MADI (Multi-channel Audio Digital Interface) technology to connect any AES-10 compliant device over coaxial or fiber connections at sampling rates of 44.1kHz and 48kHz.

The MADI-2 is fully scalable, allowing 16 to 64 channels of audio in and out. It supports hot-swapping and can be configured through the RTS AZedit configuration software.

TBX-2

TRIPLE BUS EXPANDER CARD KIT

A single TBX-2 fiber card can link up to four (4) ADAM/ADAM-M frames, while multiple Tribus cards can link up to nine (9) frames. This makes it possible to increase the number of available users on a system by transparently integrating additional frames.

	MCII-E	OMI	RVON+	AIO-16A	MADI-2	TBX-2
Supporting Products			ADAM, ADAM-M			
Function of card	Master Controller	OMNEO Matrix Interface	VoIP interface	Analog Input/Output	MADI Input/Output	Triple bus matrix expander
Features	Connects to AZedit matrix control software via Ethernet; Controls matrix	Provides high-quality audio over IP	Connects matrix to panels and/or audio tielines over standard IP networks	Provides ports for audio in and out via MDR or SCSI, plus individual data drivers	Connects any AES-10 compliant devices over coaxial or fiber	One card links up to four ADAM or ADAM-M frames together
Connections	(1) RJ45 Ethernet Connections (1) SCSI	(2) RJ45 Ethernet Connections (1) LC Type SFP Fiber Connector (1) DB-9 Serial data port	(1) DB-9 RS232/485 Serial data (2) RJ45 Ethernet Connectors (2) Fiber SFP	Choice of SCSI or MDR back cards (BC) BCs connect to break-out panels for (32) DB-9, (48) RJ-45 (ADAM, 6 x 16 for ADAM-M), or (6) 48-pin Telco connectors	(1) RJ45 Serial data for RS232/485 (2) LC Type SFP Fiber Connectors (SM) (4) BNC connectors for MADI In/Out, Word Clock, and TV Sync	(3) LC Type SFP Fiber Connectors
Ports per card	N/A	16-64, software license scalable	16	16	16-64, software license scalable	N/A
Frequency Response (Input)	N/A	± 1 dB from 20 Hz to 20 kHz		± 1 dB from 20 Hz to 20 kHz	± 1 dB from 20 Hz to 20 kHz	N/A
THD+N at 1 kHz	N/A	< 0.01% @ 8 dBu		< 0.007% @ 21 dBu, 1 kHz, unweighted	< 0.4% @ 1 kHz	N/A
Network Requirements	10 - 100 Mbit/s	≥ 100 Mbit/	≥ 10 Mbit/s	N/A	N/A	N/A
Storage Temperature			-40°C to 70°C (-40°F to 158°F)			
Operating Temperature			0°C to 50°C (32°F to 122°F)			
Power Consumption	7.5 W / 1.5 A @ 5 V FC and BC combined	14.9 W @ 5 V FC and BC combined	9.0 W when running 32 ports	18.2 W FC only	18.7 W / 3.7 A @ 5V FC and BC combined	13 W FC and BC combined
Weight	FC: 0.33 kg (0.73 lb) BC: 0.12 kg (0.26 lb)	FC: 0.29 kg (0.64 lb) BC: 0.14 kg (0.31 lb)	FC: 0.30 kg (0.66 lb) BC: 0.4 kg (0.31 lb)	FC: 0.33 kg (0.73 lb)	FC: 0.33 kg (0.73 lb) BC: 0.19 kg (0.42 lb)	FC: 0.34 kg (0.75 lb) BC: 0.17 kg (0.37 lb)
Card Dimensions (W x D x H)	Front Card: 2.1 cm x 32.2 cm x 17.3 cm (0.8" x 12.7" x 6.8") Back Card: 2.0 cm x 17.3 cm x 17.3 cm (0.8" x 6.8" x 6.8")					

XCP-48-RJ45-E

BREAKOUT PANEL

The XCP-48-RJ45-E is the newly created 48-port RJ-45 breakout panel with MDR connector for the AIO-16. It allows you to expand the number of RJ-45 ports on the Intercom system. The XCP-48-RJ45-E supports both 568B and USOC wiring conventions.

XCP-48-RJ45-E front

XCP-48-RJ45-E back

Panel	Back card	Connectors
XCP-955	Telco	(25x) RJ-12
XCP-954-48	Telco	(48x) DB-9
XCP-32-DB9	MDR	(48x) DB-9
XCP-16-DB9-T	MDR	(16x) DB-9
XCP-48-RJ45-E	MDR	(48x) RJ-45
XCP-48-Telco	MDR/Telco	(6x) Telco
XCP-40-DB9	SCSI	(40x) DB-9
XCP-40-RJ11	SCSI	(40x) RJ-12
XCP-40-RJ11	SCSI	(3x) Telco
XCP-ADAM-MC	SCSI	(10x) DB-9, (1x DB25)

Scalable

Versatile

User-friendly

Efficient

Flexible

REVOLUTIONIZE YOUR INTERCOM ... IN 1RU

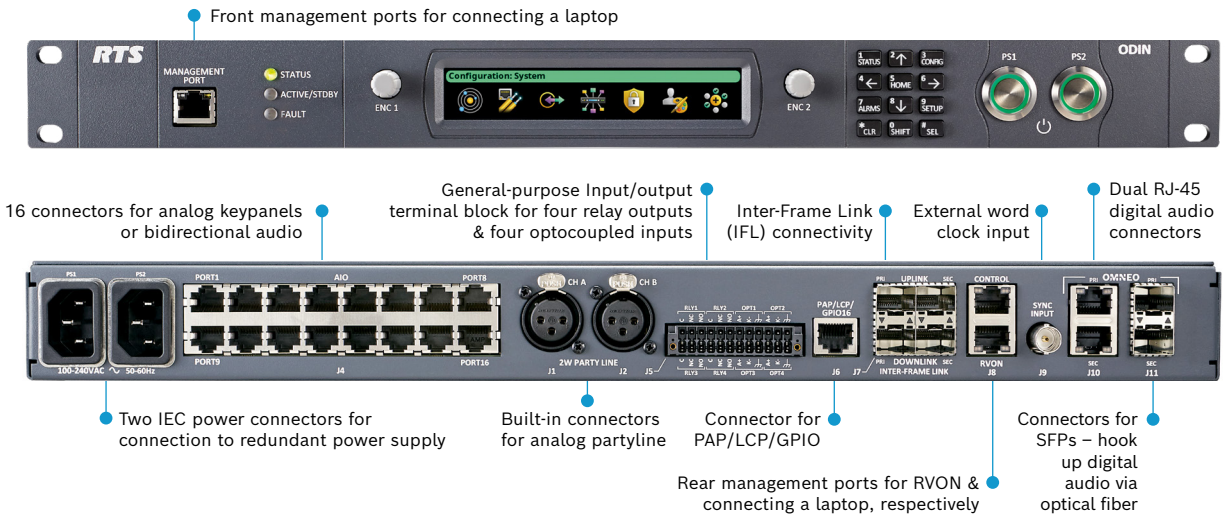
ODIN

DIGITAL INTERCOM MATRIX

Condensing decades of experience and our latest IP-based innovations into a compact single rack unit package, ODIN is designed to truly revolutionize intercom connectivity, scalability and performance – making a professional matrix solution more accessible and easier to use than ever before, for a wide range of applications and users of all levels.

