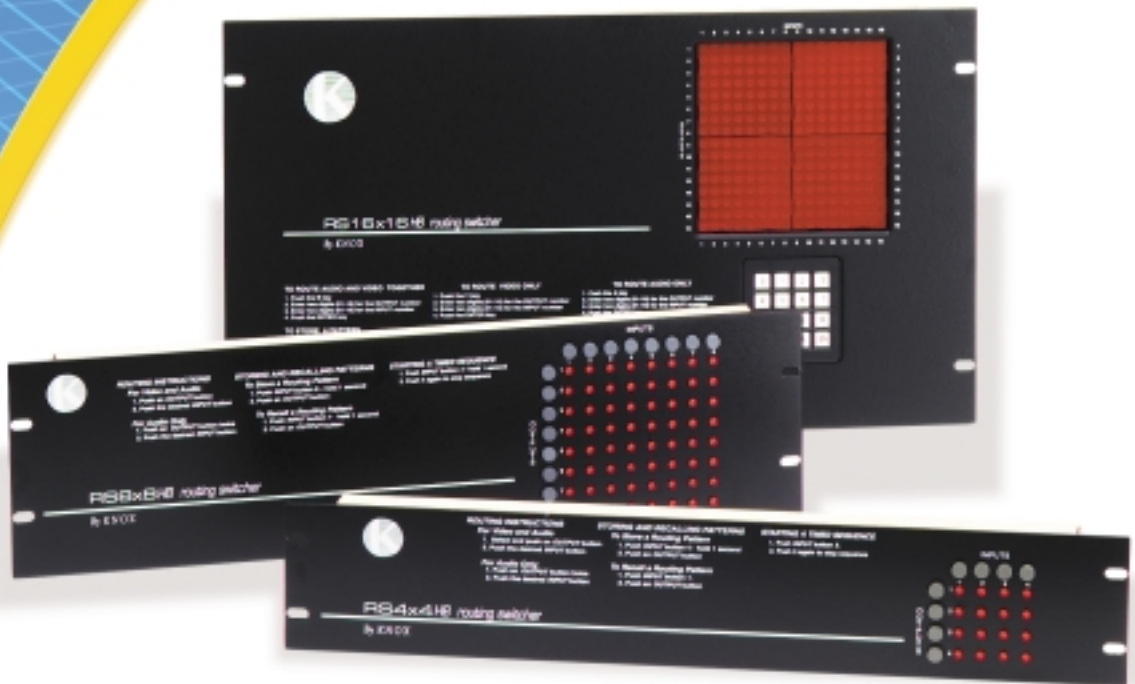


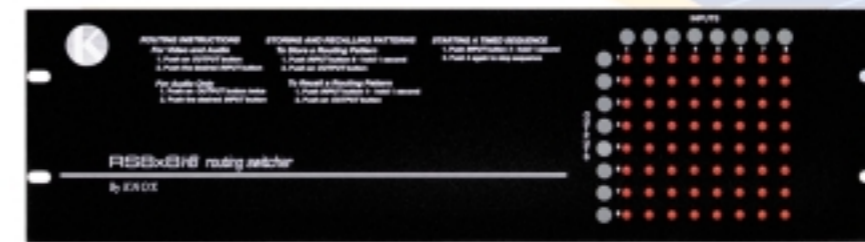
RS Series

Full Matrix Routing Switchers



**KNOX VIDEO
TECHNOLOGIES**

RS8x8HB

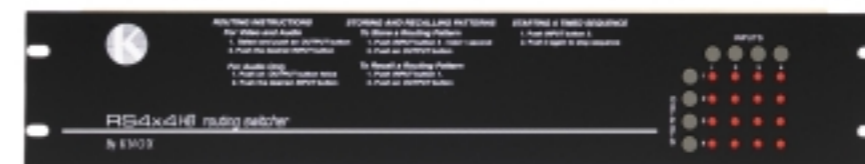


The RS8x8HB is a high performance audio/video routing switcher in a thin profile 3-unit rackmount chassis. It accepts and routes almost any 1 volt Composite, Y/C, or Component video input including off-the-air and non-timebase corrected signals.

