

## SignalScope Pro 4 for iOS uniquely identifies USB audio devices

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Faber Acoustical today announces SignalScope Pro 4.0, an update to their popular real-time analysis toolset for iOS devices. SignalScope Pro version 4 can uniquely identify USB audio devices attached to iPhone, iPod touch, or iPad, and remember user settings for each device the next time it is connected. Direct support has been added for The Modal Shop's model 333D01 USB digital accelerometer and miniDSP's UMIK-1 USB measurement microphone.

Lehi, Utah - SignalScope Pro version 4, which is now available for download on the iOS App Store, can uniquely identify USB audio devices attached to iPhone, iPod touch, or iPad, and remember user settings for each device the next time it is connected. Direct support has been added for The Modal Shop's model 333D01 USB digital accelerometer and miniDSP's UMIK-1 USB measurement microphone. With the 333D01, SignalScope Pro automatically loads serial number and sensitivity calibration information directly from the device as soon as it is connected. When the UMIK-1 is connected, SignalScope Pro recognizes it and prompts the user for its serial number. Sensitivity calibration and frequency response data for the UMIK-1 can then be downloaded automatically, just by entering the UMIK-1's serial number.

Another major new feature in version 4 is SignalScope Pro's ability to load microphone frequency response data (FRD) and apply frequency response correction (FRC) to FFT spectrum measurements. FRD can be loaded for any input channel, for any kind of transducer (i.e. it's not just for microphones). Sophisticated interpolation techniques are employed to generate a smooth frequency response correction curve that matches the loaded data. This correction curve can then be applied to an FFT spectrum of arbitrary length or frequency resolution.

Also new in version 4:

- \* SignalScope Pro directly supports The Modal Shop's model 333D01 USB digital accelerometer, and can automatically load serial number and sensitivity calibration information directly from the device. Making calibrated acceleration measurements is as easy as plugging in the 333D01. Factory calibration information is embedded in exported audio files (from the Oscoscope tool) when data is acquired with the 333D01.

- \* SignalScope Pro directly supports the miniDSP UMIK-1 USB measurement microphone. Sensitivity calibration and frequency response data for the UMIK-1 can be downloaded automatically, just by entering the UMIK-1's serial number. Making calibrated sound level measurements is as easy as plugging in the UMIK-1 and typing in its serial number (the serial number only needs to be entered once, after which SignalScope Pro will remember the microphone sensitivity).

- \* Additional dB scales of 3, 6, 12, 15, and 18 dB per div are now supported by the FFT analyzer. Also, when adjusting the dB scale manually, the dB offset will always be set as a multiple of the scale so that 0 dB is always available in the vertical axis labels.

- \* Minor bug fixes and cosmetic enhancements.

- \* Apple's Lightning to USB Camera Adapter or iPad Camera Connection Kit is required for connecting USB Audio devices to your iPhone, iPod touch, or iPad.

Device Requirements:

- \* iPhone, iPad, and iPod touch
- \* Requires iOS 7.0 or later

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\* 4.0 MB

**Pricing and Availability:**

SignalScope Pro 4.0 is \$74.99 USD (or equivalent amount in other currencies) and available worldwide exclusively through the App Store in the Utilities category. Similar features have been added to SignalScope 5.0, although select in-app upgrades may be required (available via in-app purchase).

**Faber Acoustical:**

<http://www.faberacoustical.com>

**SignalScope Pro 4.0:**

[http://www.faberacoustical.com/ios\\_apps/signalscope\\_pro/](http://www.faberacoustical.com/ios_apps/signalscope_pro/)

**Purchase and Download:**

<https://itunes.apple.com/us/app/signalscope-pro/id316467618>

**Screenshot:**

<http://www.faberacoustical.com/wpblog/wp-content/uploads/2014/09/SSP4-Accel-and-Mic.jpg>

**App Icon:**

<http://a4.mzstatic.com/us/r30/Purple4/v4/5e/bf/0e/5ebf0e12-f000-791b-275d-fcf02e382a01/mzl.lhiodkex.175x175-75.jpg>

Faber Acoustical provides cost effective tools for acoustical instrumentation, analysis, and education. Faber Acoustical's expertise include acoustical measurements, active noise control (sometimes referred to as active noise cancellation or ANC), mixed-signal circuit design, digital signal processing (DSP), adaptive filtering, and embedded DSP and desktop software design. Copyright (C) 2014 Faber Acoustical, LLC. All Rights Reserved. Apple, the Apple logo, iPhone, iPod and iPad are registered trademarks of Apple Inc. in the U.S. and/or other countries.

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