

RTS[®] Digital Matrix Intercom

Product Catalog 2007 • 2008

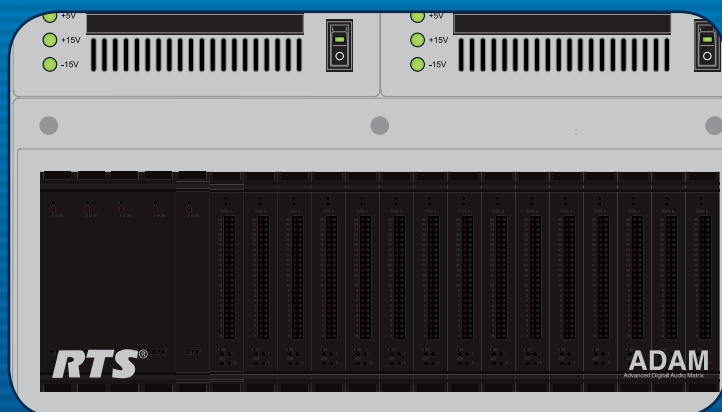


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Preface

Dear User:

At Bosch Communications Systems, we strive lead the globe with our RTS® Digital Matrix Intercom Systems by providing complete communications solutions that connect people when it matters most. For the last 30+ years, RTS® has been the leading pioneer in intercom communications. We have made unprecedented advances in the industry beginning with the CS-9000, then with our Digital Matrix and Emmy Award-winning Two-Wire systems, and continuing with the ADAM and Cronus®. Our dedicated team of innovative design engineers, reliable sales professionals, and intrepid technicians consistently design, specify, and implement systems that exceed the most demanding requirements while ensuring a sound investment for the future.

Now in the 21st century, we offer the latest-generation VoIP solutions with our RVON series. This technology gives you, the user, greater control and flexibility over your system than ever before. RTS® RVON opens a new world of connected possibilities of which we are proud to be a part, and we invite you to join us. It gives me great pleasure to welcome you to the future of intercom systems.

Sincerely,

Christian Latzelsberger

Christian Latzelsberger
Senior Product Manager
RTS® Intercoms Worldwide



Company History

Mission Statement

It is the goal of RTS® to be the recognized global leader in delivering comprehensive communications systems and solutions to entertainment and industry.



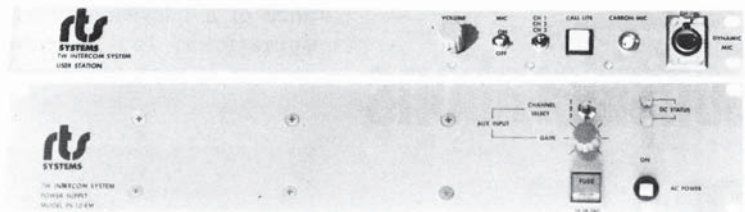
In the early days of television production, intercommunication among the crew was accomplished using carbon microphone conference line intercom systems. These systems used telephone company-type equipment and telephone company technology. This technology was not intended to conference more than two stations, and television production needed as many as 30 stations to conference together. As the number of stations ranged from ten upwards, the performance of the system was severely degraded. Some improvements were made over the years, but the fundamental system design problem was not addressed.

In 1975, Doug Leighton and Stan Hubler took a systems approach to solve the fundamental system design problem. After six months of intensive work, the problem was solved, and products were developed to utilize the solution. This first solution was called the "TW Intercom System". The company formed then, to solve the problem and to market the solution, was—and still is RTS Systems.

In 1979, Compact Video Systems bought RTS Systems, Inc. Compact Video Systems was a television production and manufacturing company and is credited with such programs as The Don Ho Show and Richard Pryor: Live in Concert. The acquisition spawned a period of new product development. During this interval, foundations were laid for further growth and a dealer network was developed. Accounting, manufacturing, engineering, and documentation systems were put into place to support rapid growth and improved product and service quality.

During the period of 1979 to 1989, RTS Systems' products had become a standard for the television industry. The major television networks incorporated RTS Systems products. In addition, RTS Systems products became the standard for mobile units.

THE SUPER SYSTEM



As a professional, you know how fatiguing it is trying to communicate through a haze of hiss, pop, and sizzle common to other "intercoms."

RTS SYSTEMS introduces the first significant improvement in television intercom systems—incorporating unique circuitry to provide a hi-fi intercom using just two wires for operation of up to fifty units. Other features include built-in mic level limiter, flashing signal lite, auxiliary audio input, powerful two watt headphone amp, beltback with two channels standard, rackmount with three channels standard, and adjustable side tone.

The RTS SYSTEM is compatible with carbon or dynamic mic headsets, and is completely field serviceable and packaged to provide super reliability under the toughest conditions.



The RTS SYSTEMS two wire intercom system...in every way a precision hi-performance device designed to meet stringent requirements.

January, 1976

In 1989 Telex Communications, Incorporated (TCI) bought RTS Systems and a new growth period began. This growth included improvements in manufacturing efficiency, a strengthened sales organization, and an advance in manufacturing technology (surface-mount circuitry, plastics molding and tooling resources). In addition, in 1989 the company won an Emmy award for Outstanding Achievement in Engineering Development in recognition of their engineering contribution and development of professional two wire intercommunications systems for use in television production and broadcast operations.

Telex Communications, Inc. has been in the communications business for over 50 years. They started with hearing aids in the 1930's, headsets in the 1940's, intercom systems for business applications in the 1950's and the line of Audiocom® party-line intercoms beginning in the early 1980's. Telex® also manufactures a line of two-wire and four-wire compatible wireless intercoms under the name RadioCom™.

In 1990, Telex® made a second strategic acquisition and acquired the exclusive manufacturing rights to the McCurdy line of matrix intercoms to complement the series of party-line intercoms already manufactured under the RTS and Telex® Audiocom® names. In the 1940's, McCurdy Radio Industries of Canada began manufacturing intercom systems and in the mid 1970's introduced a solid-state intercom matrix called the 9100. Upon acquiring the line of matrix intercoms from McCurdy Radio, Telex® started to extend and improve its product portfolio. Since the RTS brand name was well known in the broadcast market, the new digital matrix products were branded RTS, as well.

On September 8, 2005, RTS® officially became a registered trademark of Telex Communications, Inc.

In September 2006, Bosch Security Systems Worldwide, a division of The Bosch Group, bought Telex Communications, Inc. and formed Bosch Communications Systems. The acquisition brings the well-known Bosch quality standards to RTS® through streamlined and modernized processes, as well as a renewed commitment to research and development.



RTS® Intercom Series

Innovating the Future of Communications



RKP-4

Wireless Intelligent Matrix Keypanel

- UHF Frequency-Agile
- Digital Encryption
- Rugged Cast Magnesium Beltpack



CRONUS

DSP Matrix Intercom

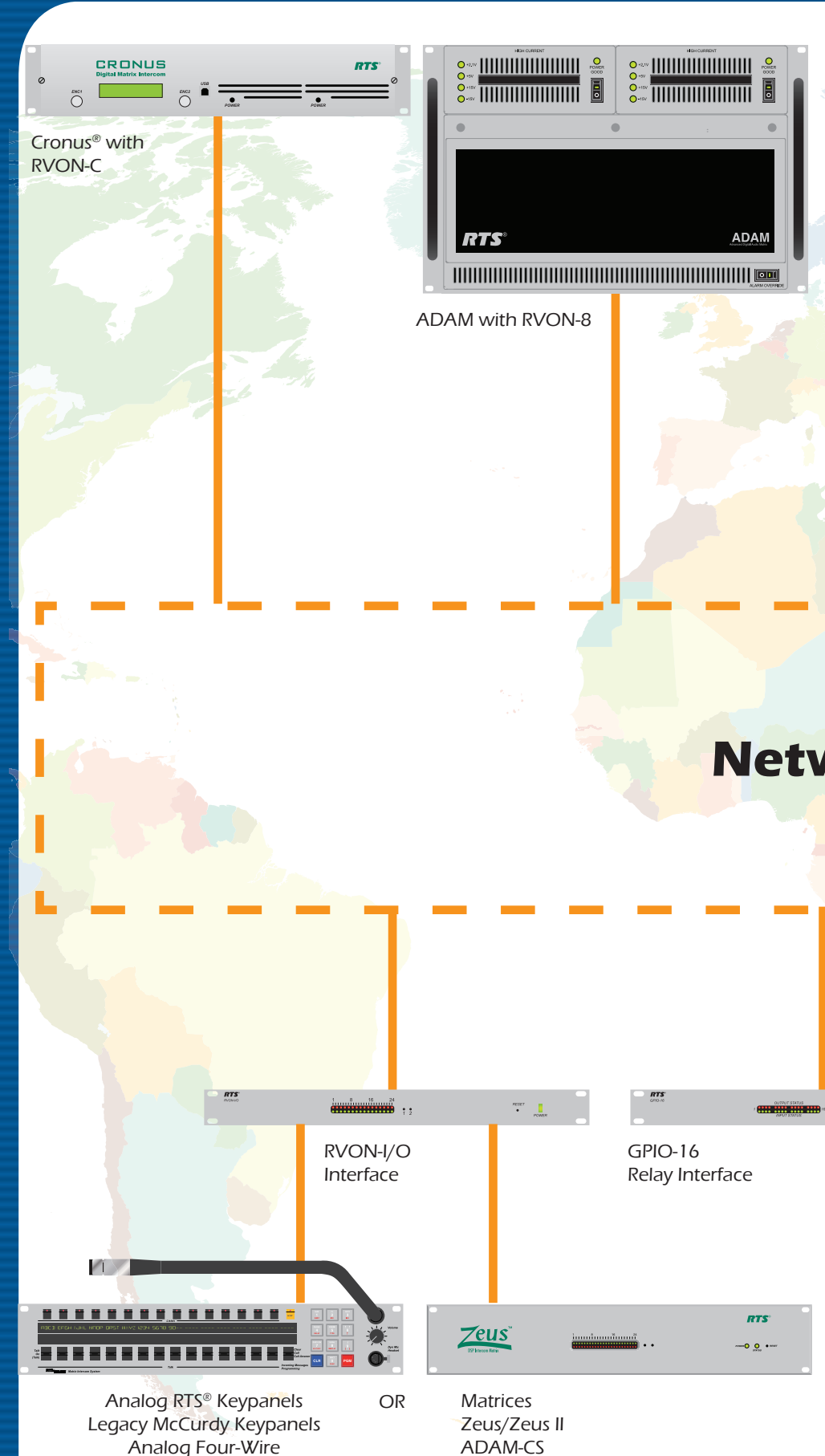
- RVON-C VoIP Option Card
- Up to four units can be linked
- Modular Architecture

In Broadcast,
every moment is critical.
You need an intercom system
that is up to the challenge.

Bosch Communications Systems | Telex Communications, Inc. | 12000 Portland Avenue South | Burnsville, Minnesota 55337 | Phone: 1-877-883-4169 | Fax: 1-800-955-6831 | www.telexintercoms.com

Worldwide Connectivity

RTS® is in the business of connecting people all over the world. Whether it is across the hall or across an ocean, RTS® provides the bridge in between to get your message heard clearly and reliably. Here is a diagram showing a typical RTS® Digital Matrix VoIP setup. This sample configuration can be customized and scaled to accommodate customers of all sizes.





