

• TWO TRACK 1/4" TAPE STEREO MUSIC MASTERING RECORDER •
EFFECTIVE FEBRUARY 1, 1973

HI-FI • EDUCATION • FESTIVALS • ACOUSTICAL STUDIES • AUDITIONS

NAGRA STEREO

TWO TRACK 1/4" TAPE RECORDER

SYNC AND NON-SYNC

By

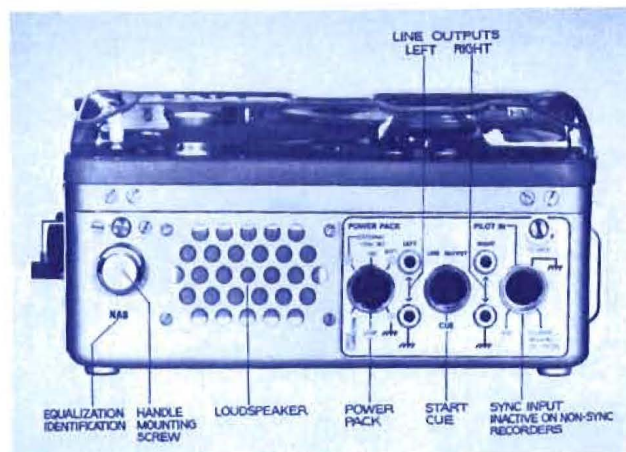
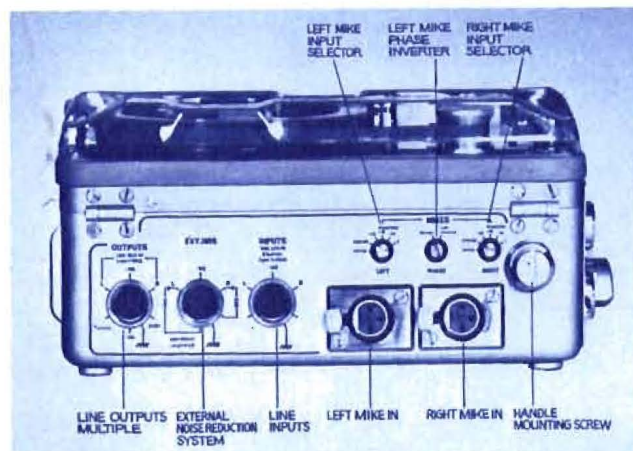
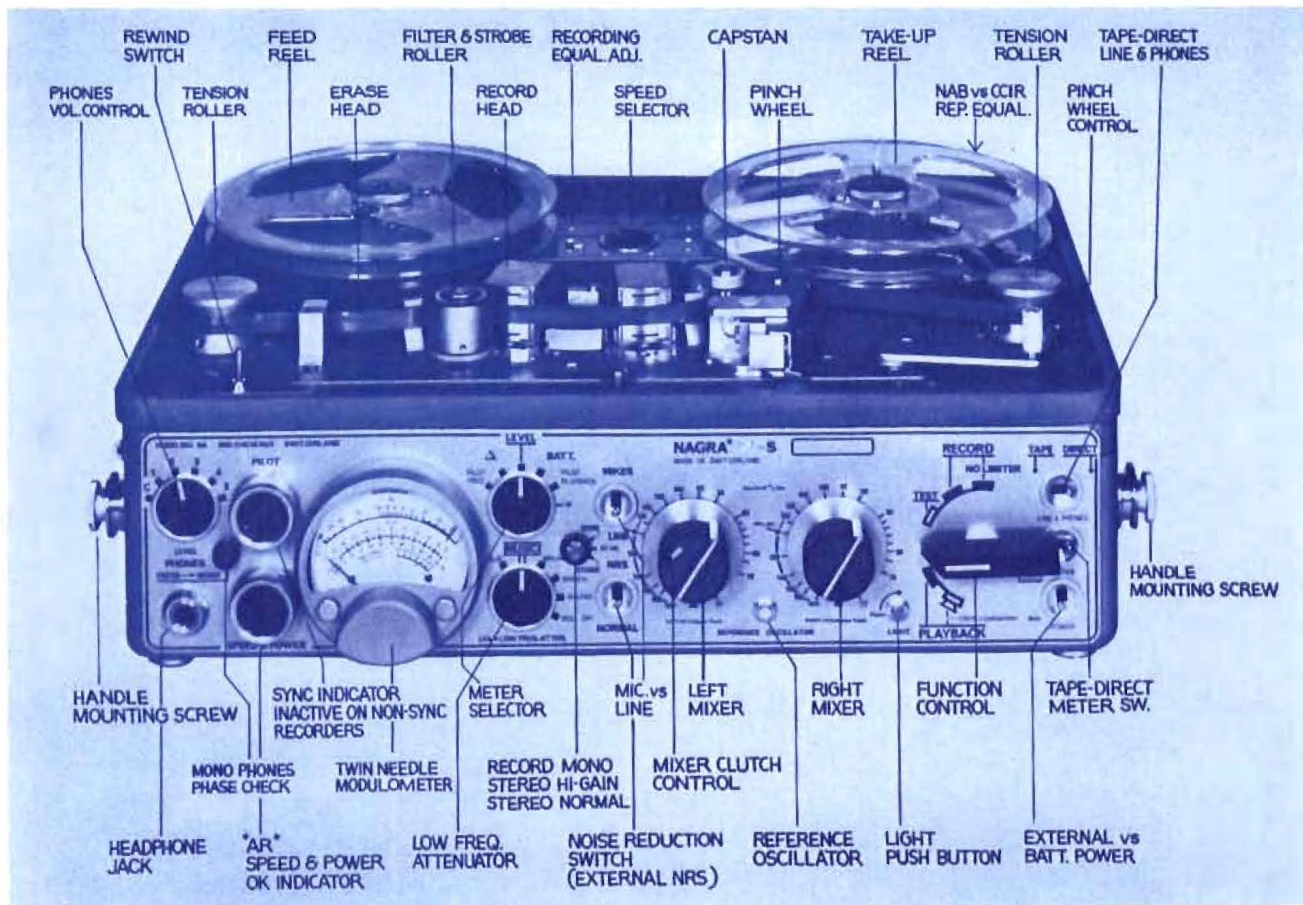
STEFAN KUDELSKI

