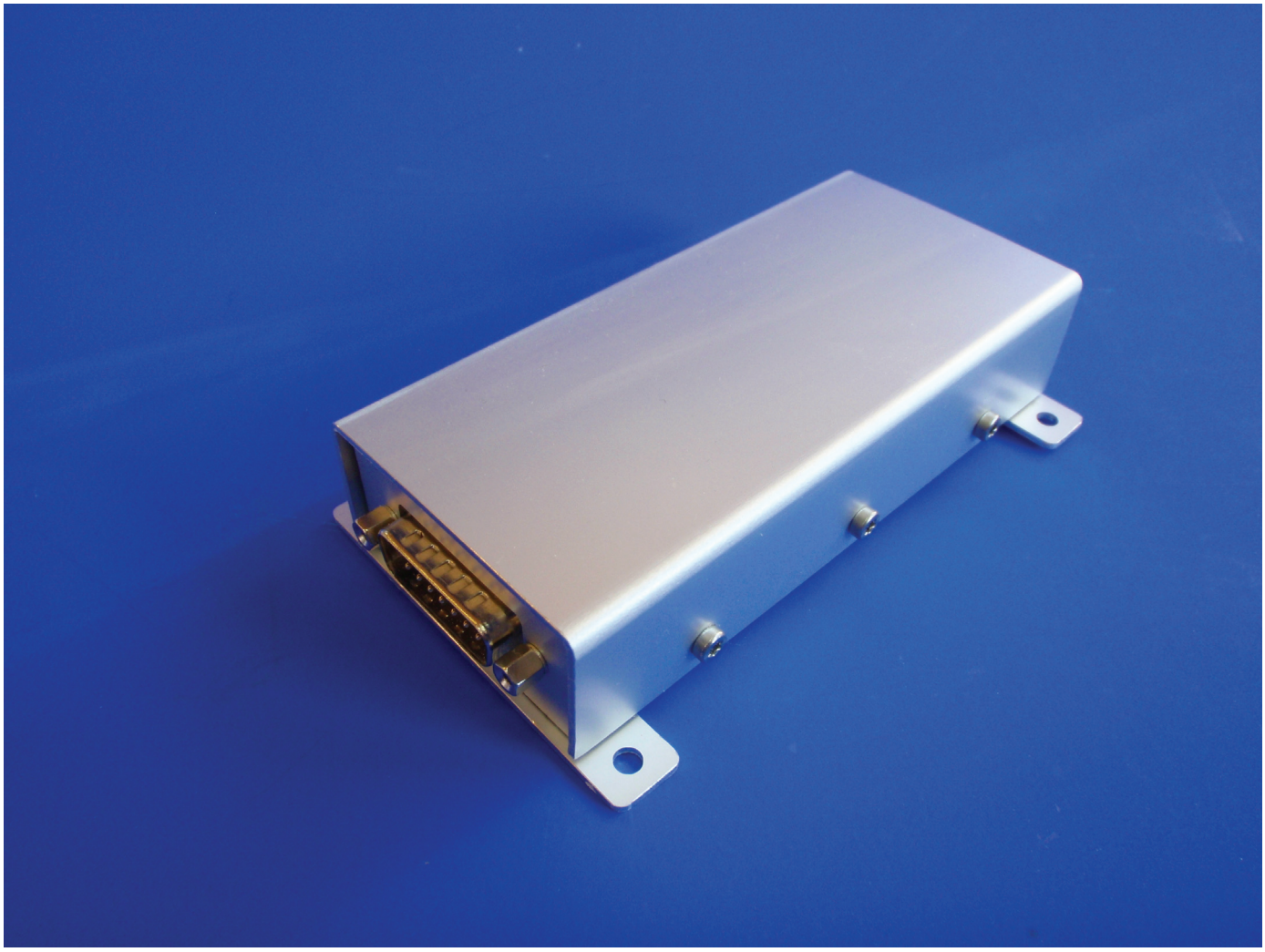


R&R summing amplifier RR-P-486

dimensions	approx. 118 x 72 x 28,5 mm
drawing	DNR18018
power supply	28 volts DC (18 ...34 volts) max. 3 watts
electrical parameter	2 input channels stereo symmetric input impedance approx. 100kΩ 1 output channel symmetric output impedance approx. 600Ω bandwidth beyond 20 KHz

Input connector D-Sub 15 pin male

			1	audio channel 1 - left+
audio channel 1 - left-	9			
			2	audio channel 1 - right+
audio channel 1 - right-	10			
			3	audio channel 2 - left+
audio channel 2 - left-	11			
			4	audio channel 2 - right+
audio channel 2 - right-	12			
			5	audio-ground
audio-ground	13			
			6	
	14			
			7	
0V thru	15			
			8	+28V thru