KP-32 with RVON-1

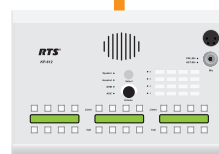


VoIP
Virtual Keypanel
on PC

work



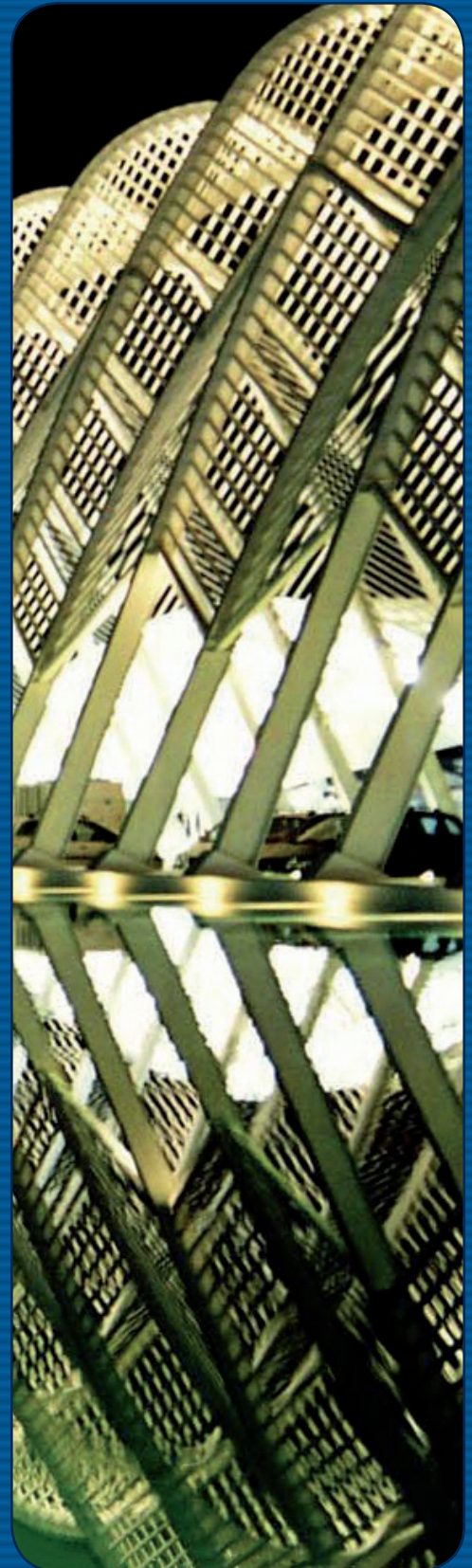
KP 612 | KP 412 with RVON



DKP 612 | DKP 412
with RVON

ON AIR

External Device

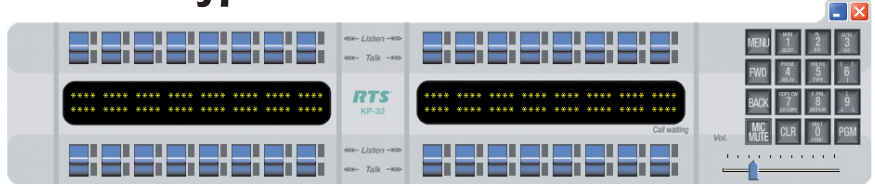


Voice over IP

The RTS® RVON (RTS® Voice Over Network) series allows the full integration of our intercom system into your existing data network. It also allows you to create an independent network for your RVON equipment. Our devices are fully IP-compliant with current VoIP standards. All RTS® RVON series devices can be monitored via SNMP. The RVON product family supports ancillary data control for use with RTS® Intelligent Trunking. These products enable Trunking over IP for local to worldwide connectivity. RVON components integrate seamlessly with existing RTS® intercom systems for worry-free expansion.



VKP Virtual Keypanel



OS	Sound Card	Peripherals	Connections	Protocols
Windows 2000® or XP	Must be detected as an audio device	Microphone Speaker/Headset	Ethernet	G.711 G.723 G.729

The RTS® VoIP Virtual Keypanel (VKP) is a Windows®-based application that allows any user to have a fully functioning RTS® Digital Matrix Intercom user station on their PC. The Virtual Keypanel application connects via the PC's ethernet connection to any path that can support standard IP protocols, including LAN, WAN, and VPN. The RTS® virtual keypanel application is compatible with any RTS® Digital Matrix Intercom equipped with the RVON interface. The Virtual Keypanel brings a new level of enterprise-wide and remote access to your RTS® Digital Matrix Intercom system.

RVON-8 8-Port VoIP via Ethernet Card Kit for ADAM



Height	Width	Depth	Weight	Color
0.88" (2.22 cm)	5.69" (14.55 cm)	11.02" (27.99 cm)	1 lbs (0.45 kg)	Grey

Installed directly into the ADAM intercom frame, the RVON-8 provides Voice over IP (Internet Protocol) communications for the RTS® ADAM intercom family. In general, Voice over IP means sending voice information in digital form using discrete packets rather than the traditional telephone network. The RVON-8 delivers an integrated solution for connecting custom keypanels to the intercom matrix over standard IP networks by supporting eight channels (ports) of audio in and out. An additional data channel is provided for trunk data.

RVON-C 8-Port VoIP via Ethernet Card Kit for Cronus®

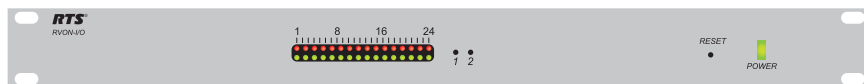


Height	Width	Depth	Weight	Color
0.88" (2.22 cm)	8¼" (20.96 cm)	6¼" (15.88 cm)	0.41 lbs (0.19 kg)	Grey

The RVON-C Voice over IP card introduces all the VoIP functionality of the RVON-8 for ADAM, to the Cronus® intercom system. The RVON-C converts analog audio to digital VoIP audio. Installed directly into Cronus®, the RVON-C expands the connectivity to the Cronus® intercom system by supporting eight channels in and out. You can have up to four RVON-C cards in Cronus® at one time totaling 32 channels of VoIP audio plus data.

RVON-I/O

Stand-Alone 8-Port VoIP Interface for Matrices, Keypanels, Four-Wire Devices, & Trunking

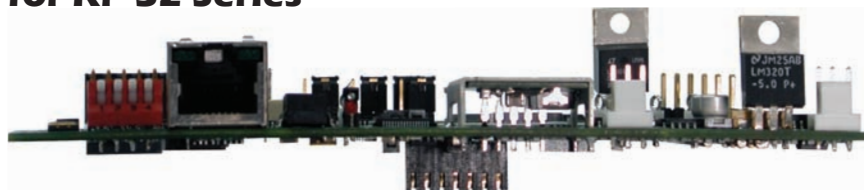


Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	19" (48.26 cm)	8" (20.32 cm)	3.7 lbs (1.67 kg)	Grey

Coupled with the same VoIP technology used with the RVON-8, the RVON-I/O converts analog audio and data to digital VoIP. By being able, to convert analog audio and data systems to digital VoIP, the RVON-I/O expands the boundaries of digital audio to include analog.

RVON-1

Single-Port VoIP via Ethernet Keypanel Interface Option Card Kit without Rear Panel for KP-32 Series



Height	Width	Depth	Weight	Color
1.35" (3.42 cm)	2½" (6.35 cm)	5¾" (14.61 cm)	0.21 lbs (0.09 kg)	N/A

Installed directly into KP-32 or KP-x12 keypanels, the RVON-1 provides Voice over IP (Internet Protocol) communications for the RTS® ADAM intercom family. In general, Voice over IP means sending voice information in digital form using discrete packets rather than the traditional hardwire connection. The RVON-1 delivers an integrated solution for connecting keypanels to the intercom matrix over standard IP networks.

GPIO-16

General Purpose Input/Output Interface



Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	19" (48.26 cm)	8" (20.22 cm)	3.88 lbs (1.76 kg)	Grey

Each GPIO-16 interface provides 16 opto-isolated inputs and 16 relay outputs. The GPI inputs can be set up to remotely controlled keypanel keys to activate intercom ports, party lines, relay outputs, etc. within the intercom system. The relay outputs are typically assigned for activation from keypanel keys. They can be used to control lighting or to key remote transmitters, paging systems, etc. Relays can be assigned to keys via the AZedit intercom configuration software. The GPIO-16 now supports two communication modes: RS-485 serial and ethernet.



Advanced Digital Audio Matrices

The RTS® family of digital intercom matrices is the most extensive, most widely used, and most “obsolescence-proof” line of intercoms in the world today. From the “top-of-the-line” ADAM matrix, available in sizes from 8 to 1,000+ users, to the original Zeus 24-port matrix, RTS® matrices are the standard for reliable, mission-critical communications in broadcast, military, industrial and entertainment applications.



ADAM Advanced Digital Audio Matrix

Height	Width	Depth	Weight (Frame+2PSU's)	Color
12¼" (31.12 cm)	19" (48.26 cm)	20" (50.8 cm)	44.75 lbs (20.3 kg)	Grey

The RTS® family of digital intercom matrices is the most extensive, most widely used, most scalable, and most backwards compatible line of intercoms in the world today. The newly-updated high-end ADAM matrix supports 8 to 1000+ users per system; 272 ports possible in just a 7 RU frame.

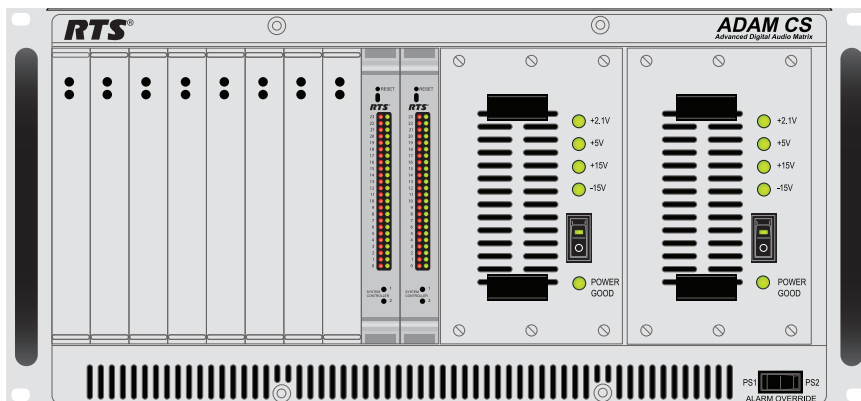
Utilizing a patented Time Division Multiplex (TDM) technique, the ADAM grows linearly as users are added; the system comes standard with newly-redesigned redundant power supplies, and the new redundant ethernet master controllers, MCII-e, allowing for automatic changeover in the event of failure.

ADAM is available with the widest variety of interface cards in the industry, which includes the AIO-16, AES-3, and RVON-8 VoIP interfaces. It also has a wide variety of cabling options, including RJ-11, DB-9, jack fields, and many others.

With its NEW second generation controller card, it allows ethernet connectivity between the ADAM intercom and a PC running AZedit, and it can support 32 simultaneous AZedit sessions.



ADAM-CS Compact Advanced Digital Audio Matrix

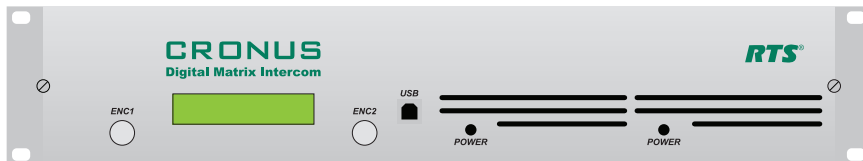


Height	Width	Depth	Weight (Frame+2PSU's)	Color
8.66" (22 cm)	19" (48.26 cm)	20" (50.8 cm)	37.64 lbs (17.07 kg)	Grey

Just like its “big brother”, ADAM-CS comes standard with redundant power supplies, controllers and all of the features of the full ADAM. Providing up to 64 ports in just 5 RU of space, ADAM-CS provides a cost-effective solution, where space is critical, and reliability and performance can NOT be compromised.

