A modern amplifier equipped with a DSP signal processor, which enables precise correction of the sound characteristics in facilities with very difficult acoustic conditions.

Equipment of the amplifier with DSP processor:
- six balanced XLR microphone or line inputs with adjustable sensitivity, gain, treble and bass, and signaling clipping
- switchable 100Hz filter on each microphone channel, microphone / line switching and phantom power
- selection of one of the two saved settings (preset for a small or large number of people in the facility)
- universal RCA (Cinch) input with gain, treble and bass controls
- 15-point EQ with selectable parametric filter or shelving filter
- frequency adjustment from 20 Hz to 20 kHz
- bandwidth adjustment from 0.05 to 3 dB / oct.
- band depth adjustment from -12 dB to +12 dB
- selection of the type of shelf filter LoSh6, LoSh12, HiSh6, HiSh12
- 0dB XLR balanced output
- gain control
- delay line adjustment (from 0 to 170m)
- acoustic feedback suppressor
- power amplifier protections: temperature, short-circuit, current, RF protection, limiter
- can be installed in a 19 "rack

Technical data	MWL-7DSP1-D2/200	MWL-7DSP1-D2/400
Power output	200W	400W
Programmable, balanced, electronic microphone and line inputs	inputs XLR: 1-6	inputs XLR: 1-6
– Switch MIC/LINE	yes	yes
– MIC sensitivity adjustment	-40dB -15dB	-40dB -15dB
– LINE sensitivity adjustment	-15dB +5dB	-15dB +5dB
– Impedance	1,6kΩ	1,6kΩ
– Phantom power	24V DC	24V DC
– HPF filter	100 Hz, 6dB/oct.	100 Hz, 6dB/oct.
– Regulation: bass, soprano	±12dB, 100 Hz, 10 kHz, shelf filter	±12dB, 100 Hz, 10 kHz, shelf filter
– signaling	green LED – active channel red LED – overdrive	green LED – active channel red LED – overdrive
Universal input (mono)	input RCA: 7	input RCA: 7
– input sensitivity	-10dB +12dB	-10dB +12dB
– impedance	10kΩ	10kΩ
– regulation: bass, soprano	±12dB, 100 Hz, 10 kHz, shelf filter	±12dB, 100 Hz, 10 kHz, shelf filter
Limiter	double, peak: on the DSP input and on the power amplifier	double, peak: on the DSP input and on the power amplifier

Technical data	MWL-7DSP1-D2/200	MWL-7DSP1-D2/400
15-point parametric or shelving EQ	±12 dB, 0,05 3oct. LoSh6, LoSh12 HiSh6, HiSh12	±12 dB, 0,05 3oct. LoSh6, LoSh12 HiSh6, HiSh12
Acoustic feedback eliminator	adaptive; phase shifter	adaptive; phase shifter
Delay	0 – 85m	0 – 85m
Output	100V, 70V, 50V, 8Ω, 4Ω	100V, 70V, 50V, 8Ω, 4Ω
Regulated zone output	6-step adjustment 0-100V	6-step adjustment 0-100V
Frequency response	40 – 22 000 Hz	40 – 22 000 Hz
Nonlinear distortions	< 0,1%	< 0,1%
Working temperature	from -5°C to + 40°C	from -5°C to + 40°C
Dimensions width/height/depth [mm]	443 x 95 x 340	443 x 95 x 340
Dimensions with rack handles, width/height/depth [mm]	483 x 95 x 340	483 x 95 x 340
Weight [kg]	12	13,5