

SUPPORT MADE IN ITALY
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DSP
DIGITAL SIGNAL PROCESSING

X5 plus³

Digital Processor with DSP



X5 plus³

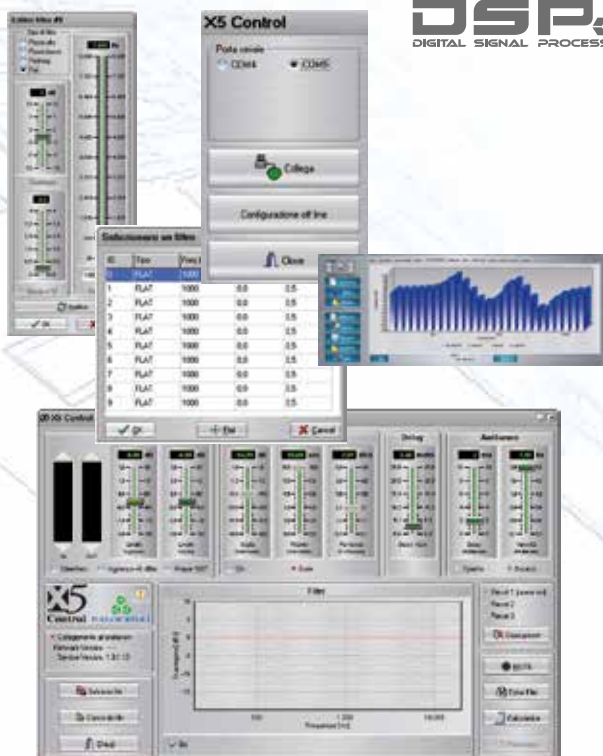
Multifunction Digital processor with DSP, encloses 5 devices indispensable to achieve high performance in reverberant environments.

Fulgor Service digital technology enriches its catalog with the third generation of a revolutionary device, that exploiting the DSP potential performs many features that have become fundamental and indispensable in any audio installation. The main features can be summarized in 5 essential points:

1. ANTILARSEN function with double algorithm: the classical frequency shift and the innovative technology in phase modulation which allows to have greater cleaning of the treated signal, and a less evident interpolation with audio signals having many harmonics (typically the sound of an organ)
2. EQ function with 10 fully configurable filters (PA, PB, PEAKING, FLAT), you get a proper tone in reverberant or acoustically difficult environments.
3. DELAY function on output with scale in meters for an easy adjustment of the delay (configurable between 0 and 25 meters) useful for the re-timing of multiple lines of speakers or virtually Keep away microphone from the speakers.
4. NOISE GATE function on input and output with 3 controls (LEVEL, SUPPORTING, DECAY).
5. PRESET function with an user interface provided with 3 momentary buttons, equipped with the POWER UP function set on Preset 1; possibility to change any parameters of the machine re-calling a preset.

TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS



DSP
DIGITAL SIGNAL PROCESSING

- NUMBER OF BITS _____ 24
- SAMPLING FREQUENCY _____ 42 KHz
- DYNAMICS _____ 96 dB
- INPUT LEVEL _____ -20 dBμ +8 dBμ
- IMPEDANCE INPUT _____ 6K Ohm
- OUTPUT LEVEL _____ 0 dB (+ 10 dBμ max)
- OUTPUT IMPEDANCE _____ 100 Ohm
- FREQUENCY RESPONSE _____ 20HZ/20KHz -1dB
- OPERATING TEMPERATURE _____ -5+40° C
- POWER SUPPLY _____ 230V ± 10% -50 Hz
- POWER CONSUMPTION _____ 10 VA
- DIMENSIONS (WxHxD) mm _____ 483X45X200 - 1U standard rack
- WEIGHT _____ 3,5 KG

SOFTWARE PROGRAMMABLE

- OUTPUT LEVEL _____ -12 + 6 dB
- INPUT LEVEL _____ ± 12 dB
- ANTILARSEN (2 adjustable parameters with double algorithm)
 - FREQUENCY SHIFT _____ da 0,1 a 50 Hz
 - DELAY: _____ da 0 a 10 ms
- NOISE GATE (3 adjustable parameters) _ threshold, operating delay, decade
- DELAY: _____ max 25 mt
- PARAMETRIC EQ FILTERS: _____ 10 totally adjustable
- PRESET: _____ 3, selectable by keys on front panel
- REVERSAL OF PHASE: _____ 180° programmable

The images are purely illustrative and the details can be changed without any warning

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