Output connector D-Sub 15 pin female

audio-out-Left+	1			
			9	audio-out-Left-
audio-out-Right+	2			
			10	audio-out-Right-
audio-ground	3			
			11	ch. 1 volume -
ch. 1 volume +	4			
			12	ch. 1 balance-right
ch. 1 balance-left	5			
			13	ch. 2 volume -
ch. 2 volume +	6			
			14	ch. 2 balance-right
ch. 2 balance-left	7			
			15	0V-thru
+28V-thru	8			

audio inputs
symmetric inputs, input impedance approx. 100 KΩ
nominal input level 0.1 volts RMS

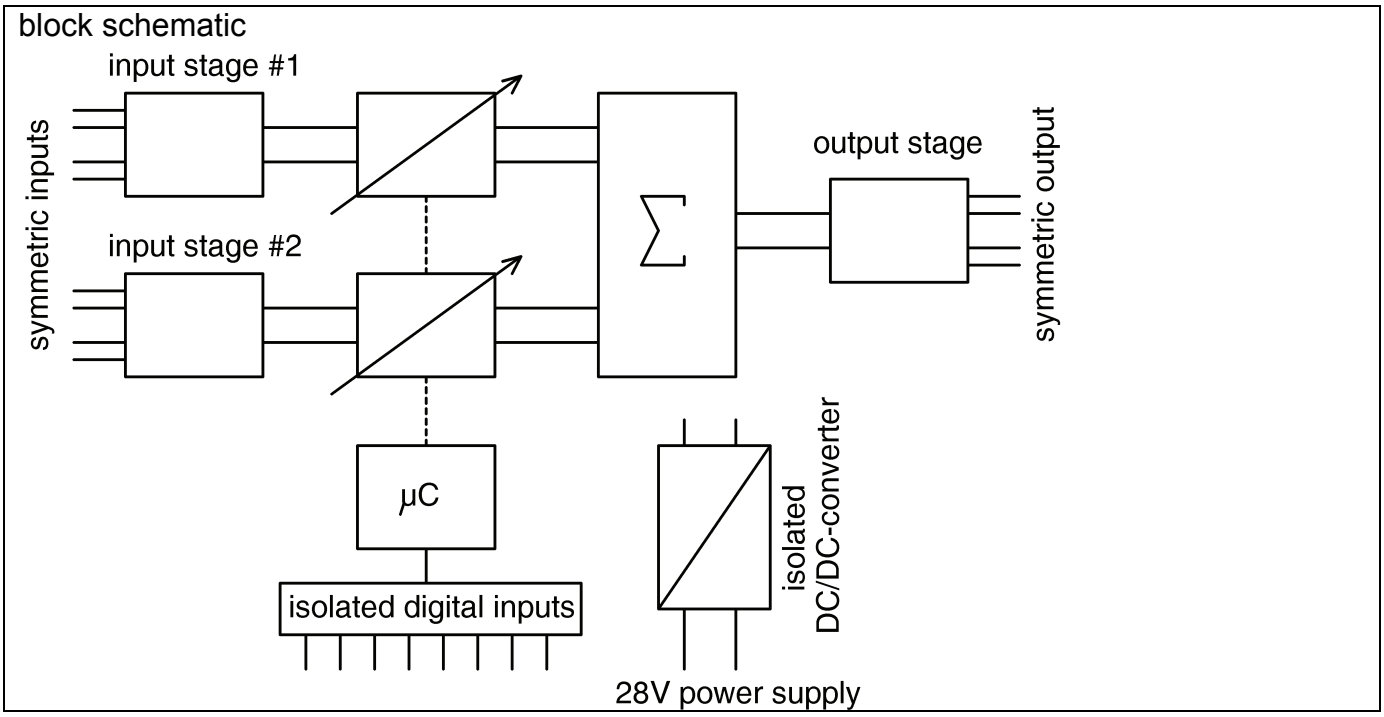
audio output
symmetric outputs output impedance approx. 600 Ω
nominal output level 0.1 volts RMS
maximum level: 14 volts peak to peak (5 volts RMS)
short-circuit-proof

digital inputs
optical isolated digital input
internal pull up resistors 4.7 KΩ connected to +28V power supply
low active, pull down to 0V (+28V-return)

power supply
28V DC (18V to 34V) power consumption maximal 3 watts
maximum current from input- to output-connector 5 Ampere continues

tuning range
volume from -40 dB to +20 dB
balance from -40 dB to 0 dB
time to change from minimum to maximum gain / balance 5 seconds with increasing speed
power up conditions:
gain from input channel #1 to output 0 dB , balance 0 dB
gain from input channel #2 to output 0 dB , balance 0 dB

other characteristics on request !


block schematic
input stage #1
input stage #2
symmetric inputs
output stage
symmetric output
µC
isolated digital inputs
isolated
DC/DC-converter
28V power supply