

• EDUCATIONAL SHOWS • INDUSTRIAL FILMS • RADIO •
EFFECTIVE FEBRUARY 2, 1973

TRAVELOGUES • FEATURE PICTURES • RELIGIOUS FILMS • MUSIC

SHORT SUBJECTS • TRAINING FILMS • NEWSREELS • INTERVIEWS

THE MODULAR NAGRA

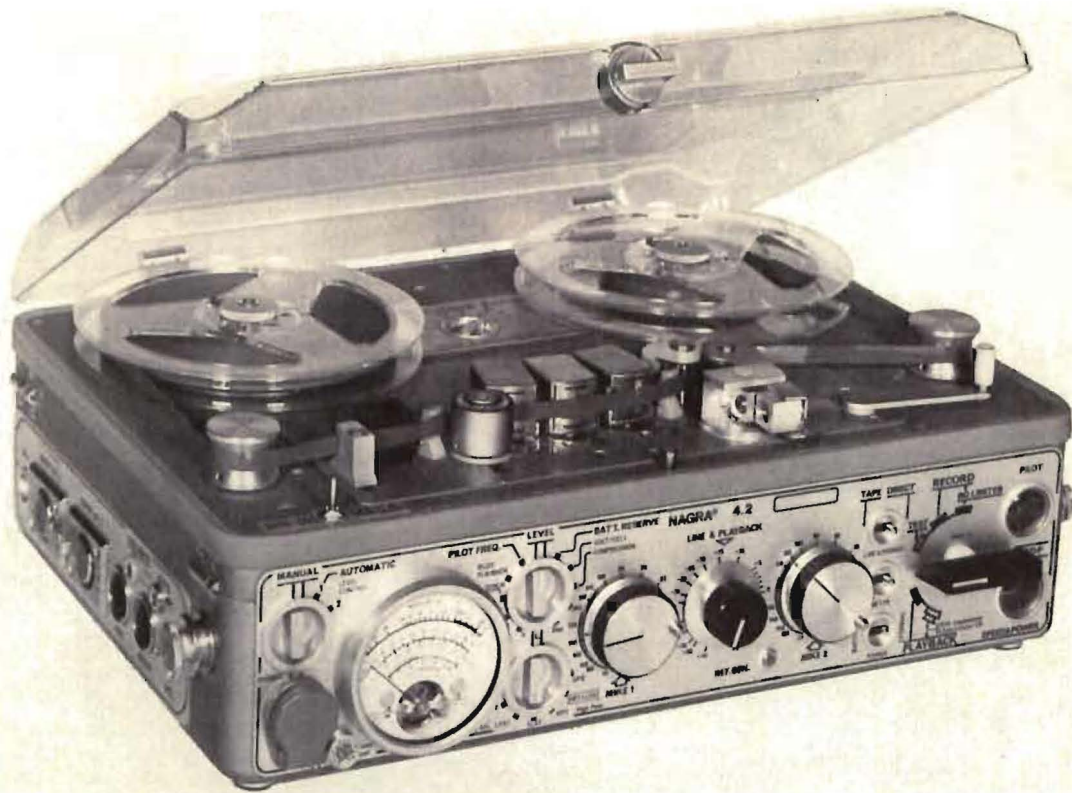
STANDARD 1/4" TAPE RECORDER

By

STEFAN KUDELSKI

• TELEVISION SHOWS • EXPEDITIONS • SPORTS •

THE NAGRA 4.2



SIMPLIFICATION AND CONSOLIDATION

The NAGRA 4.2 consolidates the most frequently requested features of all previous NAGRA recorders into one recorder and eliminates the confusion of the many models. The NAGRA 4.2 replaces but does not obsolete the NAGRA IV L and IV D models. It uses the same modular pre-amps, camera speed indicator, self resolver, time sync generator, automatic level control, and accessories as the NAGRA IV.

THE NEW FEATURES INCLUDE:

1. Elimination of "Fade-in" feature
2. Switch Control of Limiter "in" or "out"
3. Push Button Control of Reference Oscillator
4. Hardened Aluminum Case
5. Direct versus Reproduce Level Measurement
6. Improved Dialogue Equalization

PRICE LIST — EFFECTIVE FEBRUARY 2, 1973

THE MODULAR NAGRA

Fill in
Amount

NAGRA 4.2 L Synchronous Recorder (Note 1).....

