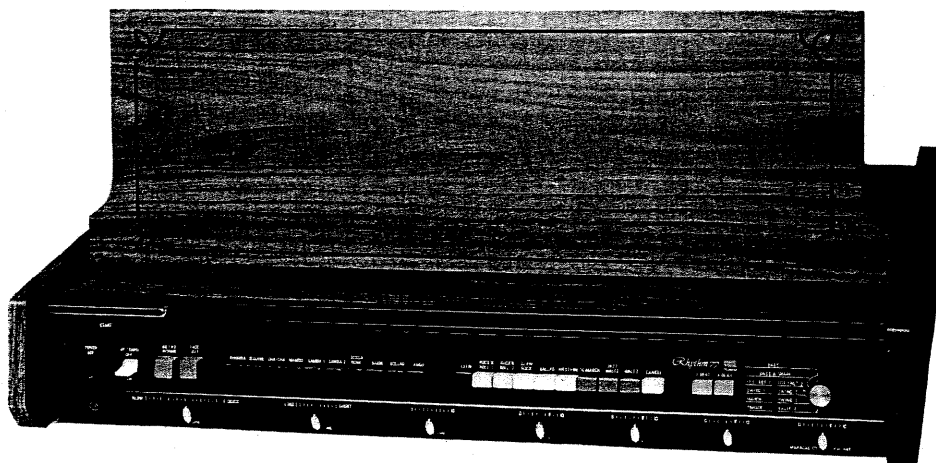


Rhythm 77

ROLAND RHYTHM INSTRUMENT

MODEL TR-77



SPECIAL FEATURES

1. As it is equipped with newly-developed start switch of touching type, the operation will do very comfortably.
2. Metronome device is set.
3. Up-tempo switch is set which works with one touch and double the tempo of rhythm.
4. Fade-out switch is set to add and increase the pleasure of performance in ending.

 Roland Corporation

PREPARATION

1. Connect the L-plug of the connecting cord to the low impedance (L.IMP) of the Output Jack on the rear panel and the I-plug to the Input Jack of the Organ or the amplifier. When connecting to the auxiliary terminal (AUX) of Hi-Fi stereo, connect the pin-plug to the terminal after pulling out the tip of I-plug. The same way, the high impedance (H.IMP) of the Output Jack on the rear panel will be used. Connect the L-plug to the Jack from which the better sound is gained, as the quality of tones may vary in accordance with the types of amplifiers used.
2. Set the level volume knob of each instrument at a point of the mark "▼".
3. Plug the power cord into the AC outlet.
4. Connect the I-plug of the Foot-switch to the START Jack on the rear panel if you want to control the start with Foot-switch.

OPERATION

Turn the A.C. power switch ON. The tempo pilot lamp shows flicker signal and repeats itself.

TEMPO ADJUSTMENT

Tempo pilot lamp flickers in accordance with the speed of tempo.

Moving the tempo control knob in the right direction will increase tempo speed, and moving conversly will decrease tempo speed.

START BAR (Touch plate)

Start and Stop of the rhythm machine can be operated with slight finger's touch.

METRONOME

Useful to know the tempo of rhythm before your performance. Push the metronome button, and the beat sound is produced.

If you push the button again, the sound is suspended. Beat sounds have the same count with the rhythm of rhythm selector.

When metronome works on, you can get any rhythm by rhythm selector in same beat with slight touch to the touch-plate.

LEVEL ADJUSTMENT OF EACH INSTRUMENT

The output level of each instrument will increase by moving the level adjusting volume knob to the right.

Moreover, Maracas, Cymbal and High-Hat are able to be adjusted with one knob.

RHYTHM SELECTOR

10 kinds of rhythm buttons for Jazz and Latin, and the 10 buttons for Latin rhythms employ an automatic cancel system. The Latin rhythms do not come out unless LATIN is ON. This device is for prevention of mixture of Jazz rhythms with Latin rhythms. For example, the button for Ballad is pushed while Waltz is already depressed, the button for Waltz is automatically canceled. The same is true of the button for Mambo (Latin rhythm).

