



Modern mixer equipped into DSP signaling processor which allows precise correction of sound characteristic in buildings with very difficult acoustic conditions. Mixer activates only those microphones that are being used at the moment, which eliminates the influence of the surrounding sounds coming from unnecessarily opened microphone channels (one of the programming option).

### Equipment of a digital mixer with DSP processor:

- 16 programmable or linear symmetrical microphone inputs (XLR socket) with sensitivity control, gain control, high and low tones control and controlling level indicator ;
- in each microphone channel there is: 100Hz filter turned on, microphone/line changeover and Phantom power supply;
- automatic echo elimination;
- universal RCA (Cinch) input with gain control and with soprano and bass control ;
- 10-point parametric input equalizer: - frequency control from 20 Hz to 20 kHz, - width band control from 0,05 to 3 dB/oct. - depth band control from -12dB to +12dB
- 4 symmetrical output 0dB (4x 2XLR): - gain control - delay line control (from 0 to 170m), - 5-point parametric equalizer ( frequency control from 20 Hz to 20kHz), width band control from 0,05 to 3 dB/oct. depth band control from -12dB to +12dB;
- acoustic feedback suppressor turned on;
- 2 symmetrical output 0 db to subwoofer ;
- 2 symmetrical output to record ;
- to build in to rack 19" type cabinet;

Technical data AMX20-DSP4A	
Microphone and linear inputs, programmable, symmetrical and electronic	inputs XLR: 1-16
- MIC/LINE switch	yes
- MIC sensitivity control	-40dB -15dB
- LINE-sensitivity control	-15dB +5dB
- Impedance	1,6 kΩ
- Phantom power	48V DC
- HPF-Filter	100 Hz, 6dB/oct.
- Adjustment: bass, soprano	±12dB, 100 Hz, 10 kHz, shelf filter
- Signaling	green diode - active channel, red diode - clipping
Universal input (mono)	inputs RCA: 17 i 18; XLR: 19,20
- input sensitivity	-10dB +12dB
- impedance	10 kΩ
- adjustment: bass, soprano	±12dB, 100 Hz, 10 kHz, shelf filter
10-point parametric equalizer on DSP input	±12 dB, 0,05 3oct; 20Hz 21,2kHz
5-point parametric equalizer in 4 output channels	±12 dB, 0,05 3oct; 20Hz 21,2kHz
Acoustic feedback suppressor	adaptive, phase shifter
Delay in 4 output channels	0 - 85 m

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MP3 player	yes
MP3 player remote control	yes
De-esser	800Hz - 8kHz 0dB - -20dB
Harmonic distortions	< 0,08%
Subwoofer output	assigned channel 16 and universal inputs 17-20
Work temperature	from -5°C to +40°C
Dimensions width/height/depth [mm]	483 x 270 x 340
Weight [kg]	12,5kg