“REMI (REMote Integration) production was already a working concept. Using RTS ODIN as the core of our communications systems played a key role in helping us make that pivot.”

-John Steigerwald, Broadcast Management Group



- Glitch-free available for the most clear and reliable communication
- Compact 1RU form factor makes ODIN perfect for OB vans and other applications where space is at a premium
- OMNEO media networking architecture built-in with support for ST 2110, AES67, and Dante™ from Audinate
- 16 analog keypanel connectors
- Single unit scalable from 16 to 128 ports
- Port expansion via software upgrade
- Up to eight units can be optically interconnected for a total of 1024 ports
- Color display with intuitive graphical user interface based on icons
- Redundant power supplies
- Two XLR connectors for wired partyline in one of three user-selectable formats
- Less than 50 watts of power, reducing the need for cooling
- 16 RVON channels per unit with support for G711/G722 codecs

FLEXIBLE

REDUNDANCY OPTIONS

Multiple flexible redundancy options are available for multi-frame ODIN systems: Backup and Restore, Frame Swap and Redundant Frame Operation.

The Backup and Restore function in RTS AZedit software can be used to upload and save the complete configuration of an ODIN frame to a file, from where it can be applied to another frame. This option is useful when, for example, two frames in two separate OB trucks need to be linked together for a production; afterwards, each can be easily restored to their previous settings.

Frame Swap is used to replace a single frame in a multi-frame ODIN intercom system. It is similar to Backup and Restore, but it is performed via the front control panel and does not involve AZedit.

Redundant Frame Operation supports two modes: One-to-One Redundancy and Intelligent Redundancy. In either mode the system can be configured for automatic transfer of control or manual transfer.

SOFTWARE

RTS software provides complete control over your intercom system from any standard Windows computer. Configure keypanel settings, assign user rights and even link matrices together that are thousands of miles away.

"It's all software based, so all I have to do is tell the system what I want to redefine it. And it's still all done with AZedit software, so there's almost no learning curve for our people. It's amazing."
- John Steigerwald,
Broadcast Management Group

MATRIX

AZEDIT

Intercom system configuration has never been easier with the advent of AZedit matrix control software. AZedit is a Windows-based, full-featured configuration software, providing online and offline configuration capabilities. It gives you the ability to manage multiple intercom systems, assign and reassign users to different ports, as well as dynamically add intercom hardware to your system setup without jumper changes, rewiring or taking the system offline. AZedit has the capability to load pre-set configuration files, which means saved configurations can be uploaded to the live application at anytime without interruption. AZedit can be used as a monitor tool to observe the status of features, such as gain and crosspoint settings, keypanel keys activated and other aspects of the system. AZedit can run in multiple sessions using the MCII-E ADAM master controller to allow for remote system configuration. AZedit is updated regularly to provide users with the latest features and innovations available.

IPEDIT

IPedit is a Windows-based GUI application for configuring and displaying RVON and OMNEO devices connected to your matrix system. IPedit is to IP products as AZedit is to ADAM, ADAM-M and ODIN. An enhanced version of IPedit is available, which can configure multiple network devices simultaneously.

VLINK. VLink is an IP-software multi-channel / multi-access communications solution that intelligently connects to RTS intercoms, creating the optimal fusion of hardware and software capabilities. **Learn more on Page 12.**

KEYPANEL

CONTROL & AUDIO SOFTWARE

Configuration upload/download: remotely configure any keypanel and edit/save keypanel configurations in AZedit software

Supervisor mode (keypanel mirroring): remotely configure any keypanel, adjust volumes and other parameters in real-time on target panel from a supervisor panel

Real-time volume control via AZedit software: ensures that users can always hear verbal instructions, even if their volume is turned to zero

Downloadable screensaver: download a screen saver that is specific to you or your organization

Downloadable chimes: download a set of chimes that is specific to you or your organization

AUDIO SOFTWARE PACKAGE

Five-band equalizer: adjust volume level within five pre-defined frequency bands; users can fine-tune audio to their individual preferences

Noise gate: adjust as required to reduce fatigue-causing line noise

OMNEO AUX Input: The Audio Software Package also provides six OMNEO AUX inputs in addition to the two standard inputs, giving you more configuration options for your matrix environment.

Voice mail:
leave messages for other users

Additional compression ratios: offer more flexibility. In noisy environments, audio quality can be improved by the amount of compression. This option adds additional compression ratios of 4, 5, and 6 to the standard 1:1, 2:1, and 3:1.

RVON G.722 CODEC SOFTWARE

RVON Codec:
The field-proven RVON (RTS Voice Over Network) technology for VoIP enables communication between users across long distances, using G.711, G.729 or high quality audio G.722 codec, users can select based on their application.

KP-Series users may now connect to matrices equipped with a suitable RVON interface, such as the RVON+ for ADAM/ADAM-M, or an ODIN via G.722 high quality audio codec (requires optional G.722 software license for KP-Series) in addition to the standard G.711 and G.729 codecs. The codec can also be installed on all RTS keypanels with an Ethernet connection.

ODIN and/or ADAM/ADAM-M equipped with RVON+ have all three codecs on board right away, allowing for high quality audio long distance tie-lines between matrices, which is often used for trunking applications.

RTS KEYPANELS

RTS keypanels represent the ultimate in compact, fully-programmable user stations. KP-Series keypanels deliver superior digital audio using the Bosch-developed OMNEO which includes Audinate's Dante audio over IP technology, via either copper or fiber. The KP-Series provides high-quality audio, free of noise, delay and other artifacts present in older technologies. The family includes a rich set of connectors as standard, including GPIO and rear connection. As with other RTS products, emphasis has been placed on backward compatibility with previous generations of matrices including analog technology.

KP-Series keypanels utilize the latest generation of wide angle TFT displays, providing superior clarity, resolution and longer display life, along with high-quality readability under a variety of lighting conditions.

The OMNEO media networking architecture has full support for ST 2110, AES67, as well as the broadly available Dante™ from Audinate.

KP-SERIES

- OMNEO Open Media Networking Standard – the new KP-Series is future-proof and so is your communication. The unparalleled flexibility features automatic hardware recognition plus the technology of OMNEO, so you get full backward compatibility and easy scalability.
- Out with the old, and in with the more intuitive. The new design and an enhanced user interface enable easier understanding and improved operation. The software provides simple and intuitive navigation of menus, with the most commonly used features easily accessible.
- Advanced Signal Processing and AD/DA – get high-quality audio transmission every time. The new keypanel family features two echo cancellation modes, plus quick AD/ DA conversion – ensuring ultra-low latency and reducing noise, echo, delay and other artifacts present found in older technologies.
- User-Friendly, High-Res Color Display – get high quality, inside and out. The new KP-Series keypanels feature a unified design, with better color, contrast, resolution and viewing angle for an improved visual experience. Plus, multiple controls through ergonomically-designed levers. Pushbutton versions are also available.
- Backward compatibility – all KP-Series keypanels are compatible with older technologies such as analog audio.
- Standardized connectors – all previous hardware connector options (RC, GPIO, and ancillary items) are now standard on the 4000 and 5000 series of KP-Series products.
- Enhanced navigation menus – optimized for ease of use.
- High-performance Audio and Control Software Packages for KP-5032 and KP-4016 keypanel models including the DKP-4016 desktop keypanel. The software packages new features like keypanel mirroring, voicemail, customization, and more.
- Available channel-by-channel assignment of OMNEO or RVON IP technology.
- Reduced power consumption – the power utilization of the KP-Series keypanels is reduced to almost fifty percent compared to older keypanels.

