

Subject:
UHER STEREO MIX 5 MODELS A121/A122

Reference: RKW/CAC/PH/023
Product Code: UH

A high quality mixer unit, suitable for amateur or professional use. Five Slider potentiometers allow for the mixing of 5 mono sources, or 2 stereo plus 1 mono source. The left and right channels of each stereo source may be independently controlled if required. The mono signal fed to the centre potentiometer may also be controlled by a balance control, which allows this source to be fed into either left channel, centre, or right channel, thus producing artificial movement. All inputs have individual pre-set controls to allow for differing signal levels, and also have silent muting switches.

A built-in 1KHz tone generator is incorporated for setting up the correct recording levels on a tape recorder. This generator also gives an indication of battery state as it will not function below operational voltage.

9 sockets (DIN) are provided on the rear of the mixer, which provide the following input/output facilities. (See also diagrams overleaf)

INPUTS

<u>Sockets</u>	<u>Pin Nos</u>	<u>Function</u>	<u>Impedance</u>	<u>Sensitivity</u>
1 & 6	3 & 2	Left Channel microphone	200-600 ohms	0.1 - 27mv
1 & 6	5 & 2	Right Channel microphone	200-600 ohms	0.1 - 27mv
2 & 7	3 & 2	Left Channel Pick-up	1meg	70mv - 10v
2 & 7	5 & 2	Right Channel Pick-up	1meg	70mv - 10v
2 & 7	1 & 2	Left Channel Radio or High Impedance Mic.	47K	3.5 - 500mv
2 & 7	4 & 2	Right Channel Radio or High Impedance Mic.	47K	3.5 - 500mv
3	3 & 2	Linked to pins 5 & 2 socket 1	200-600 ohms	0.1 - 27mv
8	3 & 2	Linked to pins 5 & 2 socket 6	200-600 ohms	0.1 - 27mv
4 ϕ	3 & 2	Mono only, microphone	200-600 ohms	0.1 - 27mv
5 ϕ	3 & 2	Mono only, Pick-up	1meg	70mv - 10v
5 ϕ	1 & 2	Mono only, Radio or High Impedance Mic.	47K	3.5 - 500mv

OUTPUTS

A	1 & 2	Left Channel output	20K approx.	30mv approx.
A	4 & 2	Right Channel output	20K approx.	30mv approx.
A	3 & 2	Left Channel output	20K approx.	500mv approx. e
A	5 & 2	Right Channel output	20K approx.	500mv approx. e

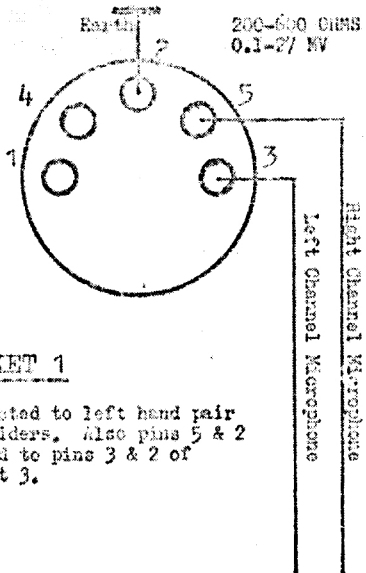
OTHER DATA

Frequency range	20hz - 20khz linear
Dynamic range	60 db
Power supply	9v PP3 or similar
Transistors - (for A121	10 x BC214, 1 x AC151
- (for A122	14 x BC214, 1 x AC151, plus 2 F.E.T.
Output impedance	20K ohms approx.
Output impedance of tone generator	200 ohms
Channel separation (Stereo)	55 db
Total linear distortion	0.5%

