Roland
WE DESIGN THE FUTURE

MC-202
MICROCOMPOSER

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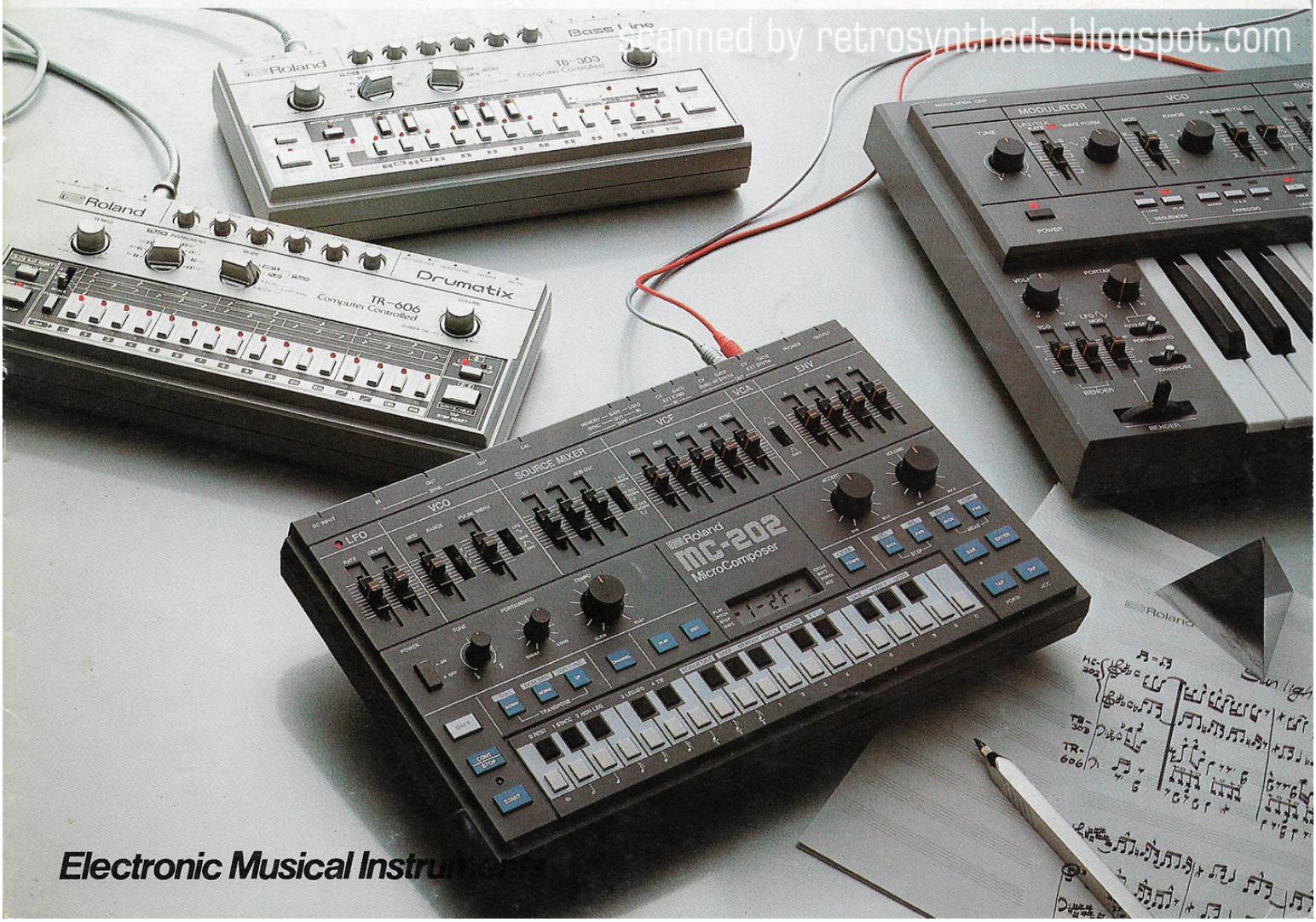

Electronic Musical Instruments

MC-202
MicroComposer

The MC-202 is a 2-CHANNEL DIGITAL SEQUENCER equipped with a one-channel monophonic synthesizer applies all of the technology gained in developing the MC-4