Dante™ OCA AES70 OPEN CONTROL ARCHITECTURE OMNEO onboard SMPTE

KP-SERIES KEYPANELS

DKP-4016

16-POSITION HD COLOR DISPLAY DESKTOP/WALL-MOUNT KEYPANEL

KP-5032*

32-POSITION HD COLOR DISPLAY KEYPANEL

KP-3016

ONE RACK UNIT KEYPANEL, 16 OPERATION KEYS WITH ANALOG AND IP (OMNEO/DANTE OR RVON) MATRIX INTERFACE

KP-3016A

ONE RACK UNIT KEYPANEL, 16 OPERATION KEYS WITH ANALOG MATRIX INTERFACE ONLY. DOES NOT SUPPORT RVON OR OMNEO.

KP-4016*

16-POSITION HD COLOR DISPLAY KEYPANEL

EKP-3016

ONE RACK UNIT EXPANSION KEYPANEL,16 OPERATION KEYS FOR KP-3016 AND KP-3016A

EKP-4016*

16-POSITION HD COLOR DISPLAY EXPANSION PANEL

Connect up to 6 (KP-5032) or up to 7 (KP-4016) expansion panels for a maximum of 128 talk / listen keys.

DKP-3016

16-POSITION HD COLOR DISPLAY DESKTOP/WALL-MOUNT KEYPANEL

Also available as a wall mount version, the DKP-3016W.

*Available in lever key or pushbutton

KEYPANEL COMPARISON

Family	KP-3016A	KP-3016	DKP-3016	DKP-4016	KP-4016	KP-5032	KP-4016 PB	KP-5032 PB
Form factor	1RU		DKP/WM		1RU	2RU	1RU	2RU
Input device	Lever						Pushbutton	
Talk	Lever	Lever	Lever	Lever	Lever	Lever	Pushbutton	
Listen	Lever	Lever	Lever	Lever	Lever	Lever	LSTN + Pushbutton	
Keys (KP / DP)	14		16		14	32	14	32
Keys (Exp)	16		Not applicable		16			
Cross Point Vol.	Knob			Lever	Lever	Lever	Pushbutton + Aux knob	
Anti-glare lens	No		Yes	Yes				
Dialing pad	No			Yes				
TCP/IP Layer 3 Dante compatible	No	Yes, OMNEO						
Redundant IP conn.	No			Yes, RSTP				
Front self-sensing hdst inp.	Yes							
Power (W), nominal	8	11	25		12	13	12	13
Aux inputs	No			1	2			
Ext mic input	No			Yes				
Hdst connector	1		2		2			
Line out / mic out GPIO-connector	No		Yes					
Power supply	External		Internal		External			
Output for ext. speaker	No			Yes				
OMNEO (RJ-45)	No	1		2				
OMNEO (for SFP)	No			1				
Backward compatible	Yes							
Firmware can be upgraded	Yes							
Accepts RVON codec firmware	No	Yes						
Enhanced feature licensing	No			Yes				

DIGITAL BELTPACK KEYPANEL MODE.
Digital Beltpack (DBP) also has a Keypanel Mode within the RTS ecosystem.
Learn more on Page 38.

UPGRADES

- Audio and Control Software Packages for KP-5032 and KP-4016 keypanel models including the DKP-4016 desktop keypanel. The software packages add features like keypanel mirroring, voicemail, customization, RVON G.722 via firmware license, and more.
- Available channel-by-channel assignment of OMNEO or RVON IP technology.

ACCESSORIES

MCP-90-X
ELECTRET GOOSENECK MICS

The MCP-90-x gooseneck mics are the standard gooseneck intercom mic for all RTS keypanels. Available in various length from 0” to 18”. All versions use a electret mic element.

- MCP-90-0 (0”)
- MCP-90-8 (8”)
- MCP-90-12 (12”)
- MCP-90-18 (18”)

WKP-1*
WALL-MOUNT KEYPANEL

WKP-1 offers simplified operation and integrates seamlessly with RTS digital intercom systems. The physical size and weather-resistant design provides a flexible and robust intercom system. WKP-1 fits a standard US dual gang electrical box.

***NOT AVAILABLE IN ALL REGIONS.**
Contact RTS for more information.

DIGITAL MATRIX PERIPHERALS

RTS offers a full line of peripheral products to complete your communications system, including interfaces to party-line intercoms, telephone lines, and relays. Accessories also include control panels for IFB levels and assignments, panels for adjusting system audio levels, and microphones.

TIF-PRO2

OEI-2

PAP5032

TIF-PRO2

VOIP TELEPHONE INTERFACE

A replacement for the successful SIP-ISDN, the TIF-PRO2 provides increased IP/digital/analog connection density in a compact half-rack-unit form factor. The device offers seamless interoperability with the latest RTS IP/digital keypanels and matrices, along with legacy IP/digital/analog RTS intercom hardware. It comes equipped with two SIP IP lines, each with a 64 Kbps data rate.

Software options:

- TIF-PRO2 2-channels PSTN upgrade. ISDN is also enabled with this upgrade (subject to change).
- 2 x RX and 2 x TX AES67 channels (DANTE/RAVENNA compatible via SAP)
- Configuration & operation for additional workplaces (one license is already included in the system delivery).

OEI-2

OMNEO IP EXTERNAL INTERFACE

The OEI-2 enables connectivity between analog audio sources and legacy RTS keypanels and an OMNEO network. This allows users to maintain existing infrastructure and the equity of their original equipment investment while updating to high-performance OMNEO media networking architecture. Utilizing standard IP Ethernet infrastructure, OMNEO-equipped products can be assembled into networks of 2 to 10,000 cooperating devices that share common control systems. OMNEO sets new industry standards for audio communications by offering unparalleled scalability and future-proof expandability; studio-quality synchronized multichannel audio;the most robust, reliable, and secure control protocol suite available; ultra-low latency; and the support of DHCP protocols. The compact, mountable OEI-2 is designed for quick installation and easy operation, and supports all RTS analog keypanels.

PAP-5032

OMNEO-CAPABLE PROGRAM ASSIGN PANEL

The PAP-5032 provides the user with the ability to assign multiple program sources to over 16 different IFB destinations. The PAP-5032 can be extended to up to 64 program sources and 64 IFB destinations via standard EKP expansion panels. The PAP-5032 works with ADAM, ADAM-M, and ODIN matrix systems.

