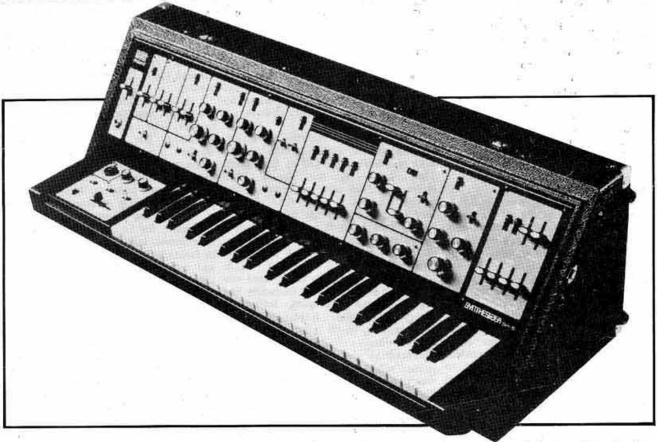


Roland 345 synthesizer

£878.70 ex. VAT (U.K.) PRICE: May 1977 DATE:



change my views.

In fact, I've put my money where my amplifier (V.C.A.). mouth is so to speak, and used the equipment many times since, not only A.R. envelope generators to give shape to throughout the new Roger Daltrey album | the sound and sometimes a ring modulator but also on the music I wrote for the to complete the picture. The combinations recent 'Light Fantastic' Laser exhibition that may be produced by the marrying of at the Royal Academy.

The fact that it records so well arrival of the S.H.5 with a lot of interest. different from each other!

One thing that always amazes me have its own definite identity and character of sound.

In addition to leading Argent for seven years, Rod has a pedigree in Rock which includes stints with bands like the Zombies. A composer of several million-selling numbers, Rod has a classical keyboard training and today spends much of his time playing keyboards on sessions and at instrument clinics.

The first time I encountered Roland principles by which they all operate are purely physical layout of such things equipment was several months ago when I basically the same; a pure wave form, as pitch controls and modulation controls tested the R.S. 202, string synthesizer, sine, pulse, square or sawtooth is produced can themselves alter the way a player My opinion then was that it was the best by one or two oscillators and then maybe goes about applying expression and string synthesizer I'd come across. Nothing modulated by low frequency oscillators vibrato to his music. has happened since to make me radically and modified by a voltage-controlled Layout filter (V.C.F.) or voltage-controlled

There are generally A.D.S.R. and these factors are, of course, infinite, but as similar basic functions appear on the (it was after hearing it on record that majority of instruments, one would think Robin Lumley of Brand X, Tony Banks the character of sound produced would of Genesis and Dave Courtney felt they depend almost entirely on the operator. had to have one) made me await the And yet they do sound so distinctively

The difference between the bass about monophonic synthesizers is the sounds available from the mini-moog and way that each different model seems to the ARP2600 for example, is very marked. Both are excellent in their own way, but, After all, the although capable of tremendous variation, movement between centre and edge always remain true to their make! The Roland S.H.5 is no exception to this rule, and has a pleasing character of its own.

Of course the extra features and sophistications which are appearing all the time make a difference, and the immediately or S.H.5 has some nice ones. Also the amount of time.

The actual layout of the S.H.5 convenient and easy to follow. Purely from a player's point of view, two of the first things I always when confronted with a look for new synthesizer are the positions of the pitch bend wheel and the knob or wheel which applies the sine wave modulation giving vibrato. the effects which. These ате give so much which is musically, impossible other keyboard on the S.H.5 instruments! On these comprehensive controls are offer several choices.

