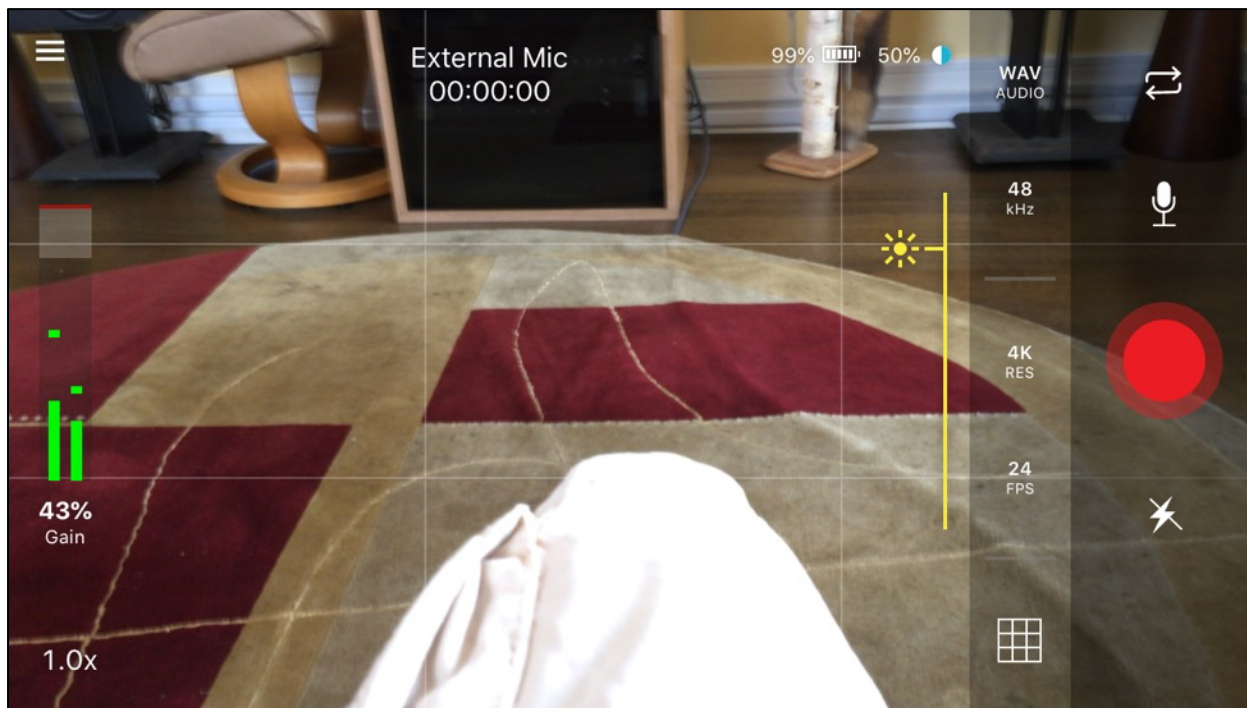


## ShurePlus MOTIV™ Video - iOS

Video App with Sound Recording – Sample rate 44.1 & 48kHz, WAV and AAC file formats

