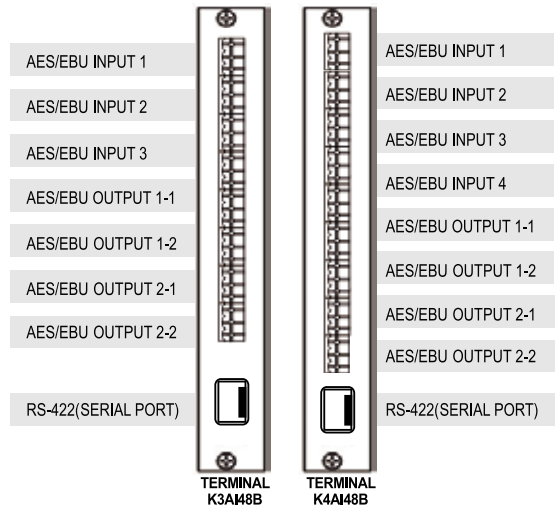


K3AI48

K3AI48, K4AI48
Threefold AES/EBU backup switcher with integrity checking

Features

- 3x1 or 3x2 function
- 4x1 or 4x2 function
- Automatic backup triggered by:
 - Loss of input (carrier detect)
 - Silence with threshold and time adjustment
 - Audio Clip with time adjustment
 - CRC error
- AES/EBU inputs with optional SRC (32 to 192kHz sampling)
- 48kHz sample clock locked to: B&B ref or word clock ref.
- 48kHz sample clock in free running mode
- Available with 110 Ohm (phoenix or sub-D) or 75 Ohm (BNC) AES/EBU in- and output
- Adjustable audio gain (in 0.25dB) and phase (0-180 deg)
- Adjustable audio delay offset up to 1300ms in 1ms increment
- Full control and status monitoring through the front panel of the KSFR08/18 frame and the Ethernet port (ACP)



Specifications

AES/EBU audio input

Connector Standard	BNC, Screw terminal or female sub-D (balanced) AES-1992 for balanced synchronous or asynchronous PCM/AES, SMPTE 276M for single ended synchronous or asynchronous PCM/AES
Number of input	K3AI48-3 / K4AI48-4
Sampling Rate	32 kHz to 192 kHz Synchronous 48 kHz in Master/ADD-On mode
Resolution	24 bits when AES input selected
Minimum input/output delay	1 ms
Impedance	110 Ohm or 75 Ohm
Level	0.2V to 1V nom for BNC, 2V to 7V for balanced operation

Reference video input

Connector Standard	BNC PAL (ITU624-4), NTSC (SMPTE 170M) Word clock 48k square-wave
Number of input	2 on KSFR18, 2 on KSFR08,
Signal level	1V nominal
Impedance	75 Ohm
Return loss	> 25dB to 10MHz

AES/EBU audio output

Number of output	4
Connector	BNC, Screw terminal or female sub-D (balanced)
Resolution	24 bit
Sampling Rate	48KHz synchronous
Minimum input/output delay	2.5 ms
Maximum input/output delay	1.300 ms