The RS8x8HB accepts and routes mono or stereo unbalanced audio up to 2 volts p-p or balanced stereo audio from 0 to +18 dbm. Video and audio inputs can be routed independently; they need not have the same destinations. Easy manual operation by front panel push buttons, or send routing commands from a terminal or computer to RS232 interface. The simple ASCII protocol is compatible with most third-party controllers. Optional Knox control and scheduling software are also available.

Battery backed-up memory stores up to eight different studio patterns. Internal timer allows timed sequence of patterns for surveillance applications.

RS4x4HB



Features

- Vertical Interval Switching
- 8 Video Inputs to 8 Video Outputs
- Breakaway Stereo Audio
- Battery Backup
- DC to 200 MHZ
- Store/Recall up to 8 Patterns
- Manual and RS232 Control
- Vertical Interval Switching
- Composite, Y/C, and Component Versions Available

Applications

- Duplication
- Distance Learning
- Teleconference/Telemedicine
- Satellite Headend
- Remote Trucks
- Surveillance
- Custom Home Entertainment

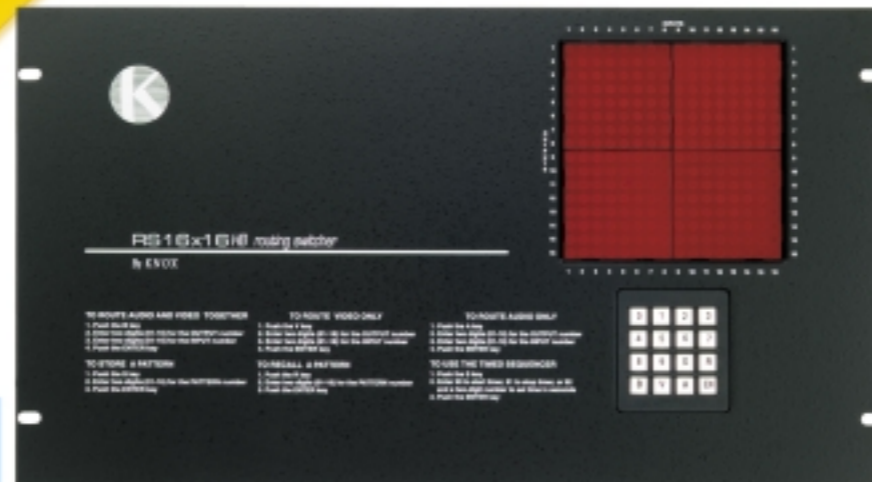
Features

- DC to 200 MHZ
- Vertical Interval Switching
- Breakaway Stereo Audio
- Store/Recall up to 4 Patterns
- Manual and RS232 Control
- Battery Backup
- Vertical Interval Switching
- Composite, Y/C, and Component Versions Available

Applications

- Duplication
- Distance Learning
- Teleconference/Telemedicine
- Satellite Headend
- Remote Trucks
- Surveillance
- Custom Home Entertainment

RS16x16HB



The RS16x16HB is a high performance audio/video routing switcher in a thin profile 6-unit rackmount chassis. It accepts and routes almost any 1 volt Composite, Y/C, or Component video input including off-the-air and non-timebase corrected signals.

The RS16x16HB accepts and routes mono or stereo unbalanced audio up to 2 volts p-p or balanced stereo audio from 0 to +18 dbm. Video and audio inputs can be routed independently; they need not have the same destinations.

Easy manual operation by front panel key pad, or send routing commands from a terminal or computer to RS232 interface. The simple ASCII protocol is compatible with most third-party controllers. Optional Knox control and scheduling software are also available.

Features

- 16 Video Inputs to 16 Video Outputs
- Breakaway Stereo Audio
- Battery Backup
- DC to 200 MHZ
- Store/Recall up to 16 Patterns
- Manual and RS232 Control
- Vertical Interval Switching
- Composite, Y/C, and Component Versions Available

Applications

- Duplication
- Distance Learning
- Teleconference/Telemedicine
- Satellite Headend
- Prison Systems
- Surveillance
- Custom Home Entertainment

Technical Specifications

RS16x16HB



RS16x16HB shown above with unbalanced stereo audio. Balanced stereo audio using removable, screwtype connectors is also available.