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

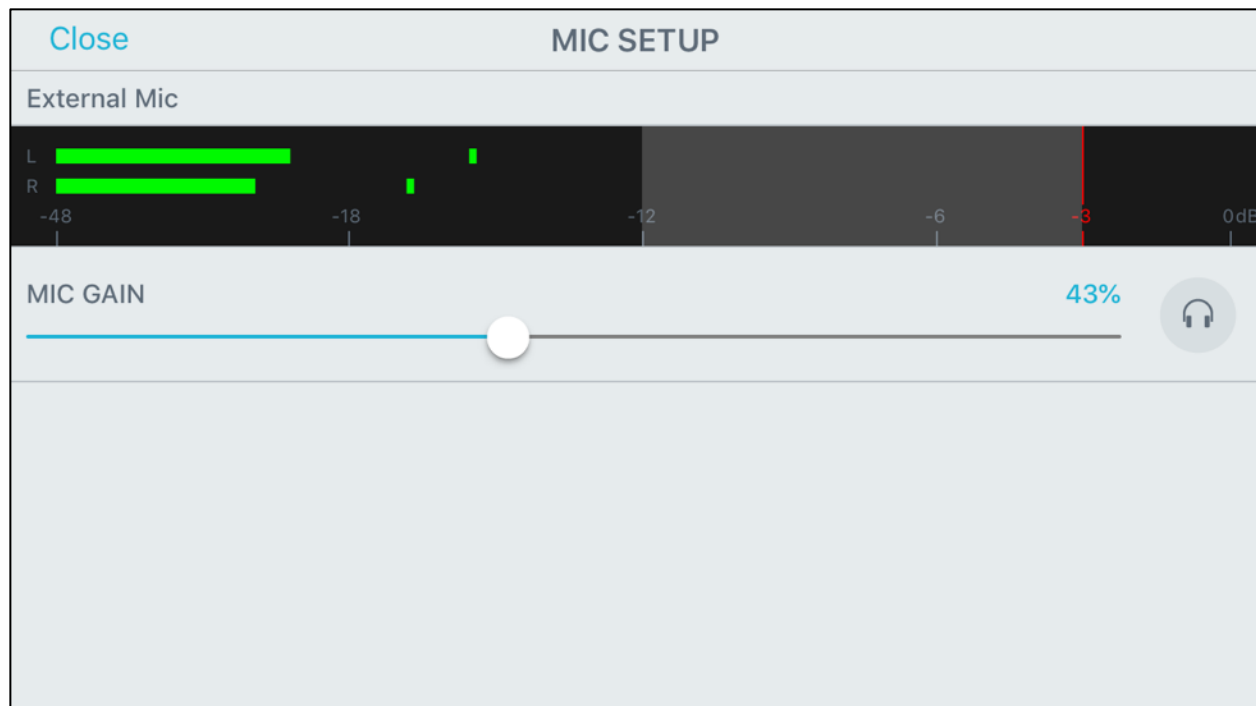
ShurePlus MOTIV™ Video is a straight forward, easy to use video App with great audio features. Here is the main screen:



There are controls for adjusting picture contrast, exposure resolution and so on. To understand these Video Control functions, refer to the App's manual. This manual focuses on the options for audio.

The first feature that catches our attention is the audio level meters on the left side of the screen. They are clearly visible while shooting video and just below the meters is the input gain setting. If the setting indicates AGC, then do this:

You see the message "External Mic." at the top center of the screen. Below that is the time code. On the right side of the screen are settings for audio file type, audio sample frequency, video resolution and frame rate. Slightly further to the right is a Microphone icon. Pressing that brings up this screen:



You see “External Mic.” Indicated at the top and the large audio level meters. Below the meters is the Input level control. It should initially be set to 50%, which is the calibrated level of the SP15C. That level is set so that 0dB on the meter scale is equal to a level of 120dB SPL.

### Meter check and Level Testing

The meter scale calibration is a tapered log scale, which is very useful for monitoring the recording level. The two red segments indicate a 3dB range, which borders on the maximum level before distortion. The yellow segments show the signal level between -12 and -3 where the normal level peaks should register. The green segments show the levels below -12dB where the average signal levels should lie.



This App’s audio processing is very linear with no signal compression. The table shows the playback output signal tracks the input exactly and conforms to the level displayed by the meters when making the recording.

Motiv						
scale	green	green	green	yellow	yellow	red
scale marking	-48	-18	-12	-6	-3	0
generator mV rms		6	17	35	50	70
calculated level in dB	na	-21.3	-12.3	-6.0	-2.9	0
PB level dB(analog)	na	-18	-12	-6	-3	0
reference acoustic level			94dB SPL			120dB SPL



The Audio Gain control is calibrated from 0% to 100%. We measured the actual gain/attenuation in dB with a reference of 0dB at the center or 50%. As you can see there is a wide range of adjustment. We recommend you stay within plus or minus 12dB to avoid distortion.

Motiv Mic Gain							
Scale	0%	20%	40%	50%	60%	80%	100%
Gain dB	-30	-20	-10	0	+10	+20	+30