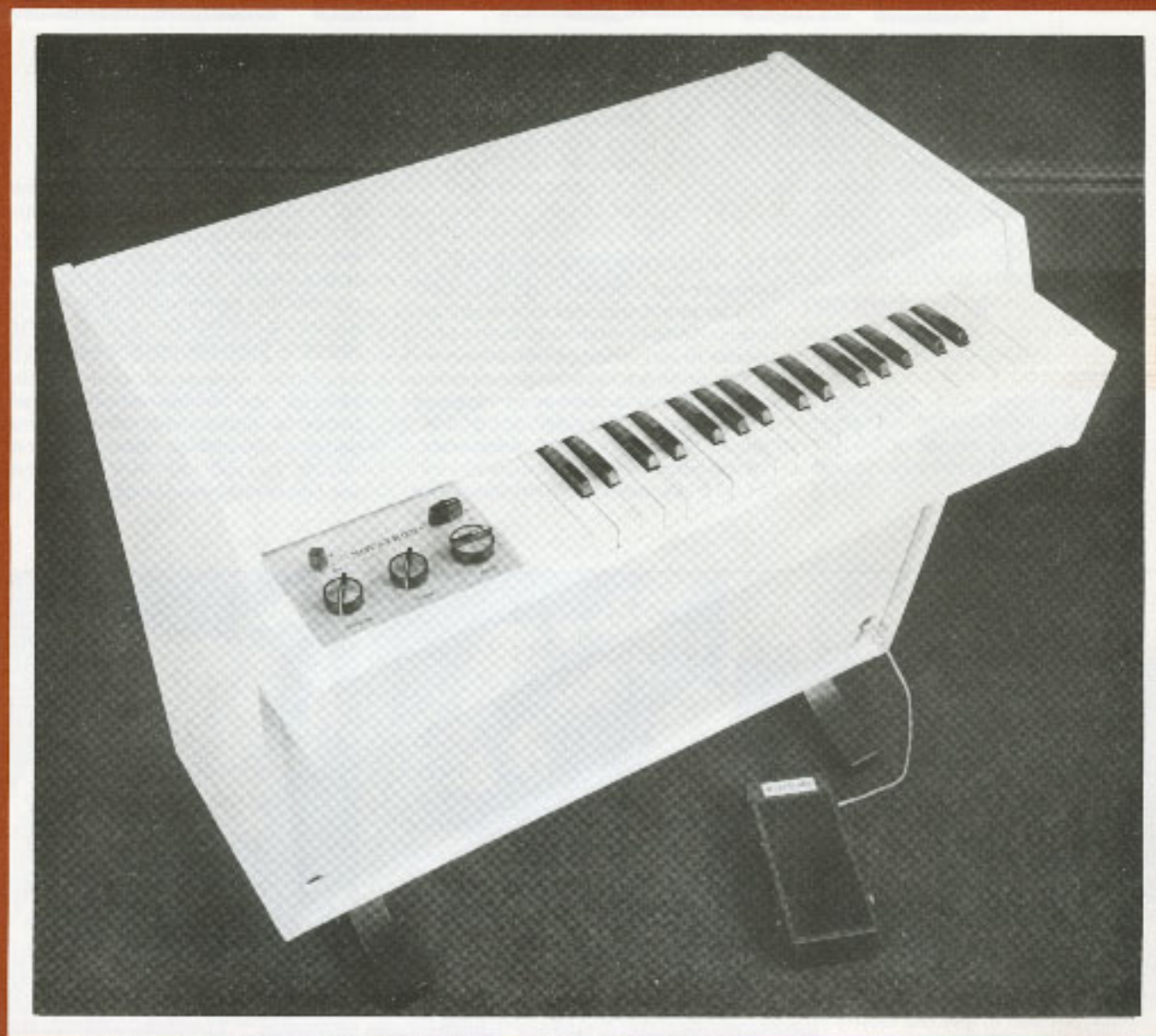


NOVATRON

The sounds of real instruments



NOVATRON by Streetly Electronics Limited

NOVATRON

Introduction

The NOVATRON falls into no known category but is perhaps best described as a series of controlled tape machines manipulated by keyboard. Each key relates to and, when played, activates a tape on which has been pre-recorded a single note of an orchestral instrument. For example: if the player has chosen say, FLUTE, and one key is depressed, he will hear the sustained note of one FLUTE – a real FLUTE! If then a five