UNBALANCED AUDIO

Frequency Response	20Hz to 30KHz
Input Level	up to 2 volts p-p
Input Impedance	100K
Output Impedance	1K
Crosstalk	<-85db @ 1KHz
Connectors	(64) RCA

BALANCED AUDIO

Hum and Noise	<-90db
Frequency Response	20Hz to 50KHz +/- 1/4db
Level	0, 4, or 16dB, clipping at 18dB
Impedance	Bridging, or 600 ohms termination
Crosstalk	<-90db @ 20KHz
Connectors	Phoenix screwtype, removable

VIDEO

Frequency Response	DC to 200MHz, @ 300mv, <-3dB @ 150 MHz, Typ -6dB @ 200MHz @ 1.0v, <-3dB @ 115MHz
Input Impedance	75 ohms
Output Impedance	75 ohms
Crosstalk	all hostile: typ<-70dB @ 5MHz, <-55db @20MHz, <-25dB @ 100MHz one hostile: <-40dB @ 200MHz
Connectors	BNC

POWER

Consumption	nom. 15vdc, 1.5A (from plug-in module supplied)
Connector	5mm/2mm coaxial

DIMENSIONS

19" wide x 10.5" high x 2" deep	
Shipping Weight	9 pounds

RS8x8HB



RS8x8HB shown above with unbalanced stereo audio. Balanced stereo audio using removable, screwtype connectors is also available.

UNBALANCED AUDIO

Frequency Response	20Hz to 30KHz
Input Level	up to 2 volts p-p
Input Impedance	100K
Output Impedance	1K
Crosstalk	<-85db @ 1KHz
Connectors	(64) RCA

BALANCED AUDIO

Hum and Noise	<-90db
Frequency Response	20Hz to 50KHz +/- 1/4db
Level	0, 4, or 16dB, clipping at 18dB
Impedance	Bridging, or 600 ohms termination
Crosstalk	<-90db @ 20KHz
Connectors	Phoenix screwtype, removable

VIDEO

Frequency Response	DC to 200MHz, @ 300mv, <-3dB @ 150 MHz, Typ -6dB @ 200MHz @ 1.0v, <-3dB @ 115MHz
Input Impedance	75 ohms
Output Impedance	75 ohms
Crosstalk	all hostile: typ<-70dB @ 5MHz, <-55db @ 20MHz, <-25dB @ 100MHz one hostile: <-40dB @ 200MHz
Connectors	BNC

POWER

Consumption	nom. 15vdc, 500mA max.
Connector	5mm/2mm coaxial

DIMENSIONS

19" wide x 5.25" high x 2" deep	
Shipping Weight	6 pounds

RS4x4HB



RS4x4HB shown above with unbalanced stereo audio. Balanced stereo audio using removable, screwtype connectors is also available.

UNBALANCED AUDIO

Frequency Response	20Hz to 30KHz
Input Level	up to 2 volts p-p
Input Impedance	100K
Output Impedance	1K
Crosstalk	<-85db @ 1KHz
Connectors	(64) RCA

BALANCED AUDIO

Hum and Noise	<-90db
Frequency Response	20Hz to 50KHz +/- 1/4db
Level	0, 4, or 16dB, clipping at 18dB
Impedance	Bridging, or 600 ohms termination
Crosstalk	<-90db @ 20KHz
Connectors	Phoenix screwtype, removable

VIDEO

Frequency Response	DC to 200MHz, @ 300mv, <-3dB @ 150 MHz, Typ -6dB @ 200MHz @ 1.0v, <-3dB @ 115MHz
Input Impedance	75 ohms
Output Impedance	75 ohms
Crosstalk	all hostile: typ<-70dB @ 5MHz, <-55db @ 20MHz, <-25dB @ 100MHz one hostile: <-40dB @ 200MHz
Connectors	BNC

POWER

Consumption	nom. 15vdc, 500mA max.
Connector	5mm/2mm coaxial

DIMENSIONS

19" wide x 3.5" high x 2" deep	
Shipping Weight	3 pounds



**KNOX VIDEO
TECHNOLOGIES**

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