



### Description

The 4462DU SDI unbalanced AES-EBU audio de-embedder extracts two unbalanced digital stereo audio streams from any group in the ancillary data space of a 270Mb SDI stream.

De-embedding conforms to SMPTE 272M and allows audio to be extracted from any of the four groups. There is automatic input cable equalisation and a re-clocked SDI output is provided.

The unit is housed in an extremely compact and rugged aluminium case and is suitable for both field and studio applications.

### Features

- Extracts two unbalanced AES-EBU streams from any group
- Automatic detection of 525/625 SDI
- 20 or 24 bit de-embedding
- LEDs show group status and input signal presence
- Automatic input cable equalisation to over 350m
- Re-clocked SDI output
- Extremely compact and rugged

### Control switches

- Audio group select

[www.kezvale.co.uk](http://www.kezvale.co.uk)

### Specifications

#### SDI input

Standards	SMPTE 259M 270Mb/s 525/625 SDI
Connector	75Ω BNC
Signal level	800mV p-p ±10% (terminated)
Return loss	>15dB to 270MHz
Cable equalisation	> 350m automatic (Belden 8281)

#### SDI output

Standards	SMPTE 259M 270Mb/s 525/625 SDI
Connector	75Ω BNC
Signal level	800mV p-p ±10% (terminated)
DC offset	±100mV
Return loss	>18dB to 270MHz

#### Audio de-embedding

Standards	SMPTE 272M
Resolution	20 or 24 bits

#### AES-EBU output

Standard	Unbalanced AES-EBU AES3id, SMPTE 276M
Number	2
Sample rate	48kHz (synchronised to video)
Type	Transformer coupled
Connector	75Ω BNC
Termination	Unbalanced 75Ω
Level	1.5V p-p ± 5%
Connector	75Ω BNC

#### Power

Voltage	6-12V DC
Current	520mA at 6V
Power connector	Locking 2.5mm jack connector (centre +ve)

#### Other

LEDs	Show power, signal presence & de-embedding status
Temperature range	0°C to 40°C
Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	175g

### Ordering information

4462DU SDI unbalanced AES-EBU audio de-embedder  
4010 1U rack mounting frame for up to 5 units including PSU

4006 Desktop power supply with IEC320 C14 inlet

We reserve the right to change technical specifications without prior notice. E&OE.