

NAGRA

PROFESSIONAL DIGITAL RECORDER



24bit/96KHz high resolution

Dual Channel High-Quality Microphone

Easy configuration with switches

Records to SD cards (up to 32GB)

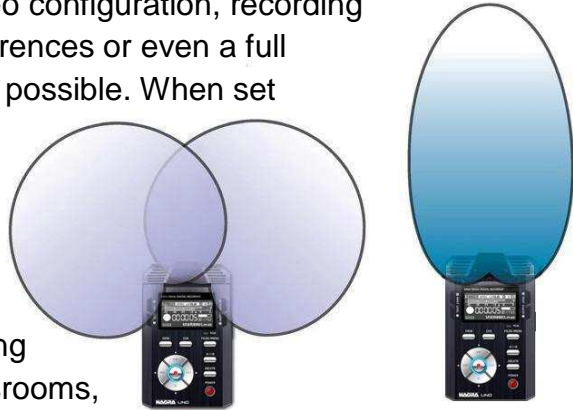
More than 10 hours of recording

Metal casing

•••• **AUDIO TECHNOLOGY**
SWITZERLAND 
Chemin de l'Orio, 30A
1032 Romanel-sur-Lausanne
Switzerland

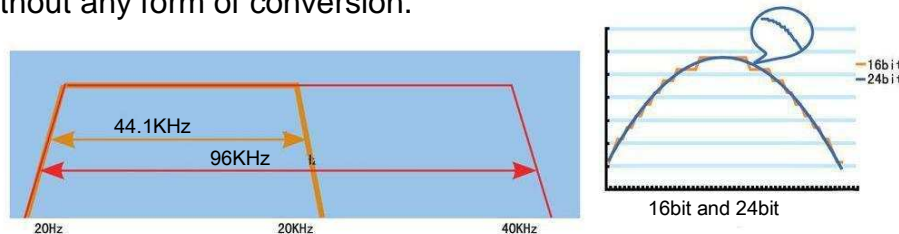
DUAL CHANNEL HIGH-QUALITY MICROPHONE

The high-quality built-in microphone array is very sensitive allowing it to adapt to varying recording applications. Signal processing within the LINO allows background noise to be reduced. Using the stereo configuration, recording of whispers, audio conferences or even a full symphony orchestra are possible. When set to mono recording the polar pattern is cardioid format giving good directional characteristics, reducing the capture of surrounding noise. It is ideal for classrooms, meetings, interviews etc.



WAV-96KHz-24BIT

CD audio has been the reference of good quality sound for many years. The LINO digital recorder will record files up to 24 bits at 96 kHz. This PCM Linear format is uncompressed and of much higher quality than standard CD, which is only 16 bit and 44.1 kHz, and will guarantee an excellent recording quality. The LINO will also record in various different MP-3 formats, allowing files to be easily transferred to other MP-3 players without any form of conversion.



AGC(AUTOMATIC GAIN CONTROL)

Using the built-in AGC feature, allows the recording level to be controlled automatically. It will increase the recording level when the sound is weak, giving a clearer audio file. Equally it will reduce the level, without overloading, when the source is very strong. Recording with the AGC is very useful in conference situations as it helps to remove the volume differential caused by the different distances between the source and the recorder.



PRE-RECORDING

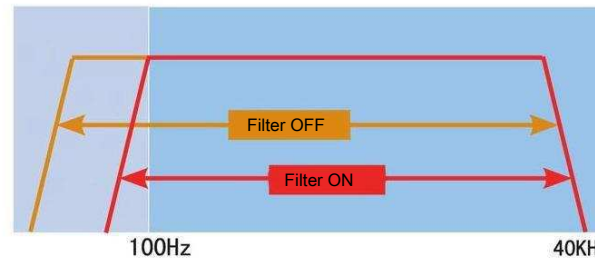
The LINO is equipped with a pre-recording buffer, which is especially useful for capturing sudden unpredictable sounds such as church bells, thunder, or other effects and will avoid missing important content.

VOR (VOICE OPERATED RECORDING)

The VOR mode permanently monitors the input signals, and will record as soon as the incoming audio reaches a pre-set level. The recording will be paused when the level drops below the threshold which is very useful for saving storage space inside the LINO.

FILTER

Low frequency noise, such as wind noise can often be a nuisance when making outside recordings. The LINO is fitted with a LOW CUT filter which will eliminate such problems.



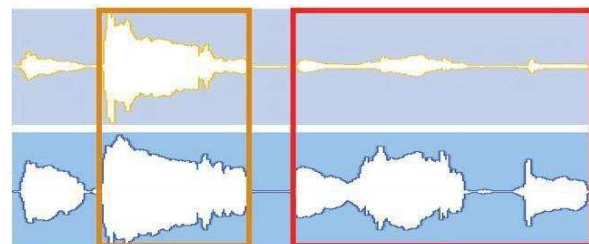
MUSIC PLAYER

The LINO can also be used as a player. It supports a variety of popular file formats, such as WAV, MP3, MP2 and WMA. Music files can be copied to the LINO and enjoyed anywhere.



DYNAMIC VOLUME

Many players will overload when the playback level is too high, or have difficulty in restituting speech recordings made at a distance. The LINO solves this problem by using a Dynamic volume control, when the maximum volumes are limited and the minimum sounds can be amplified up to 16 times the original level.



LARGE STORAGE

The LINO will support SDHC/SD cards with a capacity of 32 GB (or higher). This large media capacity can accommodate over 1'000 hours of music.

LONG BATTERY LIFE

The LINO digital recorder use two AA size batteries for power, giving long recording times of more than 10 hours to meet your needs in the classroom, business meetings or listening to music.

TECHNICAL SPECIFICATIONS

- Dimensions:** 103 x 62.6 x 22.5mm (L x W x H)
- Operating conditions:** 0 – 70°C from 20 – 80% humidity
- Power supply:** 2 x AA cells (or mini USB)
- Data storage:** SD/SDHC
- Recording formats:** Linear PCM or MP3
- Sampling frequencies:** 44.1, 48 and 96 kHz
- Bit depth:** 16 / 24
- Frequency response:** 20 Hz – 40 kHz ± 0.5 dB
- Playback S/N ratio:** 94 dB (20 Hz to 22 kHz ASA"A" weighted).
- Recording S/N ratio:** 90 dB (ASA"A" weighted).
- Dynamic range:** > 90 dB
- Microphone Equivalent Input noise (EIN):** >122 dB
- THD+N at 1 kHz:** <0.02% (20 Hz to 22 kHz ASA"A" weighted).
- Microphone filter:** 10Hz-40kHz / 100Hz-40kHz
- Internal microphone gain :** 19dB-55dB
- Maximum line input level :** +17dB
- Headphone output power (max):** 30mW (16 Ω)
- External Microphone input:** 3.5mm jack connector
- Line input:** 3.5mm Jack connector
- Headphone output:** 3.5mm Jack connector
- USB:** 2.0

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