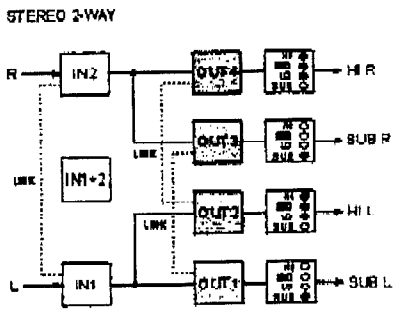
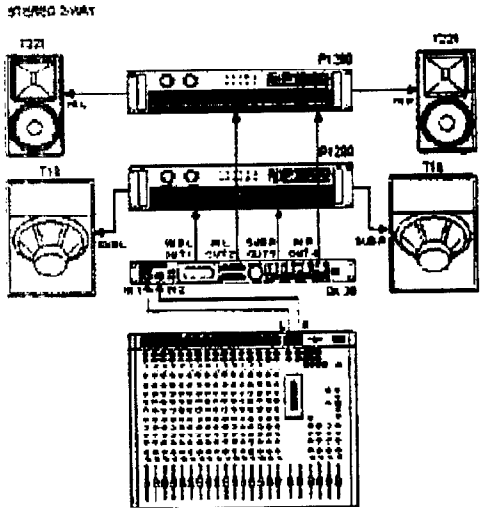
CONFIGURATIONS OF THE Dx 38

6.1 Stereo 2 Way

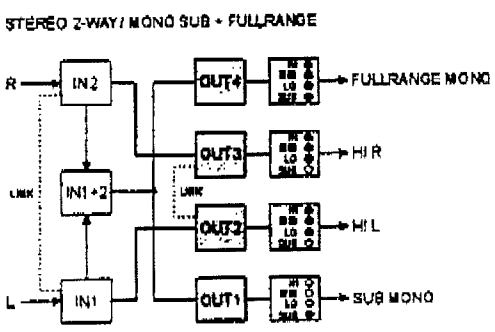
This configuration generally represents a 2-way stereo frequency crossover, where IN 1 serves as the left input channel and IN 2 as the right input channel. OUT 1 is the left Low-range output and OUT 2 is the left High-range output. OUT 3 and OUT 4 are the corresponding right Low-range and High-range output channels. The parameters of the inputs 1 and 2 as well as the ones of the Low-range and High-range outputs are always set to identical values; i. e.: the left and right channels are linked. The following figures illustrate the input / output routing of a typical STEREO 2-WAY installation.

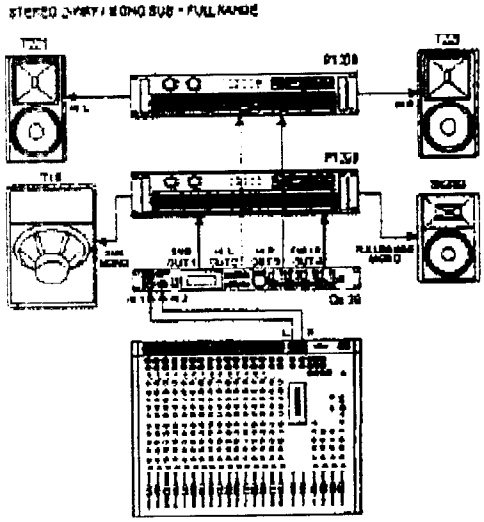




6.2 Stereo 2 Way / Mono Sub + Fullrange

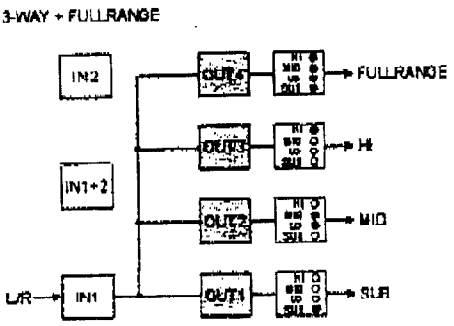
This configuration represents a 2-way frequency crossover with monaural sub-channel and additional Fullrange output. OUT 1 is the sub-channel that is fed by the summed audio signals of the inputs IN 1 and IN 2. OUT 2 and OUT 3 are the left and right High-range output channels. OUT 4 is a Fullrange output that is also fed by the summed signal of the inputs IN 1 and IN 2. For example, this output signal can be used to provide sound reinforcement in adjacent rooms. The parameters of the inputs 1 and 2 as well as the ones of the two High-range outputs are always set to identical values; i. e.: the left and right channels are linked. The following signal flow diagram is meant to illustrate the input / output routing scheme. The figure on the right bottom shows a typical configuration with monaural sub woofer and additional Fullrange installation.

