

Roumania, Bucarest

About the artist

http://www.voxnovus.com/composer/Serban_Nichifor.htm

Born: August 25, 1954, in Bucharest, Romania

Married to Liana Alexandra, composer: http://www.free-scores.com/partitions_gratuites_lianaalexandra.htm#

Studies

National University of Music, Bucharest, Doctor in Musicology Theology Faculty, University of Bucharest International courses of composition at Darmstadt, Weimar, Breukelen and Munchen USIA Stipendium (USA)

Present Position

Professor at the National University of Music, Bucharest (Chamber Music Department); Member of UCMR (Romania), SABAM (Belgium), ECPMN (Holland) Vice-president of the ROMANIA-BELGIUM Association Cellist of the Duo INTERMEDIA and co-director of the NUOVA MUSICA CONSONANTE-LIVING MUSIC FOUNDATION INC.(U.S.A) Festival, with Liana ALEXANDRA

Selected Works

OPERA, SYMPHONIC, VOCAL-SYMPHONIC AND CONCERTANTE MUSIC:

 Constellations for Orchestra (1977)

 Symphony I Shadows (1980)

 Cantata Sources (1977)

 Cantata Gloria Heroum Holocausti (1978)

 Opera Miss Christina (libretto by Mircea ELIADE,1981... (more online)

 Qualification:
 PROFESSOR DOCTOR IN COMPOSITION AND MUSICOLOGY

 Personal web:
 http://romania-on-line.net/whoswho/NichiforSerban.htm

 Associate:
 SABAM - IPI code of the artist : I-000391194-0

About the piece



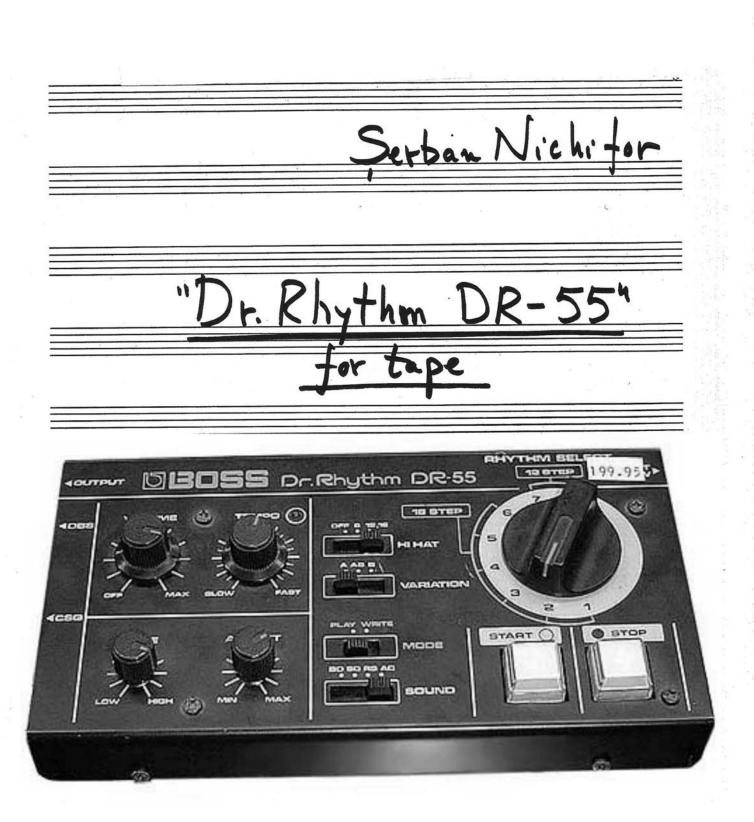
Title:Dr. Rhythm DR-55 [electronic music]Composer:Nichifor, SerbanLicence:Copyright © Serban NichiforPublisher:Nichifor, SerbanInstrumentation:ElectroacousticStyle:Electro

Serban Nichifor on free-scores.com

- Contact the artist

- Write feedback comments
 Share your MP3 recording
 Web page and online audio access with QR Code :