Digital Matrix Intercom Systems

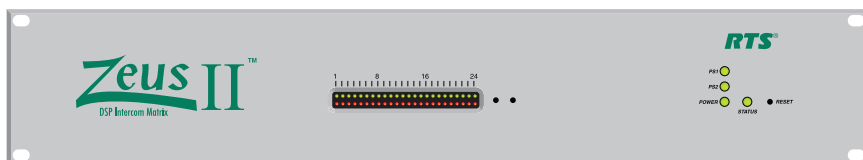
Cronus® DSP Matrix Intercom



Height	Width	Depth	Weight (Frame+2PSU's)	Color
3½" (8.89 cm)	19" (48.26 cm)	14" (35.56 cm)	14.15 lbs (6.41 kg)	Grey

RTS® Cronus® intercom is a modular 32-port digital matrix intercom in 2 RU (rack units) that can hold up to four cards with eight ports each. Based upon an advanced DSP architecture, Cronus® intercom has the ability to link up to four units into a single 128-port matrix. Using standard video coaxial cable, the maximum distance between the first and last Cronus® intercom system can be 300 feet, and still appear as a single matrix. However, when using the fiber option card, the distance is increased up to 15 kilometers nominally. When connected as a single matrix, the individual Cronus® intercom controls remains autonomous and independent at each matrix for the highest reliability.

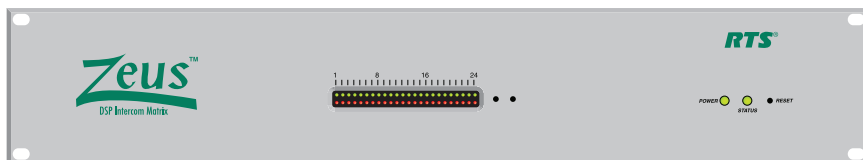
Zeus II Trunking-Capable Digital Matrix Intercom System



Height	Width	Depth	Weight	Color
3½" (8.89 cm)	19" (48.26 cm)	17" (43.18 cm)	10.68 lbs (4.84 kg)	Grey

You need the capabilities, redundancy and programmability of a full-featured, top-of-the-line digital matrix intercom system, but have limited space in which to add the equipment. You also need to be able to expand the intercom system as your communications needs grow.

Zeus Digital Matrix Intercom System



Height	Width	Depth	Weight	Color
3½" (8.89 cm)	19" (48.26 cm)	17" (43.18 cm)	6 lbs (4.84 kg)	Grey

The Zeus DSP matrix intercom system not only provides superior performance and reliability for all your communications needs, but can also function as the heart of a complete audio mixing/routing and control systems for many facilities.



ADAM Subassemblies

The RTS® family of digital intercom matrices is the most extensive, most widely used, and most "obsolescence-proof" line of intercoms in the world today. From the "top-of-the-line" ADAM matrix, available in sizes from 8 to 1,000+ users, to the original Zeus 24-port matrix, RTS® matrices are the standard for reliable, mission-critical communications in broadcast, military, industrial and entertainment applications.



MCII-e

Ethernet Master Controller Card Kit for ADAM



Height	Width	Depth	Weight	Color
0.88" (2.22 cm)	5.69" (14.45 cm)	11.02" (28 cm)	0.46 lbs (0.20 kg)	Grey

The RTS® MCII-e system controller card is the third generation controller for the ADAM intercom system. Designed to replace the ADAM-MC, it adds a number of key features. Adding ethernet connectivity between the ADAM intercom and a PC running AZedit configuration software, the new controller can support up to 35 simultaneous AZedit sessions (32 using ethernet and up to 3 using serial ports). Using a pair of MCII-e controller cards will provide full redundancy with seamless automatic changeover upon failure. The speed of ethernet, combined with expanded memory, allows the card to fully support large matrices with reduced setup file download time. As with all ADAM intercom family products, the MCII-e card supports all standard, hot-swappable, and configurable features through the AZedit configuration software. It is fully compatible with existing ADAM systems and cards, including AIO-8, AIO-16, AES- 3, and RVON VoIP interfaces. The MCII-e also supports SNMP, the IETF standard protocol for monitoring network-attached devices.

AIO-16

16-Port Analog I/O Card for ADAM



Height	Width	Depth	Weight	Color
0.88" (2.22 cm)	5.69" (14.45 cm)	11.88" (30.16 cm)	0.68 lbs (0.31 kg)	Grey

Installed directly into the ADAM matrix intercom system, the AIO-16 card gives 16 ports of audio IN and OUT plus individual data for each card installed (up to 17 cards) in the system. This doubles the amount of audio ports available from its predecessor the AIO-8. The AIO-16 is hot swappable, allowing the user to insert the card and begin using it instantaneously. The AIO-16 eliminates the need to manually set keypanel addresses on the back of the unit by enabling automated unique addressing, which greatly reduces the setup time. Once inserted into the system, it uses its "smart card" capability to see the backcard configuration and switches its keypanel communication protocol accordingly.

DBX

Dual-Bus Expander Card Kit for ADAM



Height	Width	Depth	Weight	Color
0.88" (2.22 cm)	5.69" (14.45 cm)	11 3/4" (29.85 cm)	0.86 lbs (0.39 kg)	Grey

The DBX cards link multiple ADAM frames together and allow them to appear as one frame in a given system. This makes it possible to increase the number of available users on a system by transparently integrating additional frames.

AES-3

Digital Audio Interface Card Kit for ADAM

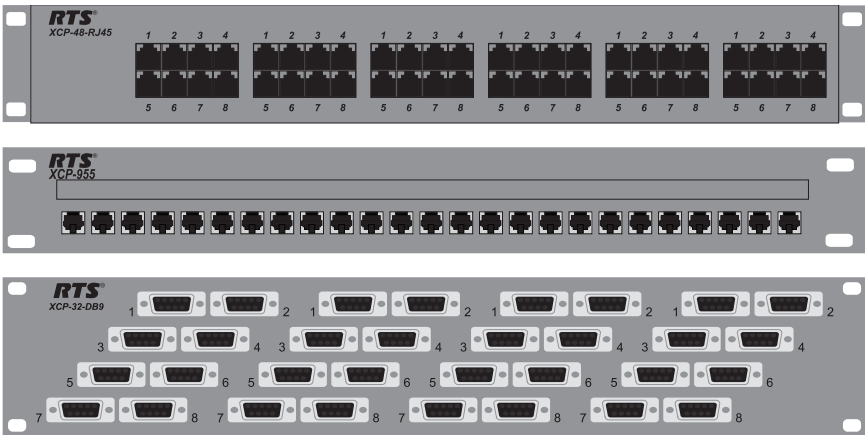


Height	Width	Depth	Weight	Color
0.88" (2.22 cm)	5.69" (14.45 cm)	8.625" (x cm)	0.56 lbs (0.25 kg)	Grey

The AES-3 digital audio interface card expands the connectivity to the ADAM intercom by supporting AES-3 over coaxial cable. It supports eight audio channels through eight AES-3 connections. The AES-3 card provides connectivity to any other third party AES-3 audio device. It supports all standard hot swappable and configurable features within the ADAM intercom family. This card supports incoming sample rates from 16 kHz to 108 kHz with 24-bit audio. Outputs are compatible with all AES-3 recommended procedures. Along with the newly introduced RVON-8 VoIP card, the RTS® ADAM intercom systems now natively support analog, AES-3 digital and VoIP signal formats.

XCP

ADAM Breakout Panels



Panel	Frame	Backcard	Connectors
XCP-955	ADAM		(25x) RJ-11
XCP-954-48	ADAM		(25x) DB-9
XCP-32-DB9	ADAM & Cronus®	MDR	(32x) DB-9
XCP-16-DB9-T	Cronus®	MDR	(16x) DB-9
XCP-48-RJ45	Cronus®	MDR	(48x) RJ-45
XCP-48-Telco	Cronus®	MDR	(48x) Telco™
XCP-40-DB9	ADAM	SCSI	(40x) DB-9
XCP-40-RJ12	ADAM	SCSI	(40x) RJ-12
XCP-24	ADAM	SCSI	(24x) Telco™
XCP-24-USOC	ADAM	SCSI	(24x) Telco™
XCP-ADAM-MC	ADAM		

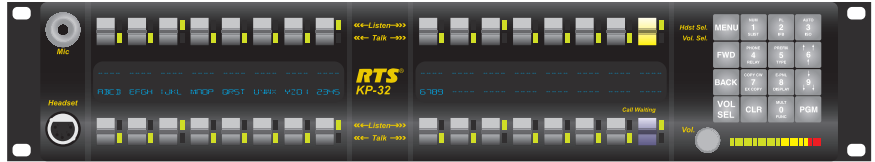


KP-32 DSP Keypanel Series

The RTS® KP-32 family of user stations offers an unbeatable match of features, options, and performance. Now available in four-six- and eight-character models, RTS® is the only intercom manufacturer to give YOU the choice of any or ALL of these standards. KP-32 panels feature contemporary styling and extensive programmability for unprecedented function and performance. Each of the models is 2 RU high by less than 4" deep behind the rack. The KP-32 family of DSP keypanels provide all the functionality of the KP-96 and KP-12 series, and adds significant features such as DSP processing for mixing and audio control. Depending on the model selected, the keypanel may provide from 16 to 32 keys, with four-six- or eight-character alphanumeric displays on bright fluorescent or high-contrast LCD backlit displays. All displays are dimmable, providing excellent visibility, whether in darkened control room, or broad daylight.



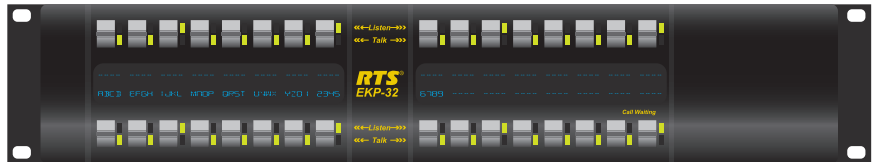
KP-32 32-Position Keypanel



Height	Width	Depth	Weight	Color
3" (7.62 cm)	19" (48.26 cm)	3½" (9 cm)	4.36 lbs (1.98 kg)	Black or Grey

The RTS® model KP-32 keypanel fits in a standard 19" rack and is two rack spaces high. It has 32 lever keys: 30 keys are for intercom talk/listen assignment; one key is for call waiting response; and one key is for headset/microphone/program selection and volume setup. The KP-32 combines all of the programmable features of the KP-9X series keypanels and the KP-12 keypanel. It adds significant new features such as digital signal processing and binaural headset operation with left/right assignment of audio signals. The KP-32 also introduces large, super-bright, long-life fluorescent displays with adjustable brightness control, making it suitable for all types of ambient lighting from direct sunlight to darkness. The KP-32-RC audio and GPI option board is available for KP-32 series keypanels

EKP-32 32-Position Expansion Panel



Height	Width	Depth	Weight	Color
3" (7.62 cm)	19" (48.26 cm)	3½" (9 cm)	2.81 lbs (1.27 kg)	Black or Grey

Expansion panel for KP-32 series rackmount keypanels. Adds 32 keys to the KP-32 intercom keypanel. One expansion panel per KP-32 can be added, giving a total of 64 keys.