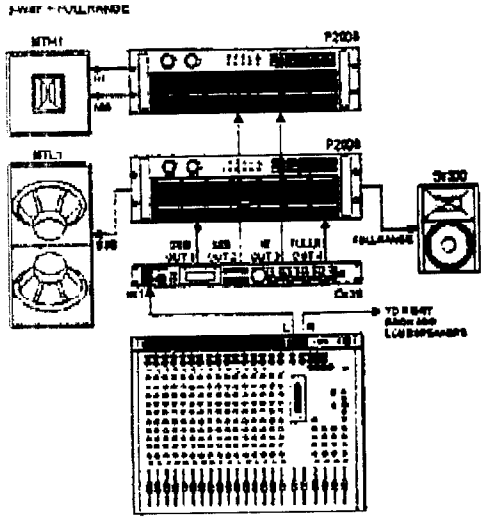




6.3 3 Way + Fullrange

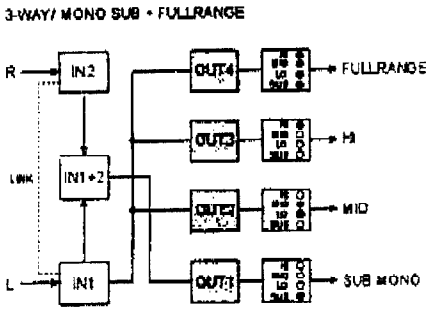
The 3-Way + Fullrange configuration is a 3-way monaural x-over with additional full range output where IN 1 serves as input channel. OUT 1 is the Sub-range channel, OUT 2 the Mid-range channel, OUT 3 the High-range channel, and OUT 4 is the Fullrange channel. OUT 4 can be used for example for monitoring, delayed full range-systems or to provide separate sound reinforcement in adjacent rooms. The internal structure of the 3-Way + Fullrange configuration is shown in the following signal flow diagram. An example of a typical 3-Way + Fullrange configuration is shown in the figure on the right bottom. Two Dx 38s are necessary for stereo operation.

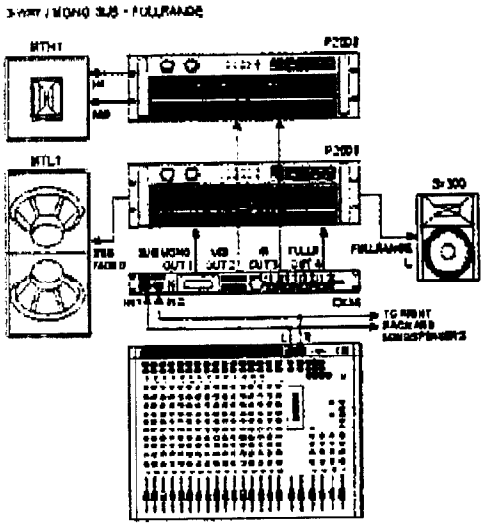




6.4 3 Way / Mono Sub + Fullrange

This configuration also represents a 3-way frequency crossover with additional full range output, with the difference that the Sub-range channel OUT 1 is fed by the summed mono signal of the inputs IN 1 and IN 2. The outputs OUT 2 ... OUT 4 get their signal-feed from the input channel IN 1. OUT 2 is the Mid-range channel, OUT 3 the High-range channel, and OUT 4 the Fullrange channel. OUT 4 can be used for instance for monitoring, delayed full range-systems or to provide separate sound reinforcement in adjacent rooms. The internal structure of the 3-Way / Mono Sub + Fullrange configuration is shown in the following signal flow diagram. An example of a typical system configuration for this structure is shown next to the diagram. Two Dx 38s are necessary for stereo operation.