Miscellaneous

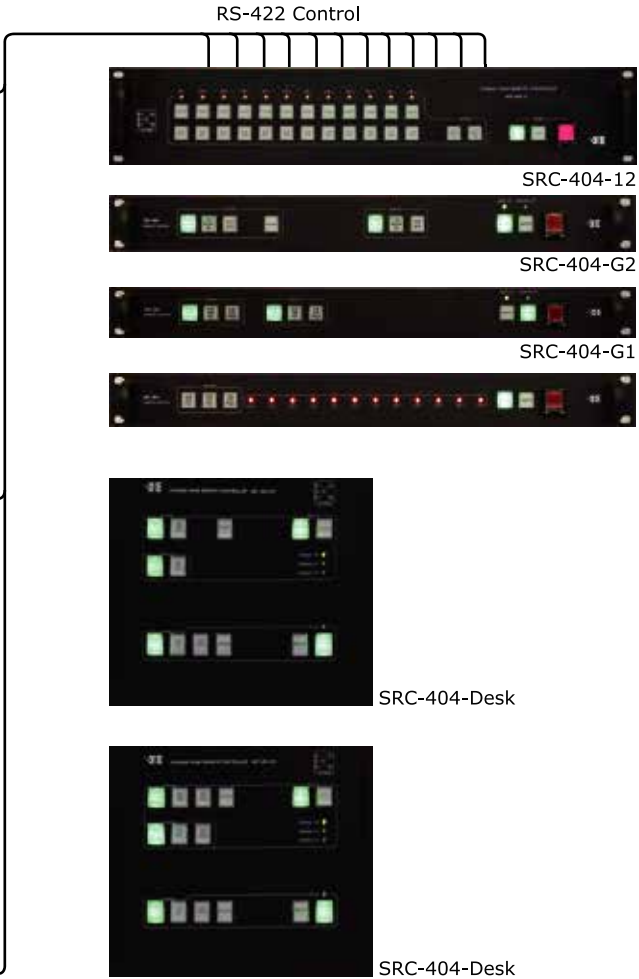
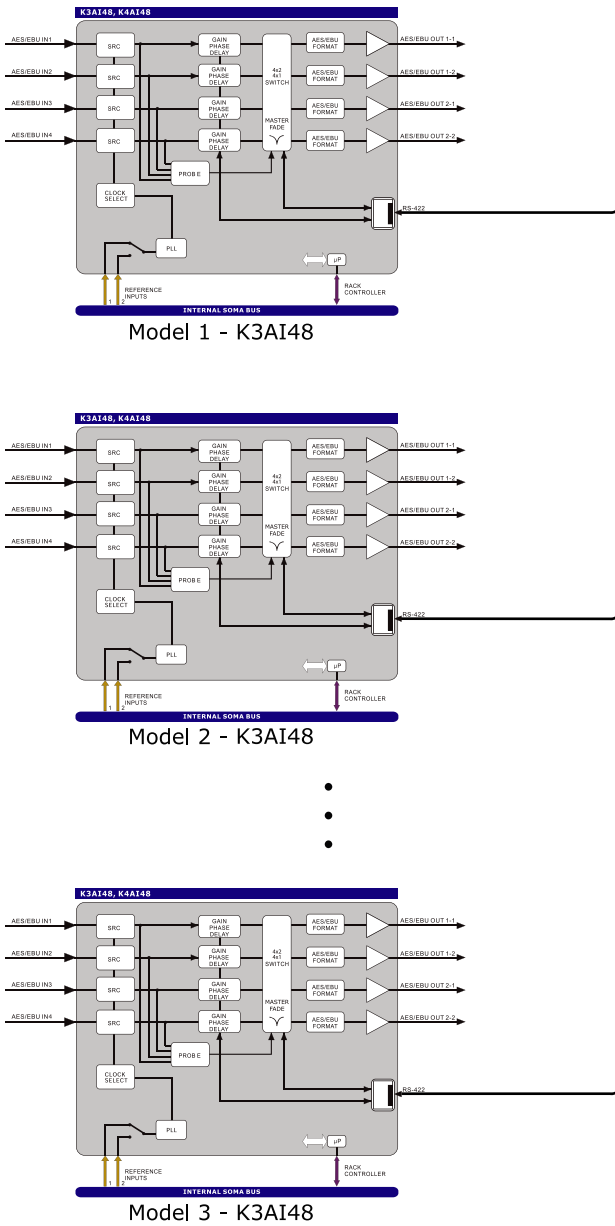
Weight	250g
Operating temperature	0°C to +50°C
Dimensions	137x296x20mm (HxWxD)

Electrical

Voltage	+24V to +30V
Power	<4 W

Change Over System Diagram

K3AI48



AES/EBU Change over Switcher is made up of the main body of modular system and the Remote controller. It has 3 channels of the Input, 2 channels of the output (3 X 2 Channels). There's the automatic mode, the manual mode and the by-pass function. Even in the case of any such presence or absence of the signal (Loss) and the silence detection and clip/CRC failure, the signal is automatically switched. It is available to switch the signal stably without the noise. It has the function to bypass the signal of existing channels in case of power failure or power trouble. Even when putting off a momentary power failure or turning on/off power, and has the ability to repair and store the current state. Remote controller has the manual, the automatic and Lock switch. It can be connected up to 12 Change over modules.