KP-32/16 16-Position Keypanel

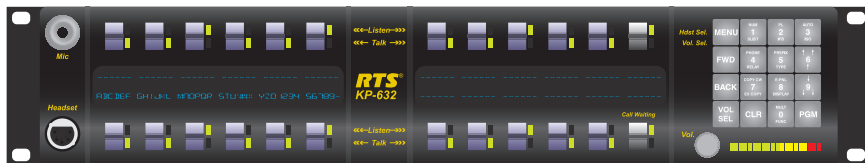


Height	Width	Depth	Weight	Color
3" (7.62 cm)	19" (48.26 cm)	3½" (9 cm)	3.85 lbs (1.75 kg)	Black or Grey

All the functionality of the KP-32 with 14 individually assignable keys for a simplified, lower cost option where 32 keys are not required.

KP-632

24-Position Keypanel



Height	Width	Depth	Weight	Color
3" (7.62 cm)	19" (48.26 cm)	3½" (9 cm)	2.76 lbs (1.25 kg)	Black or Grey

The power and flexibility of the original KP-32 with enhanced contrast LCD display supporting individually assignable keys with six-character alphanumeric for increased naming options.

KP-832

20-Position Keypanel



Height	Width	Depth	Weight	Color
3" (7.62 cm)	19" (48.26 cm)	3½" (9 cm)	4.07 lbs (1.85 kg)	Black or Grey

The power and flexibility of the original KP-32 with enhanced contrast LCD display supporting individually assignable keys with eight-character alphanumeric for the ultimate in naming options.

LCP-32/16

16-Position Level Control Panel



Height	Width	Depth	Weight	Color
1¾" (4.45 cm)	19" (48.26 cm)	1¾" (4.5 cm)	3 lbs (1.36 kg)	Black or Grey

Level control panel providing direct "knob access" to individual cross-point level controls for operator convenience. The LCP-32/16 is available for use with KP-32, and KP-32/16 keypanels and expansion panels.

KP-32 GPI

GPIO Option Board for KP-32



Provides connectors for two line-level audio inputs, an unswitched, balanced microphone preamplifier output, an external headset, an external speaker output, and a foot switch input. Also includes a General Purpose Input / Output (GPIO), with four opto-isolated inputs, two open-collector outputs, and two SPDT relay outputs. Inputs can activate single keys and groups of keys. Outputs can activate external devices from keypanel keys or from GPI inputs. Available factory installed or as an add-on kit.



KP-x12

12-Position Keypanel Series

The RTS® KP 612 and KP 412 is a 12-position keypanel available in pushbutton or lever key versions. It fits in a standard 19" rack and is one rack space high. In addition, desktop versions are available. The KP 612 and KP 412 feature two encoders. One encoder is used for headset, microphone, auxiliary input, and matrix in volume adjustment. The other encoder knob is used for menu selection. The KP 612 and KP 412 keypanels have a numerical keypad including: Mic Mute, User Assignable button, Page Up, and Page Down keys. The KP 612 and KP 412 faceplates are made of pressed aluminum/metal. The keypanels feature state-of-the-art audio processors and drivers. The KP 612 features a six-character display, and the KP 412 features a four-character display. The keypanels are available with RVON boards to connect to RTS® Voice-Over Network.



KP 612 & KP 412

12-Position Rackmount Keypanel



Lever Key



Pushbutton

Height	Width	Depth	Weight	Color
1¾" (4.45 cm)	19" (48.26 cm)	7½" (19.1 cm)	3.7 lbs (1.68 kg)	Black, Grey, or Nickel

The RTS® KP 612 & KP 412 are 12-position keypanels available in pushbutton or lever key versions. They fit in a standard 19" rack and are one rack space high each. In addition, desktop versions are available.

In addition, there are two encoders. One encoder is used for headset, microphone, auxiliary input, and matrix in volume adjustment. The other encoder knob is used for menu selection. The KP 612 & KP 412 keypanels have a standard numerical keypad with four extra keys: Mic Mute, User Assignable, Page Up, and Page Down.

The KP 612 & KP 412 keypanels are made of pressed aluminum/metal and feature state-of-the-art audio processors and drivers. The KP 612 features a six-character display, and the KP 412 features a four-character display.

Optional RVON cards are available to connect to RTS® Voice-Over Network.

EKP 612 & EKP 412

12-Position Rackmount Expansion Panel



Lever Key



Pushbutton

Height	Width	Depth	Weight	Color
1¾" (4.45 cm)	19" (48.26 cm)	7½" (19.1 cm)	3.7 lbs (1.68 kg)	Black, Grey, or Nickel

Expansion panel for KP x12 series rackmount keypanels. Adds 12 or 20 keys to the intercom station. Available in pushbutton and lever key versions.

EKP 612-16 & EKP 412-16

16-Position Rackmount Expansion Panel



Lever Key



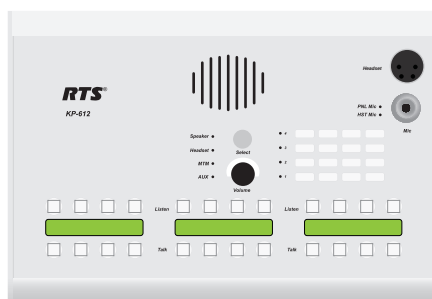
Pushbutton

DKP 612

12-Position Desktop Keypanel

Height	Width	Depth	Weight	Color
3.1" (7.87 cm)	11.3" (28.7 cm)	7" (19.4 cm)	4.17 lbs (1.89 kg)	Black, Grey, or Nickel

The RTS® DKP 612 is a 12-position desktop keypanel available in pushbutton or lever key versions. It has two encoders; one encoder is used for headset, microphone, auxiliary input, and matrix in volume adjustment. The other encoder knob is used for menu selection. The DKP 612 keypanel has a standard numerical keypad with four extra keys: Mic Mute, User Assignable, Page Up, and Page Down. Optional RVON cards are available to connect to RTS® Voice-Over Network.

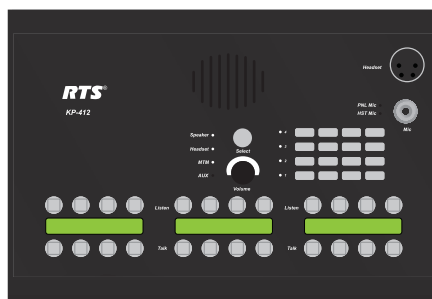


DKP 412

12-Position Desktop Keypanel

Height	Width	Depth	Weight	Color
3.1" (7.87 cm)	11.3" (28.7 cm)	7" (19.4 cm)	4.17 lbs (1.89 kg)	Black, Grey, or Nickel

The RTS® DKP 412 is a 12-position desktop keypanel available in pushbutton or lever key versions. It has two encoders; one encoder is used for headset, microphone, auxiliary input, and matrix in volume adjustment. The other encoder knob is used for menu selection. Optional RVON cards are available to connect to RTS® Voice-Over Network.

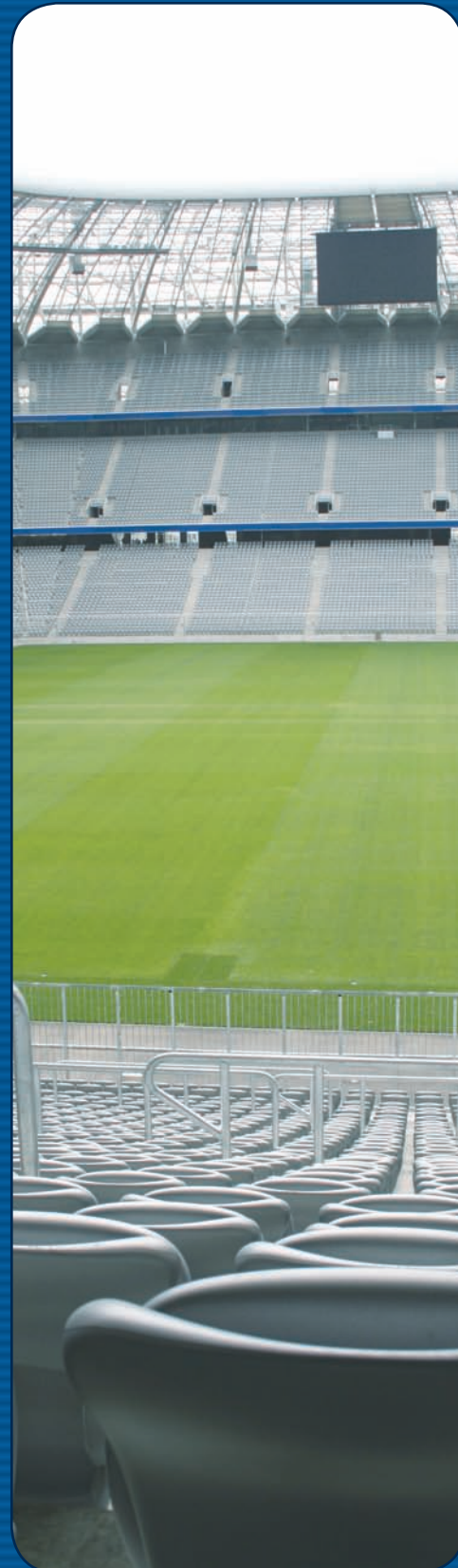
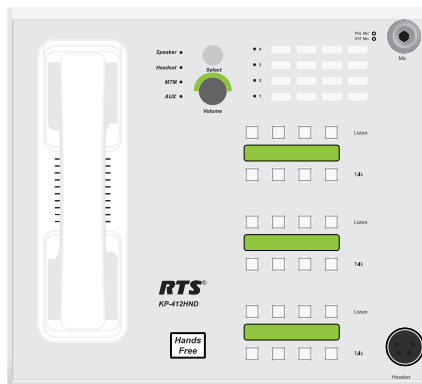


DKP 412HND

12-Position Handset Keypanel

Height	Width	Depth	Weight	Color
3¾" (9.53 cm)	11.3" (28.7 cm)	7" (19.4 cm)	6.45 lbs (2.93 kg)	Black, Grey, or Nickel

The RTS® DKP 412HND is a 12-position desktop keypanel with a telephone-style handset. It has two encoders; one encoder is used for headset, microphone, auxiliary input, and matrix in volume adjustment. The other encoder knob is used for menu selection. Optional RVON cards are available to connect to RTS® Voice-Over Network.



KP-12

Modular Keypanel Series

The RTS® KP-12 modular series of keypanels represents the ultimate in compact, fully-programmable user stations. Based on a common set of internal modules (modules also available separately for custom designs) the KP-12 series have a common set of very powerful features, which make them attractive in mobile applications and in other situations where space is at a premium. Available in lever key and pushbutton versions, the basic KP-12 provides a menu driven, fully-programmable 12 key user station in a single rack unit of space. Expansion panels and level control panels round out the offerings in the rackmount form factor. Desktop and Tektronix® WFM ½ x 3 RU form factor units are also available.



KP-12

12-Position Keypanel



Height	Width	Depth	Weight	Color
1¾" (4.45 cm)	19" (48.26 cm)	5½" (14 cm)	2.77 lbs (1.26 kg)	Black or Grey

One RU keypanel with twelve keys plus call-waiting window with display. Perfect for installations where space is an issue. Only 5½" deep (less connectors), allowing easy console mounting. Available with optional MCP-90 series gooseneck microphones. Available in both lever key and pushbutton versions. Available rear panel options include GPI and audio option boards.

EKP-20

20-Position Expansion Panel



Height	Width	Depth	Weight	Color
1¾" (4.45 cm)	19" (48.26 cm)	6.625" (16.83 cm)	2.32 lbs (1.05 kg)	Black or Grey

Expansion panels for KP-12 series rackmount keypanels. Adds 20 keys to the intercom station; up to two panels can be added per station, giving a total of 32 keys in 2 RU, or 52 keys in 3 RU. Available in both lever key and pushbutton versions.

