



Nagra IV-S

CCIR	Order # 70 06002 000
NAB	# 70 06003 000
Time Code CCIR	# 70 06007 000
Time Code NAB	# 70 06008 000

Portable stereo analogue recorder

Features

¼" analogue tape recorder
Time Code or Non Pilot versions
Double modulometer
Confidence playback
Speeds 38, 19, 9.5 cm/s

Monitoring speaker
Complete monitoring selector
Reference generator
Self-contained
Lightweight and reliable

Applications

The NAGRA IV-S is a portable stereo 6.35-mm (¼ inch) analogue audio tape recorder designed for high quality musical recording, cinema and television applications.

General information

The NAGRA IV-S can be delivered in two different versions, which are NQS-LSP (non-pilot), and NQS-TC (Time code).

Each version has three speeds: 38, 19 and 9.5 cm/s (15, 7½, 3¾ ips), with NAB or CCIR and NAGRAMASTER (at 38 cm/s) equalization standards.

The two audio channels can be connected to two microphones preamplifiers, switchable to dynamic, T 12V or Phantom 48V with phase reversal or to two current line inputs.

The two level potentiometers can be mechanically ganged for easier adjustment. The audio-recorded signals are available on two line outputs.

The NAGRA IV-S contains separate recording and playback heads for confidence playback, a built-in monitoring speaker switchable to source or tape, provision for connection to an external noise reduction system, a reference generator, a modulometer, an alarm indicator for power supply and tape transport.

Patented anti-distortion circuit reducing medium distortion and high-pass filters to attenuate low frequencies on resonance during recording or playback and switchable automatic level control and limiter.

The machine can be powered from either an external supply (ATN-4 Order # 70 14378 000) or internal batteries (12 D cells).

Specifications

General

Nominal recording level	0 dB = 510 nWb / m at 15ips (38cms)
Maximum peak recording level	+ 4 dB
Erase efficiency	83 dB (at maximum peak level)
Frequency response	30 – 20000 Hz +/- 1 dB (recorded at - 20 dB 38 cm/s)
Signal to noise ratio	NAB 74.5 dB (Nagramaster at 38 cm / s)
Crosstalk between audio ch.	70 dB (1 kHz , 0 dB modulometer) 60 dB (10 kHz, 0 dB modulometer)
Residual TC on audio tracks	Below - 88 dB to peak level

Inputs

Microphone	2 XLR 3, 12 V T, 48 V, Dynamic, phase reverse
Line	2 balanced on tuchel

Outputs

Line	2 line on Tuchel and banana
Headphone	Stereo on ¼" jack
Time Code	Lemo plug

Power supply

Battery	Rechargeable (PA-4 Order # 70 98254 000) or 12 D cells
DC Power	-10.5 to -30 V

Physical

Dimensions	333 x 242 x 113 mm, (13.2 x 9.6 x 4.5 inch)
Weight	6.4 kg, 15 lbs (cells and tape included)

Optional accessories

External accessories

20 99027 000	QTS	Soft carrying case
70 09575 000	TCGR	SMPTE / EBU Time code reader / generator
20 95996 000	CS 102	Resolver CS 102 Cooper

Cables

20 95970 000	CXLR-FM	3-pin XLR Cable male-female 1.5 m (5 ft)
70 16900 000	QCSE	Line input cable 2 m (Tuchel 7 pm – 3 banana)
70 16901 000	QCTC	Time code cable Lemo / Lemo

Nagravision SA

Route de Genève 22
1033 Cheseaux
Switzerland
Tel + 41 21 732 01 01
Fax + 41 21 732 02 12
audio@nagra.com
www.nagra.com

Nagra Office