

DSP Digital Matrix Intercom System

Professional quality, fully programmable matrix intercom system at a VERY affordable price.

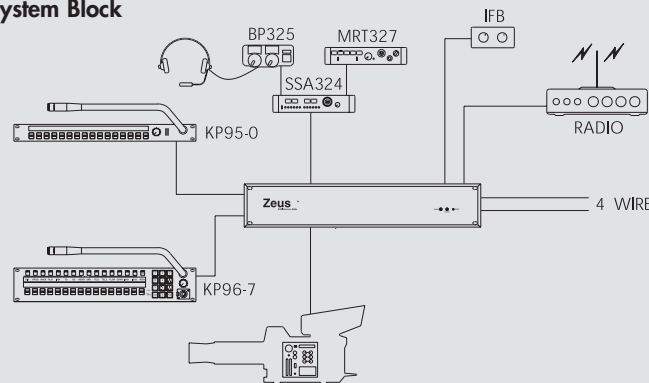
You need the power and programmability of a top of the line digital matrix intercom, but want it for the price of a party line intercom system or an analog matrix intercom system. You need the capabilities of a fully-featured digital matrix intercom system, but have limited space in which to add the equipment.

The RTS Zeus™ 2400 DSP Matrix intercom system provides 24 channels of high-quality audio in a compact 2 rack unit package.

Each channel is capable of supporting any of the Telex line of matrix keypanels, or 4 wire inputs and outputs for program and IFB feeds.

The Zeus 2400 system comes complete with Zeus-Edit, Windows®-based, full-featured configuration software, providing on-line and off-line configuration capabilities. Zeus-Edit includes a number of preset system configurations to get any installation up and running in a fast and efficient manner.

Typical System Block



APPLICATIONS:

Auditoriums
Simulators
Stadiums

Industrial
Military
Broadcast

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

Nearly all changes can be made by the users, using one of Telex's intelligent keypanels. More involved changes can be made on-line or off-line using Zeus-Edit, Windows®-based configuration software.

Better than CD quality audio

Zeus uses the Telex TDM ASIC to perform all audio switching and mixing in the digital realm. 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 of resolution, avoiding any degradation of communications, regardless of 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

8 GPI inputs and outputs are provided for control of external devices including two way radios, voxes, tally and alarm indicators. A serial port is also provided for connection of Telex accessories including additional GPI, level control panels, conference assign panels, and program assign panels.

S P E C I F I C A T I O N S

MATRIX

Size	24 ports
Processing	Digital, 45 bits
Conversion	44.1 kHz, 20 bits
Programming	Zeus-Edit, Windows®
Memory	Nonvolatile Flash

AUDIO PERFORMANCE

Input	Balanced Hi-Z
Output	Balanced Lo-Z
Operating Level	+8 dBu
Maximum Level	+20 dBu
Frequency Response	20 Hz - 20 kHz ± 1.0 dB
THD at +8 dBu	0.01%
SNR	>85 dB (A wtd) ref +20 dBu
Crosstalk	-80 dB

PORTS

Keypanel	DB-9M Audio In Audio Out RS-485
Configuration	DB-9F RS-232C
Accessory Port	DB-9F RS-422
GPI	DB-25F TTL Active Low

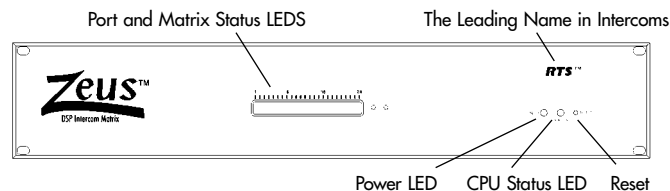
PHYSICAL / POWER

Power Requirements	90 - 250 VAC 50-60 Hz, 60 VA
Size	3.5" x 19" x 17"
Approvals	UL, CE, CSA

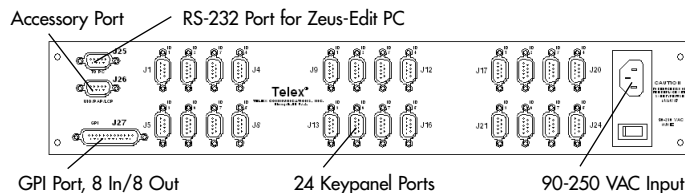
Specifications are subject to change without notice.

Zeus 2400 DSP Matrix

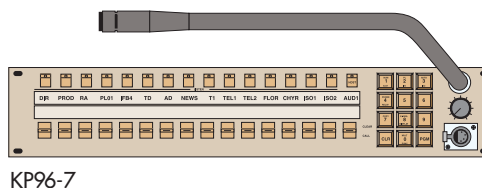
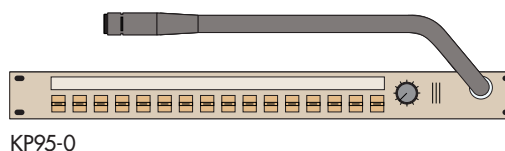
Front View



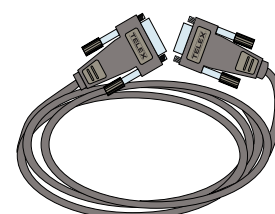
Rear View



Suggested Accessories:



Virtual Keypanel



Keypanel Cable

Zeus works with all Telex RTS Digital Matrix accessories, including all keypanels, TIF digital telephone hybrid, level control panels, expansion panels and assignment panels.

Distributed by

Telex®

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