# CLIO

**ELECTRICAL & ACOUSTICAL TESTS**

## USB INTERFACE FW-03



## ■ PRODUCT DESCRIPTION

The FW-03 USB Interface sets new hardware precision standards for the CLIO System.
The FW-03 unit has been designed to be a complete two channels professional A/D D/A audio front-end for your PC; it is connected to the computer by a USB 2.0 link giving you maximum performances.
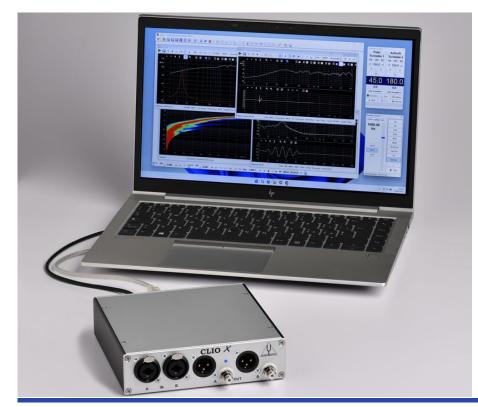The FW-03 performances (24 bit @ 192 kHz) represent state-of-the-art measurement capabilities for any audio device or acoustical test.
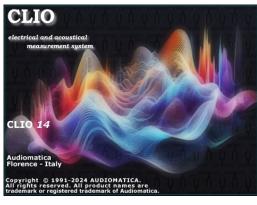The FW-03 is equipped with an instrument grade balanced input and output analog circuitry with an exceptionally wide range of output attenuation and input gain that allows an easy interface to the outer world; the input and output loopback capability with the internal ultra stable voltage reference permit a simple and precise calibration of the whole instrument.
A switchable phantom power supply lets you directly connect an Audiomatica MIC-01, MIC-02, MIC-03 or MIC-04 as well as any other standard balanced microphone to any of the FW-03 input.

## ■ AVAILABLE SOFTWARE

**CLIO 14** system software for Windows 7, 8, 10 or 11.

## ■ FW-03 TECHNICAL SPECIFICATIONS (*preliminary*)

### ■ GENERATOR
Two channels 24 Bit sigma-delta D/A Converter
Frequency range: 1Hz-90kHz
Frequency accuracy: >0.01%
Frequency resolution: 0.01Hz
Output impedance: 660Ohm
Max output level (Sine):17dBu (5.5Vrms)
Attenuation: 0.1 dB steps to full mute
THD+Noise(Sine):0.008%
Digital out: SPDIF

### ■ ANALYZER
Two channels 24 bit sigma-delta A/D Converter
Input range: +40 ÷ -40dBV
Max input acceptance: +40dBV (283Vpp)
Input impedance: 128kOhm (5.6kOhm mic)
Phantom power supply: 24V

### ■ PC SYSTEM RESOURCES
One free USB 2.0 port

### ■ MISCELLANEOUS
Sampling frequencies: 192kHz, 96kHz and 48kHz.
Audio connections: 2 XLR combo analog input,
2 XLR plus 2 RCA analog output, 1 RCA digital output
Digital connection: USB type B
Power supply: external 12V DC
Dimensions :15(w)x16.5(d)x4(h)
Weight: 0.75 kg



*Turns your PC into the most complete easy-to-use electrical and acoustical measurement system ....*

### ■ PC REQUIREMENTS
■ **CLIO 14:** Dual Core 2 GHz, USB 2.0
■ **OS:** Windows 7, 8, 10 or 11

AUDIOMATICA

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