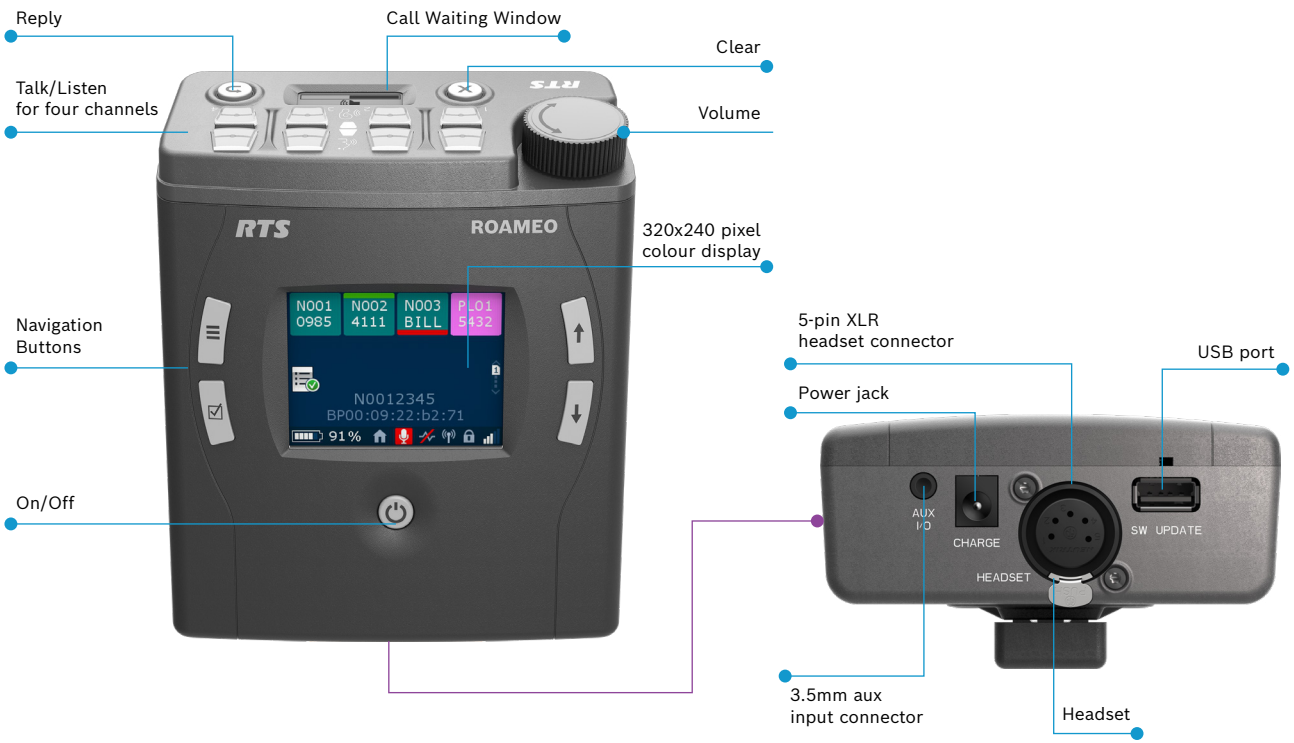
Interfaces

Model name	Description
ARNI E & ARNI S	Audio routed network interface
DSI2008	Digital system-to-system adapter
FMI-4	Multiplexer with 4 RTS four-wire intercom ports
FMI-8	Multiplexer with 8 RTS four-wire intercom ports
GPIO-16	General purpose input/output interface
OKI-2	OMNEO keypanel interface card-2
RVON-I/O	VoIP interface for KP-32 classic keypanels
TIF2000A	Single-line digital telephone interface
TIF4000	Multi-line telephone interface

LICENSE-FREE WIRELESS KEYPANEL

The ROAMEO wireless intercom system from RTS is a professional, easy-to-use and future-proof solution based on the license-free DECT (Digital Enhanced Cordless Telecommunications) standard. ROAMEO provides high-quality audio and a large number of simultaneous users across wide areas over a seamlessly integrated digital wireless beltpack and associated access points. ROAMEO can solve a series of communication challenges by operating like a wireless keypanel in the field which is easy to use and easy to expand. Additionally, wireless beltpacks can be directly addressed as part of a wired RTS matrix intercom system.

DECT WIRELESS KEYPANEL

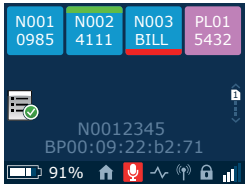


ROAMEO

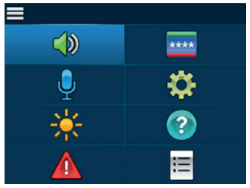
TR-1800 & AP-1800

ROAMEO provides a superior user experience – the system can be easily configured in a multi-language set-up via scroll lists on the TR-1800 beltpacks or using the control software AZedit, which allows users to configure the complete intercom system on one screen.

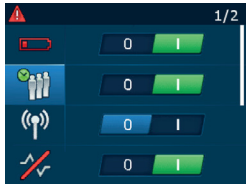
Thanks to its large color LED-display and intuitive icon-based menu structure, the TR-1800 beltpack is very easy to set up and operate. With its lightweight, durable housing, the beltpack features the smallest enclosure in its class and is protected against dust and light rain.



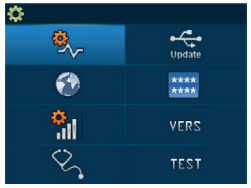
Front view


Settings

Level Adjust



Alerts



Advanced Settings

Assignments

Languages

Model name	Description
AP-1800	Access point 1.92 – 1.93 GHz
AP-1800 EU	Access point 1.88 – 1.90 GHz
TR-1800	Beltpack 1.92 – 1.93 GHz
TR-1800 EU	Beltpack 1.88 – 1.90 GHz
TR-1800 Holster	Holster for TR-1800 & TR-1800 EU
24-PSE	Spare power supply for TR-1800 & TR-1800 EU
ANT1800	Spare antenna (qty 1) for AP-1800 & AP-1800 EU
AP1800 MT BRKT	Pole mount kit for AP-1800 & AP-1800 EU
BP-240	Spare Lithium battery for TR-1800 & TR-1800 EU
IP06S60	Ultra high-power 90 W POE injector / 60 W POE splitter

