



Trunking Capable Digital Matrix Intercom System

**Professional quality, fully program-
mable matrix intercom system at a
VERY affordable price.**

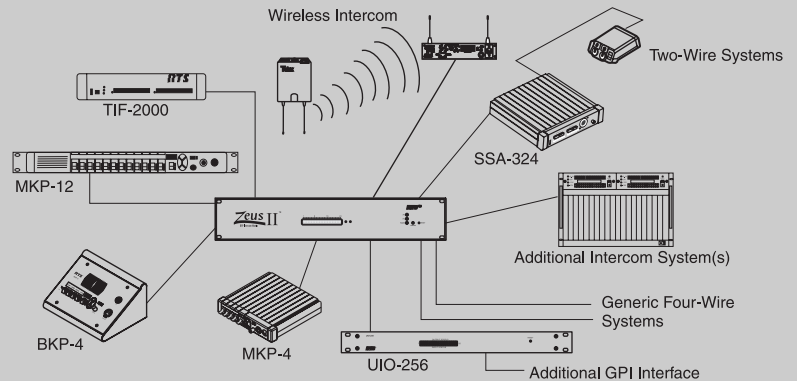
You need the capabilities, redundancy and programmability of a full-featured, top of the line digital matrix intercom system, but have limited space in which to add the equipment. You are also concerned about being able to expand the intercom system as your communications needs grow.

The RTS™ Zeus II™ matrix intercom system provides 24 channels of high-quality audio in a compact 2 rack unit package with the added benefit of linking to other RTS matrix intercoms via intelligent trunking.

Each channel is capable of supporting any of the RTS line of matrix keypanels, or four-wire inputs and outputs for program, party line and IFB feeds.

The Zeus II™ comes complete with Zeus-Edit, a Windows based, full-featured configuration software, providing on-line and off-line programming capabilities.

Example System



APPLICATIONS

Auditoriums
Simulators
Stadiums

Industrial
Military
Broadcast

Redundant power supplies standard

The unit comes complete with Two completely independent power supplies that can be powered off of separate AC feeds. Because of the extremely low power consumption, the use of low cost UPS units for particularly critical installations is possible.

Meet any communications needs without rewiring, jumper changes, or the need to take the system "off-line"

Nearly all changes can be made by the users, using a keypanel. More involved changes can be made on-line or off-line using the Zeus Edit programming software.

Better than CD quality audio

Zeus uses the Telex TDM ASIC to perform all audio switching and mixing in the digital real. Input and outputs are converted at 44.1 kHz, 20-bits for a full 20 kHz bandwidth. The TDM ASIC performs all DSP with 45-bits resolution, avoiding any degradation of communications, regardless of the number of users on a given path.

All communications modes are provided

Zeus comes standard with full support for point-to-point communications, party-line conferences, IFBs, Isolate, and special lists.

External interfaces standard

Eight general purpose inputs and outputs (GPIOs) are provided for control of external devices including two-way radios, VOXs, tally and alarm indicators. A serial port is also provided for connection of RTS™ accessories including additional GPIO, level control panels, conference assignment panels and program assignment panels.

SPECIFICATIONS

MATRIX

Size	24 Ports
Processing	Digital, 45 bits
Conversion	44.1kHz, 20 bits
Programming	Zeus-Edit via Windows®
Memory	Non-volatile Flash

AUDIO PERFORMANCE

Input Type/Impedance	Active Balanced, 22k ohms
Output Type/Impedance	Active Balanced, 600 ohms
Operating Level	+8 dBu
Maximum Level	+20 dBu
Freq. Response at +20 dBu	50Hz to 20kHz, ± 1 dB
THD+N at +20 dBu (unweighted) ...	<0.007%
SNR at +20 dBu (A-weighted)	>90 dB
Crosstalk at +20 dBu	<-80 dB
CMRR	>85 dB

PORTS

Keypanel	DB-9M
Audio IN	
Audio OUT	
RS-485 Data	
Configuration	DB-9F
RS-232 Data	
Accessory Port	DB-9F
RS-422 Data	
Trunking Port	DB-9M
RS-232 Data	
GPIO	DB-25F
TTL Active Low	

PHYSICAL/POWER

Power Requirements	90-250 VAC, 50/60 Hz, 60W
Note: Primary and backup supplies are identical.	
Size	3.5" x 19" x 17"
Approvals	UL, CE, CSA

Specifications subject to change without notice.

Suggested Accessories



TIF-2000 Telephone Interface Keypanel



TKP-4 Keypanel for Tektronix Vectorscope Frames



BKP-4 Desktop Keypanel



WKP-4 Wall Mount Keypanel



MKP-4 Keypanel



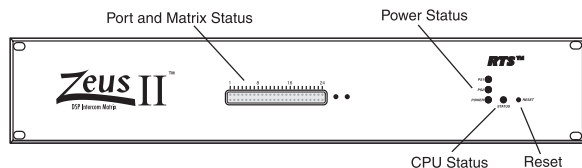
SSA-424 System-to-System Adapter



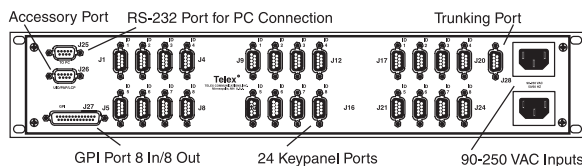
MKP-12 Keypanel

Zeus II DSP Matrix

Front View



Rear View



TELEX[®]

TELEX COMMUNICATIONS, INC.
12000 Portland Avenue South
Burnsville, MN 55337
U.S.A.

Toll Free 877-863-4169
Phone 952-884-4051
Fax 952-884-0043

www.telex.com