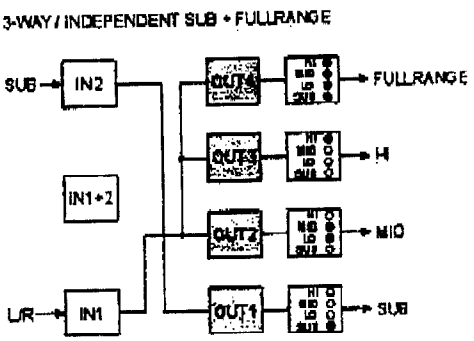


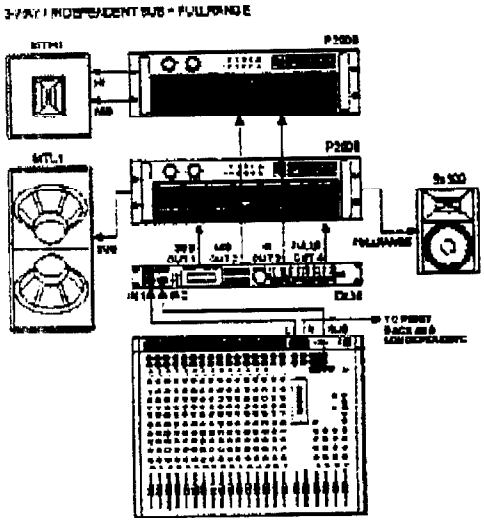


CONFIGURATIONS OF THE Dx 38

6.5 3 Way / Independent Sub + Fullrange

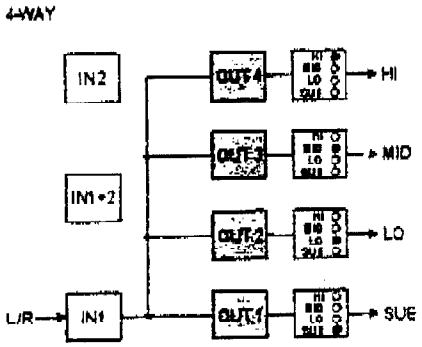
As well as the two previous configurations, this configuration also represents a 3-way frequency crossover with additional full range output, with the difference that the Sub-range channel OUT 1 gets its signal-feed from the input channel IN 2. Thus, it is independent from the other output channels. The audio signal for the outputs OUT 2 ... OUT 4 is fed from the input channel IN 1. OUT 2 is the Mid-range channel, OUT 3 the High-range channel, and OUT 4 the Fullrange channel. OUT 4 can be used for instance for monitoring, delayed full range-systems or to provide separate sound reinforcement in adjacent rooms. The internal structure of the 3-Way / Independent Sub + Fullrange configuration is shown in the following signal flow diagram. An example of a typical system configuration for this structure is shown next to the diagram. Two Dx 38s are necessary for stereo operation.

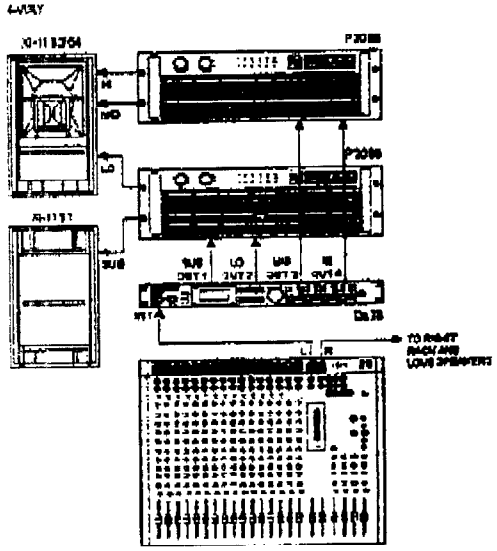




6.6 4 Way

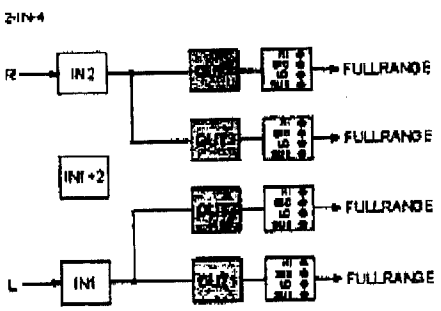
The 4-Way configuration is a monaural 4-way frequency x-over. All outputs are fed by the input channel IN 1. OUT 1 is the Sub-range channel, OUT 2 the Low-range channel, OUT 3 the Mid-range channel, and OUT 4 the High-range channel. The internal structure of the 4-Way configuration is shown in the following signal flow diagram. An example of a typical system configuration for this structure is shown in the figure on the right bottom. Two Dx 38s are necessary for stereo operation.