AP-1800

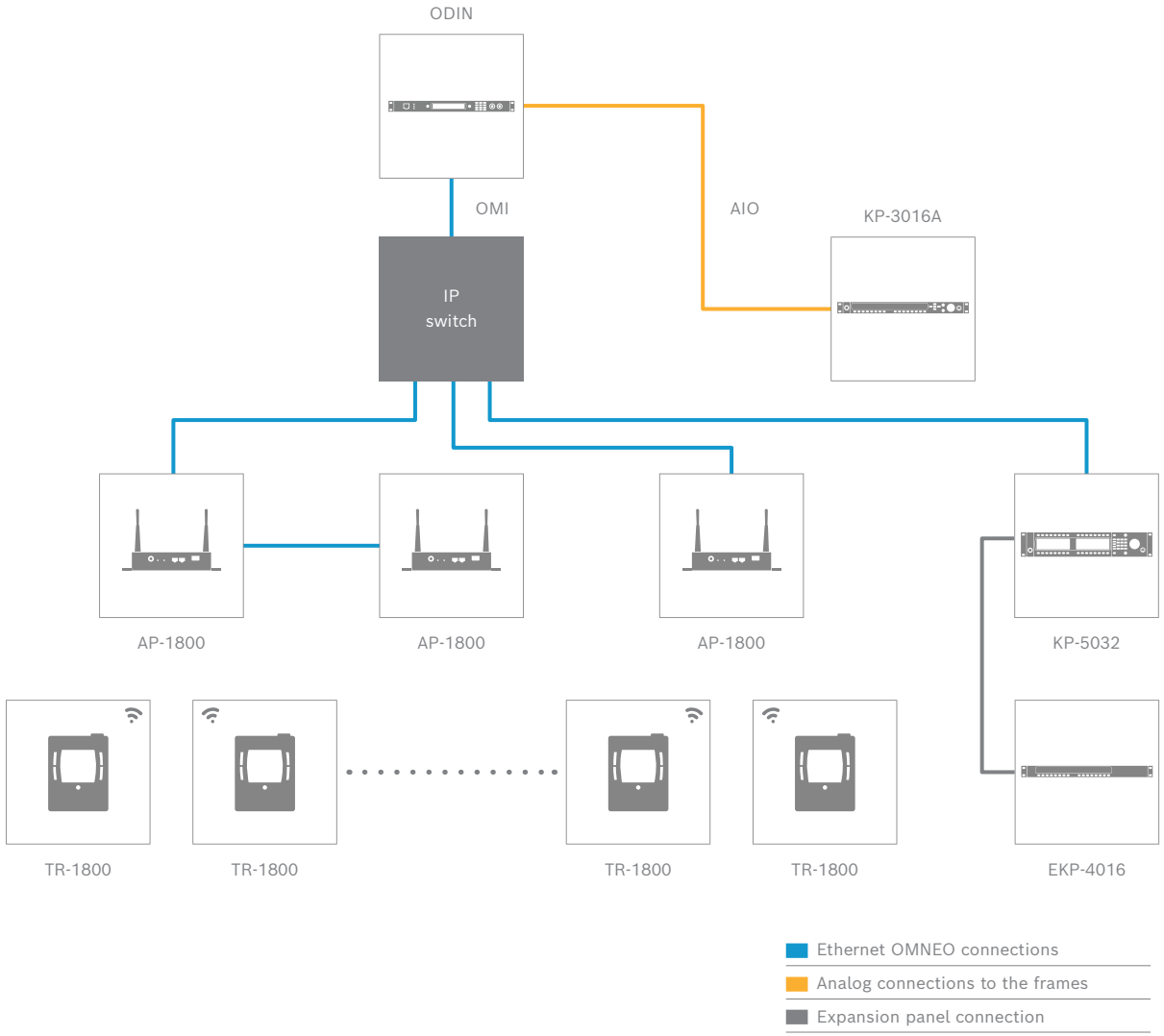
LICENSE-FREE 5/10CH DEVICE

Connection to a digital matrix is easily established via a single Ethernet cable; the access points can be daisy-chained. The AP-1800 access point is IP-53 rated with a durable aluminum enclosure and designed for a minimum of spatial requirements on vertical or horizontal wall surfaces. The AP-1800 access points convert the DECT signals into Dante-compatible OMNEO IP-technology, thereby providing the highest interoperability, flexibility, reliability and resilience.

POE SPLITTER

12V 60W POE POWER KIT FOR AP-1800

The PoE Power Kit for the AP-1800 is a full 60W, industrial, PoE (Power over Ethernet) splitter solution that splits out DC power from the DC + data of the Ethernet network, which eliminates the need for a local power supply. This adds PoE functionality to non-PoE devices that have a power consumption up to a full 60W. The PoE splitter is perfect for network devices that need higher power.



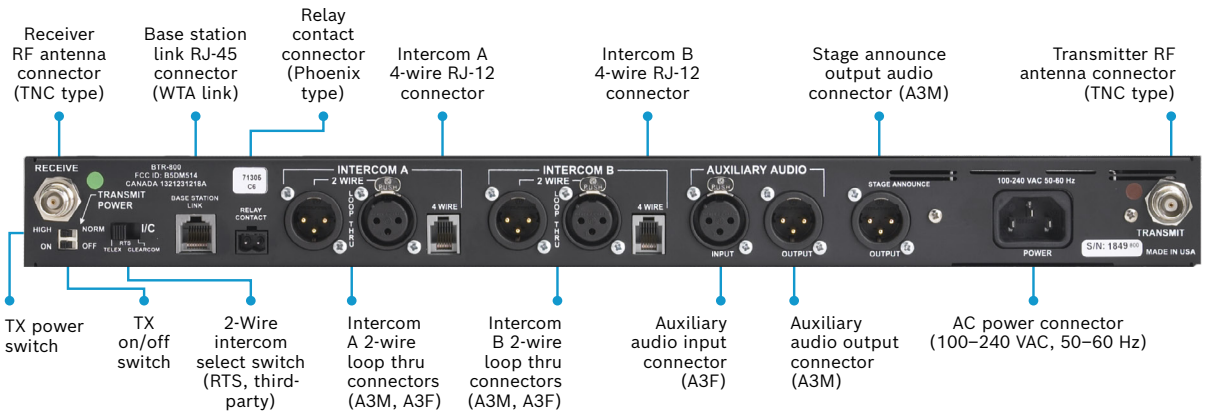
EXPANDING THE SYSTEM

ROAMEO's cellular structure can cover a wide area with superior audio and seamless roaming between the individual cells. Each cell requires an AP-1800 access point and covers a specified area and number of beltpacks, depending on the audio codec used. Each AP-1800 has a built-in IP switch that adds multiple streams together in the same cable and will configure itself automatically. Users can easily expand the coverage area by adding additional access points, while additional wireless beltpacks can be directly addressed as part of a wired RTS matrix intercom system.

Users can easily expand the coverage area by adding additional access points, while additional wireless beltpacks can be directly addressed as part of a wired RTS matrix intercom system. Depending on the audio codec used, users can select between a higher emphasis on voice quality (G.722 enhanced bandwidth with 7k audio) or a more efficient use of the radio spectrum with a higher number of beltpacks (G.726 narrow-band).

The DECT-based ROAMEO system is an environmentally friendly system without any dangerous emissions at low radiation. It is compliant with the US environmental regulation N33.6.

UHF WIRELESS INTERCOMS*



Rear view of BTR-800

UHF WIRELESS INTERCOMS*

BTR-800*

UHF SYNTHESIZED WIRELESS INTERCOM 2CH BASE STATION

The RadioCom BTR-800 UHF-synthesized wireless intercom systems offer the ultimate in reliable, high-performance, high fidelity full-duplex communications. The BTR-800 system includes the BTR-800 frequency-agile base station, working with up to four TR-800 or TR-825 frequency-agile beltpacks. The BTR-800 base station provides full-duplex communications with the beltpacks.

TR-800*

UHF WIRELESS INTERCOM 2CH BELTPACK

Individual volume controls also allow for easy level adjustment. The TR-800 has an all metal cast magnesium case, an LCD based graphical user interface, stage announce activation, wireless talk around (ISO) activation, enhanced ClearScan, detachable antennas and an auto-sensing headset connector that automatically switches between electret and dynamic headset mics.