Only when the button for Mambo was pressed before, Mambo comes out by pressing LATIN, and Waltz is automatically canceled. Reversely,

when the button for Mambo is ON, pressing of Waltz button will make cancellation of Mambo with automatical change of LATIN.

Notice the speedy tempo of Slow Rock, Ballade, Jazz-Waltz, Waltz, 6/8 March and Bolero.

CANCEL BUTTON

Just one push of Cancel button placed right end of Jazz rhythm selector cancels all rhythms of Latin and Jazz line, leaving variation only.

BEAT SELECTOR & VARIATION

By pushing one of the beat buttons and turning the VARIATION knob, the rhythm indicated by the arrow of the knob can be obtained.

FADE-OUT SWITCH

In the closing part of performance, the ending effect is produced automatically by using fade-out switch.

Press the switch "ON," and the volume will be diminished in accordance with the fade time set beforehand.

Press the same switch again, and the volume will be suddenly restored to the original, then it will be diminished repeatedly.

This is quite interesting features in performance.

UP-TEMPO SWITCH

Up-tempo switch works remarkably when you want to double the tempo suddenly and enjoy performance.

Press the switch "ON" and the tempo will be doubled instantly.

With "OFF" switch pressed, the tempo is restored to the former state.

UP-tempo switch adds interest and pleasure to your performance.

RHYTHM COMBINATION

By combining rhythm selector and beat selector simultaneously, interesting mixed rhythm patterns can be produced. In case of pushing two or more rhythm buttons, be careful to detach fingers simultaneously.

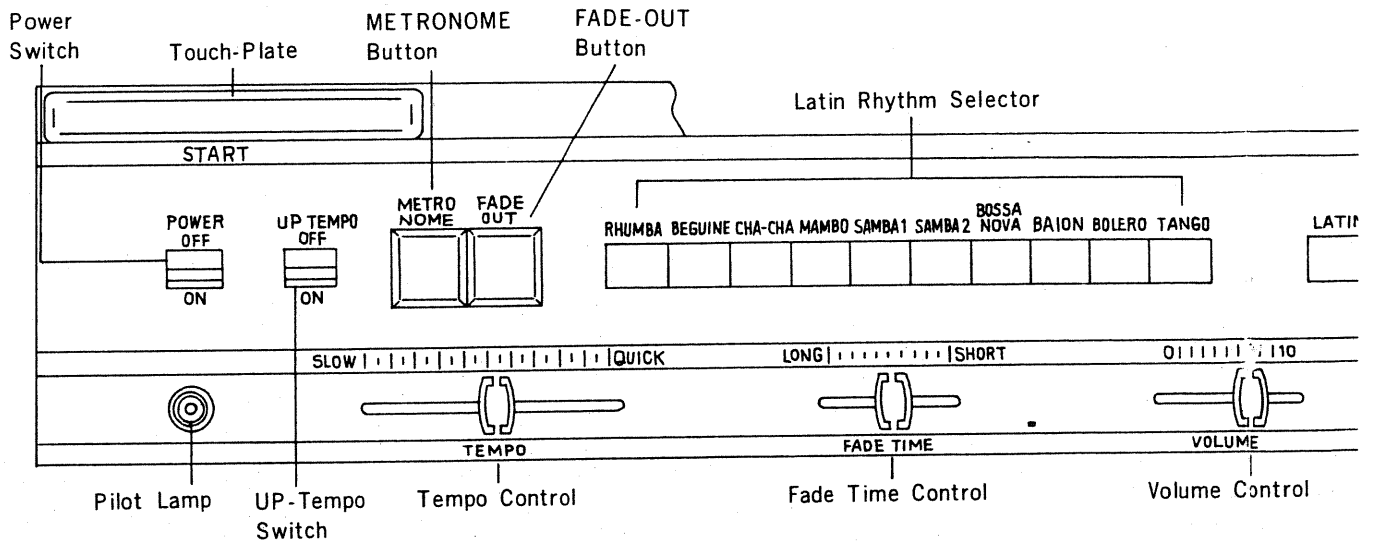
When combining Slow Rock, Ballade, Jazz-Waltz, Waltz, 6/8 March, Bolero and others together, three or six-beat rhythm is produced.