The pitch bend wheel, which is sprung to return instantly to centre, has a relative control by which the can produce a variation of a semitone, tone or interval of a fifth as desired. Vibrato, which is produced by the second of two low frequency oscillators, can be set to come in immediately or delayed by a chosen

Alternatively, of V.C.O. 1 has a centre click-stop and this may be used in conjunction manually or constantly by L.F.O. 2 and may be used separately or in modulator above to apply these immediately effects in a completely manual way. Of course, the L.F.O's can do other varied manually or set to follow the bear with their various controlling wave-L.F.O. 2 produce vibrato; to controlling generates three waveforms, triangular, sine and square. L.F.O. 1 generates two wave-forms M and its reverse M, and provides a sample for the sample and hold' section. Both L.F.O's have rate controls and may be used to well as V.C.O.

Facilities

There are two V.C.O's on the S.H.5, so the unison and octave effects which give weight to synthesizer sound may easily be obtained. There is an extremely

When set to 'strong', the frequency of V.C.O. 2 follows automatically and exactly the frequency of V.C.O 1. In the 'weak' position the oscillators may be tuned apart - but intervals will lock exactly, and the 'beat' which slight out-of-tuneness provides is eliminated. Of course the control can be set to 'off' should you require the fuller and often desirable effect of two oscillators tuned just slightly apart. This locking feature is particularly useful; it means you can pre-tune to fifths or fourths, for example, and bring in the effect at a flick of a switch, returning instantly to unison whenever you wish.

square and pulse. The pulse offers or a preset IL.

the pitch control particularly interesting possibilities. On routed to produce a really nice chorus or combination with the V.C.F. There is a 'phasing' effect.

applying sine-waves contour of the A.D.S.R. envelope forms. The V.C.A. section, apart from generator. There is a 'keyboard follow' housing the envelope shapers, incorporates control on V.C.O. 2 which would a 'hold' control which passes sound normally be set to 'on'. When placed in through the V.C.A. even when no key is the 'off' position the oscillators' pitch pressed. may be adjusted but is unaffected by 'drone' effect is possible.

modulate the V.C.F. and V.C.A. as and set at the centre of the control regular repeating patterns of notes, bank is a mixer operated by five faders, whereas the noise generator produces These bring up the signals from tones at random. respectively, the noise generator (white The back panel of the S.H.5 shows and pink), V.C.O. 1, V.C.O. 2, ring an extensive range of possibilities as far modulator and external input. At the as effects are concerned. There are top of each fader is a four-way switch terminals for a sequencer, external by which you can select the destination instruments and foot-pedal controls for

> two faders control cut-off frequency and amps. resonance. An interesting feature is Conclusion incorporated called 'keyboard follow' High-pass or band pass filter.

The band-pass filter has three separate V.C.O. I its width may be altered either controls; frequency, resonance and level modulation control on the V.C.F. On V.C.O. 2 the width may be whereby the L.F.O's can be brought to

A sample and hold section exists on what is played on the keyboard; thus a the S.H.5, and takes samples from two sources; the L.F.O's or the noise To the right of the ring modulator, generator. The L.F.O. wave produces

useful pitch synchronising switch which of the sound; V.C.F, V.C.F and B.P.F. all functions of the synth., V.C.F., V.C.O. has three positions.

(Band Pass Filter), B.P.F or V.C.A. and volume. The keyboard may also be The V.C.F. section comes next and routed in stereo through two separate

The Roland S.H.5 is a compact, whereby the cut-off point of the filter effective synthesizer with most of the can be made to follow the pitches usual effects and a few more besides. produced by the keyboard - giving a The layout of the instrument has been similar effect to acoustical instruments intelligently planned, always, it seems, where tone colour is different in the with the musician in mind. One more high and low ranges. A three-way switch thing; during the course of the test a routes the signal through a Low-pass, rep. from Roland brought over a string synth, and showed me the effect of The cut-off point of the filter can interfacing it with the S.H.5. The also be made to follow the output of polyphonic characteristics of the string the envelope generator. Three types of synth, when passed through the filter envelope are available; the A.R. and and modulation sections of the S.H.5, Both V.C.O's offer the same choice A.D.S.R., the controls of which are on produce what is in effect a polyphonic wave-forms; triangular, sawtooth, the right of synthesizer control panel, synthesizer. The combination sounds great.

Terminals at Rear Panel

