

Quick Deploy Audio Recorder QDAR12B

A compact, easy to use audio recorder capable of capturing the full audio spectrum with high dynamic range and ultra low distortion.

The QDAR12B is a self-contained audio recorder with a simple on off control. The unit is based on our GPAR12B ultra low power audio recorder module which provides the high-quality 16-bit audio performance. It is fitted with a low noise microphone capsule capable of capturing the full audio spectrum with a flat frequency response and low self-noise of 20dB(A) SPL.

The QDAR12B can record for over 40 hours (22.05kHz sampling) and is easily recharged and configured via its micro USB port.

Recordings made with the QDAR12B are clear and undistorted. No compression or audio processing is applied.

Features

- ◆ Very High Quality Audio Recording
- ◆ Small Size (7 x 35 x 62.5 mm)
- ◆ Long recording time (>40 hours)
- ◆ 128GByte+ media supported
- ◆ Precision 1.5ppm Battery Backed RTC
- ◆ 44.1kHz or 22.05kHz sampling
- ◆ Very low jitter sample clock
- ◆ Integrated low-noise microphone
- ◆ Simple On / Off slide switch operation
- ◆ Sub-second Recording Latency
- ◆ Flexible Control Interface
- ◆ USB Charging
- ◆ Globally Unique ID for Inventory Control

Applications

- ◆ High Quality Audio Recording
- ◆ Scientific Applications



Specifications

Unless stated otherwise: Sampling = 16 bit at 22.05kHz, Media = Samsung 64GB EVO (TLC Flash), Temperature = 20°C, Backup is fully charged, LEDs enabled.

Dimensions (mm)	7 x 35 x 62.5
Record Time (22.05kHz)	>40h
Record Time (44.1kHz)	>20h
Dynamic Range	80dB(A)
Microphone Self-Noise	20dB(A) SPL
Frequency Response (44.1kHz)	100Hz-20kHz
Frequency Response (22.05kHz)	100Hz-10kHz
Battery Type	Li-Polymer
Charging / Serial Control Port	Micro USB
Recording latency	<1s
Time retention	> 5 years
Service Interval ¹	2 years

Note. Specifications are subject to change without notice.

1. This product is powered by a lithium-ion polymer battery which are known to degrade over time. It is therefore recommended that the unit is serviced every 2 years to inspect the battery condition and replace it if necessary.