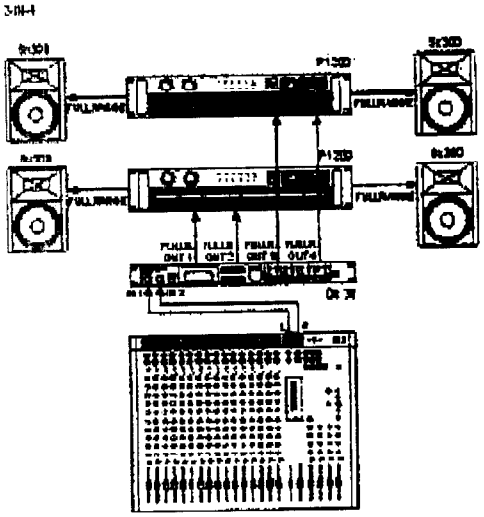




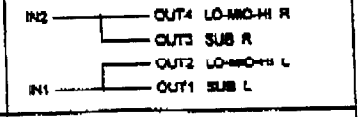
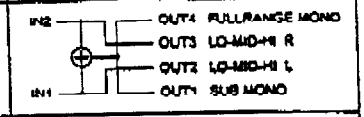
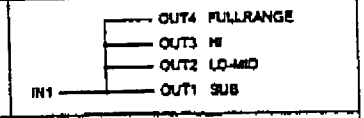
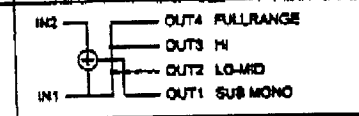
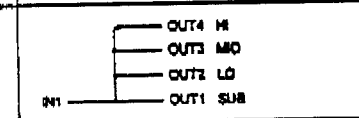
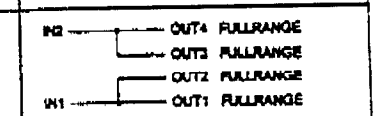
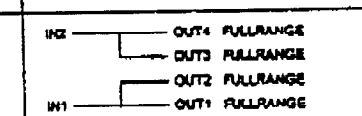
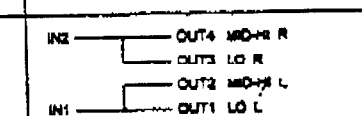
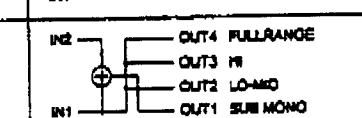
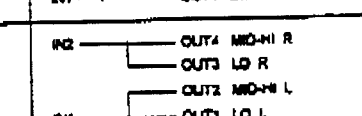
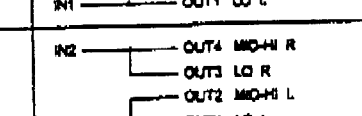
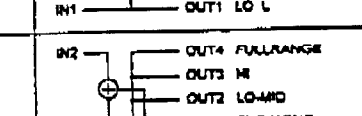
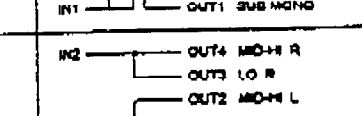
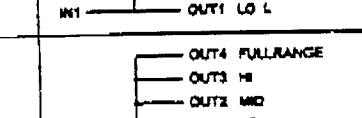
6.7 2-IN-4

