Smart Sensor
SS07

| MIC2 MIC3 |
| Microphone |
| Guitar/Bass |
| Synthesizer |

Audio to USB converter

- 16/24 bit
- 44k1 to 192k
- Mono/Stereo

With SS07 you can capture a mono/stereo audio signal and convert it into a USB digital stream up to 24bit/192kHz. Use SS07 inputs to connect microphones, guitars, keyboards or line level systems and record the sound to your Android device via USB connection.
Simply plug SS07 into your smartphone and start recording an interview or a live concert with studio quality and full stereo sound.
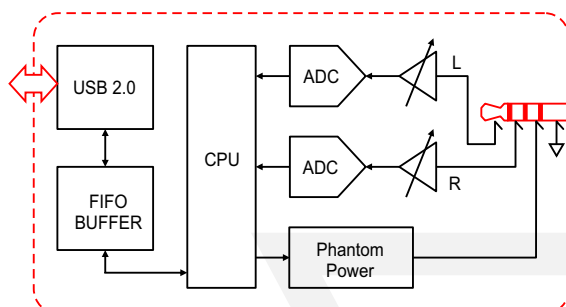
24bit
192kHz

SS07 features a very low power consumption and is directly powered by your mobile device. The gain of each channel can be set independently in a range of 52 dB allowing for a perfect signal level matching.

SS07 is compatible with UARecorder, a powerful Android app that allows you to display real-time peak levels, set the recording parameters and save audio data to WAV files.

SS07 paired with a MIC head
(MIC2 or MIC3) and
connected to a tablet

SS07 - Internal Block Diagram

SS07 converter is compatible with the Android app UARecorder.
You can download UARecorder from Google Play Store.

Technical specifications

SAMPLING RATE
44.1 kHz, 48 kHz, 96 kHz, 192 kHz*
*Mono only

BIT DEPTH
16 bit, 24 bit

CHANNEL MODE
Mono/Stereo

FREQUENCY RESPONSE
5...20700 Hz @44k1
5...22500 Hz @48k
5...45000 Hz @96k
5...90000 Hz @192k

GAIN
-12...+40 dB

THD+N
0.004 % @Gain=0 dB

S/N RATIO
106 dBA @Gain=0 dB

FULL SCALE VOLTAGE
2 Vrms @Gain=0 dB

INPUT IMPEDANCE
18 kohm

PHANTOM VOLTAGE OUTPUT
4.5 V typ

INDICATOR DEVICES
- Power On LED (blue)
- Phantom Power LED (red)

POWER SUPPLY
Self powered by USB (5V/35mA typ @48k)

COMMUNICATION INTERFACE
- Mini-USB connector
- 3.5 mm 4-pole jack socket

OPERATING TEMPERATURE
0°...40°C working (RH max 85% at 25°C)
20°...60°C storage

ENCLOSURE
Turned brass with chrome plating

DIMENSIONS
Ø19 mm x 64 mm

WEIGHT
~140 g

Under a policy of continuous improvement, Optivelox reserves the right to make unannounced changes to the specifications of the products described in this document.

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