*) see APPENDIX -1) RHYTHM PATTERNS (MEMORY) p. 9-14 1. (32 steps) DS.D. R.S. 3. (32 steps) a 4. (32 steps) ~ -----0.00.01.000.000.0000 5. (32 steps) 6. (32 steps) 7. (24 steps) 8. (24 steps) 300", 324"+HHT 240"E F 2) TEMPI + Hi HAT I (8 steps)- 180" +Hi HATT (12,165 teps)-324" 50"- B K-465" T STARTOLA TSTOP - TEMPO A = 17"/pattern (32 steps) - TEMPO G = 3"/pattern - TEMPO B = 16"/pattern - TEMPO H=2,4"/pattern - TEMPOC = 11,5"/pattern - TEMPO 1 = 1.8"/pattern -TEMPOD=7,5"/pattern - TEMPO] = 1,4 "/ pattern -TEMPO E= 5,3"/pattern - TEMPO K= 1, 1"/ pattern - TEMPO F= 4,2"/pattern OF CHANNELS I-Y 3.) PAN POT V11(72°L) 11(18°R) VIII (81=L) ±(9°R)

"Dr. Rhythm DR-55" for tape		
	(petuo)	•
Tempo A seupre accelerande		Tempo B (~50")
	·	
а -		
Patterns (a+B):		
<u>1</u> 4	2 8	5
PPP poco a poco crescundo		

→ Tempo C (~90") (sempre accelerande)-> (~110") 120" Patterns: (2+/3) T ÷ Π ۲ TIT ĪV V VI. VII VIII PP sempre crescuido

-2-

(sempre accelerando (N 150") 1. .14 180" T : Ξ Patterns (x+B) ... 8 ĪV 1 V : VI <u>VII</u> VIII P sempre crescend -3-

+ Hi HAT I (8steps) Tempo D (sempre accelerando)-240" (N205") (~225") T Patterns (x+B): 1 111 TV Patterns (a+ B): 28 V 44 18 VI VII VIII mp sumpre cuscudo 4

Tempo E (sempre accelerando) (N248") 300" (~275") (~290") 5 2 T Ĩ In Patterns (d+B): N V Patterns (x+B) VI Patterns (x+/3): VII 1 VIII Semp cuscu m Magazinul "Muzica" 5-12

+ Hi HAT II (12,16 steps) Tempo F (sempre accelerando). > Tempo G 360" (N350") (~324") 1 4 pour > < 11 PIG 8:1 111 IV 6 100 V Poter VI VII 7:8 - pier VIII Sempre ciescudo f

- 6 -

. Reverberation poco poce a (sumpre accelerando) -> Tempo H 420" (~390") T T DIU 111 DIT IV PIE V Plu VI Più VH Div VIII ben f sample crescu

- 7-

sempre Reverberation) +~6" * Tempo j molto affrettando - Tempo K (v465") (supre acalerando) 480" 445" I Possibile STOP ello T \$ possibile ĪII Possibile TV Possibile V possibile VI Possibile ٧II possibile VIII fff Possibile ff sempre crescendo ero 20-11-1386 Suban Nichif -8-

APPENDIX

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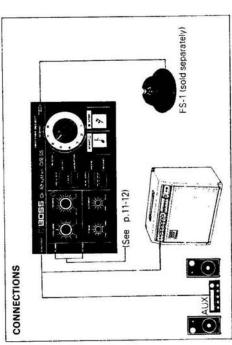
OWNER'S MANUAL R-55 Dr.Rhythm Π ñ

BATTERY POWERD DC

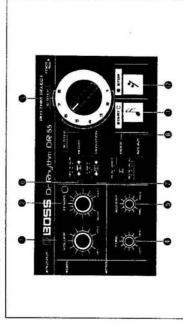
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FEATURES DR-55

drum, snare drum, and rim shot. A standard pattern hi hat sound can also be added to each rhythm. Accents can also be programmed into each pattern. Other machines such as a sequencer or synthesizer can be used with Dr. Rhythm. patterns can be loaded into the mem-ory, and will be remained even when the power switch is turned off. Each rhythm pattern is divided into sixteen steps with each step loaded one at a time for quick and accurate loading. The three rhythm sounds are: bass Dr. Rhythm is an extremely small and compact programmable rhythm machine. Sixteen different rhythm



OPERATION (FLAT) Mode. Standard rhythm patterns were loaded into memory at the time of manufacture so that Dr. Rhythm is ready to use right out of the box.



1. Set the controls as shown in the drawing.

the 2. Press START **O** to start rhythm and STOP **O** to stop it. 3. Adjust the loudness of the sound with the VOLUME control ● and the external amplifier volume control.

While listening to the rhythm, try the TEMPO Ø, TONE Ø, AC-CENT Ø, HI HAT Ø, VARIATION Ø, and RHYTHM SELECT Ø controls to see what effect they have. These controls are exverted in detail in the following pages.

NOTE: Do not change the position of the MODE switch 0.