FOR HI-FI DISC-CASSETTE-TAPE RELEASE • SCIENTIFIC RECORDING

• SYMPHONY • CHORAL • OPERA • CONCERTS • NITE CLUBS •

The NAGRA SL & SD

Most Versatile STEREO RECORDERS Ever Made



This recorder incorporates the many features & designs that have made NAGRA the world standard for synchronous recording of motion pictures.

SPECIAL FEATURES OF SYNC AND NON-SYNC NAGRA Stereo Recorders

The NAGRA S is a two track, professional, high quality, portable tape recorder for use in making Master Tapes for disc, cassette and tape release. Its weight is only 14 pounds.

Two Kudelski high quality channels — modular and complete as delivered.

Universal microphone input — switchable for most microphones (see pg. 4).

New preamplifier — low noise (2 dba above thermal noise) and high overload position (600 mV) plus extra gain when required.

Channels switchable between microphones and 600 ohm lines for external mixing.

Elaborate system of filters to compensate for effect of microphone proximity and room resonances.

Limiter, under switch control, to handle extra 6 dba input level, also facilities for modern external low noise systems.

Phase checking and correcting switches.

NAB, or NAGRAMASTER recording selection available to best meet requirement.

Two needle modulometer that can also be switched to show maximum level on one needle and future width of stereo disc cut on the other.

Clutch coupling of left and right channel mixing dials when desired.

"Stereo-Mono" headset monitoring under push-button control.

Exceptionally low FM modulation noise and reduction of AM modulation noise in NAGRAMASTER mode.

Two or more recorders may be coupled for continuous recordings.

Push-button 1 KHz square wave reference oscillator also used to check azimuth.

Improved servo motor to further reduce Wow and Flutter.

Adjustable equalizers for standard and low noise tape.

Instant stop for editing.

Remote start capability.

Toggle switch "Direct-Tape" metering.

RETAINING THE BASIC FEATURES THAT HAVE MADE THE NAGRA WORLD FAMOUS

Closed Loop Servo Drive

This motor drive system provides the lowest flutter and wow of any known portable recorder.