Combinations of these will produce interesting rhythms.

PRECAUTION

1. Avoid playing near fluorescent lights, neon lights, transformers and others so that undesirable noises are not created.
2. It is free from sound distortion, but it should be played under the maximum limit of the amplifier capacity. To connect the model with amplifiers having enough ample output power is always recommended.
3. As it covers a very wide range of tones, the quality of tones may vary in accordance with the types of amplifiers used.
It is desirable to use amplifiers having high selective power.
4. Avoid using "ROLAND RHYTHM" in high temperature or humid places.
Be careful not to let it accumulate dust.

TR-77 PANEL DISTRIBUTION



RHYTHM PATTERN

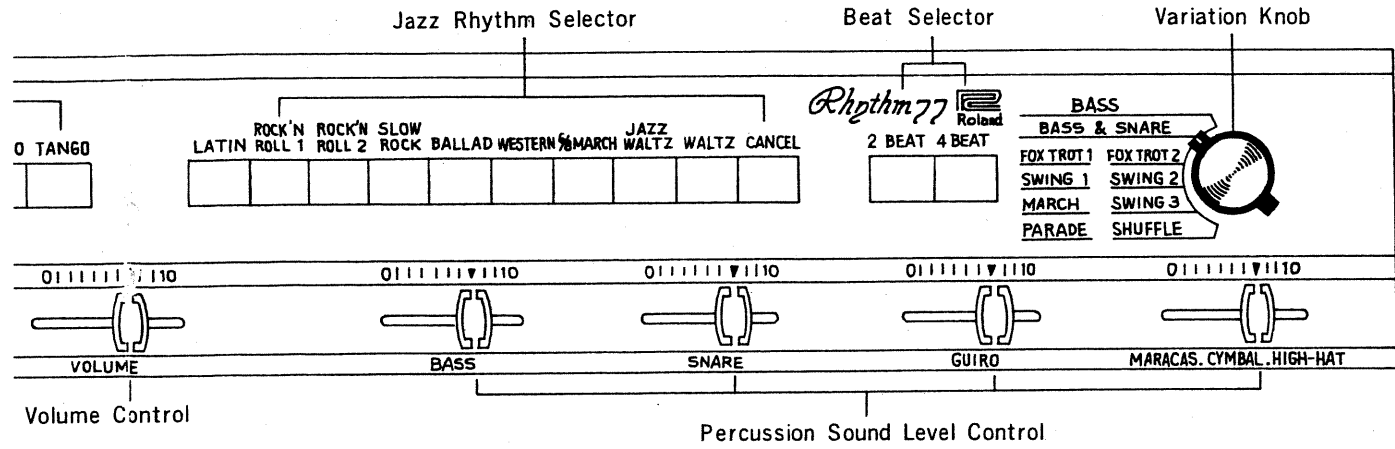
Each sound of percussion instruments is identified by the figure of notes on the five lines.

METRO NOME

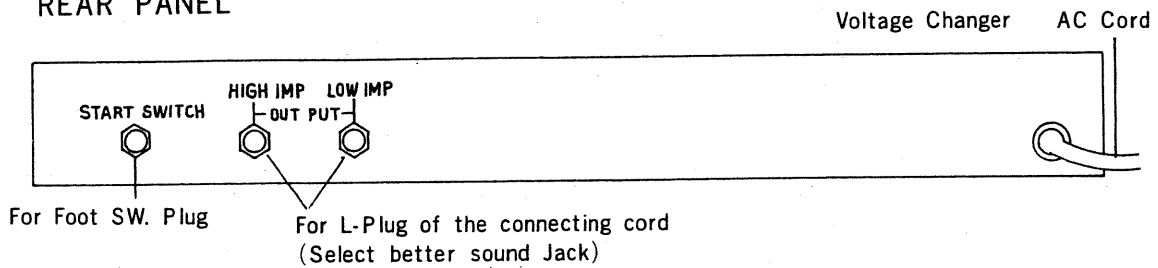
Low Conga High Bongo Rim Shot Cow Bell Hi-Hat Cymbal
 Bass Drum Low Bongo Snare Drum Craves Maracas Tambourine Guiro