LCP-12 & LCP-20

Level Control Panels



Height	Width	Depth	Weight	Color
1¾" (4.45 cm)	19" (48.26 cm)	6.625" (16.83 cm)	3 lbs (1.36 kg)	Black or Grey

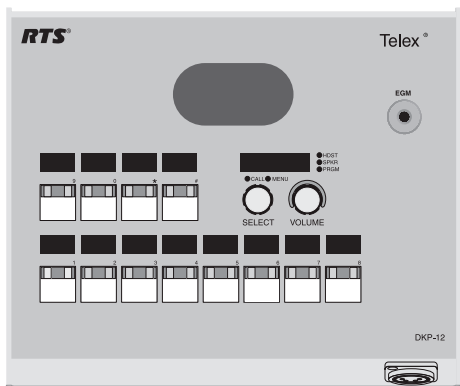
Level control panels for KP-12 series of rackmount keypanels and EKP series of expansion panels. Available with 12 or 20 level controls in a single RU. Provide individual cross-point level adjustments, with corresponding level displayed on keypanel LEDs.

DKP

8- or 12-Position Desktop Keypanel

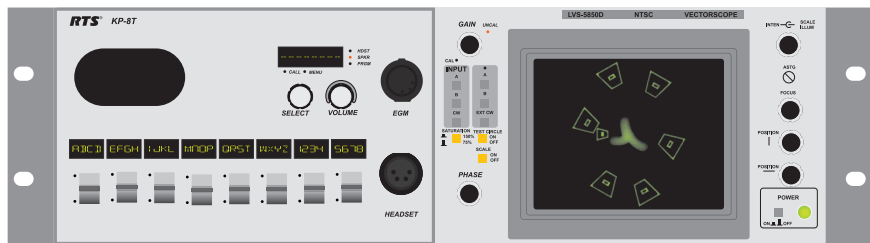
Height	Width	Depth	Weight	Color
3.68" (9.36 cm)	9.15" (23.25 cm)	7.09" (18 cm)	2.55 lbs (1.16 kg)	Grey

The RTS® model DKP keypanels are similar to the model KP-12 keypanel, but are designed for desktop applications that do not require any optional external connections, such as external program source, external headset, mic output, or external control input/output. In addition, they are not intended for use with expansion panels. The DKP can have eight or twelve assignable talk/listen intercom keys with four-character alphanumeric displays. Available in both lever key and pushbutton versions.



KP-8T

Keypanel for Tektronix® WFM Mounting



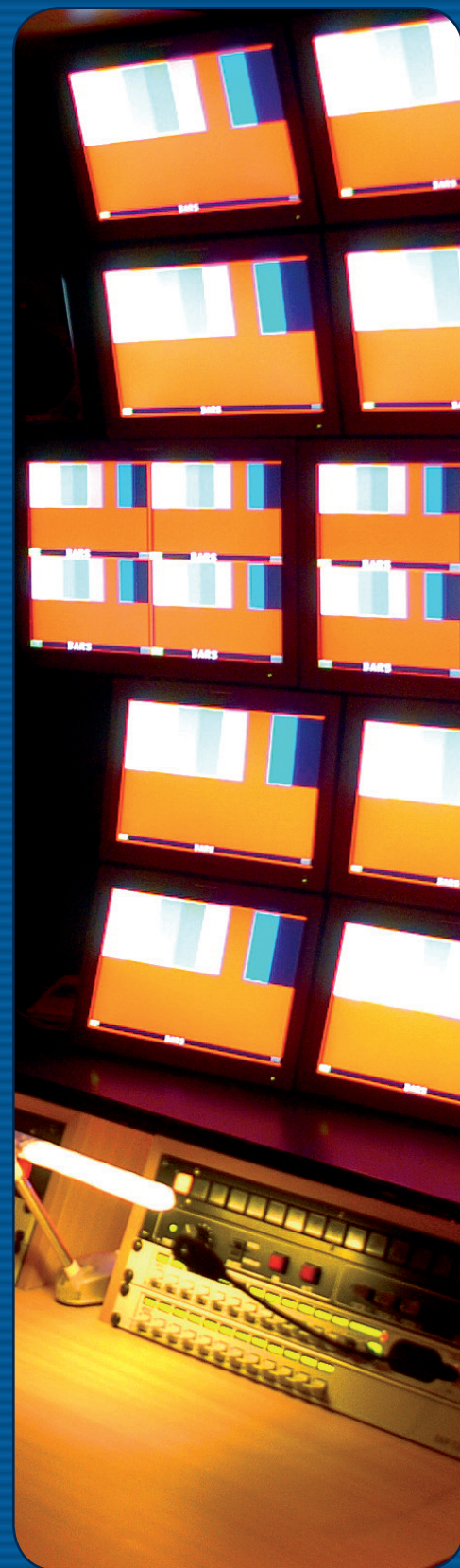
Height	Width	Depth	Weight	Color
5.22" (13.25 cm)	19" (48.26 cm)	9" (22.86 cm)	10.9 lbs (4.94 kg)	Grey

Eight-position keypanel in Tektronix® WFM form factor (½ RU wide by 3 RU high). Includes mounting bezel and universal 100-240 VAC 50/60Hz power supply. Same general specifications as the DKP series of panels. Perfect for Director, TD, and video consoles.

KP-12SP

KP-12 Circuit Kit

The extremely compact modular circuit boards used in the KP-12 line of products are available in kits including the circuit boards; interconnect wiring, switches, etc. for those applications where a custom enclosure or mounting is required. Please contact RTS® for further technical information.



Value Keypanel Series

The RTS® value keypanel series is ideal where simplicity of operation and cost are of primary importance. The keypanels share a common set of features across the entire family. The alphanumeric call waiting window is used for scrollable access to all ports, PLs, ISOs, IFBs, etc. and to check and make key assignments. Keys may be assigned to any intercom function including talk, listen, talk/listen, relay, PL, ISO, IFB, and SL. All models use the optional RTS® MCP-90 series gooseneck microphones. These keypanels are ideal for use with the RTS® Zeus and Zeus II intercom matrices, but (like all RTS® Digital Matrix Intercom keypanels) are compatible with all RTS® matrices past and present, including the CS-9500, CS-9600, CS-9700, ADAM, and ADAM-CS.



MKP-12

12-Position Value Series

Rackmount/Desktop Keypanel



Height	Width	Depth	Weight	Color
1¾" (4.45 cm)	19" (48.26 cm)	8" (20.3 cm)	3.3 lbs (1.5 kg)	Black or Grey

The MKP-12 keypanel can be rack mounted or used on a tabletop. It is ideal for users who want full access to the most commonly used keypanel features, and who generally communicate with twelve or less locations in the intercom system at any given time. At the same time, it features a simple, intuitive user interface, which lets the keypanel operator quickly change the key assignments if needed. The MKP-12 shares the same functionality and ease of use as the MKP-4.

MKP-4

4-Position Value Series

Rackmount/Desktop Keypanel



Height	Width	Depth	Weight	Color
1¾" (4.45 cm)	8" (20.3 cm)	8" (20.3 cm)	2.3 lbs (1.04 kg)	Grey

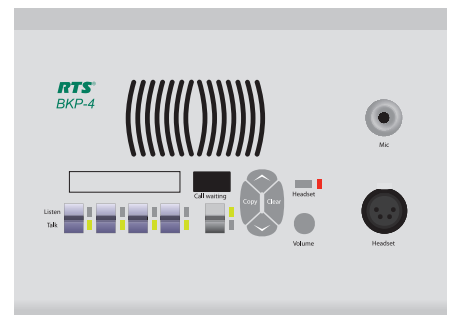
The MKP-4 is the "baby brother" of the MKP-12, providing four fully programmable talk/Listen keys and headset operation, the MKP-4 keypanel is perfect for installation tight on space or budget. In the RTS® ½ rack format, the MKP-4 can be mounted alongside any of the wide variety of RTS® intercom accessories.

BKP-4

4-Position Value Series Desktop Keypanel

Height	Width	Depth	Weight	Color
4" (11.7 cm)	9" (22.9 cm)	7" (17.8 cm)	2.17 lbs (0.77 kg)	Grey

The BKP-4 is ideal for desktop use or in any application where portability is important. The unit includes a built-in speaker and is housed in an extremely rugged aluminum enclosure. Power is provided by a built-in universal power supply for operation from 100-240 VAC.

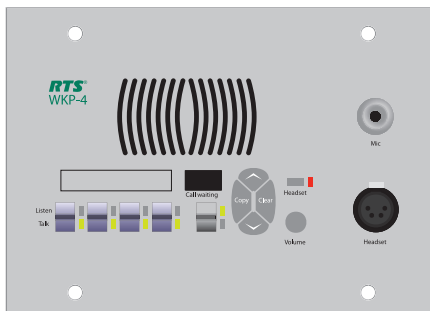


WKP-4

4-Position Value Series Wall Keypad

Height	Width	Depth	Weight	Color
6½" (16.5 cm)	9" (22.9 cm)	3" (7.6 cm)	1.42 lbs (0.64 kg)	Grey

The WKP-4 is designed for wall-mounted applications. Perfect for use in commercial sound and industrial settings, the WKP-4 is compatible with the Telex® U-Series flush mount box. Flush mounting into consoles, custom enclosures and walls is a snap. The least expensive of the value series keypanels, the WKP-4 requires 15-24 VDC at 1 amp.

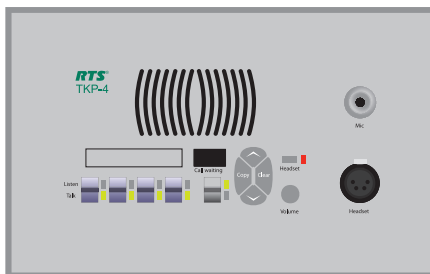


TKP-4

4-Position Keypanel for Tektronix® WFM Mounting

Height	Width	Depth	Weight	Color
5" (1.32 cm)	8.38" (2.13 cm)	3½" (8.3 cm)	1.84 lbs (0.83 kg)	Grey

The TKP-4 is ideal for installation in small broadcast facilities, owing to its ½ x 3 RU form factor, compatible with Tektronix® and other WFM/vectorscope products. Provided with a pressure fit front bezel and universal 100-240 VAC power supply, the unit is perfect for TD consoles, equipment racks, camera control positions, anywhere an empty "slot" is available in a WFM rack assembly.

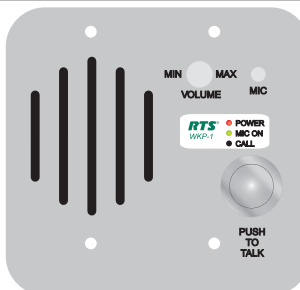


WKP-1

1-Position Value Series Wall Keypanel

Height	Width	Depth	Weight	Color
4.56" (11.59 cm)	4.56" (11.59 cm)	2.69" (6.83 cm)	0.66 lbs (0.3 kg)	Grey

The WKP-1 keypanel is the industrial keypanel from Telex®. Telex® has refined the look of multi-location security with this keypanel. It offers simplified operation and integrates seamlessly with RTS® Digital Matrix Intercom systems (RTS® ADAM/Zeus intercom systems). The physical size and weather-resistant design provides a flexible and robust intercom system. The GPI relay switch lets the user set up door latching, unlatching and other related actions by pressing a single button from any panel in the system. The WKP-1 fits in a US dual-gang electrical box.