Writing a rhythm into memory will WRITE) Mode

of "+" I as being: "44444 " 444444 written there, so be sure that the RHYTHM SELECT
and VARI-With Dr. Rhythm, each measure is divided into sixteen steps (or twelve sound, one step at a time for one (or two) measures. For the purposes of writing rhythm patterns, the pat-terns should be thought of in terms of sixteenths. In other words, think • ATION Switches are set as desired steps). Rhythm patterns are written into memory separately for each erase any previous rhythm pattern To load this pattern, press for § and § Or §. before writing new patterns.

4 fr**ee-scor**es.com

Writing 16-Step Patterns

Set RHYTHM SELECT as de-sired, set the VARIATION switch a at "A" or "B". In the example, the rhythm pattern will be loaded as rhythm pattern

2 Set the MODE switch @at WRITE; the TEMPO indicator @ should light indicating the beginning of the meas-

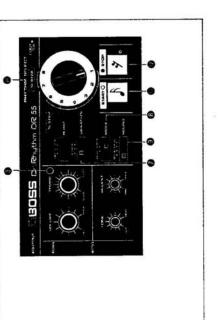
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The MODE switch the should be changed to the WRITE position only when the UITE: -

ryhthm pattern is not running. the TEMPO indicator @ does not these two use either of light, -

Press 7 @ enough times to light methods

Repeat Steps 3 and 4 above for 5 the TEMPO indicator . Set the MODE switch @ at PLAY



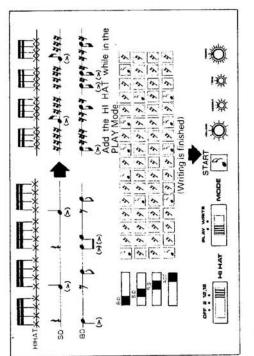
Writing 12-Step Patterns

Set RHYTHM SELECT **(b)** at either "7" or "8". Load in the same manner as above, but using twelve steps 12-step rhythm patterns can be used for triple rhythms such as 3/4 and instead of sixteen.

3/2

Writing 32- and 24-Step Patterns If the VARIATION switch () is

will played. Often, the pattern loaded into B is a variation of the A pattern in order to get more variety during duced by the AB pattern are thought of as one 32-step (or 24-step) measure, patterns based on 32 and "AB", the rhythm pattern will alternate between A and B when however, if the two (6-step (or 12-step) measures pro-24 steps can be programmed performance; C



To load, set the VARIATION switch at "AB" and load 32 steps for 24 steps with RHYTHM SELECT at "7" or "8"). The TEMPO indicator build light once haltway through the pattern, and again at the end of the pattern to indicate that loading is complete.

In the rhythm shown, the rim shot sound is not used. Set the SOUND switch Φ at "RS" and press $\left| \mathbf{\hat{Y}} \right| \mathbf{\hat{O}}$ since times to clear the memory if this is not done, the previously loaded rim shot pattern will be

the other two sounds.

and press «STOP», then return the MODE switch @to WRITE. Select the desired sound with the SOUND switch 0.

BD = bass drum; SD = snare drum; RS = rim shot; AC = accent In the example, the bass drum sound

has been selected for loading

produced when the rhythm is played

Example of use:

6 To add accents to the rhythm pattern, set the SOUND switch at "AC" and press is to at those points where an accent is desired of the accents are not desired if no accents are desired at all for the

4 Write the rhythm using the stand and sign buttons. After loading sixteen steps, the TEMPO indicator @will light showing that the measure is fully loaded

pattern, press | > 0 sixteen times to clear the memory of the previously

If the TEMPO indicator & does not light, it indicates that the measure

not been completely loaded.

has

Check by playing the rhythm, or write the rhythm again from the

beginning.

oaded accents.

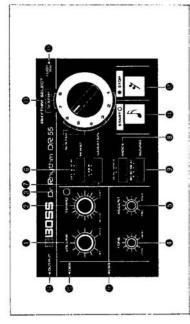
With a little forethought, it would be possible to load various rhythm patterns such as an introduction, fill-ins, breaks, etc, into the various memory slots in such a way that the could be produced non-stop by changing the RHYTHM SELECT **6** and VARIATION**6** swhitches while the rhythm pattern runs. To accomplish this, rhythm patterns at the begin-ning of the composition should be loaded into the lower numbered rhythm part for an entire composition

places of the RHYTHM SELECT switch **④**. For example, the intro-duction should be loaded into posi-tion 1. The main rhythm patterns for the composition should be near the only one step at a time when a change occurs. Changes in RHYTHM SELECT **6** and the VARIATION center; positions 3 and 4, for example. Position 6 would be used for the close in this way, the RHYTHM switch **O** should be made as close to the bar lines as possible in order to SELECT @ switch need be moved produce a smooth transition.