Straight-Line Threading

The exclusive straight-line threading feature not only provides a simple but also foolproof method of tape loading.

NAGRA SD STEREO RECORDER (non-sync)
NAGRA SL STEREO RECORDER (sync)
Including: Microphone preamplifiers, Line input cable and carrying handle.

EXTERNAL ACCESSORIES FOR NAGRA SL & SD

QHT "Eveready" Leather Case
QHTP "Eveready" Leather Case with Pocket
QFMS-60 Internal Camera Speed Indicator (for SL only)
(50 Hz units also available)
QSGX-60 Hz Internal Time Sync Generator (for SL only)
(50 Hz units also available)
QSV-2 Speed Varier (for SD, SL, and 4.2)
(Adjusts 3 $\frac{3}{4}$ - 7 $\frac{1}{2}$ - 15 ips)
QSCM Cue Microphone Equipped with ALC and Preamp
SLO Synchronizer for Self-Resolving (for III, IV, 4.2 and SL)
Contains Oscilloscope, Marker System, and Power Supply
QCLS In-Line Amplifier to use SLO with Nagra Stereo SL
ATN-2 Power Supply (plus sync transformer)
PAR Charging Attachment for Nickel Cadmium Batteries
(use with ATN/ATM)
DT-480 Beyer Stereo Headset (2 x 200 ohms)
QCSE Replacement Line Input Cable (for SD and SL)

SEE SEPARATE PRICE LIST

TECHNICAL DATA — NAGRA SL & SD

DIMENSIONS:	12.5" x 8.7" x 4.3"	SPEED REGULATION:	.1% or better 60 Cycle built-in stroboscope disc
WEIGHT:	11 lb. 9 oz. without tape or batteries	REWIND:	Fast rewind and fast forward controls
POWER CONSUMPTION:	In Record Mode 255 mA	OSCILLATOR FREQUENCY:	125 KHz Bias level adjustable for various tape types
BATTERIES:	12 Standard Flashlight "D" Cells	OUTPUT LEVELS:	Two "line" outputs @ 1 volt across 500 ohms or more
ELECTRONICS:	All silicon transistors and tantalum condensers	FREQUENCY RESPONSE:	Recorded at - 20 db At 15 ips 30 Hz to 18,000 Hz \pm 2 db
TAPE SPEED:	15 ips, 7.5 ips, 3 $\frac{3}{4}$ ips	SIGNAL TO NOISE RATIO:	Record-playback at 15 ips using ASA "A" filter normally 70 dba depending on tape used.
REEL DIAMETER:	7" with cover open, 5" with cover closed	ERASURE:	- 80 db. Referred to maximum level of 800 Hz
RECORDING TIME:		TEMPERATURE RANGE:	- 4°F to + 160°F - 67°F to + 160°F using external power and special belts
	5" REEL 7" REEL	RECORDER CASE:	Rugged lightweight metal
1/2 Mil Tape	3 $\frac{3}{4}$ ips 1 hour 2 hours 7 $\frac{1}{2}$ ips 30 min. 1 hour 15 ips 15 min. 30 min.	CARRYING CASE:	Eveready leather case
	5" REEL 7" REEL	LOUD SPEAKER:	Powered by 1.6 Watt amplifier
1 1/2 Mil Tape	3 $\frac{3}{4}$ ips 30 min. 1 hour 7 $\frac{1}{2}$ ips 15 min. 30 min. 15 ips 7 $\frac{1}{2}$ min. 15 min.	HEADPHONE:	Adjustable level Uses standard stereo jack Uses quality 2 x 200 ohm stereo headset
MAGNETIC HEADS:	1 High frequency erase head with double gap. 1 Two-track record head. 1 Two-track playback head.	FILTERS:	Six positions: 1. Flat 2. Music 3. Music + low frequency attenuation 4. Speech 5. Speech + low frequency attenuation 6. Roll-off
EQUALIZATION:	NAB. For standard and low noise tape	REFERENCE OSCILLATOR:	1 KHz at - 10 db on Modulometer
INPUTS:	A. Two Microphones Each microphone input switchable to the following: 1. 50 ohm dynamic 2. 200 ohm dynamic 3. Phantom + 12 volts (AKG & Schoeps) 4. Phantom + 48 volts (Neumann) 5. Phantom - 12 volts (Schoeps) 6. Phantom "T" (Sennheiser & Neu- mann KM 73, 74 & 76) B. Line Inputs: 50 mV for "0" db		