TR-825*

UHF WIRELESS BINAURAL INTERCOM 2CH BELTPACK

The RTS TR-825 is a Two-channel UHF frequency-agile wireless beltpack for use with the BTR-800. The TR-825 is a dual listen and dual talk beltpack, allowing you to listen to “Tech” in one ear and “Production” in the other. Individual volume controls also allow for easy level adjustment. The TR-800 has an all metal cast magnesium case, an LCD based graphical user interface, stage announce activation, wireless talk around (ISO) activation, enhanced ClearScan, detachable antennas and an auto-sensing headset connector that automatically switches between electret and dynamic headset mics.

***NOT AVAILABLE IN ALL REGIONS.**

BTR-800/TR-800/TR-825: 470–608 MHz, 614–722 MHz in 18 MHz TX and RX bands. Licensing of this equipment is the user’s responsibility and ability to license depends on the user’s classification, user’s application and frequency selected. Contact RTS for more information.

OTHER WIRELESS SYSTEMS*

BTR-80N*

UHF NARROW BAND SYNTHESIZED WIRELESS INTERCOM 2CH BASE STATION

The RTS BTR-80N Narrow Band 2-Channel UHF Synthesized Wireless Intercom System is a revolutionary product offered in today's ever-changing and shrinking RF environment. Providing an unprecedented 25 kHz of modulated band width, the BTR-80N narrow band system will allow more users per channel in the cramped UHF spectrum. The BTR-80N provides excellent audio performance and provides all of the standard features of the award winning RTS BTR-800 system, such as DSP digital processing and Intelligent Power Control.

Model name*	Description
TR-80N	UHF narrow band synthesized wireless intercom 2CH portable beltpack
TR-82N	UHF narrow band binaural synthesized wireless intercom portable 2CH beltpack
AB-2	Universal bracket for ¼ wave antenna with 10' coax cable
ACS-101	Broadband antenna combiner-splitter
ALP 600M	ALP-600 telescoping antenna mast
ALP-450	UHF directional antenna
ALP-600	UHF bi-directional antenna
ALP-600B	ALP-600 antenna bracket kit
ALP-700	Bi-directional log periodic antenna. Covers 470-760 MHz.
APS1 COMB_SPLT	Broadband antenna combiner-splitter
BC800NM4*	Four-bay charger with NiMH battery packs
BP800NM	NiMH battery pack

***NOT AVAILABLE IN ALL REGIONS.**

BTR-80N/TR-80N/TR-82N: 482–722 MHz (TV 16 to TV 36 and TV 38 to TV 52). Licensing of this equipment is the user's responsibility and ability to license depends on the user's classification, user's application and frequency selected. Contact RTS for more information.

WIRELESS IFB*

The TT-16 is designed to provide a convenient wireless link to on-air talent in the studio or in the field at remote locations. Operating in the low band VHF 64-68 MHz range (TV CH3 and 4), the units operate reliably at distances of over 750 feet. In unoccupied television channels, up to five TT-16 transmitters will operate simultaneously within the same location.

***NOT AVAILABLE IN ALL REGIONS.**
Contact RTS for more information.

TR-16*

16CH BROADCAST WIRELESS IFB TRANSMITTER

The TR-16 is designed with a 3.5mm earphone connector, to be used with standard IFB earpieces such as the RTS Telethin announcers earpiece systems or any other 8-500 earphone. The TR-16 receiver features a selectable high frequency boost control to equalize the high frequency loss associated with the use of behind the collar acoustic tubes and earphone drivers.

TT-16*

16CH BROADCAST WIRELESS IFB TRANSMITTER

A backlit LCD display allows the user to select the RF channel used, change Hi-Low RF transmit power, select intercom input source and adjust the input levels. A new feature, Enhanced Dynamic Range (EDR), greatly improves the signal to noise ratio, and works with the TR-16 talent receiver to provide clearer, more dynamic audio.

CLEAR.
COMPACT.
COMPATIBLE.

VERSATILE
Dante · OCA · OMNEO onboard · AES67 · SMPTE

A BRIDGE FROM ANALOG TO DIGITAL AND IP

SCALABLE

DAISY CHAINING

USER FRIENDLY

HYBRID FUNCTIONALITY

RTS DIGITAL PARTYLINE

OMS is a communications multi-tool for a wide range of customers, including theaters, houses of worship, broadcast, AV rental, industrial facilities and entertainment/event venues.

The DSPK-4 is an IP-based wired speaker station providing next-level versatility and functionality, including four channels of talk/listen via microphone and speaker or headset.

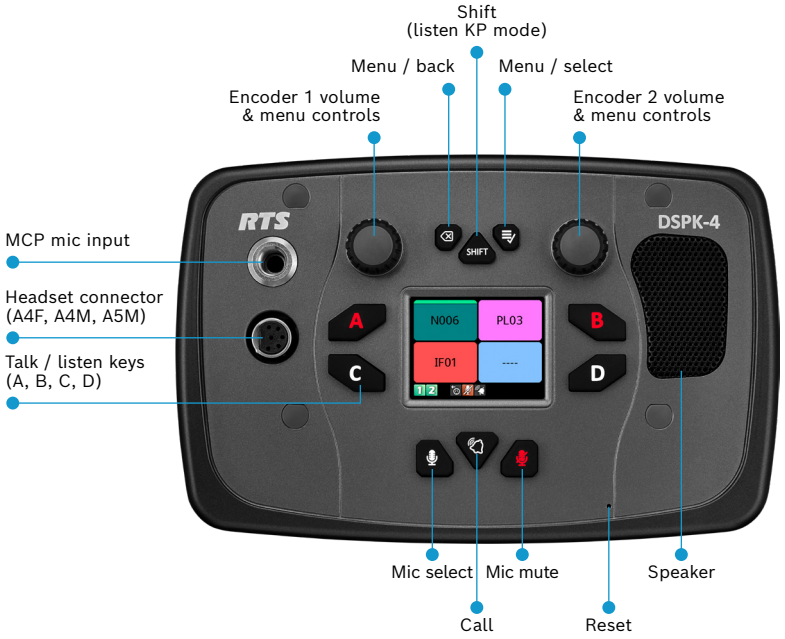
DBP is a four-channel/four-button wired beltpack that runs on PoE (Power over Ethernet 802.3af and 802.3at) and connects using OMNEO IP technology (Dante, AES70 and more).

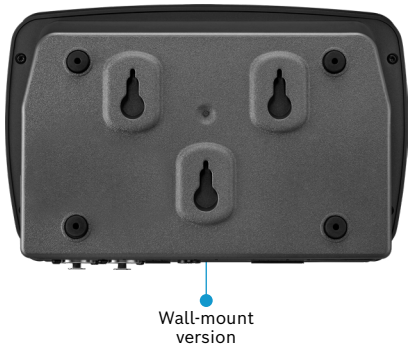
OMS

OMNEO MAIN STATION

OMS is a communications multi-tool for a wide range of customers, including theaters, houses of worship, broadcast, AV rental, industrial facilities and entertainment/event venues. It is available in five licensed configurations to suit the user's budget and application requirements: Advanced, Intermediate and Basic digital (each with OMNEO); Analog Plus and Analog (main station options for analog-only partyline systems).

Presented in a compact 1RU enclosure, OMS is a uniquely versatile and cost-effective solution capable of interconnecting both wired/wireless and IP/digital/analog devices. Full TCP/IP connectivity is supported. Whereas current systems on the market offer analog-only, digital-only, proprietary or non-Dante-compatible products, OMS encapsulates the RTS philosophy of bridging all standards and formats.





