Pocket Controller

Professional Digital Sound Controller

The axxent Pocket Controller can process a sound signal in many parameters both directly on the device and with connected computers with Windows-compatible software.

Preferably, this device is used in the signal chain between mixing consoles and amplifiers. It is often used to improve the sound of sound reinforcement systems in churches - both as a delay line to avoid echoes for remote speakers, and also as an additional, useful component to existing analog mixing amplifiers that do not have them, thanks to the diverse frequency filters.

The Pocket Controller can either be attached to the back of loudspeakers by means of mounting brackets, or used as a desktop unit when the same are removed. Due to its extremely compact dimensions of only 15 cm in width, it can be used practically anywhere.

The individual functions of the DSP can be seen in the figure below. The connection to computers is made via the built-in USB interface. Software for installation on Windows-compatible computers is included. The device operates with balanced audio levels up to 15 dBu and high signal-to-noise ratio.

Features:

- All functions can be set directly on the device
- Convenient settings also on the computer
- Delay up to 200 m/580 ms
- Parametric filters
- Shelf filter
- Notch filter
- AllPass filter
- Vari-Q filter
- Bessel/Linkwitz-Riley/Butterworth
- Slope 6/12/18/24/30/36/42/48 dB
- Limiter -27...+15 dB
- Nine non-volatile memory locations
- Sine wave and pink noise generator
- Balanced inputs and outputs, XLR
- Compactness with 15 cm width and 11 cm depth, 5 cm height (width without mounting brackets)
- Mounting by means of mounting bracket or Use it as a small desktop unit.

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Specifications:

Analog Input

Connector	3 pin xlr female
Type	electronic balanced
Input impedance	30 kOhms
Input Level	+15 dBu (max.)
Nominal level	0 dBu

Analog Output

Connector	3 pin xlr male
Type	electronic balanced
Output impedance	600 Ohms balanced
Output Level	+15 dBu (max.)
Nominal level	0 dBu
Output Gain	+/- 0,1 dB

Digital Processing

DSP	1-In/1-Out Sound Controller 32 Bit Floating Point
Audio AD/DA conversion	24/24Bit
Sampling Rate	48 kHz
Delay Range	1...200 m
Delay Steps	1 m increments
Controls	via push buttons, and/or Windows compatible software by through usb connector

General

Dynamic Range	<99 dB
Frequency Range	20...20.000 Hz – 1dB
THD	<0,005%@1 kHz, +15 dBu
Signal to Noise	Master min <92 dB, Master max <86 dB, 20...25.000 Hz
Indicators	Peak/Mute
Power	85...265 VAC, 50/60 Hz, 2.4 W typically.
Power Supply	Integrated, connection with Schuko-cable, 1.8 m length
Dimensions	155x110x50 mm (LxWxH) (without brackets)
Weight	0.67 kg net.

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