

Loudspeaker Management

DSP-428



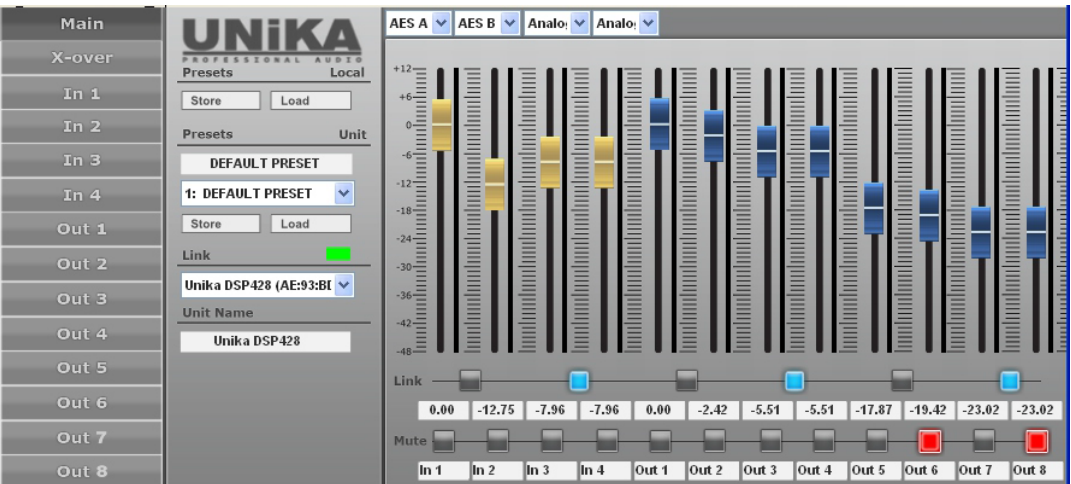
SPECIFICATIONS

DSP-428	
Input Type	4 analog input, 1 AES/EBU input, 1 Dante audio network input.
Input Impedance	20K
Output Type	8 Analog Electronically Balanced outputs.
Output Impedance	100 Ohm
Dynamic range (inputs)	118dB
Dynamic range (outputs)	114dB
Nominal input level	+6dBu
Maximum input level	+22dBu
Nominal output level	+6dBu
Maximum output level	+12dBu
Digital processing	64 bits
Audio Sampling Rate	48KHz
96KHz AD/DA converter	24bits
THD @ 1KHz, +12dBu	<0.01%
Frequency response 10Hz to 22kHz	±0.25dB.
Parametric filters per input and output	10
Parametric EQ filters can be set as	Bell, High Shelf, Low Shelf, Notch, Band Pass, High Pass, Low Pass, AllPass
Parametric EQ filter Boost/Cut range	±12dB
Parametric EQ filters Q value adjustable	0.2~ 25
Parametric EQ filter frequency range adjustable	20Hz ~ 20KHz
Notch filters Q value adjustable	10 ~ 80.
Butterworth,Bessel, LinkwitzRiley crossover filters	24dB / Octave.
Delay per input / output	2000ms
Delay per output measured in	0.001ms/step, 0.343mm/step or 13.514mil/step.

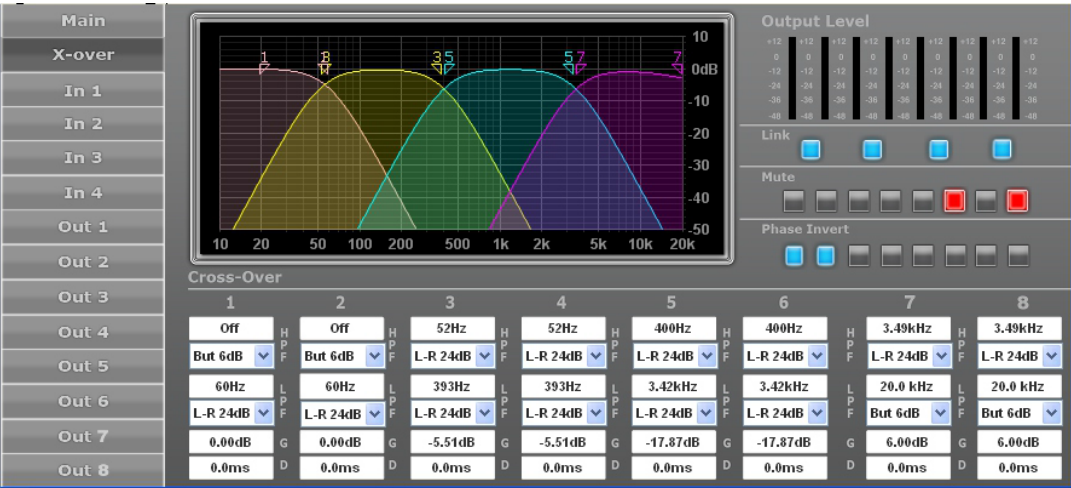
Limiter & Compressor for each input and output:

Threshold range	-48dBu ~ +24dBu
Ratio range	1.2:1 to Inf:1
Attack time range	1ms ~ 10sec.
Release time range	1ms ~ 10sec.
Compression Hold time	1ms ~ 10sec.
Makeup gain	-12dB~ +12dB
Phase invert switchable for outputs	180°
Latency	640 μs
Mute control on	inputs / outputs
presets can be stored & recalled on the unit and backup to the PC	50
Languages	Englis.Spanish.
Universal Power Supply	100~240VAC, 50/60Hz, 20W max
Weight	2.5 Kg
Dimensons	483x145x44mm

Main control screen



Crossover control panel



Parametric EQ curve display