2 BEAT

DISTRIBUTION DIAGRAM



REAR PANEL



4 BEAT

Bass

Bass & Snare

Fox Trot 2

Swing 2

Swing 3

Shuffle

JAZZ

Rock'n Roll 1

Rock'n Roll 2

Slow Rock

Ballad

Western

6/8 March

Jazz Waltz

Waltz

This section contains eight musical staves for different jazz styles. Each staff begins with a treble clef and a key signature of one flat (Bb). The time signatures are: Rock'n Roll 1 (4/4), Rock'n Roll 2 (4/4), Slow Rock (4/4), Ballad (4/4), Western (4/4), 6/8 March (6/8), Jazz Waltz (3/4), and Waltz (3/4). The notation includes various rhythmic patterns, rests, and accidentals.

LATIN

Rhumba

Beguine

Cha-Cha

Mambo

Samba 1

Samba 2

Bossa Nova

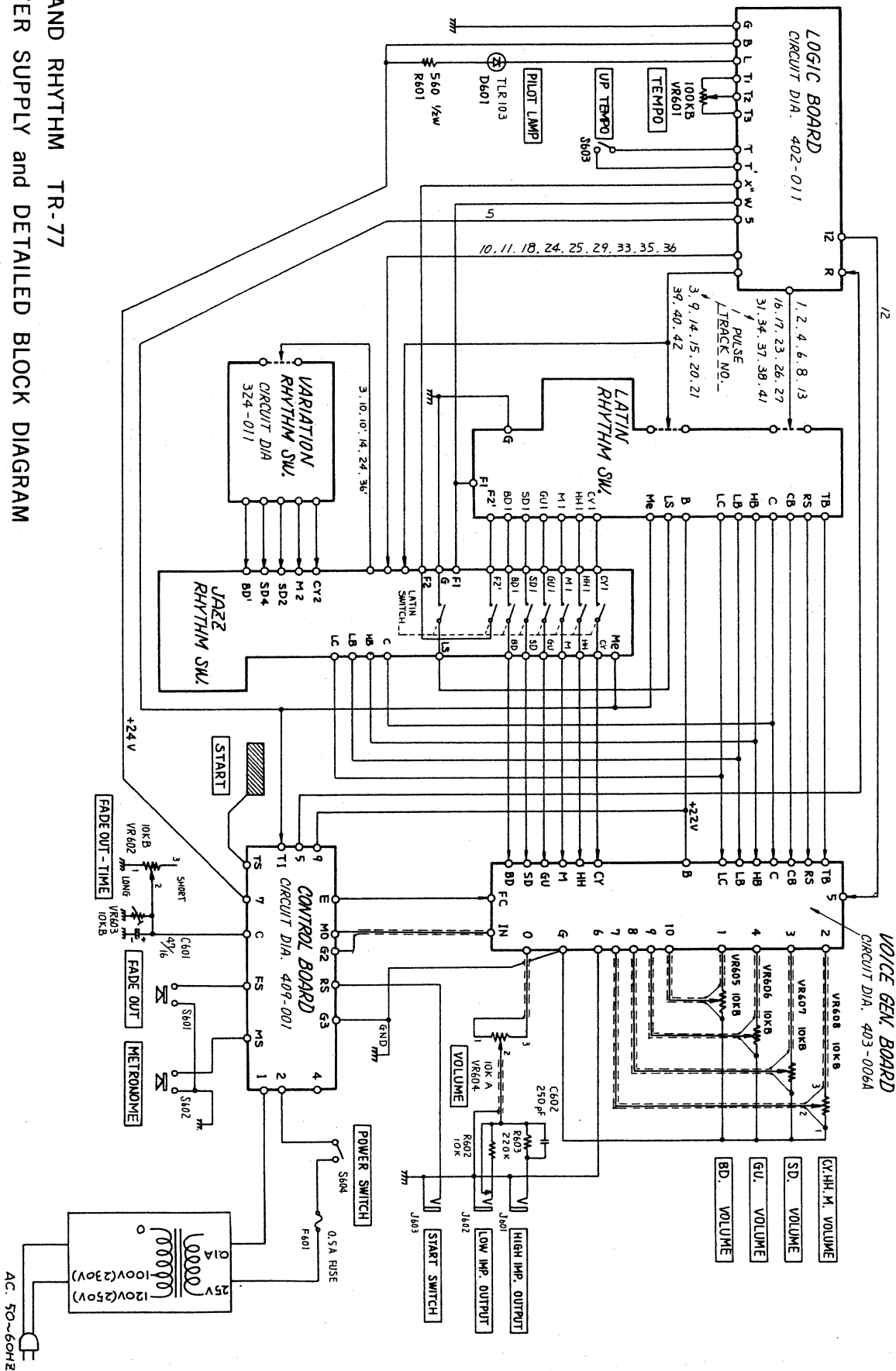
Baion

Bolero

Tango

This section contains ten musical staves for different Latin styles. Each staff begins with a treble clef and a key signature of one flat (Bb). The time signatures are: Rhumba (4/4), Beguine (4/4), Cha-Cha (4/4), Mambo (4/4), Samba 1 (4/4), Samba 2 (4/4), Bossa Nova (4/4), Baion (4/4), Bolero (4/4), and Tango (4/4). The notation includes various rhythmic patterns, rests, and accidentals.

ROLAND RHYTHM TR-77
 POWER SUPPLY and DETAILED BLOCK DIAGRAM



ROLAND RHYTHM MODEL TR-77

SPECIFICATIONS

Jazz Rhythm Selector Switch	8
Rock'n Roll 1, Rock'n Roll 2, Slow Rock, Ballad, Western, 6/8 March, Jazz Waltz, Waltz.	