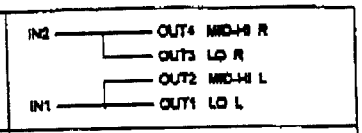
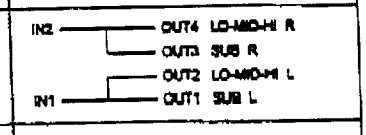
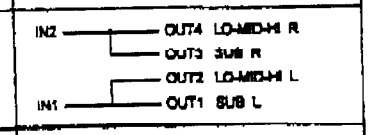
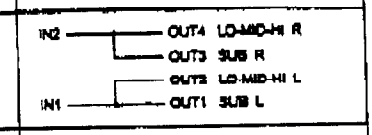
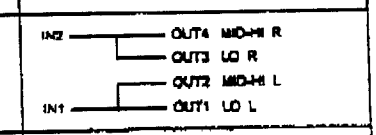
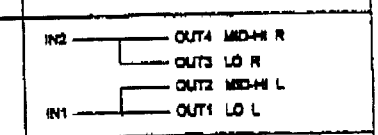
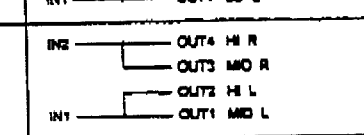
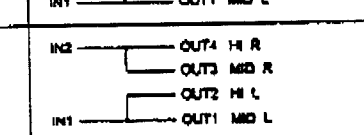
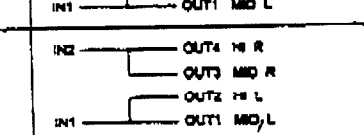
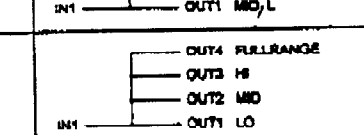
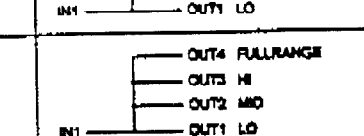
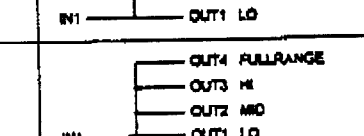
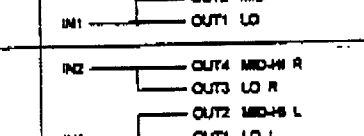
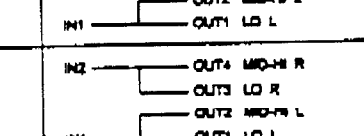
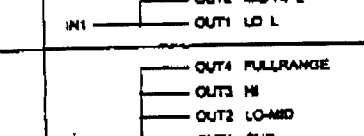
In this configuration, all 4 outputs are configured for full range operation. OUT 1 and OUT 2 get their signal-feed from the input channel IN 1 while OUT 3 and OUT 4 are fed from the input channel IN 2. This structure is suitable for instance for the equalization of full range (wide-band) loudspeaker systems or passive multi-way systems. The following signal flow diagram shows the assignment of the inputs and outputs. An example of a typical multi-channel, full range sound reinforcement system configuration is shown in the figure next to the diagram.

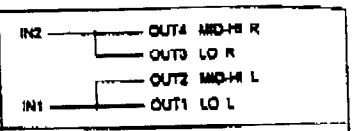
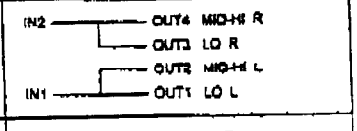
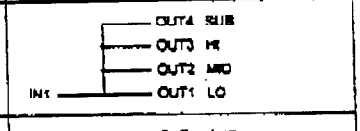
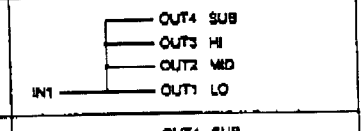
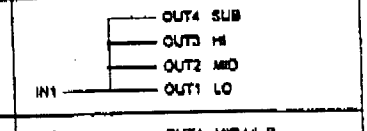
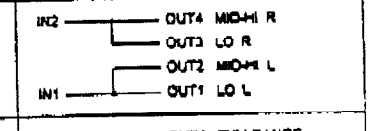
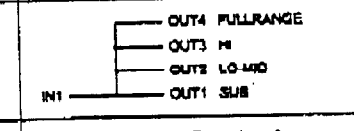
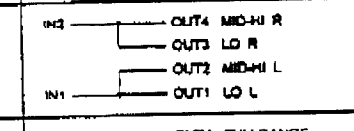
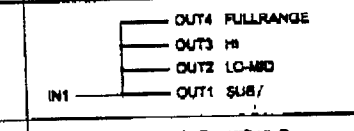
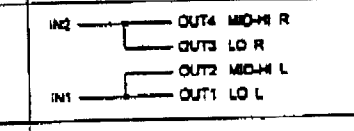
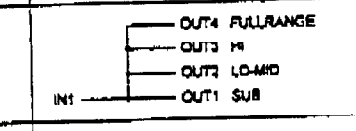
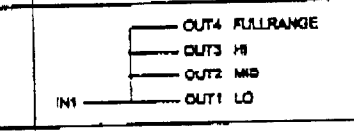
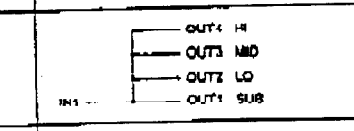
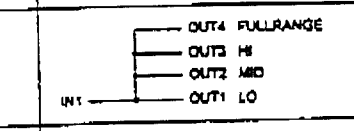
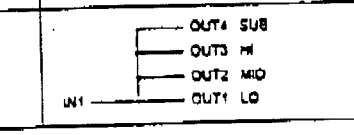