note chord is played, the sound of five FLUTES will be heard playing in harmony. The same applies to VIOLINS or any other pre-recorded sound on the NOVATRON. The NOVATRON thus provides the player with the capability of playing and fashioning "live" orchestral sounds in a manner not previously possible.

In addition to single instrument recordings, tapes can also be obtained with complete orchestral sections, choir patterns, rhythm patterns, and a whole library of sound effects. You and your NOVATRON are only limited by your imagination.

Miscellaneous features and specifications

The Electronic Pitch Control

The NOVATRON 400SM is fitted with a specially designed Rock steady non-temperature sensitive speed control, type SMS2. In the centre position, all instruments will be at Concert Pitch. Rotation of this control will give a pitch variation of $\pm 20\%$. The purpose of this control is not only to allow the NOVATRON to be tuned accurately, but also to give the facility for special effects and dramatic changes of key and pitch.

Amplification

The NOVATRON 400SM has no built-in main amplifier or loudspeaker system but is designed to connect directly into any external amplifier system or a mixing console. A direct Line Output jack is provided for this purpose.

HEIGHT: 34" (86 cm)
WIDTH: 34" (86 cm)
DEPTH: 22" (56 cm)
WEIGHT: 122lbs. (55 kg)

Power Supply: Transformer tapped at 115V, 220V, 240V 50 or 60 cps. Single phase.

Consumption: 75 VA

Outputs: Unbalanced line output via foot swell pedal. 3 volts into 600 Ohms without foot swell pedal.

Panel Controls:
Illuminated ON/OFF Switch
TRACK SELECTOR CONTROL
GAIN CONTROL
TONE CONTROL
ELECTRONIC PITCH CONTROL

Signal to Noise Ratio:
Better than -58dBm

Tape Velocity:
Normal 7 $\frac{1}{2}$ i.p.s.
Variable speed range $\pm 20\%$

Reproduce:
50 Hz-12kHz $\pm 3\text{dB}$

Frequency:
Reproduce characteristic modified NARTB standard.

Tone Control:
10 dB cut at 10 kHz.

Reproduce Heads:
Low impedance:
3 MH: 35 in total.