SELECT INTERNAL MODULES ANYTIME BEFORE OR AFTER PURCHASE (Note 2)

Add two pre-amplifiers

QPSE-200-XOYO (Can be strapped for 50 ohms.) General Use

QPM-3-5 For Sennheiser Static 5 MKH 105, 405, 415, 805 & 815
Neumann Type KM 73, 74 & 76

QPM-3-4 For Sennheiser Static 4 MKH 104, 404 & 804

QPM-6 High Level Input (For Additional "Line Input")

Add ALC—For Automatic Mixing of Speeches, Meetings, Interviews
But Not for Dramatic Sound Recording

Add QFM-60—Camera Speed & Flicker Indicator (50 Hz units also available)

Add QSLI—Self Resolver & Sync Playback

Add QGX—Time Sync Generator eliminating cables when working with
crystal controlled camera (can be strapped for 50 Hz.)

.....

.....

.....

.....

TOTAL COST OF SELECTED RECORDER & MODULES

NOTE 1. All NAGRA 4.2 recorders are 3 speed and are equipped with Limiters under switch control.

NOTE 2. If possible, the selection of pre-amplifiers and ALC should be made at time of purchase to allow for a complete check at a service depot.

SEE SEPARATE PRICE LIST

NAGRA CABLES

**MICROPHONE CABLES AND ADAPTERS
(2-wire with shield)**

- 4' Microphone cable w/XL plugs
- 25' Microphone cable w/XL plugs
- 50' Microphone cable w/XL plugs
- 100' Microphone cable w/XL plugs
- Adapter 1' 3-pin XL Fe to 3-pin XL Fe
- Adapter 4' 3-pin Cannon XL M to 3-pin
Tuchel Fe (for foreign microphones)
- Three section collapsible microphone
fishpole with cable

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'
- 25'
- 50'

(SPECIFY FOR III OR IV/4.2)

Arriflex (Early) to NAGRA

- 4'
- 25'
- 50'

SYNC—BLOOP CABLES

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

- 4'
- 25'
- 50'

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
connectorsea.
- NAGRA Banana Plugspr.
- Metric size fuses for ATN and SLO.....five for

ACCESSORIES FOR NAGRA III, IV & 4.2

- | | |
|---|---|
| <p>QHT "Eveready" leather case (for IV & 4.2)</p> <p>QHTP "Eveready" leather case with pocket
For IV & 4.2)</p> <p>HTN "Eveready" leather case (For III)</p> <p>DH Portable 6 watt Amplifier-Loudspeaker
(Specify recorder type)</p> <p>ATN-2 Sync Transformer and Power Supply
(For all types)</p> <p>External Microphone Preamplifiers
For 3d mike on Nagra IV & 4.2
For 2d mike on Nagra III:
BS Preamplifier (50-200 ohm dynamics)</p> <p>AMC Preamplifier (Neuman KM56, 63, 64)</p> <p>AMS Preamplifier (Sennheiser MKH 104, 404, 804)</p> <p>BMT 3 Microphone Mixer with input transformers
(for all types)</p> <p>QCB In-line Amplifier to Adapt BMT to
Nagra IV & 4.2</p> <p>SLO Synchronizer for self-resolving (For III, IV & 4.2)
Contains oscilloscope, marker system, and
power supply</p> <p>QCL In-line amplifier to use SLO with Nagra IV & 4.2..</p> <p>QCL-S In-line amplifier to use SLO with
Nagra Stereo "S"</p> <p>QFC Couples two Nagra IV's to make
continuous recordings</p> <p>QSV Speed Varier (For IV Only)
(Adjusts 3$\frac{3}{4}$ - 7$\frac{1}{2}$-15 IPS)</p> | <p>QSV-2 Speed Varier (For 4.2 Only)
(Adjusts 3$\frac{3}{4}$ - 7$\frac{1}{2}$-15 IPS)</p> <p>SV-7.5 Speed Varier (For III)
(Use at 7.5 IPS)</p> <p>SV-15 Speed Varier (For III)
(Use at 15 IPS)</p> <p>TSG 560 Time Sync Generator (For III)</p> <p>PAR Charger for Nickel Cadmium Batteries
(Use with ATN for III, IV & 4.2)</p> <p>Headphones (Specify if for Nagra III, IV or 4.2)</p> <p>DT 96 Beyer Headset</p> <p>DT 480 Beyer Headset</p> <p>DT 48SN Beyer Headset</p> <p>ALC Automatic Level Control (For Nagra IV & 4.2)</p> <p>QFM-60 Internal Camera Speed Indicator
(For IV & 4.2) (50 Hz units also available)</p> <p>QSLI Internal Self-Resolver and Sync Playback
(For IV & 4.2)</p> <p>QGX-60 Hz. Internal Time Sync Generator
(For IV & 4.2) (can be strapped for 50 Hz.)</p> <p>WFM Wow and Flutter Meter.....</p> <p>QPC Sync Transformer / Filter for use with
Multi-Duty Motors (For IV & 4.2)</p> |
|---|---|