6

7 To check the pattern, set the MODE switch **6** at PLAY and press the START **6** button.

NAMES AND FUNCTIONS OF THE CONTROLS



The VOLUME control **O** also serves as the POWER switch. Turn the VOLUME control **O** fully counter-clockwise to turn the DR-55 off. **NOTE:** The POWER switch function OVOLUME Control/POWER Switch

is interlocked to the OUTPUT jack **•**. If there is no connection at the OUTPUT jack **•**, the DR-55 cannot be turned on.

© TEMPO Control

Controls the tempo of the rhythm when played

9 TEMPO Indicator LED

measure. In the PLAY mode, the TEMPO Flashes at the beginning of each

indicator 6 gives a visual indication

of the tempo. In the WRITE mode, the TEMPO indi-cator & indicates the point where loading can begin, and after loading the correct number of steps (12 or 16),

In the PLAY mode, these buttons START Button STOP Button

Control the start and stop of the hythm patterns. Pressing START will always start the hythm from the beginning of the measure. When the hythm is not running, the STOP putton is not running, the STOP putton is not running, the STOP beat in the measure.
 In the WRITE mode, these buttons are used to lead the sound selected with the SOUND switch I he hythm is loaded one step at a time; press [7] of or occur and press when the sound is to occur.

FOOT SWITCH Jack

By connecting a foot switch (such as the Roland FS-1; sold separately) to the FOOT SWITCH jack **•**, it is possible to control the START/STOP

become lower as the batteries age. must be connected to this jack to be able to turn on the POWER SWITCH **6**. **DBS Jack 6 DBS Jack** For controlling external devices with the DR-55. function of the DR-55 remotely when DBS: +5v, 8ms CSO: +4v, 10ms Remember that these pulse levels will DBS: Outputs a pulse for each step CSQ: Outputs a pulse at each step the output For connection to an amplifier. A cord where an accent is programmed. When this jack is used, accents no longer occur in the programmed rhythm patterns. With new batteries, in the rhythm pattern. in the PLAY mode. OUTPUT Jack pulses are:

loading is complete.

Controls the tone color of the per-O TONE Control

cussion sounds.

rhythm patterns. At MIN, the pro-grammed accents will be weak; at Controls the dynamic range of the If accents are not programmed, this control has no effect on the sound. **OACCENT** Control MAX, strong.

O HI HAT Switch

This switch is for adding the hi hat sound to the programmed pattern At OFF, there is no hi hat sound. At "8", the hi hat sound will occur eight times per measure. At "12/16", the hi hat will occur twelve times per measure in the 12-beat rhythm and sixteen times for the 16-beat rhythm

OVARIATION Switch

For each position of RHYTHM SELECT **o** it is possible to load two rhythm patterns: A and B. In other words, using the A and B variations and the eight positions of RHYTHM SELECT **o**, it is possible to load sixteen separate rhythm pat-At "A" or "B", the A and B variations are produced. At "AB", the A and B patterns are played one after the other in series: A, B, A, B, etc. In the WRITE mode: The VARIATION switch **6** determines which variation memory (A or B) the pattern will enter when loaded. At "AB", two measures can be loaded in series. terns. In the PLAY mode:

OMODE Switch

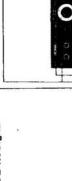
the PLAY mode or WRITE mode. When not actually programming rhythm patterns, this switch should aways be left in the PLAY mode position to prevent accidental erasure of rhythm patterns. ©SOUND Switch Determines whether the DR-55 is in Used to select sounds and accent

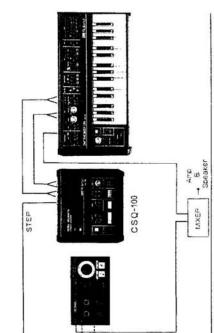
BD = bass drum; SD = snare drum; RS = rim shot; AC = accent **© RHYTHM SELECT** when programming rhythm patterns.

In PLAY mode, determines which rhythm will be played; in WRITE mode, determines where the rhythm will be written



Sequencer





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B. CSQ jack @ connected to CSQ-100 STEP INPUT jack The CSO-100 will advance one step each time the DR-55 advances one step. (one step = sixteenth note). **INPUT** jack

The CSO-100 will advance one step at each point where an accent is programmed. đ

If the position of RHYTHM SELECT is changed at the end of each measure, twelve measures of different melody rhythm can be played.