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Tapes

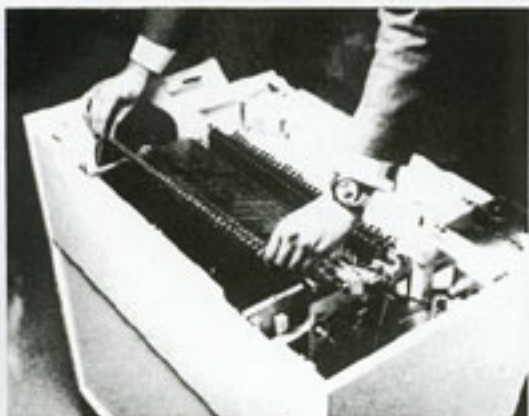
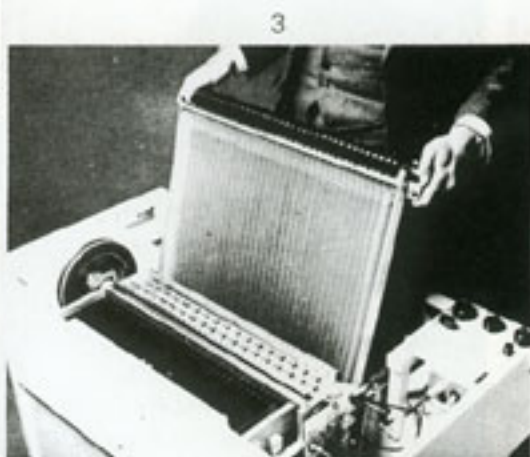
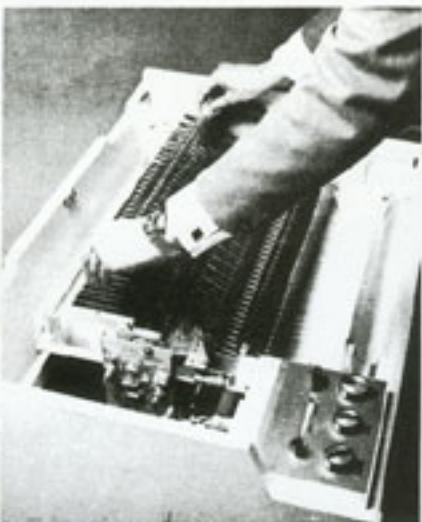
The standard NOVATRON 400SM provides three basic sounds namely; FLUTE, VOILINS and CELLO recorded on three tracks of a 3/8" wide magnetic tape. Any one of these sounds may be immediately selected by means of the Track Selector located on the Control Panel. The Track Selector Control also enables the player to mix and balance sounds placed on adjacent tracks. For example: If the FLUTE track is first selected and played only

the FLUTE will be heard. However, by rotating the Track Selector Control gradually, VIOLINS will be slowly introduced. Further rotation of the Control will give the effect of fading the FLUTE until only the VIOLINS are heard. The same applies to all sounds placed on adjacent tracks.

These tapes are mounted on a vertical frame known as the Removable Tape Frame. Any number of these tape frames may be purchased so that a library of sounds can be built up as required. The NOVATRON 400SM has been so designed that a tape frame featuring a whole new "bank" of sounds can be replaced in two minutes

(without the need for any tools). In addition to the standard sounds of VIOLIN, CELLO and FLUTE, the following instruments and combinations are available: SAXOPHONE, CHOIR VOICES, CHURCH ORGAN, VIBRAPHONE, GUITAR, STRING SECTION, SYNTHESIZED BRASS, SOUND EFFECTS, and many others. Refer to tape list overleaf.

To facilitate making up your own recordings, a Conversion Kit can be supplied so that 1/4" full track or two track recordings will be accepted. This means that the NOVATRON 400SM may be used to reproduce any sound recorded on standard play 1/4" tape at 7.5 I.P.S.



Changing the Tape Frame

1. Removing keyboard.
2. Releasing tape clamp bar and storing in slots on tape frame.
3. Removing tape frame.
4. Replacing tape clamp bar in operating position.
5. Replacing keyboard.

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Products ● Protector Muff ● Tape Frames ● Tapes on Frames ● Tapes on Spools ● ¼" Tape Guide Conversion Set
 ● Swell Pedal ● Tape Frame Fibre Carrying Case ● Attenuator