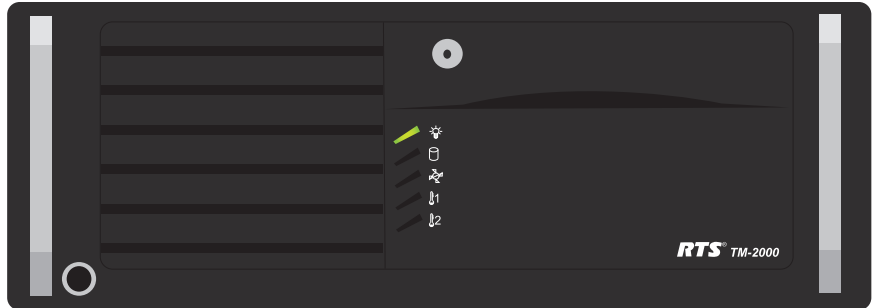


Trunkmaster Series

What is "RTS® Intelligent Trunking"? It is no less than your own private version of the long distance telephone system, allowing users of two or more (up to 31) separate matrices to communicate with one another instantaneously and seamlessly with all the same presets, scroll lists, and tallies available on local matrices. Whether the systems are located in adjacent studios or continents away from one another, intelligent trunking brings all your communications together.



TM-2000 Trunkmaster



Height	Width	Depth	Weight	Color
7" (17.7 cm)	19" (48.3 cm)	18½" (47 cm)	48.7 lbs (22.1 kg)	Black

The RTS® trunking system consists of a RTS® model TM-2000/MTM-2000 and one or more RTS® model ICP-2000 interconnection panels, depending on the number of intercom systems to be trunked. A backup TM-2000/MTM-2000 may also be added to prevent downtime in the event of a failure of the main master control unit.

MTM-2000 Mini Trunkmaster



Height	Width	Depth	Weight	Color
3.56" (9.05 cm)	19" (48.3 cm)	19.5" (49.53 cm)	13.57 lbs (6.16 kg)	Black

ICP-2000 Interconnect Panel



Height	Width	Depth	Weight	Color
1¾" (4.4 cm)	19" (48.3 cm)	1" (2.54 cm)	5.2 lbs (2.4 kg)	Black

The ICP-2000 is a 1RU breakout panel that converts the SCSI type II connection provided from the TM-2000/MTM-2000 communication card(s) into 9-pin D-sub connections.

SWP-2000 Redundancy Status Display Panel

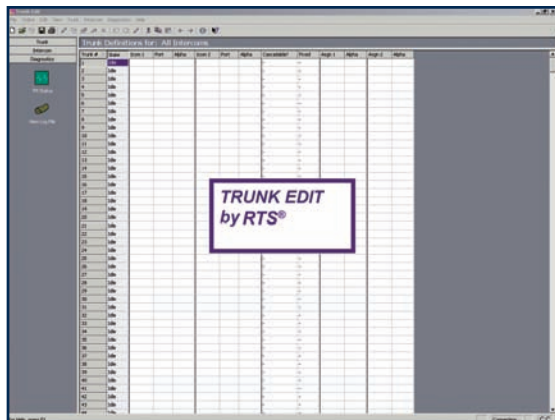


Height	Width	Depth	Weight	Color
1¾" (4.4 cm)	19" (48.3 cm)	1" (2.54 cm)	2.26 lbs (1.03 kg)	Black

The SWP-2000 is a 1RU switch over panel that provides common connections for TrunkEdit and Trunk Supervisor software packages, status monitoring of both TM-2000/MTM-2000 units and control of both units when used in a redundant configuration.

TES

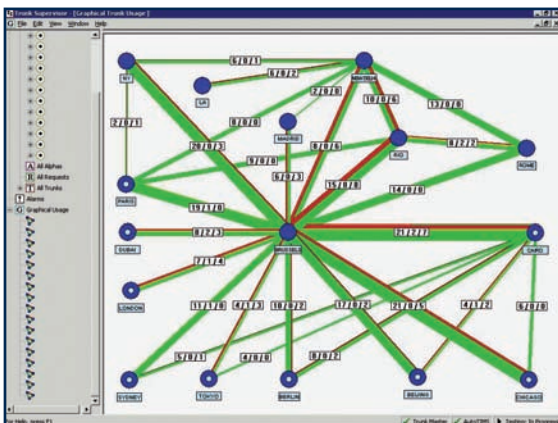
TrunkEdit Software



TrunkEdit is the GUI interface for programming the TM-2000 or MTM-2000 trunking computers. The TrunkEdit program allows the user to set up all the necessary parameters required for trunking multiple intercom systems. Each intercom system can be configured to work together as a virtual integrated single intercom system while still maintaining each individual system's autonomy.

TSS

Trunk Supervisor Software



The Trunk Supervisor Software program is a trunking system management application. The program allows for real-time monitoring of trunk line status information. When used in combination with the Auto-TIMS III test set, it allows for fully automated testing of a trunked system. If a trunk line is found to be out of specification the trunk line can be pulled out of service until the issue is resolved. The program also has the capability of remote notification of user defined alarm events.

Auto-TIMS

Auto-TIMS III Rackmount Audio Test Set with Trunk Supervisor Software

The Auto-TIMS III is a telephony industry audio test set. The unit can be used to verify that trunking audio path are working within user defined specifications, The Auto-TIMS III contains both a signal generator and test measurement set internally and can be fully automated through the use of an RS-232 remote control port.



System Options

A full line of products to complete your communications system, including inter-faces to party-line intercoms, coaxial cable, and telephone lines, and relays. Accessories also include control panels for IFB levels and assignments, panels for adjusting system audio levels, micro-phones and four-wire beltacks.

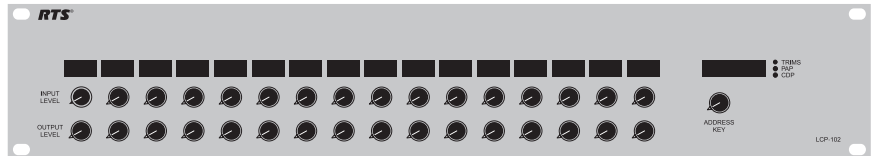


VKP & RVON Series VoIP System Options

See Voice-over IP (Pages 8-9)

LCP-102

Multifunction Remote Assignment Panel



Height	Width	Depth	Weight	Color
3½" (8.89 cm)	19" (48.26 cm)	7¼" (18.42 cm)	4.23 lbs (1.92 kg)	Black or Grey

The LCP-102 combines the features of an analog trim panel, a camera delegate panel, and a program assign panel in a single frame that is only two rack units high. You can easily switch between its three panel modes and make rapid configuration changes using the menu selector on the front panel. In each mode, you can make up to 4 pages of 16 controls and then adjust the levels for those assignments.

MDA-100

Mixing Distribution Amp



Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	19" (48.3 cm)	8.63" (21.91 cm)	3.75 lbs (1.7 kg)	Grey

The MDA-100 mixing and distribution amplifier contains an 8x1-summing amplifier (mixer) and a 1 x 8 distribution amplifier in a case that is one rack unit high. The MDA-100 is useful, for example, in camera control (CCU), where multiple camera operators have to talk and listen to one master control location. In this application, audio from each camera (up to eight) is fed to one of the summing amplifier inputs of the MDA-100.

GPIO-16

General Purpose Input/Output Interface

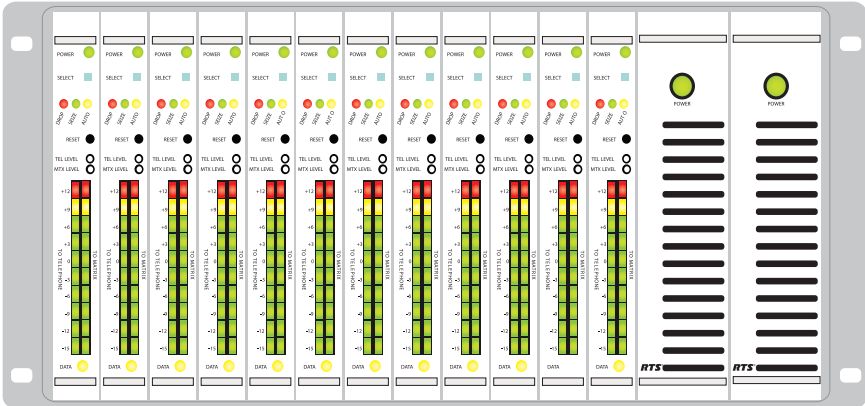


Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	19" (48.26 cm)	8" (20.22 cm)	3.88 lbs (1.76 kg)	Grey

Each GPIO-16 interface provides 16 opto-isolated inputs and 16 relay outputs. The GPI inputs can be set up to remotely controlled keypanel keys to activate intercom ports, party lines, relay outputs, etc. within the intercom system. The relay outputs are typically assigned for activation from keypanel keys. They can be used to control lighting or to key remote transmitters, paging systems, etc. Relays can be assigned to keys via the AZedit intercom configuration software. The GPIO-16 now supports two communication modes: RS-485 serial and ethernet.

TIF-4000

Telephone Interface

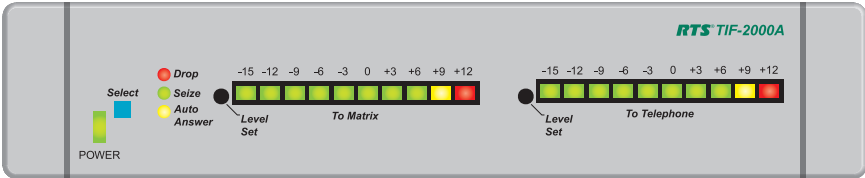


Height	Width	Depth	Weight (Empty Frame)	Color
7" (17.78 cm)	19" (48.3 cm)	13" (33.02 cm)	28.45 lbs (12.9 kg)	Grey

The TIF-4000 is a frame of up to twelve digital telephone interface cards (TIF-4000 front cards), with a redundant power supply designed to be compatible with ADAM, ADAM-CS, Cronus® and Zeus intercom systems. It provides bi-directional communication between the intercom matrix and an analog telephone line. It allows the phone to access all cross points of the matrix, as well as dynamic party lines, IFB circuits, and other forms of communications. The 4 RU high mountable TIF-4000 provides a transparent link to the telephone system enabling full dial-out capability from any designated keypanel with keypad. The TIF-4000 has full dial-in capability giving the caller a keypanel on the system via commands from the DTMF pad on their telephone.

