



## PORTABLE ACTIVE SPLITTER - 4 INPUT/16 OUTPUT

The new Kickbox 4x4 is an 'all terrain' 4 in/16 out mic/line signal splitter. Its extremely high audio quality, robust build and portability make it the ideal tool to provide multiple outputs for live sound, broadcast coverage, sports events, live recording, press conferences, corporate events and any situation where distribution of high quality audio is required. It incorporates 4 studio grade mic/line pre-amps, each providing up to 66dB of gain and 16 balanced output stages, each with the option of transformer isolation and comprehensive linking facilities.

The 4x4 is supplied as standard in a road proof case with a removable lid for unhindered access to all controls and connections.

### Inputs

- 4 studio grade mic/line pre-amps
- Independent input bargraph metering
- 66dB of variable gain
- 48V phantom power
- Mic/line switching
- Headphone listen facility

### Outputs

- 4 outputs per channel
- Optional transformer isolation
- Transformer loaded LED status

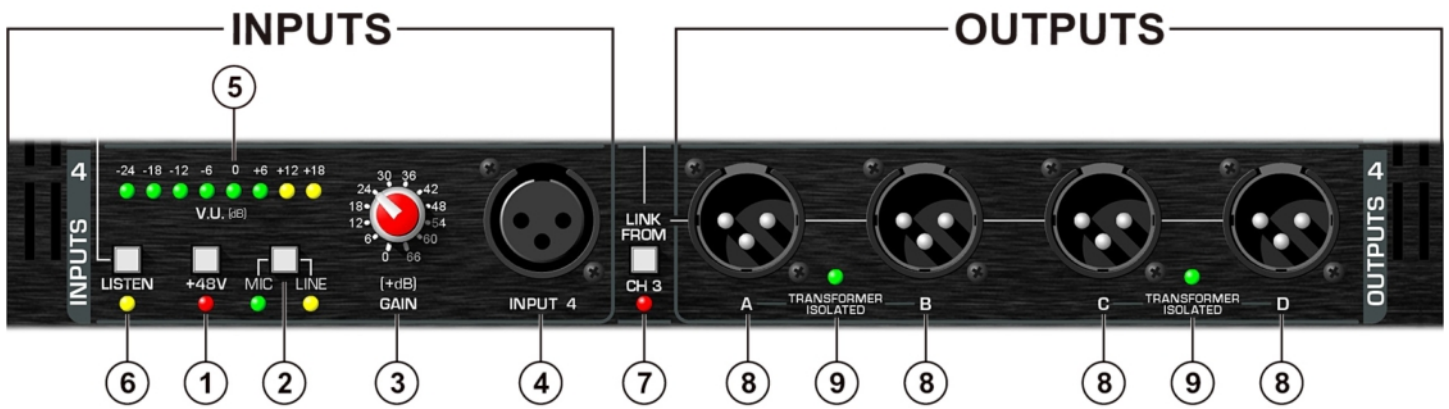
### Linking

- Can be configured as:  
1 in/16 out, 2 x 1 in / 8 out,  
1 in/12 out and 1 in/4 out,  
as well as 4 x 4 in/4 out.

### Portability

- Compact self contained road proof case eliminates need for bulky flightcases.





**1. Phantom Power** : A switch provides +48V Phantom Power down the XLR cable to microphones that require it. NOTE: DO NOT ACTIVATE THE +48V SWITCH UNLESS YOU ARE SURE THAT THE MICROPHONE REQUIRES IT.

**2. Mic/Line** : Switches the level of input 4 between Mic or Line, with LED indication. When in the 'Line' position the phantom power switch is bypassed, the input has a 20dB pad, and the input impedance alters to >10k Ohms.

**3. Gain** : A twelve position switch adds gain in 6dB steps from 0dB to +66dB, making it incredibly easy to replicate previous levels.

**4. Input** : The input is via a standard XLR for both mic and line input - pin one is screen, pin two is positive (hot) and pin three negative (cold).