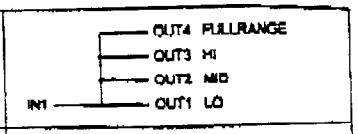
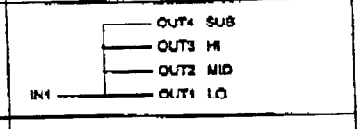
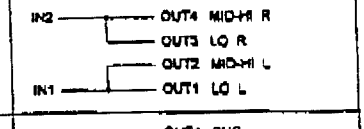
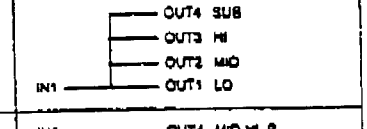
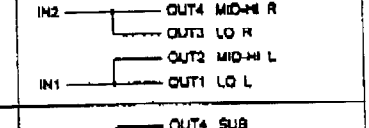


Dx 38 Factory Presets

Program Number	Name	Configuration	Routing
F01	Stereo 2-Way	Stereo 2 Way	
F02	2-Way/MonSub	Stereo 2 Way / Mono Sub + Fullrange	
F03	3Way/Fullr	3 Way + Fullrange	
F04	3Way/Sub	3 Way / Mono Sub + Fullrange	
F05	4-Way	4 Way	
F06	Free Config	2-In-4	
F07	2-In-4	2-In-4	
F08	Sx500+	Stereo 2 Way	
F09	Sx500+/Sb180	3 Way / Mono Sub + Fullrange	
F10	T221,T221M	Stereo 2 Way	
F11	T251+	Stereo 2 Way	
F12	T251+/Sb180	3 Way / Mono Sub + Fullrange	
F13	T252	Stereo 2 Way	
F14	MTL1/MTH1	3 Way + Fullrange	

F15	MTL1MTH1	Stereo 2 Way	
F16	Sb180/Fullra	Stereo 2 Way	
F17	T18/Fullran	Stereo 2 Way	
F18	MTL1/Fullr	Stereo 2 Way	
F19	FRX640	Stereo 2 Way	
F20	FRX940	Stereo 2 Way	
F21	MH4020AC	Stereo 2 Way	
F22	MH6040AC	Stereo 2 Way	
F23	MH9040AC	Stereo 2 Way	
F24	MHPI940C	3 Way + Fullrange	
F25	MHPI660C	3 Way + Fullrange	
F26	MHPI640C	3 Way + Fullrange	
F27	DME1152/64	Stereo 2 Way	
F28	DME1152/94	Stereo 2 Way	
F29	DME115264/81	3 Way + Fullrange	

F30	Xw12	Stereo 2 Way	
F31	Xw15	Stereo 2 Way	
F32	Xb/Xf/Xds	4 Way	
F33	Xcb/Xcn/Xds	4 Way	
F34	Xn/Xds	4 Way	
F35	Xi1122/85	Stereo 2 Way	
F36	Xi112285/91	3 Way + Fullrange	
F37	Xi1152/64	Stereo 2 Way	
F38	Xi115264/91	3 Way + Fullrange	
F39	Xi1152/94	Stereo 2 Way	
F40	Xi115294/91	3 Way + Fullrange	
F41	Xi1183/64	3 Way + Fullrange	
F42	Xi1183/64/91	4 Way	
F43	Xi1153/64	3 Way + Fullrange	
F44	Xi1153/64/91	4 Way	

F45	Xi2153/64	3 Way + Fullrange	
F46	Xi2153/64/91	4 Way	
F47	Xi1123/106	Stereo 2 Way	
F48	Xi1123/6/91	4 Way	
F49	Xi2123/106	Stereo 2 Way	
F50	Xi2123/6/91	4 Way