TECHNICAL DATA — NAGRA 4.2

- | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------------|---------|---------|--------------|----------------------------|---------|--|-----------------------------|--------|--|----------------|--------|--|---------|---------|----------------|-----------------------------|--------|--|-----------------------------|---------|--|-----------------------------|---------|---|
| <p>DIMENSIONS: 12.5" x 8.7" x 4.3"</p> <p>WEIGHT: 11 lb, 9 oz. without tape or batteries</p> <p>POWER CONSUMPTION: In Test Mode 105mA
In Playback Mode 200mA
In Recording Mode 250mA</p> <p>BATTERIES: 12 Standard Flashlight "D" Cells</p> <p>ELECTRONICS: All silicon transistors and tantalum condensers</p> <p>TAPE SPEED: 15 ips, 7.5 ips, 3$\frac{3}{4}$ ips</p> <p>REEL DIAMETER: 7" with cover open, 5" with cover closed</p> <p>RECORDING TIME:</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">5" REEL</td> <td style="text-align: center;">7" REEL</td> </tr> <tr> <td style="text-align: right;">1/2 Mil Tape</td> <td>3$\frac{3}{4}$ ips 1 hour</td> <td>2 hours</td> </tr> <tr> <td></td> <td>7$\frac{1}{2}$ ips 30 min.</td> <td>1 hour</td> </tr> <tr> <td></td> <td>15 ips 15 min.</td> <td>30 min</td> </tr> <tr> <td></td> <td style="text-align: center;">5" REEL</td> <td style="text-align: center;">7" REEL</td> </tr> <tr> <td style="text-align: right;">1 1/2 Mil Tape</td> <td>3$\frac{3}{4}$ ips 30 min.</td> <td>1 hour</td> </tr> <tr> <td></td> <td>7$\frac{1}{2}$ ips 15 min.</td> <td>30 min.</td> </tr> <tr> <td></td> <td>15 ips 7$\frac{1}{2}$ min.</td> <td>15 min.</td> </tr> </table> <p>SPEED REGULATION: .1% or better
60 Cycle built-in stroboscope disc</p> <p>REWIND: Fast rewind and fast forward controls</p> <p>MAGNETIC HEADS: 1 High frequency erase head with double gap.
1 Full track record head, 1 Full track playback head, 1 Neopilot sync track head with high frequency bias</p> <p>EQUALIZATION: NAB. For standard tape and low noise tape</p> <p>INPUTS:</p> <p>A. Two Microphone inputs—Third microphone input with external preamplifier (see preamplifier listings)</p> <p>B. Unbalanced Bridging input 100K ohms impedance; .37 to 150 volts. Controlled by "Line" volume control</p> <p>C. Accessory input for use with AMS, BS or BMT when high level input is not required</p> <p>D. Mixer input 560MV. @ 9K ohms. (Not volume controlled in NAGRA)</p> | | 5" REEL | 7" REEL | 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 | | 5" REEL | 7" REEL | 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. | <p>OSCILLATOR FREQUENCY: 120 KHz
Bias level adjustable for various tape types</p> <p>OUTPUT LEVEL: +22 dbm at 1% distortion into 600 ohms</p> <p>OUTPUT IMPEDANCE: 600 ohms</p> <p>FREQUENCY RESPONSE: Recorded at —20 db
At 15 ips 30 Hz to 20,000 Hz \pm 2 db
At 7$\frac{1}{2}$ ips 30 Hz to 15,000 Hz \pm 2 db</p> <p>SIGNAL TO NOISE RATIO: Record—playback at 7$\frac{1}{2}$ ips using ASA "A" filter normally 70 db depending on tape used</p> <p>ERASURE: —80 db. Referred to maximum level of 800 Hz</p> <p>TEMPERATURE RANGE: —4°F to + 160°F
—67°F to + 160°F using external power and special belts</p> <p>RECORDER CASE: Rugged lightweight metal</p> <p>CARRYING CASE: Eveready leather case</p> <p>LOUD SPEAKER: Powered by 1.6 Watt amplifier</p> <p>HEADPHONE MONITORING LEVEL ADJUSTABLE: 20-800 MV into 50 ohms load</p> <p>SPEECH FILTER: 6 Positions of equalization
1. Flat
2. Low frequency attenuation
3. Increased low frequency attenuation
4. Hi-pass at low frequency
5. Hi-pass plus #2 above
6. More severe hi-pass</p> <p>REFERENCE OSCILLATOR: 1 KHz square wave at —10 on modulometer</p> <p>AUTOMATIC GAIN CONTROL: Switch position permits manual or automatic volume control of one or both microphone inputs.</p> |
| | 5" REEL | 7" REEL | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | |
| | 5" REEL | 7" REEL | | | | | | | | | | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | | | | | | | | | | | | | |

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