

MSD800-8 Instructions

Dear Customer,

You have just received your MSD800 from DK-Audio with a new software version 2.35. The new software differs considerably from the descriptions in the User's Manual (MSD200) enclosed with the unit in the following areas:

1. Pin configuration;
2. Selecting input signal mode, analogue / digital;
3. Selecting screen layout for surround sound monitoring;
4. Design and selection of PPM scales (DK-SCALE).

The differences in items 1 to 3 are described below, but please note that item 4, Design and selection of PPM scales, is covered in an entirely separate manual enclosed with this letter.

1. See Appendix A for pin configuration.
2. As the MSD800 has analogue inputs only, there is obviously no selection of input mode available. Instead, you can select which input pair to control the oscilloscope.:
 - a) Go to [CNFG]menu and select [SCOPE];
 - b) Here you can direct the channel pairs to the oscilloscope display: [1+2], [3+4], [5+6] and [7+8];
 - c) In the [CNFG]menu you can also select the [SURROUND]menu which will change the scope figure to a surround sound monitor in the "jelly-fish" image format.
 - d) The menu selections appearing in the [SURROUND]menu corresponds only to the phase correlator, and are not assigned to the scope in this mode.
3. You can select between different layouts for on-screen identification of input channels in the surround sound mode. Please note that the physical audio inputs must always be connected in the following order, shown in the first table.

Channel	1	2	3	4	5	6	7	8
	Left	Right	Center	Left Surround	Right Surround	Sub	Left Center	Right Center

The following PPM layouts are available:

Channel	1	2	3	4	5	6	7	8
5.1	Left Surround	Left	Center	Right	Right Surround	Sub		
5.1	Left	Right	Center	Left Surround	Right Surround	Sub		
5.1	Left	Right	Left Surround	Right Surround	Center	Sub		
5.1	Left	Center	Right	Left Surround	Right Surround	Sub		
7.1	Left	Left Center	Center	Right Center	Right	Left Surround	Right Surround	Sub
4.0	Left	Right	Center	Surround				
4.0	Left	Center	Right	Surround				

You can change to any of these versions by downloading it to the MSD800 from a PC. The necessary software is available in file LAYOUT.BAT on the enclosed floppy disk.

To download the file you must connect your MSD800 to a PC via the COM port. Both COM 1 and COM 2 can be used.

Now type LAYOUT and the batch file will start. Then follow the instructions on the PC monitor screen.

4. The enclosed floppy disk has the new software programme "DK-SCALE". The scale design and configuration possibilities available in this program are described in detail in the enclosed manual.

PIN CONFIGURATION FOR MSD800

MSD800 has two DSUB connectors on the rear of the cabinet:

1. The 25-pole DSUB connector for AUDIO INPUTS and Vcc.
2. The 9-pole DSUB connector for AUDIO OUTPUTS, COMMUNICATION RS232 and Vcc.

Note.: Power (Vcc) can be supplied either through the 25-pole or the 9-pole DSUB.

25-pole DSUB Pin Configuration:

	<i>Hot</i>	<i>Cold</i>	<i>Ground</i>
<i>Input Channel 1</i>	14	1	2
<i>Input Channel 2</i>	3	15	16
<i>Input Channel 3</i>	17	4	5
<i>Input Channel 4</i>	6	18	19
<i>Input Channel 5</i>	20	7	8
<i>Input Channel 6</i>	9	21	22
<i>Input Channel 7</i>	23	10	11
<i>Input Channel 8</i>	12	24	13
<i>Power = 25</i>			

9-pole DSUB Pin Configuration:

	<i>Hot</i>	<i>Cold</i>	<i>Ground</i>
<i>Output Channel 1</i>	7	6	1
<i>Output Channel 2</i>	9	8	5
<i>RS232</i>	TX=2	RX=3	1 or 5
<i>Power</i>	4		