- ϕ Connected also to balance control
- e Available on A122 only

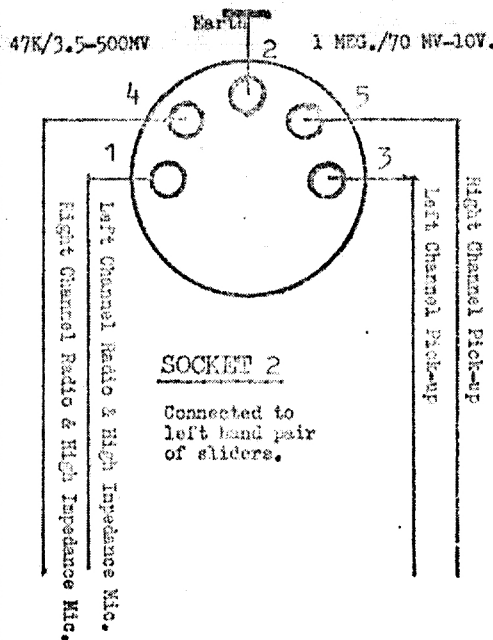
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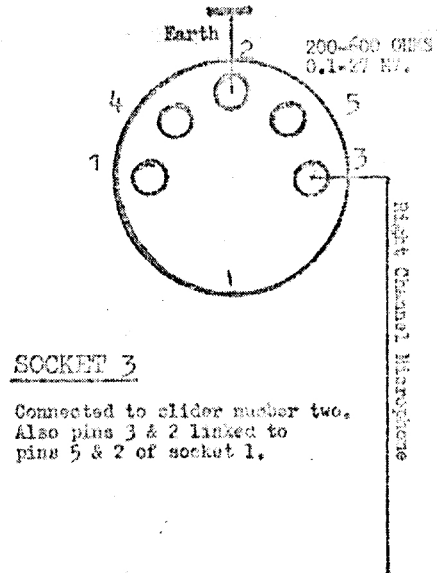
SOCKET 1

Connected to left hand pair of sliders. Also pins 5 & 2 linked to pins 3 & 2 of socket 3.



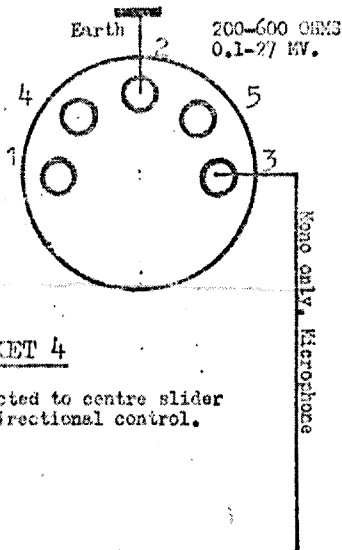
SOCKET 2

Connected to left hand pair of sliders.



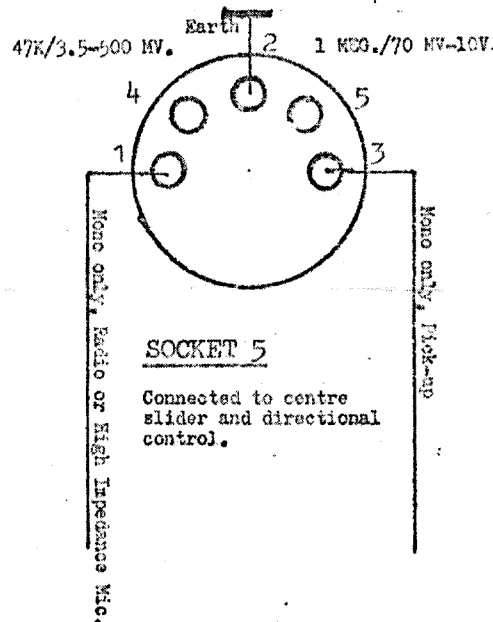
SOCKET 3

Connected to slider number two. Also pins 3 & 2 linked to pins 5 & 2 of socket 1.



