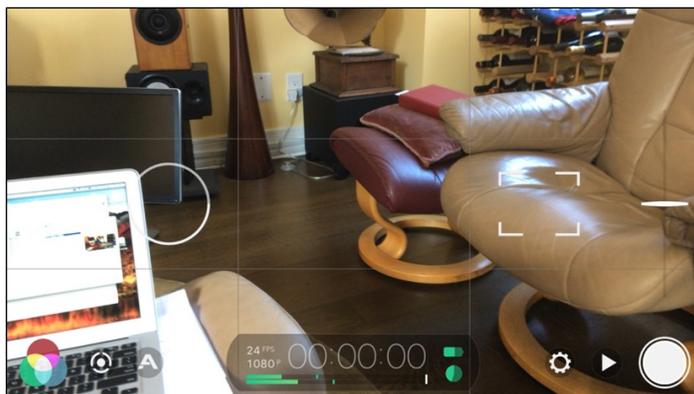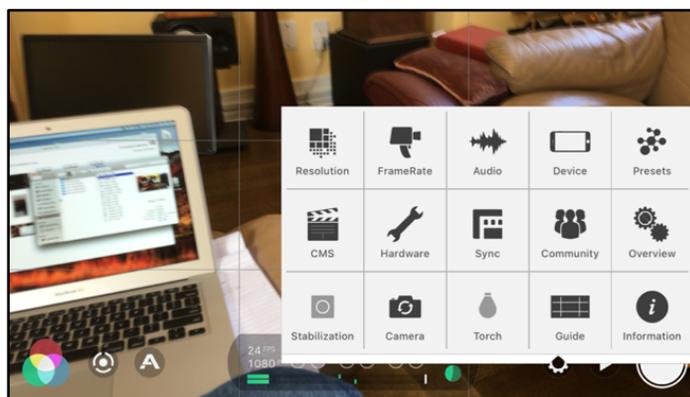# FiLMiC Pro – iOS

Video App with Sound Recording – sampling frequency up to 96kHz, output file 24-bit PCM format.
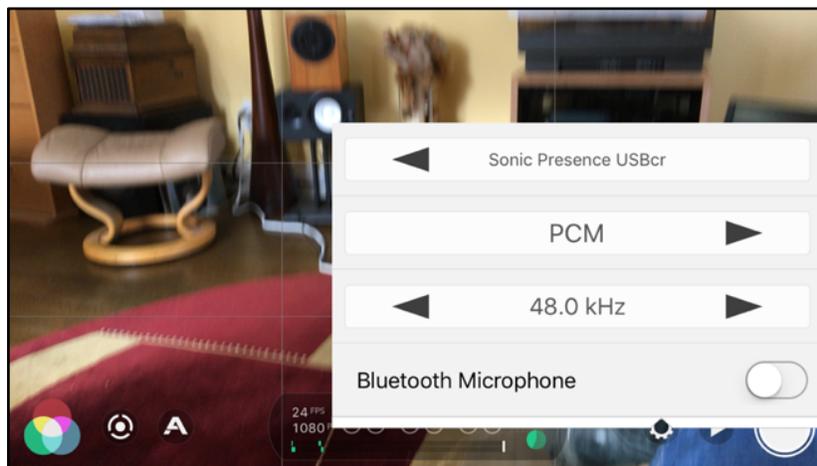www.filmicpro.com

Here's the Main Screen for the FiLMiC Pro App for iPhone. Along the bottom of the screen you see some of the video settings. In dead center under the timecode indicator is an Audio Level Meter! It's a stereo meter that shows levels for both stereo audio channels. The meter ballistics are smooth with a peak hold indicator segment.

Pressing the "gear" to the right of the audio meter opens the Controls Menu. To understand the Video Control functions, refer to the App's manual. This manual focuses on the options for audio.

The Audio menu select icon is in the top middle row. Pressing this Icon opens another menu.

The top selector bar indicates which microphone connects to the audio input. In this case it clearly indicates that SonicPresence® is the selected input device.
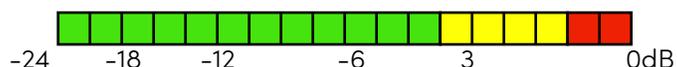
The middle selector shows the selected audio file format, in this case linear PCM. The other file selections are AAC, which is compressed and AIFF, which is an Apple linear file format. Next you can select the sample frequency, which allows up to 96kHz. Caution: We found the audio works best at 44.1kHz and 48kHz. For our tests, 96kHz just made digital noise.

Scroll down and there are more menu options. The "Bluetooth" microphone doesn't actually exist. Select "Video Only" to return to the era of silent movies. Be sure to switch "Automatic Gain Correction" and "Voice Processing" OFF, since in our testing they actually impair sound quality.

Once you've chosen the audio settings, go back to the Control Menu and select the "Presets" group (top right). Now Save the settings you've chosen to a "Preset" file, one that you name. You must do this, or the App will simply use the default values when it boots up next time.

Meter Check and Level Testing

The stereo meter on the Main Screen shows the audio Input Level. In this case the SP15C microphone. The meter has no calibration marks, but our measurements show the approximate dB values you see on this scale. By keeping the audio peaks in the yellow area, you will get really good sound quality.

While this App has a meter, there is no way to control the audio input level. We've calibrated the internal level of the SP15C so 0dB is equal to 120 dB SPL. That is as loud as it gets at a heavily amplified Rock Concert. If you see the meters hitting Red, then back away. You're damaging your hearing!

Here is our table showing the audio performance. You can see the linearity is really quite excellent, which means that changes in the Output Level accurately follow changes in the Input Level.

FiLMiC Pro iOS						
scale	green	green	green	green	yellow	red
generator mV rms	5	10	20	40	80	160
calculated level in dB	-30.1	-24.1	-18.1	-12.0	-6.0	0
PB level dB(analog)	-31	-25	-19	-13	-7	-1
Comment						Clean