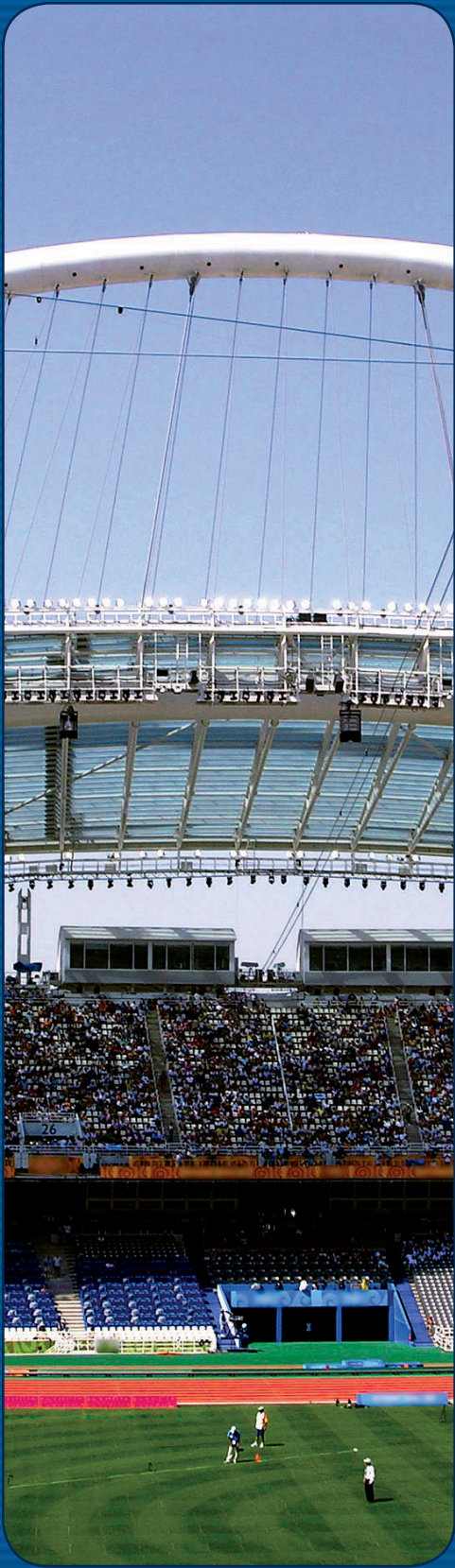
TIF-2000A

Single-Line Digital Telephone Interface



Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	8" (20.8 cm)	8¼" (20.96 cm)	2.22 lbs (1.01 kg)	Grey

The TIF-2000A is a single-line digital hybrid telephone line interface designed to be compatible with ADAM, ADAM-CS, Cronus®, and Zeus series intercom systems. It provides bi-directional communication between the intercom matrix and a standard DTMF capable telephone line. It allows the phone to access all cross points of the matrix, as well as dynamic party lines, IFB circuits, and other forms of communications. The 1U high by ½ wide rackmountable (via an optional MCP-1 or MCP-2 kit). TIF-2000A provides a transparent link to the telephone system enabling full dial-out capability from any designated keypanel with keypad. The TIF-2000A has full dial-in capability giving the caller a keypanel on the system via commands from the DTMF pad on their telephone.



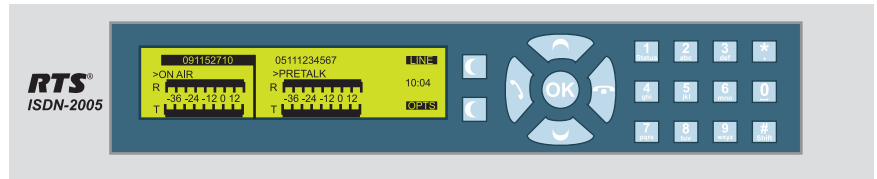
System Options

A full line of products to complete your communications system, including interfaces to party-line intercoms, coaxial cable, and telephone lines, and relays. Accessories also include control panels for IFB levels and assignments, panels for adjusting system audio levels, microphones and four-wire beltpacks.



ISDN-2005

ISDN Telephone Interface

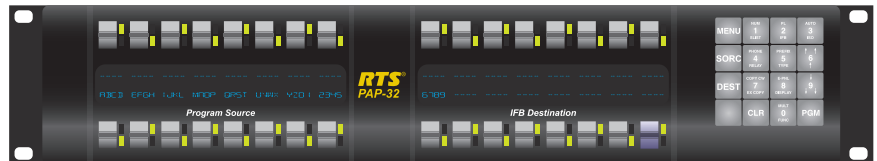


Height	Width	Depth	Weight	Color
1 3/4" (4.5 cm)	8 1/4" (20.8 cm)	8 1/2" (21.59 cm)	3 lbs (1.36 kg)	Grey

The RTS® ISDN-2005 system incorporates G.711 and G.722 audio codecs for bidirectional communications. The ISDN-2005 can be used to remote keypanels, supply trunking data and audio, and as a telephone interface.

PAP-32

32-Position Program IFB Assignment Panel

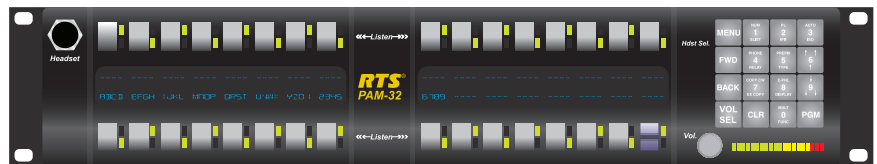


Height	Width	Depth	Weight	Color
3" (7.62 cm)	19" (48.3 cm)	3 1/2" (9 cm)	3.4 lbs (1.54 kg)	Black or Grey

The PAP-32 allows routing of program sources to IFB destinations. Up to three EPAP32 expansion panels can be added for additional assignments.

PAM-32

Program Assignment Monitor

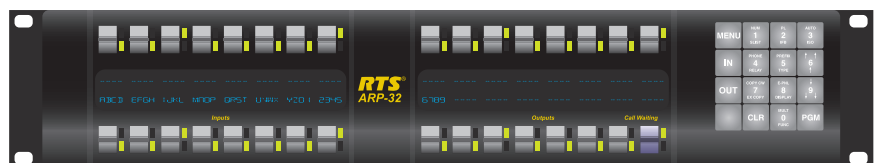


Height	Width	Depth	Weight	Color
3" (7.62 cm)	19" (48.3 cm)	3 1/2" (9 cm)	3.86 lbs (1.75 kg)	Black or Grey

The PAM has 32 pushbutton keys; 30 of which are monitoring inputs; one key for scrolling alpha assignments; and one is for headset/speaker selection.

ARP-32

Audio Routing Panel

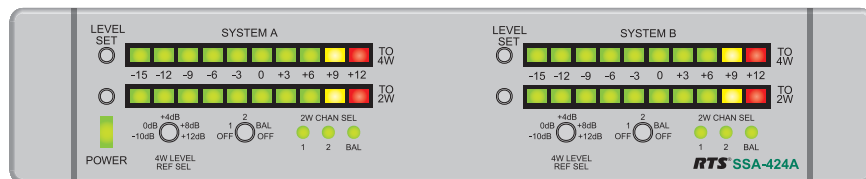


Height	Width	Depth	Weight	Color
3" (7.62 cm)	19" (48.3 cm)	3 1/2" (9 cm)	5.5 lbs (2.5 kg)	Black

The ARP-32 audio routing panel is used to establish audio paths (input and output) by forcing crosspoints across your intercom system. The ARP-32 is similar to the PAP-32 except that it routes ports together, rather than IFBs.

SSA-424A

Digital Interface/System-to-System Adapter

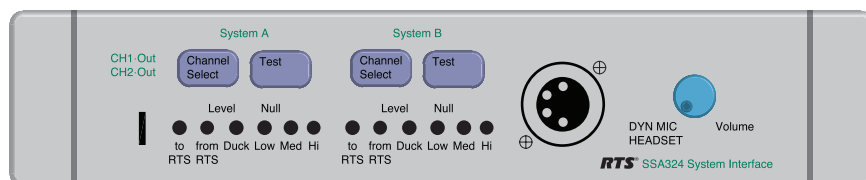


Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	8" (20.8 cm)	8¼" (20.96 cm)	3.2 lbs (1.45 kg)	Grey

The SSA-424A dual digital hybrid interfaces two two-wire intercom lines to two four-wire lines, and also interfaces balanced and unbalanced two-wire lines. Unlike earlier analog hybrids, the SSA-424A features advanced digital signal processing to achieve automatic nulling of the two-wire lines. In addition, each hybrid features convenient peak-reading level meters to quickly match the levels between the lines that are being interfaced. The result is easy and accurate setup. With the SSA-424A, all need for test tones; nulling adjustments and ducking adjustments have been eliminated. The SSA-424A features improved auto-nulling. In addition, there is a call light option board available.

SSA-324

System-to-System Adapter

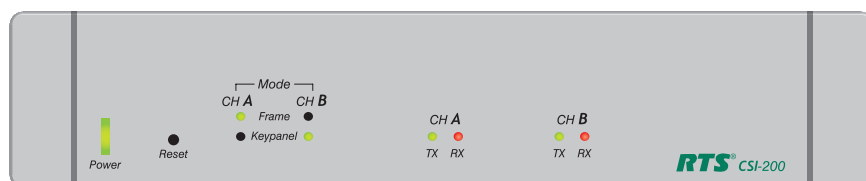


Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	8" (20.8 cm)	8¼" (20.96 cm)	3 lbs (1.36 kg)	Grey

The model SSA-324 is a system-to-system adapter (or interface). It interconnects the voice signals between different intercom systems. In addition, it can optionally interconnect "Calls" or tally signals between systems. Each SSA-324 includes two two-wire to four-wire converters. An SSA-324 can also function as a two-wire to two-wire interface by interconnecting the two individual interfaces at the four-wire level. The SSA-324 does two voice channels when used as a dual two-wire to four-wire interface, and one voice channel when functioning as a two-wire to two-wire interface. In addition, there is a call light option board available.

CSI-200

Bi-Directional Two-Channel Coaxial Interface



Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	8" (20.8 cm)	8¼" (20.96 cm)	2.2 lbs (1 kg)	Grey

The CSI-200 is a bi-directional, two-channel coaxial interface which passes digital audio and control data between RTS® keypanels and matrices. At 1 RU high and ½ RU width, the CSI-200 is compact allowing up to four coaxial channels in a standard rack space. Installation of the CSI-200 is quick and simplified with no user settings. Each of the two channels of the CSI-200 are independent and may operate in either on the keypanel or matrix side. LEDs provide the user with status information on the unit's connections.



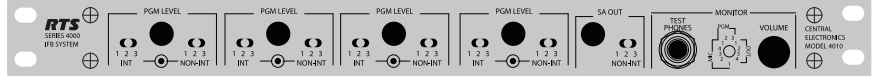
IFB System Options

A full line of products to complete your communications system, including interfaces to party-line intercoms, coaxial cable, and telephone lines, and relays. Accessories also include control panels for IFB levels and assignments, panels for adjusting system audio levels, microphones and four-wire beltacks.



4010

Central IFB Electronics Station



Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	19" (48.3 cm)	1.55" (3.95 cm)	5.23 lbs (2.37 kg)	Grey

Central IFB electronics station. Contains all necessary control functions and electronics including line power, to provide the active link between the 4001, 4002 and 4003 control stations and the 4030 and IFB-325 user stations.

IFB-828

8-Channel IFB Panel with Volume Controls

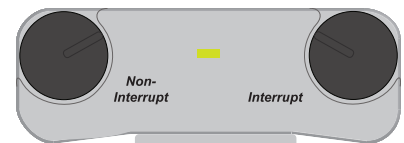


Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	19" (48.3 cm)	7½" (1.91 cm)	4.43 lbs (2.01 kg)	Grey

The IFB-828 interfaces up to eight RTS® IFB-325, 4020, or 4030 IFB beltacks to any RTS® Digital Matrix Intercom system, and it provides power to the beltacks. The IFB-828 may also be used as a simple program interface to feed two separate program sources to each of eight 4020 or 4030 beltacks (16 program sources to eight beltacks total).

4030

Four-Wire IFB Beltpack with ¼" (6.3 mm) Jack



Height	Width	Depth	Weight	Color
1½" (3.8 cm)	3¾" (9.53 cm)	3.65" (9.27 cm)	0.27 lbs (0.12 kg)	Grey

The RTS® 4030 is a portable two-channel listening station. It permits a user to monitor one audio channel in each ear with independent volume adjustment for each channel. The model 4030 may be used as a component of the RTS® Series 4000 IFB System, or it may be used as a listen-only user station in an RTS® Digital Matrix Intercom system. For earset options see page 31.

IFB-325

Portable Single-Channel IFB Beltpack with ¼" (6.3 mm) Jack



Height	Width	Depth	Weight	Color
1½" (3.8 cm)	3¾" (9.53 cm)	3.65" (9.27 cm)	0.36 lbs (0.16 kg)	Grey

Listen-only single-channel IFB earset station. Provides a mono (either interrupt or non/interrupt selected at 4010) audio signal to the user. Can be used on a standard RTS® TW intercom line as a listen-only station, as well. Features volume control in an extruded aluminum case. The IFB-325 can also be used with the MCE-325 as a basic IFB system. For earset options see page 31.