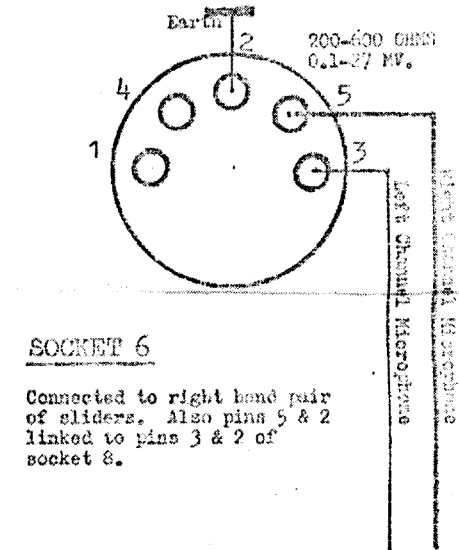
SOCKET 4

Connected to centre slider and directional control.



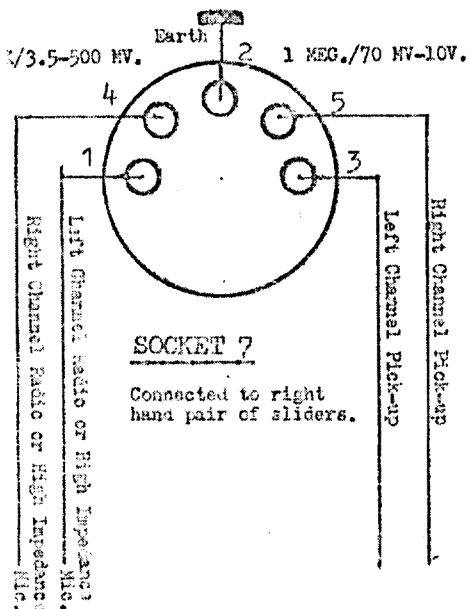
SOCKET 5

Connected to centre slider and directional control.



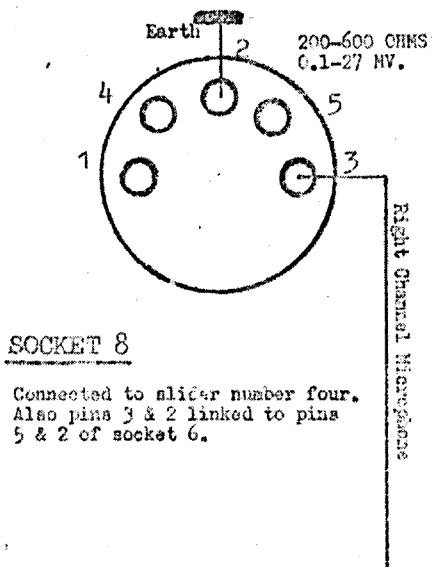
SOCKET 6

Connected to right hand pair of sliders. Also pins 5 & 2 linked to pins 3 & 2 of socket 8.



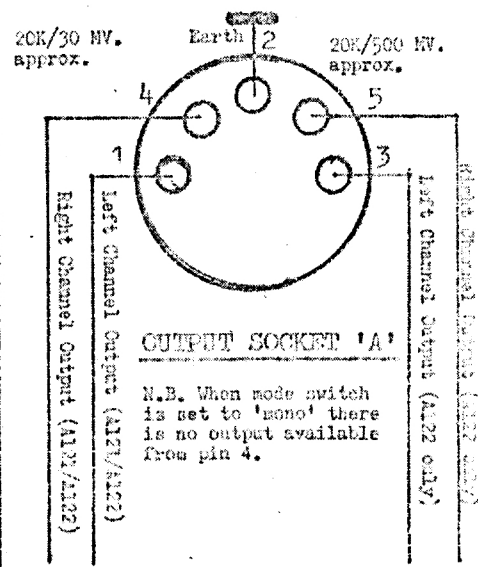
SOCKET 7

Connected to right hand pair of sliders.



SOCKET 8

Connected to slider number four. Also pins 3 & 2 linked to pins 5 & 2 of socket 6.



OUTPUT SOCKET 'A'

N.B. When mode switch is set to 'mono' there is no output available from pin 4.