**5. VU Meter** : Each channel has an eight LED VU meter, covering the range from -24dB to +18dB.

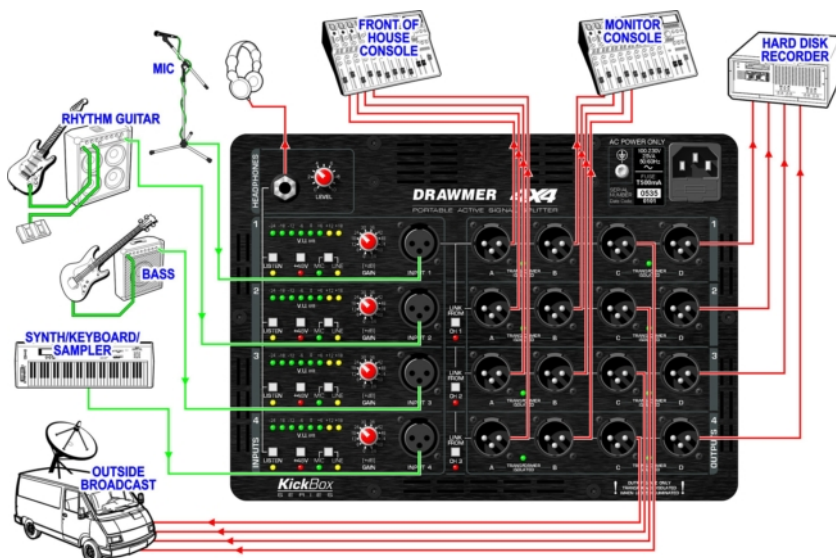
**6. Listen** : Activating this switch will route the input from that particular channel to the headphone section for monitoring. Each channel can be active separately (solo) or all can be monitored at once if preferred.

**7. Linking** : In certain situations four outputs may not be adequate, for example at a news conference where each reporter requires a feed, for this reason we have incorporated a very versatile, but intuitive linking system, that effectively converts the 4X4 into a pressbox. Linking is via three switches, so there's no need to open the unit up to swap jumpers, or worse still, re-solder connections. If a link switch is active the input feeding the four outputs of that particular channel is disabled, and re-routed to the input of the previous channel. If the link switch of that channel is also active, then it is re-routed further to the previous channel. In this way the 4X4 can be configured as 1 in/16 out, 2 x 1 in / 8 out, 1 in/12 out and 1 in/4 out as well as 4 x 4 in/4 out.

**8. Outputs** : Each channel has four outputs, via standard XLR connectors - pin one is screen, pin two is positive (hot) and pin three negative (cold).

**9. Transformer Isolation LED** : The 4X4 comes with electronic isolation as standard and only has transformer isolation as a factory fitted optional extra. When fitted each transformer feeds two outputs (either A & B or C & D on each channel) and its presence is shown by the illumination of the LED that sits in between these two XLR's. In this way a total of eight transformers can be fitted if all outputs are to be transformer isolated.

### TYPICAL CONNECTION GUIDE:



### SPECIFICATION:

<b>Input Impedance</b>	mic: 1k Ohms line: 4.1k Ohms
<b>Max Input Level</b>	+21dBu
<b>Output Impedance</b>	50 Ohms
<b>Max Output Level</b>	+21dBu
<b>Bandwidth</b>	<13.4Hz to 46kHz -1dB <8Hz to 85kHz -3dB
<b>Mic EIN</b>	Ref 150R, 0dB
<b>Audio Band</b>	-128dBu
<b>Distortion THD</b>	Line Input @+4dB
<b>Line Noise</b>	Ref +4dB
<b>Audio Band</b>	-100dBu
<b>Full Band</b>	-93dBu
<b>Crosstalk</b>	between adjacent channels better than 87dB @20kHz
<b>Case Size</b>	305mm(w) x 144mm(h) x 270mm(d)
<b>Weight</b>	w/o isolating transformers 3.8KG with isolating transformers 4.3KG

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