LIST OF TAPES AVAILABLE

Tape No.	Track A	Track B	Track C	Tape No.
1.	Trumpet (Synthesised)	Trombone	8 Choir (4M/4F Unison)	1.
2.	8 Choir (4M/4F Unison)	Violins	Brass 1-18 Two trombones, 19-35 Two trumpets	2.
3.	Flute	String section	8 Choir (4M/4F Unison)	3.
4.	Violins	8 Choir (4M/4F Unison)	Mixed Brass B	4.
5.	Flute	Violins	8 Choir (4M/4F Unison)	5.
6.	Vibes	8 Choir (4M/4F Unison)	Church Organ	6.
7.	Mixed Brass B	8 Choir (4M/4F Unison)	Church Organ	7.
8.	Violins	Cello	8 Choir (4M/4F Unison)	8.
9.	Male & Female Choir 1-17 Male, 18-35 Female	String section	Flute	9.
10.	Male Choir	Violins	Cello	10.
11.	String section	Choir (15 Mixed)	Mixed Brass B	11.
12.	String section	Boys Choir	Flute	12.
13.	Boys Choir	Violins	Trumpet (Synthesised)	13.
14.	Moog Brass	Sax Solo	Boys Choir	14.
15.	String section	Flute	Cello	15.
16.	Flute	Violins	Male & Female Choir 1-17 Male, 18-35 Female	16.
17.	Flute	Tenor Sax	Oboe	17.
18.	Flute	Violins	Cello	18.
19.	Flute	Violins	Mixed Brass B	19.
20.	Mandolin	Bassoon	Clarinet	20.
21.	Vibes	Church Organ	Hammond - Slow Leslie	21.
22.	Guitar	Violins	Brass 1-18 Two trombones, 19-35 Two trumpets	22.
23.	Oboe	French Horn	Orchestra	23.
24.	Withdrawn			24.
25.	Hammond - Slow Leslie	Brass 1-18 Two trombones 19-35 Two trumpets	Cello	25.
26.	Orchestra	8 Choir (4M/4F Unison)	Selection of sound effects	26.
27.	Vibes	Guitar	Hammond - Slow Leslie	27.
28.	Church Organ	Cello	8 Choir (4M/4F Unison)	28.
29.	8 Choir (4M/4F Unison)	Violins	Cello	29.
30.	Flute	Moog Brass	Violins	30.
31.	Brass 1-18 Two trombones 19-35 Two trumpets	Violins	8 Choir (4M/4F Unison)	31.
32.	Moog	Moog	Moog	32.
33.	Trombone	Trumpet (Synthesised)	String section	33.
34.	Trombone	Trumpet (Synthesised)	Cello	34.
35.	Mixed Brass B	8 Choir (4M/4F Unison)	String section	35.
36.	Flute	Brass Section Mixed	String section	36.
37.	Violins	8 Choir (4M/4F Unison)	Church Organ	37.
38.	Mixed Brass B	String section	8 Choir (4M/4F Unison)	38.
39.	Flute	Tenor Saxophone	Brass 1-18 Two trombones, 19-35 Two trumpets	39.
40.	Trombone	Brass 1-18 Two trombones 19-35 Two trumpets	Saxophone 1-18 Two Tenor 19-35 Two Alts	40.
41.	Male & Female Choir 1-17 Male, 18-35 Female	Male Voice Choir 1-17 French Horn 18-35	Church Organ	41.
42.	8 Choir (4M/4F Unison)	Male & Female Choir 1-17 Male Choir, 18-35 Female Choir	Boys Choir	42.
43.	Combined Brass	Augmented Choir	Second Flute	43.

Prominent users of this type of Instrument

Rolling Stones	Mahavishnu Orch.	Beach Boys	Procul Harum	Peter Dinklage
Moody Blues	Rick Wakeman	Hollies	Ground Hogs	Argent
Jefferson Airplane	10 Years After	Strawbs	Led Zeppelin	Bobby Goldsboro
Yes	Elton John	Pink Floyd	Fleetwood Mac	Ray Stevens
King Crimson	Genesis	T Rex	John Lennon	Savoy Brown
Chicago	David Bowie	Jethro Tull	Cat Stevens	Stories
Alice Cooper	Raspberries	Spirit	Stevie Wonder	Al Kooper
Richie Havens	ELO	Kinks	Mike Pinder	Santana
Todd Rundgren	Wings	Traffic	George Harrison	Felix Pappalardi
Eric Clapton	Hawkwind	Greenslade	Jack Bruce	Babe Ruth
Oscar Peterson	Klaus Doldinger	Cavaliers	Demis Roussos	Barclay James Harvest
		Octopus	Limelight	Grobschnitt

Dealers Stamp

For further information on the Novatron, please write or call the manufacturers.

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