Latin Rhythm Selector Switch	10
Rhumba, Beguine, Cha-Cha, Mambo, Samba 1, Samba 2, Bossa-Nova, Baion, Bolero, Tango.	
Beat Selector Switch	2
2-beat, 4-beat.	
Variation Knob (6 steps)	1
2-beat.....(Bass Drum, Bass and Snare Drum, Fox Trot 1, Swing 1, March, Parade)	
4-beat.....(Bass Drum, Bass and Snare Drum, Fox Trot 2, Swing 2, Swing 3, Shuffle)	
Percussion Instrument	13
Bass Drum, Low Conga, Low Bongo, High Bongo, Cowbell, Rim-Shot, Claves, Snare Drum, Maracas, High-Hat, Cymbal, Tambourine, Guiro.	
Control Knob	7
Level Control.....Maracas, Cymbal, High-Hat, Guiro, Snare Drum, Bass Drum.	
Volume Control	
Tempo Control	
Fade Time Control	
Touch Start Switch	1
UP-Tempo Switch	1
METRONOME Button	1
FADE-OUT Button.....	1
Power Switch	1
Tempo Pilot Lamp	1
Output Jack (Low Impedance : 10K Ω , High Impedance : 220K Ω)	2
Footswitch Jack for Start	1
Silicon Transistors	41
Silicon Diodes	175
IC	1
AC Voltage	: (100V, 117V) or (220V, 230V, 240V), 50/60Hz
Power Consumption	: 4.9VA
Measurement	: 640 (W) \times 310 (D) \times 95 (H) mm (25.2 (W) \times 12.2 (D) \times 3.75 (H) inch)
Weight	: 7.5kgs. (16.5Lbs.)
Accessories	
Connecting Cord 2.5m (with Pin-Plug Adaptor)	1
Foot-Switch for Remote Control (to start)	1

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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