DSPK-4

DIGITAL SPEAKER STATION

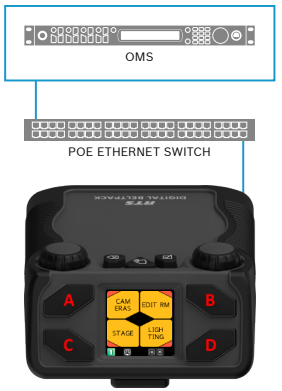
The DSPK-4 is ideal for new users or current partyline users looking to grow from analog systems into the superior sound quality and flexible connectivity of digital/IP communications, in verticals such as broadcasting, theaters/live entertainment, houses of worship, educational facilities, industrial facilities, event production and AV rental. Because it offers both digital partyline and matrix keypanel modes, DSPK-4 also offers excellent ROI for customers with existing RTS matrix intercom equipment. For example, users such as broadcast networks and industrial facilities can expand their comms inventory cost-effectively with RTS Digital Partyline – all while continuing to leverage the scalability of their existing matrix equipment. And, in addition to increased fidelity and a lower noise floor in comparison to analog, the DSPK-4's Dante™ digital audio quality permits natural conversation levels and dynamics, free from feedback and latency – all of which can add value by ensuring communications run smoothly during day-to-day operations.

DBP

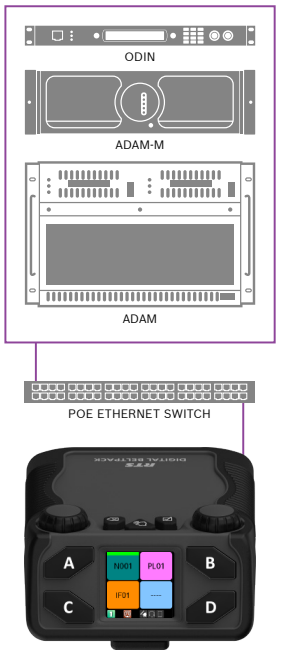
DIGITAL BELTPACK

The DBP provides TALK and LISTEN capability for up to four configurable audio conferences. It runs on PoE (Power over Ethernet 802.3af and 802.3at) and connects using OMNEO IP technology (Dante, AES70 and more). Its unique hybrid design supports both digital partyline and matrix keypanel modes: for use as a digital partyline device, DBP connects to an OMS; for use as a portable keypanel, including functionality like point-to-point communication, DBP can be connected to any RTS digital/IP matrix product using OMNEO – including OMI cards in ADAM/ADAM-M frames or OMNEO ports on ODIN frames. DBP automatically selects the correct mode of operation (digital partyline/OMS or keypanel/matrix) when connected and switched on.

PARTYLINE MODE



KEYPANEL MODE



RTS TWO-WIRE

RTS TW's innovative intercom systems have been the industry standard "can't fail" communications system for over 30 years. Our 2-channel on standard microphone cable technology offers users a distinct competitive advantage. With countless installations in studio broadcast, remote production, board rooms, theaters, arenas, stadiums, training facilities and many venues, we have the time proven technology that professionals rely on to stay connected.

POWER SUPPLIES

The power supplies are the heart of the partyline system, providing operating voltage to beltpacks and user stations. RTS' unique, short-circuit reset feature and unparalleled mechanical engineering ensure reliable, trouble-free operation.

INTERFACES

Two-wire/four-wire interfaces connect two-wire intercom lines to four-wire systems.

USER STATIONS

Rugged and dependable RTS two-wire intercom user stations form the widest variety of stationary communications stations in the industry. RTS two-wire intercom user stations are the perfect choice for a wide range of applications regardless of what physical profile is required.

PS-20

POWER SUPPLY

The RTS PS-20 is the RTS Two-Wire Intercom power supply. The PS-20 features two- and four-channel operation, RTS monitoring, two-channel program input, audio linking, and three-mode operation: RTS 2-channel, RTS 4-channel and Clear-Com mode.

It also has high power output, which will increase the number of user stations and beltpacks which can be connected substantially.

Analog system-to-system adapter

2CH user station

SYSTEM COMPONENTS

Model name*	Description
PS-20	Power supply
4025A	1x4 25 pair, 50-pin passive splitter
BOP-1000	19“ blank mounting frame
BOP220	Breakout panel
LMS-325	5-watt modular amplified loudspeaker
MCS-325	5-watt passive modular loudspeaker
SAP612	Source assignment panel
TW-5W	1x5 2CH 3-pin XLR-type passive splitter
TW-7W	1 female XLR-3 into 7 male XLR-3 out
MCP-1, MPC-2, MPC-3, & more	Various rack mount kits for rack mounting of devices

***NOT AVAILABLE IN ALL REGIONS.**
Contact RTS for more information.

TWO-WIRE BELTPACKS

RTS Two-Wire Intercom beltpacks are mechanically engineered to be rugged and dependable and provide maximum voice intelligibility.

SYSTEM COMPONENTS

Model name	Description
4030	2CH IFB beltpack
4030M	1CH IFB beltpack “passive device” adapter
BP-325	2CH binaural programmable beltpack with wired intercom ports
BP-4000	1CH portable universal beltpack headset station for mobile users
BP-5000	2CH portable universal beltpack headset station for mobile users
IFB-325	1CH IFB beltpack

BP-325

2CH BINAURAL PROGRAMMABLE BELTPACK

The BP-325 is a portable beltpack for use with RTS Two-Wire intercom systems. The BP-325 is a binaural (stereo) programmable two-channel beltpack with program-input capability. The BP-325 is for use with a dynamic microphone only.