RTS® Digital Matrix Accessories

MCP-90

Electret Gooseneck Microphone

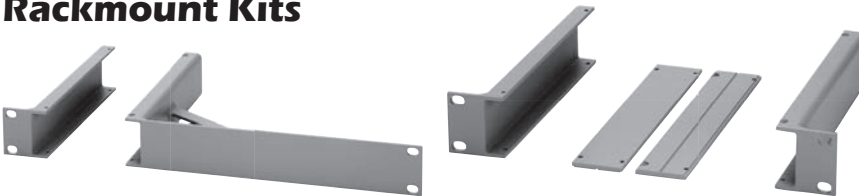


Maximum Head Diameter		0.55" (1.4 cm)	
Gooseneck Diameter		¼" (0.64 cm)	
MCP-90-0	MCP-90-8	MCP-90-12	MCP-90-18
0" (0 cm)	8" (20.32 cm)	12" (30.48 cm)	18" (45.72 cm)

The MCP-90 series microphones are phantom-powered "back-electret" miniature condenser gooseneck microphones. The back-electret feature provides greater sensitivity, wider frequency response, and superior immunity from handling noise than a diaphragm-electret microphone. The removable windscreen provides pop filtering; response shaping and overload protection to further enhance the acoustic performance of the microphone. The MCP-90 microphones are mechanically designed for quick, easy mounting to RTS® keypanels. The frequency response is tailored for full-range sound reproduction with natural sound pick-up optimized for close-up use. The microphones are fitted with a threaded TRS male connector that is compatible with RTS® standard threaded TRS female connectors.

MCP-1 & MCP-2

Rackmount Kits

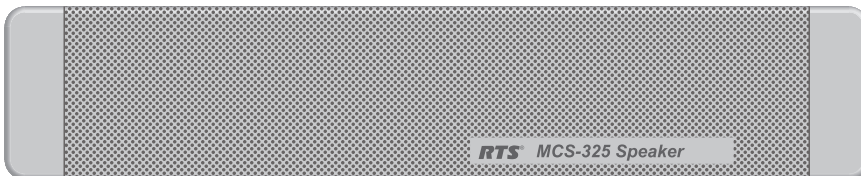


The MCP-1 is a rackmount kit for two main (modular style) components. Components connect using a supplied ¼" to ¼" link cable.

The MCP-2 is a rackmount kit for one main (modular style) component.

MCS-325

5-Watt Passive Modular Loudspeaker



Height	Width	Depth	Weight	Color
1¾" (4.5 cm)	8½" (20.8 cm)	8" (20.3 cm)	1.5 lbs (0.68 kg)	Grey

Modular passive general-purpose monitor speaker. Can be combined with MKP-4 to provide speaker station operation, for example. Packaged in ½ rack by 1 RU metal housing for added durability. The LMS-325 5-watt active modular loudspeaker with volume control is also available.



Telex® Intercom Headsets

Telex® offers a wide variety of headset styles to choose from including lightweight and full-cushion headsets in either single or dual-sided versions. We also have hearing protection headsets that offer noise reduction of up to 24dB and an earset selection that can accommodate all applications. Most of our headsets feature our new flexible boom arms, comfortable cushions, and can be terminated in either 4- or 5-pin male/female connectors or purchased without termination for you to customize.



PH-44R & PH-88R Lightweight Headsets with Flexible Dynamic Boom Mics

The PH-44R headset is a dual-muff lightweight headset for the ultimate in day-long comfort. It offers a dynamic noise-canceling gooseneck microphone with a semi-rigid, fully adjustable boom for precise positioning. The high-quality wide band dynamic earphones are covered in moleskin for better fit, isolation and frequency response. Available with a 4- or 5-pin male XLR connector.

The PH-88R is a single-muff super lightweight headset for the ultimate in day-long comfort. It offers a dynamic noise-canceling gooseneck microphone with a semi-rigid, fully adjustable boom for precise positioning. The high-quality wide band dynamic earphones are covered in moleskin for better fit, isolation and frequency response. Available with a 4- or 5-pin male XLR connector.



PH-44R



PH-88R

PH-1R & PH-2R Full-Cushion Medium-Weight Headsets with Flexible Dynamic Boom Mics

The PH-1R & PH-2R series of medium-weight intercom headsets is considered the industry-standard by many users in all different applications. With a weight of only 12 oz., these headsets offer the ultimate in daylong comfort. Available with a 4- or 5-pin male XLR connector.

Telex® offers a wide variety of headset styles to choose from including lightweight and full cushion headsets in either single or dual sided versions. Most of our headsets feature our new flexible boom arms, comfortable cushions, and can be terminated in either 4- or 5-pin male/female connectors or purchased without termination for you to customize.



PH-1R



PH-2R

HR-1R & HR-2R Medium-Weight Headsets with Flexible Dynamic Boom Mics

The HR-1R and HR-2R are single and dual muff (respectively), medium-weight passive noise reduction headsets with dynamic noise-canceling microphones. The headset has a noise reduction rating of 21 dB; suitable for use in a moderately noisy environment. The ergonomic moleskin-covered headband design distributes pressure evenly with no pressure points, ensuring hours of comfortable wear. An added advantage of this headset design is that it folds into compact form for ease of storage. The HR-1 and HR-2 are available terminated with either 4- or 5-pin male/female connectors or can be purchased without termination for you to customize.



HR-1R



HR-2R

PH-100R & PH-200R

Premium Medium-Weight Headsets with Flexible Dynamic Boom Mics

The PH-100R and PH-200R are premium medium-weight noise reduction headsets with dynamic microphones. Similar to the HR-1 and HR-2 headsets, the PH-100R and PH-200R feature a unique, comfortable headband design that distributes pressure evenly. These headsets come with high-quality moleskin cushions and offer a 21dB noise reduction rating. The PH-100 and PH-200 fold into an extremely compact shape. Available with a 4- or 5-pin male XLR connector and pigtail.

Telex® offers a wide variety of headset styles to choose from including lightweight and full cushion headsets in either single or dual sided versions. We also have hearing protection headsets that offer noise reduction of up to 24 dB and an earset selection that can accommodate all applications. Most of our headsets feature our new flexible boom arms, comfortable cushions and can be terminated in either 4- or 5-pin male/female connectors or purchased without termination for you to customize.



PH-100R



PH-200R

PH-10R

Headset with 24dB NRR & Flexible Dynamic Boom Mic

The PH-10R is the ultimate in passive noise reduction. This heavy-duty headset offers snug-fitting dual-sided, monaural headphones with a dynamic, noise-canceling microphone for use in high noise environments. The PH-10R offers an Environmental Protection Agency (EPA) rated noise reduction rating (NRR) of 24dB. Perfect for industrial and concert applications. Available with a 4- or 5-pin male XLR connector.



PH-10R

Earsets

Discrete Listen-Only Earbuds

The popular Telex® 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.

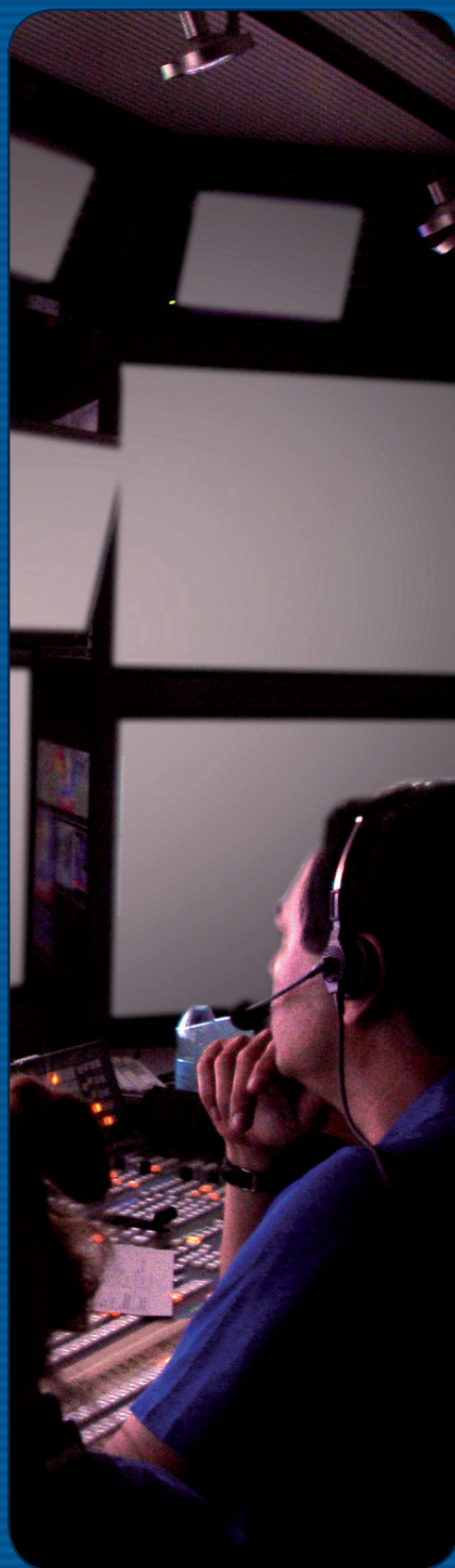
All earset components are available for individual sale, with which you can build your own earset. For details please visit: www.intercomheadsets.com/earsets



CES-1



CES-2



For information on any of the products featured in this catalog

Please visit the RTS® Digital Matrix Intercom website at:
www.rtsintercoms.com

Or contact us directly:

Americas

Telex Communications, Inc.
12000 Portland Avenue South
Burnsville, Minnesota 55337
United States

United States

Phone: +1-877-863-4169 | Fax: +1-800-323-0498

Canada

Phone: +1-866-505-5551 | Fax: +1-866-336-8467

Latin America

Phone: +1-952-887-5532 | Fax: +1-952-736-4212

Europe, Africa, & the Middle East

Germany

EVI Audio GmbH.
Hirschberger Ring 45,
D-94315, Straubing, Germany
Phone: +49 9421-706 0 | Fax: +49 9421-706 265

United Kingdom

Shuttlesound,
4 The Willows Centre, Willow Lane, Mitcham, Surrey CR4 4NX, UK
Phone: +44 208 646 7114 | Fax: +44 208 254 5666

United Arab Emirates

Bosch Communications Systems
Airport Free Zone
P.O. Box 79129 Dubai, U.A.E.
Phone: +971-50-6533572 | +971-50-4536775

Asia & the Pacific Rim

Japan

EVI Audio Japan Ltd.
5-3-8 Funabashi, Setagaya-Ku,
Tokyo, Japan 156-0055
Phone: +81 3-5316-5020 | Fax: +81 3-5316-5031

China

EVI Audio Ltd.
Room 3105-3109, Tower 1, Office Building, 218 Tian Mu Xi Rd.,
Shanghai, China. Post Code: 200070
Phone: +86 (21) 63172155 | Fax: +86 (21) 63173025

Hong Kong

EVI Audio Ltd.
Unit 5, 1/F, Topsail Plaza, 11 On Sum Street, Shek Mun,
Shatin, N.T., Hong Kong.
Phone: +852 2351 3628 | Direct Line: +852 3103 8321 | Fax: +852 2351 3329

Singapore

Telex Communications (SEA) Pte Ltd
38C Jalan Pemimpin
Singapore 577180
Phone: +65 6319 3450 | Direct Line: +65 6319 0621 | Fax: +65 6319 0620

