Analog surround mixer with 6 microphone and 4 line inputs

6 microphone input:
- Gain first stage: 6 to 29dB, 1 dB steps
- Gain second stage: 0dB, +12dB or 24dB
- pre-amplifier direct output

4 line input:
- Gain: 0dB
- Separated stereo and surround inputs
  Inputs can be linked

Stereo part:
- Level: 0 -11dB
- Panning with switch
- Stereo on/off switch with control led

Surround part:
- Panning: front-rear,
- Front: left-mid or Mid-right
- Rear: left-right
- Front on/off switch
- Rear on/off switch

- Outputs: front l, front M, front R, rear L, rear R
  double stereo
- Oscillator switch (for calibration) with XLR: 7,75Veff +20dBu
- All XLR: pin 2=hot, pin 3=cold
  (microphone input and all outputs are balanced, line input is unbalanced)

Technical specifications
- Frequency response: 2.5 Hz to 500 KHz (-3dB)
- Maximum level all outputs: 10V (+22dBu)
- Impedance all outputs: 75Ohm
- Impedance all inputs: 5KOhm
- Channel separation, 1 kHz to 20 KHz: 80dB
- Signal to noise ratio (mix bus) 96dB (ref = 0dBu input signal, A-weighted)
- CMRR at 1KHz >90dB
- Mixer size: 45*26*27cm, 19” case 6He high, weight: 10,5kg

Pre-Amplifier part:

Measurements at gain	6 dB	53 dB	Notes
Equivalent noise level	1,3 µV	0,21µV	A-weighted, Ri = 39 Ohms
Signal to noise ratio	117dB	131 dB	ref = 0dBu input signal, A-weighted
Distortion 1 kHz 2nd Harmonic	-120 dB	-103 dB	5V output level
3nd Harmonic	-125 dB	-115 dB	
Distortion 10 kHz 2nd Harmonic	-119 dB	-104 dB	5V output level
3nd Harmonic	-112 dB	-115 dB	