DEALER

United States Distribution — Service — Sales

NAGRA MAGNETIC RECORDERS, INC.
19 WEST 44th STREET, ROOM 715 • NEW YORK, NEW YORK 10036 • (212) 661-8066

Southern California Sales and Service **RYDER MAGNETIC SALES CORP.** 1147 North Vine St. Hollywood, California 90038
(213) 469-6391

10% PRICE INCREASE
EFFECTIVE 7/15/73

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March 12, 1973
E2-21-26c

STEREO NAGRA

Price List - Effective 3/1/73

<u>NAGRA SL</u>	SYNC Stereo Recorder	\$2,920.00
<u>NAGRA SD</u>	NON-SYNC STEREO Recorder	2,600.00

Including: Microphone Pre-Amplifiers, QCSE Line-input cable and QCP Pilot Cable for (SL only)

INTERNAL MODULES

QFMS-60	Camera Speed Indicator (For SL & SJ) (50 Hz units also available)	144.00
QSGX-60	Time Sync Generator (For SL & SJ) (50 Hz units also available)	254.00

ACCESSORIES FOR NAGRA SL & SD

QHT	"Eveready" Case	52.00
QHTP	"Eveready" Case with Pocket	60.00
ATN-2	Sync Trans. & Power Supply w/cable	88.00
QCAA	Replacement Power Cable for ATN-2	3.50
PAR	Charger for Nickel Cadmium Batteries (III, IV, 4.2, S&J)	62.00
QSCM	Cue Microphone Equipped with ALC & Preamp (For SL & SJ)	254.00
QCSJ	Cue Input Output Cable for (SL & SJ)	20.00
QCP	Replacement Cable/Pilot (For IV, 4.2, S & J)	12.80
SLO	Resolving Synchronizer (For III, IV, 4.2, SL & SJ)	680.00
QCLS	In-Line Amp. to connect SLO (SL)	80.00
QSV-2	Speed Varier (For 4.2 & S)	94.00
QCSE	Replacement Line Input Cable (For SD, SL & SJ)	20.00
DT480	Beyer Stereo Headset (2x200 ohms) (For SD & SL only)	80.00
QHC	Replacement Carrying Strap	10.00
QHP	Replacement Carrying Handle	20.00

SEE YOUR NAGRA DEALER



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MICROPHONE CABLES & ADAPTERS

(2 Wire with Shield)

4' Microphone Cable w/XL Plugs	23.10
25' Microphone Cable w/XL Plugs	29.40
50' Microphone Cable w/XL Plugs	36.40
100' Microphone Cable w/XL Plugs	43.40
Adapter 1' 3-pin XL Fe to 3-pin XL Fe	19.60
Adapter 4' 3-pin Cannon XL M to 3-pin Tuchel Fe (for foreign microphones)	19.60
Three section collapsible microphone fishpole with cable	132.00

NOTE: The Ryder Magnetic Sales Corp. new type 2-wire microphone cables will pick up less radio and static than the old standard 3-wire microphone cables. The 2-wire cables are compatible with 3-wire cables.

SYNC CABLES

Ryder Generator to NAGRA

4'	16.80
25'	21.00
50'	26.60

(Specify for III or IV/4.2)

Arriflex (Early) to NAGRA

4'	19.60
25'	23.80
50'	29.40

SYNC-BLOOP CABLES

Arriflex S, M, BL or 35 mm also Eclair NPR

4'	23.10
25'	29.40
50'	36.40

Specify camera make, model, number of pins and type of socket.

CONNECTORS, PLUGS AND FUSES

Tuchel 3, 4, 6 and 7-pin cable or panel connectors ea.	3.75
NAGRA Banana Plugs pr.	1.00
Metric size fuses for ATN and SLO five for	1.50

NOTE: THESE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE