

D2I MultiFeed



The D2I MultiFeed distributes one word clock signal to six outputs, and up to four different AES/EBU signals to 16 outputs.

AES/EBU Distributor

AES inputs and outputs are available on 15-pin D-type connectors. The distributor can also be used for distributing an AES/EBU frame clock.

Word Clock Distributor

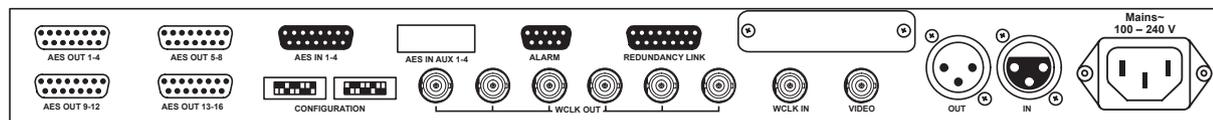
Input and the outputs are equipped with BNC sockets. Input sensitivity is $1 V_{pp}$, regardless of any DC level. The polarity of three of the WCLK outputs can be inverted with an internal jumper.

Redundant Power Supply (Optional)

It is possible to install a second, redundant power supply into a single distributor unit. The WARN LED then indicates a supply failure; in such a case, normal operation is still maintained. The WARN signal is also available at the ALARM socket.

Redundant Inputs (Optional)

When using this option, all main inputs are equipped with an additional redundant input. Automatic switchover to the corresponding redundant input takes place if one or more of the main inputs do not receive a valid AES/EBU signal. Thus, important outputs (such as program feeds) can be made very reliable. For each of the main inputs a sampling frequency converter (SFC) can be inserted into the signal path (with internal jumpers); redundant inputs always have SFCs in their signal path. With the redundancy input option, the input signal range is limited to 96 kHz, and the output signal range to 48 kHz.



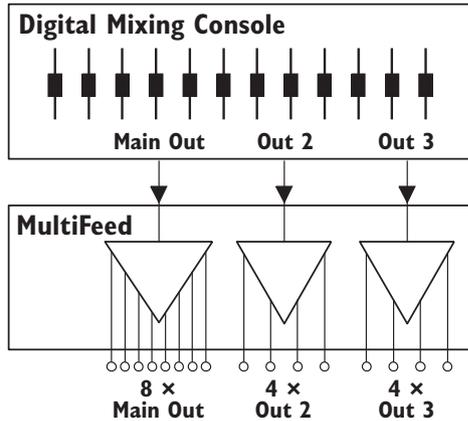
D2I MultiFeed, Rear View

Applications

Digital Mixing Console

In most applications, the different output signals of a digital console have to be distributed to different targets. For example, the main output has to be distributed to the master control room, to a digital harddisk workstation, and to several other recording devices.

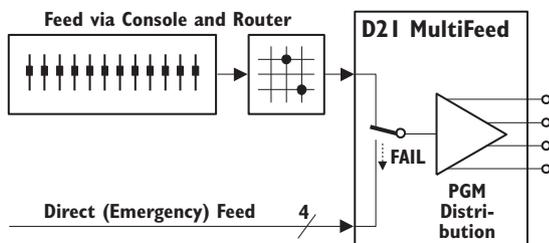
As the outputs of a MultiFeed can be configured in such a way that they distribute different signals, it is possible to use eight of them for the distribution of the main output, and four of them each for two other signals, such as AUX outputs or a second master output.



Emergency Feeds

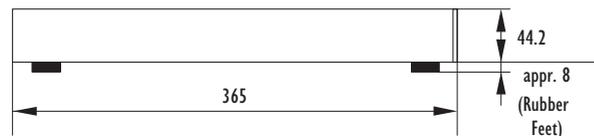
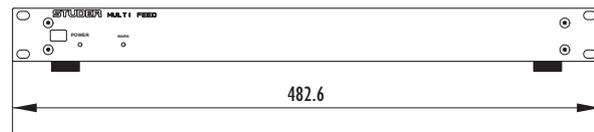
Each of the MultiFeed's inputs can be equipped with an additional input when using the redundant input option. It automatically switches over to the corresponding redundant input if one or more of the main inputs do not receive a valid AES/EBU signal. Thus, important outputs (such as program feeds) can be made very reliable.

In the example below, the MultiFeed will switch over to the emergency feeds in the same moment when the program feed via console and router is interrupted. This ensures that the important system outputs will never be without a signal.



Technical Specifications (subject to change without notice)

Inputs	AES/EBU	Impedance	110 Ω typ.
		Sensitivity	min. 0.2 V _{pp}
		Sampling rate	30...200 kHz according to AES3 1992
	Word Clock	Impedance	hi-Z or 75 Ω (jumper)
Outputs	AES/EBU	Impedance	110 Ω typ.
		Output level with 110 Ω load:	5 V _{pp}
		Sampling rate	30...200 kHz according to AES3 1992
	Word Clock	Impedance	75 Ω, TTL level
			3 outputs can be inverted (jumper)
Supply	Mains Voltage		100...240 V _{AC} , 50...60 Hz
	Current Consumption		1...0.5 A
	Power Inlet		IEC 320/C14
Weight			appr. 5 kg
Dimensions [mm]			



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