If the CSO jack **6** is connected to the CSO-100 GATE INPUT jack, the CSO-100 GATE REWRITE mode cSO-100 GATE REWRITE mode can be used for programming rhythm patterns loaded into the DR-55.

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Martin Contraction 9° Juni 1 LOAD MODE ICV ONLY ٠ ٠ + ٠ Eš E + • E Ę E§ H EX. . E E and the second E e+. • CSO CS0 Pulse 2 DBS Pulse Pulse CSO (a) DBS 030

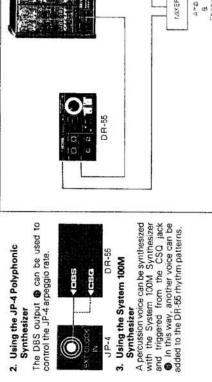
Examples: Use the CSQ-100 Digital Sequencer for percussion voices with pitch or tone color changes.

C S Q-100

D R-56

A. DBS jack @ to the CSQ-100 STEP

Use the keyboard to load CV data into the CSQ-100. (Cords for patching the sound are B P The second の日ののない not shown) -V Transfer II 0 1 MIXER STEP t ≜ac B Speaker THE DUCCH . 0 DR-55 10 00



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CHANGING BATTERIES

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of the percussion sounds begins to deteriorate, the batteries should be replaced. If the new batteries are When the batteries have become one year old, or when the tone color three minutes of removing the old batteries, the rhythm patterns con-tained in the memory will remain TO REPLACE: 1. Turn off the POWER switch remove the screw and open the lid. approximately within inserted intact

Being careful of the wires, remove the battery case from the compart-ment and un-snap the connector from the battery case.

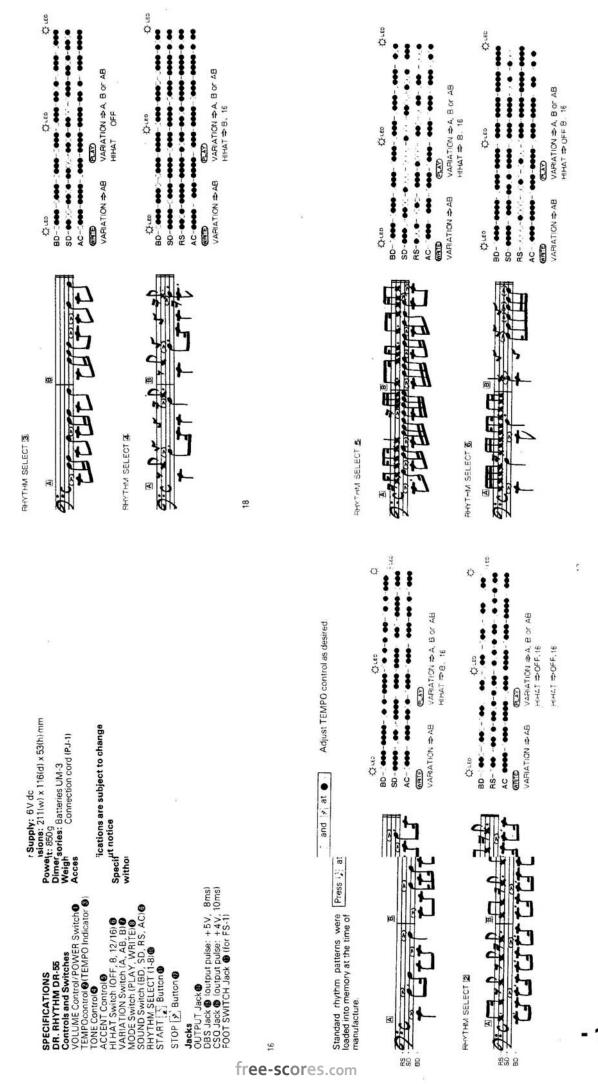
3. Replace the old batteries with new batteries; **OBSERVE POLARITY**.

a.

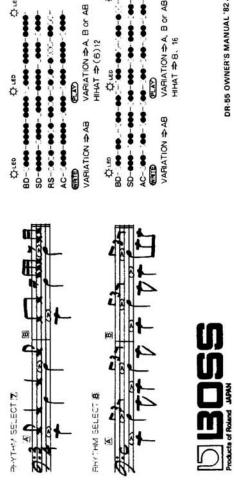
4. Re-connect the connector.

5. Being careful not to pinch the wires, replace the battery case in its compartment.

6. Close the lid and replace the screw



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OF IES

VARIATION ⇒A, B or AB HIHAT ⇒(6)12

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VARIATION ⇒A, B or AB HIHAT ⇒8, 16

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