

# Nagra SD

Handheld mono/stereo digital recorder







# A recording quality never seen in such a reliable format

## Everywhere simple high quality audio is needed

The Nagra SD is a handheld digital audio recorder. Packed with features and totally menu driven, it offers state-of-the-art technology in a reliable format. Housed in a sturdy aluminum case, it uses a selection of different plug-on Nagra microphones or a XLR cable for an external dynamic microphone or line input.

The audio storage media is an extractable SD memory card. The Nagra SD will record PCM linear digital audio at sampling frequencies of 24 kHz up to 96 kHz or MPEG compressed audio.

## The latest generation handheld device

The Nagra SD is equipped with exceptionally high quality microphone preamplifiers, giving it a recording performance and quality never before seen in a handheld broadcast recorder. Traditional Nagra build quality and ergonomic design make it an easy-to-use compact tool for in-the-field recording.

## Ideal for journalists, sports reporters, lawyers, businessmen

The Nagra SD is the latest generation handheld recorder, designed for high quality audio recordings in the most hostile environments. Clearly indicated and well laid-out keys make simple one-handed operation easy. It uses the same accessories (microphones, cables, etc) as the popular ARES-M / MII /ML range of recorders which it is designed to supersede.



Optional stereo cardioid plug-on microphone



Optional high quality stereo cardioid plug-on microphone



Optional high quality mono omni-directional plug-on microphone



New!

Optional high quality mono cardioid plug-on microphone

### Main features

- Small dimensions, light weight
- Easy and simple operation
- Linear PCM, MPEG Layer II & III recording formats
- Extractable SD media card
- 3 second pre-record buffer
- USB 2.0 communication
- Appears on PCs as a storage device:  
no additional drivers or software required
- Plug-on external mono or stereo microphones
- Built-in loudspeaker



Above: multiple recording settings on the back  
Below: leather case with tripod (option) screwing point

# Technical specifications

## General

Data Storage medium	SD removable card
Recording Method	Digital (PCM) or digital compression
Compression type	ISO MPEG Layer II, Layer III
File Format	16/24 Bit Wave Format (xxx.WAV) or MPEG Raw (xxx.MP2 + MP3)
Sampling Rate	From 24 to 96 kHz
Bit-Rates	32 to 384 kb/s
Mono/stereo	Switchable
Dynamic range adjustment	40 dB for 0 dB record
Filters	"Flat", "LFA"
Automatic gain control	"ON", "OFF"

## Inputs

Microphone inputs	3.5 mm stereo jack connector
Microphone powering	3 V electret
Microphone input sensitivity	Min. 1.5 mV for electret capsules full scale Min 650 $\mu$ V for dynamic capsules full scale
Line input	3.5 mm stereo jack connector
Line input sensitivity	Low & high range 33 mV to 6.2 V for 0 dB recording

## Outputs

Headphone	3.5 mm stereo jack connector
Line output	3.5 mm stereo jack connector
Line output level	Maximum 0.9 V

## Recorded file

THD + Noise at 1 kHz	0.025 % Max
Frequency response	30 Hz – 20 kHz (-3 dB in EE mode)
Total dynamic range line output	Up to 80 dB
Total dynamic range on recorded file	Up to 90 dB
Built-in speaker	0.1 W
USB	2.0

## Power supply / Physical

Internal batteries	2 x "AA" cells (> 10 hours of operation)
Dimensions	107 x 68 x 24 mm (4.2 x 2.6 x 1 inch) without plug-on microphone
Weight	250 g, (0.5 lb) including batteries, without plug-on microphone

Specifications are subject to change without notice