BP-4000

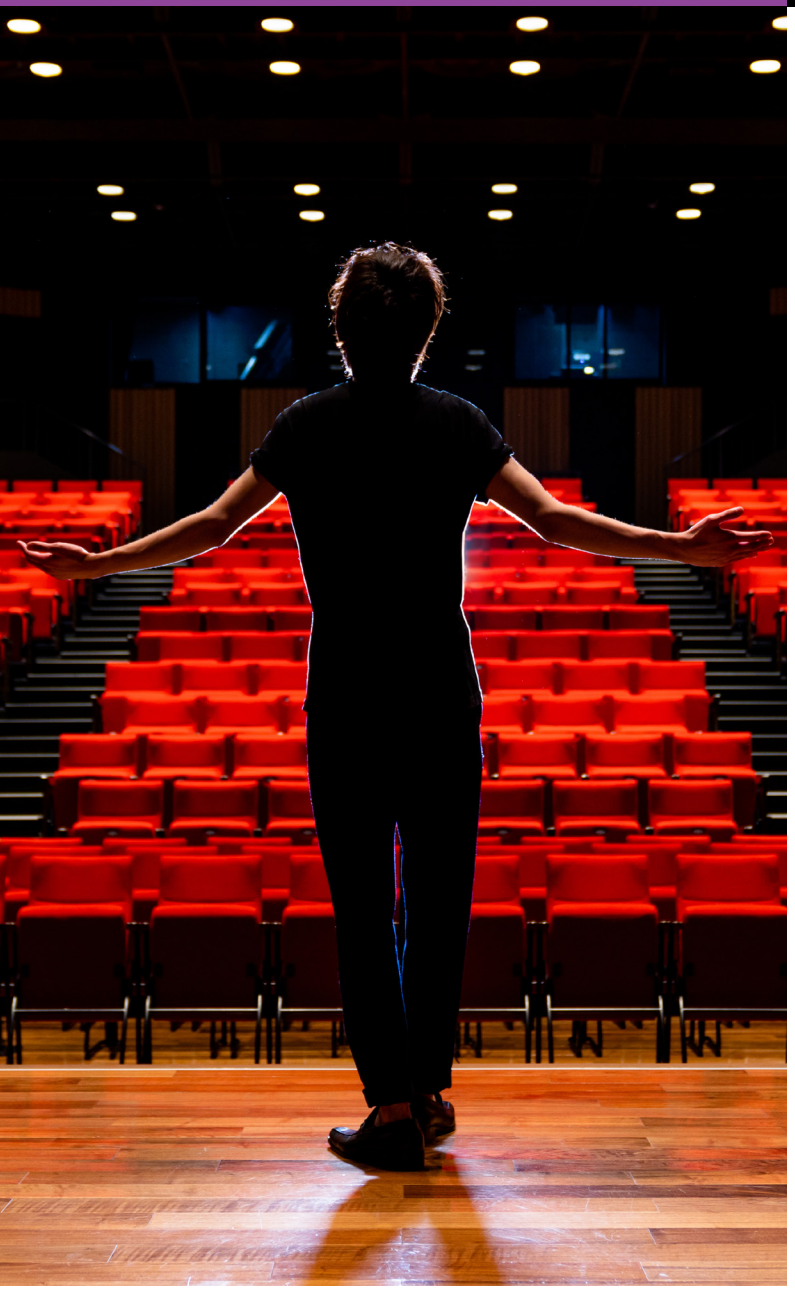
1CH PORTABLE UNIVERSAL BELTPACK HEADSET STATION FOR MOBILE USERS

The BP-4000 universal beltpack is a 1-channel portable user station compatible with RTS, Audiocom, and Clear-Com party line systems. The BP-4000 has a mode-sensing system configuration, meaning the beltpack can determine what type of system it is installed into and configure itself according to that system. The BP-4000 can be ordered with either a 4-pin male, 4-pin female, or a 5-pin female XLR connector providing, a wide-range of headset options.

BP-5000

2CH PORTABLE UNIVERSAL BELTPACK HEADSET STATION FOR MOBILE USERS

The BP-5000 universal beltpack is a 2-channel portable user station compatible with RTS, Audiocom, and Clear-Com party line systems. The BP-5000 has a mode-sensing system configuration, meaning the beltpack can determine what type of system it is installed into and configure itself according to that system. The BP-5000 can be ordered with either a 4-pin male, 4-pin female, or a 5-pin female XLR connector providing, a wide-range of headset options.



AUDIOCOM BALANCED INTERCOM*

Audio balanced intercom systems, utilizing industry-leading balanced audio system structure and highly configurable and expandable modular designs, are utilized in virtually every kind of application and venue throughout the world.

***NOT AVAILABLE IN ALL REGIONS.**

Audiocom products may not be available for purchase in your particular country or locality. Check with your local RTS authorized dealer, distributor or other representative for the availability of specific products and services in your area.

PS-4001*

4CH POWER SUPPLY

The PS4001 power supply supplies four isolated channels of intercom system phantom power to down line components. The PS4001 may be combined with an ES4000A expansion station to create additional intercom channels when using a US2002/PS2001L or US2000A/SPS2001 master station configuration. The PS4001 can also be used as a standalone power supply to provide power to four independent partyline channels. Rack mountable in a variety of modular configurations with one of several optional rack mount kits. Clear-Com compatible.

BP-4000 A4M

1CH PORTABLE UNIVERSAL BELTPACK HEADSET STATION FOR MOBILE USERS

The BP-4000 universal beltpack is a 1-channel portable user station compatible with RTS, Audiocom, and Clear-Com party line systems. The BP-4000 has a mode-sensing system configuration, meaning the beltpack can determine what type of system it is installed into and configure itself according to that system. Multiple programming options are available. To simplify programming, voice prompts guide the user through the menus.

BP-6000

UNIVERSAL BELTPACK

The BP-6000 is a portable user stations compatible with Audiocom and Clear-Com party line systems. The BP-6000 is a 2-channel beltpack equipped with a mode-sensing system configuration, meaning the beltpack determines what type of system it is installed into and configures itself according to the system. Dynamic and electret headset microphones are supported. The loop and line connection both use 6-pin Switchcraft connectors.

IFB-1000

1CH BELTPACK

Portable, single-channel, listen-only beltpack. High-quality audio receive circuit. Rugged low-profile metal case with sturdy belt clip. Recessed volume control. Power on indicator. One 3-pin XLR connector for partyline connection. ¼” phone jack for earphone or earset. Uses same cables and wall plates as BP-4000 and BP-6000. Powered from partyline.

ICW-6*

WINDOW INTERCOM

The ICW-6 represents the ultimate in reliable, rugged, and flexible security and ticket booth communications equipment. Unique audio-shaping circuitry and enhanced VOX (Voice Threshold Level Activation) operation ensure maximum voice intelligibility is achieved. Installation is quick and easy with out 2-piece, super rugged, maintenance-free polycarbonate enclosure.

***NOT AVAILABLE IN ALL REGIONS.**
Contact RTS for more information.

INTERCOM HEADSETS & EARSETS

LIGHTWEIGHT
HEADSETS

The RTS lightweight headsets provide users with an ideal combination of functionality and comfort. The double-sided PH-44 and single-sided PH-88 models offer users an efficient and durable standard headset, one that has become an industry standard. The LH-300 single-sided and LH-302 double-sided models add a headband pad and leatherette ear cushions for additional comfort.

FULL-CUSHION
HEADSETS

The PH Series full-cushion intercom headsets have moderate noise isolation and an easily-positioned mic adjusting ball joint. The HR Series features a moleskin covered headband and clamping force adjustment feature designed to distribute pressure evenly over each ear. Both the PH and HR series are durable and offer the ultimate in day-long comfort. They are popular with users in a wide variety of applications.

HEADSETS, HEADPHONES, EARSETS & ACCESSORIES

MONITOR
HEADPHONES

The HR-1L & HR-2L are medium-weight, noise reduction headphones with a noise reduction rating of 21 dB. The headsets effectively reduce noise and are suitable for use in moderately noisy environments. All models feature a unique, soft padded headband design that distributes ear cushion pressure evenly over each ear.

ANNOUNCER
EARSETS

The popular RTS earsets are precisely designed for inconspicuous listening while on camera. Used by nearly all major television networks and stations, we have surpassed industry standards. The extremely efficient miniature driver element requires only nominal operating power and enables the announcer to hear program cues while working with a live microphone. The units are also suitable for many other applications such as live theater script prompting.

HS-6A PTT
HANDSET

The HS-6A is a telephone-style handset that offers a push-to-talk switch, dynamic earphone and dynamic microphone. It is supplied with a metal hanger bracket for vertical storage and is compatible with most user stations. The HS-6A is terminated with an A4F plug. Available in white or black.

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