

# AverLAB Audio Analyzer

AverLAB is a bench-friendly analyzer that makes audio testing affordable. With fanless, silent operation and cigar-box size, it fits perfectly on even the most crowded benches. Run tests and adjust parameters using front panel controls, without having to clutter your bench with a keyboard and mouse. And AverLAB's performance and features help you get your day-to-day work done without compromise.

Unlike other portable analyzers, AverLAB is expandable. Very expandable. Ethernet connectivity lets you add over 100 of AverLine rack test modules of analog, digital and general purpose I/O. Connect multiple AverLABs to make a complete test system.

AverLAB works where you do. The 5.5 pound / 2.5 kg unit fits neatly into most standard 15" laptop bags. And, with no USB tether dictating where to work, you are free to access AverLAB from your workbench, desk, during a meeting, even from home.



## Why AverLAB is ideal for your audio tests

- ✓ **High Performance** - Develop products and test them to the highest possible standards.
- ✓ **Front Panel Controls** - Assignable encoder and lighted buttons allow operation on a bench without the clutter of a keyboard and mouse. Make adjustments directly with physical controls and visual feedback.
- ✓ **Outstanding Value** - Low cost. Low cost of ownership—updates, including new features are always free.
- ✓ **Dual Domain** - Test products with both digital and analog audio, such as DACs and ADCs.
- ✓ **Windows and mac OS Support** - Use the operating system that's right for your needs.
- ✓ **Fanless Operation** - Uses only 15W, requiring no fan. Eliminates any annoying noise that might disrupt critical listening tests.
- ✓ **Front Panel Signal LEDs** - Signal status at a glance for all analog and digital inputs and outputs.
- ✓ **Portable** - 5.5 pound / 2.5 kg, fits in a standard laptop bag. Take it with you, carry on an airplane, test where you need to test.
- ✓ **Ethernet Connected** - High performance, easy connection, no drivers needed. Access AverLAB from your bench, desk, laptop, or from the other side of the building with ease.
- ✓ **Native ADAT Support** - Directly test multichannel devices at all sample rates without any external format converters.
- ✓ **External Control** - The rear-panel GPIO (General Purpose I/O) connector provides parallel and serial control of the real world.
- ✓ **Rugged** - Powder-coated metal case, high reliability relays with one billion cycle rated life provides long, reliable life on the road or on the benchtop.



## What AverLAB offers

### Analog Audio

#### Generator

- 2 independent channels, up to 3 oscillators
- Balanced XLR x 2
- Unbalanced BNC x 2
- Frequency range: 10 Hz to 88 kHz, millihertz resolution

#### Analyzer

- 2 independent channels, simultaneous operation
- Balanced XLR x 2
- Unbalanced BNC x 2
- Frequency range: 10 Hz to 88 kHz



### System Features

- Assignable front panel controls
- Ethernet connectivity, supports DHCP, Static IP, AutoIP
- Quiet fan-less design
- 8 lines of general purpose IO
- Front panel signal LEDs, always active
- 15 W power dissipation, 40 W / 12 V power supply
- Universal power supply, 100-240 V, 47-63 Hz
- Weight: 5.5 lbs, 2.5 kg
- Size: 13.5 in x 8 in x 1.75 in (343 mm x 203 mm x 44.5 mm)

### Digital Audio

#### Generator

- Formats: AES/EBU, Coaxial S/PDIF, Optical (TOSLINK), ADAT
- Native ADAT supports SMUX0, SMUX2, and SMUX4
- Sample Rates, all formats (kHz): 44.1, 48, 88.2, 96, 176.4, 192
- Frequency range: 10 Hz to 88 kHz
- S/PDIF output level: > 2.5 Vp-p (75 ohms load)

#### Analyzer

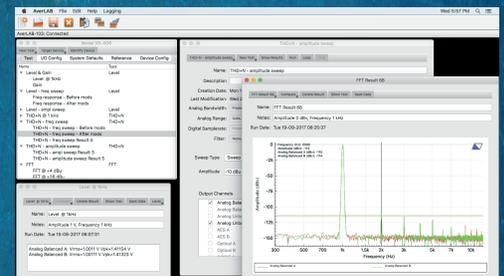
- Formats: AES/EBU, Coaxial S/PDIF, Optical (TOSLINK), ADAT
- Sample Rates, all formats (kHz): 44.1, 48, 88.2, 96, 176.4, 192
- Frequency range: 10 Hz to 88 kHz
- S/PDIF input level: 350 mVp-p minimum

### Sync

- Sync sources: Internal, External (Word Clock), AES/EBU, Coaxial S/PDIF, Optical S/PDIF, ADAT, Auto
- Jitter (100 Hz to 88 kHz, RMS, typical): < 20 ps, any sync source
- Auto sync chooses input signal for sync, or internal sync if built-in generator is in use
- 5 V nominal Word Clock output for syncing external devices
- Word Clock input (350 mVp-p minimum) for external sync

### Software

- Identical features for Windows and mac OS
- Easy setup: install a single application file, connect AverLAB, Go!



# AVERMETRICS

[www.avermetrics.com](http://www.avermetrics.com)