- Capable of storing up to 2600 notes in two channels — about 160 measures in one channel, eight notes per measure.
- The newly developed keyboard-style switches can be used to write pitch data and for real time writing just as if it were an ordinary keyboard.
- More sophisticated music writing in the STEP KEY writing mode, a first among digital sequencers, plus REAL TIME writing mode in time with the built-in metronome.
- It is also possible to write with the numerical keyboards just like the MC-4.
- Indispensable elements for a performance such as ON/OFF of portamento or accent can be memorized using the built-in synthesizer.
- The remaining memory capacity is indicated in the number of the notes. This is convenient for data entry.
- Liquid-crystal display allows faster, more exact confirmation of data.
- The POWER SAVE function cuts the power supply, except for memory protection and save power, when the POWER SAVE key is pressed.
  It requires no saving and loading until a complete data is produced.
- The TAPE INTERFACE is provided for unlimited data storage.
- The built-in monophonic synthesizer (1V/oct.) comparable to the SH-101 allows data to be entered while hearing the actual sound with headphones.
  No external synthesizer is required.
- When another 1V/oct. standard synthesizer is connected, the 2-channel configuration allows 2-voice performance, unison performance and writing into the MC-202 with its keyboards.
- Three DIN jacks (one for INPUT and two for OUTPUT) are provided for synchronized performance with an additional MC-202 as well as with a TR-606 DRUMATIX and a TB-303 BASS LINE.
- Easy to play, with no complicated operation in the multi-track recording. The TAPE SYNC function enables the MC-202 to play a synchronized performance with recorded synchronizing signals, and the synchronizing signals from the DIN OUT jacks are also used to synchronize with external devices.
- The MC-202 is incredibly expandable. The CV and GATE OUT jacks can be used not merely for connecting to an external synthesizer but for assigning one channel to control melody and controlling volume according to the control voltage from the other channel, for example, in conjunction with a Roland System 100M.
- The MC-202 is small in size and light in weight.
  It's handy to carry.



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SPECIFICATIONS

- **Memory Capacity:** Approx. 2,600 notes
- **Input Mode:** Manual Input, Real Time Input, Tap Input

SYNTHESIZER MODULE

- **LFO:** Rate (0.2Hz ~ 10Hz). Delay (0 ~ 1S)
- **VCO:** LFO modulation, Range (16' ~ 2'), Pulse Width Modulation (LFO, MANUAL, ENV)
- **MIXER:** ⊓⊔, ⟋, SUB OSC (1oct, ⊓⊔, 2oct. ⊓⊔, 2oct ⊓⊔)
- **VCF:** Cut-off frequency, Resonance, ENV MOD, LFO MOD, Key follow (0 ~ 100%)
- **VCA:** ENV, GATE
- **ENV:** Attack time (2mS ~ 1.5S), Decay time (2mS ~ 5S), Sustain level (0 ~ 100%), Release time (2mS ~ 5S)
- **CONTROL:** Portamento, Accent
- **TUNING:** ±50 cent
- **TEMPO:** ♩ = 40 ~ 300
- **REAR PANEL:** AC adapter jack (BOSS PSA-Series), OUTPUT, HEADPHONES, EXT SYNTH CV OUT, EXT SYNTH GATE OUT, BUILT-IN SYNTH CV OUT, BUILT-IN SYNTH GATE OUT, EXT KYBD CV IN, EXT KYBD GATE IN, LOAD/TAPE SYNC IN, SAVE/TAPE SYNC OUT, Calibration, SYNC OUT (x 2), SYNC IN (x 1)
- **CURRENT DRAW:** 80mA (MIN) ~ 100mA (MAX)
- **DIMENSIONS:** 343(W) x 204(D) x 55(H)mm (13.5"x8.03"x2.17")
- **WEIGHT:** 1.35kg (2.97 lbs.)
- **ACCESSORIES:** Connection cord (PJ-1) x 1, Demonstration tape x 1, Battery (BR-2) x 6

HOW TO USE THE MC-202

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The MC-202 features three easy-to-operate entry mode:
(1) REAL TIME input — data is entered just as an ordinary keyboard is played:
(2) TAP input — pitches and timing are individually entered:
and (3) MANUAL input — pitches step time and gate time are individually entered.
Even musicians with no prior training can enter data quickly and accurately.

REAL TIME input

Data can be entered just as an ordinary keyboard instrument is played.

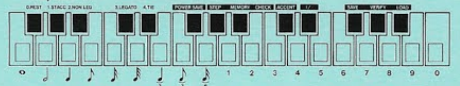
A Entering data using the MC-202 keyboard switches:

❶ First turn on the MC-202.
You'll know that it is ready for writing the pitch when the display looks like the right.



❷ Holding SHIFT down, press REAL TIME NORM and then START.

❸ With START pressed, the built-in metronome begins to sound.
After the sounding of the metronome for two measures (after two measures the LED above START comes on), begin to write data with the keyboard switches just as you would play an instrument's keyboard.



* During the first two measures, writing cannot be effected even though keyboard switches are pressed.

❹ When the last measure is reached, press CONT STOP to continue writing the data.
The LED above START goes off when the writing is completed.

❺ Pressing PLAY changes the display as shown below.



Press START to start the performance.

❻ Press CONT STOP to stop the performance.

B To enter with a keyboard of an external synthesizer (for example, the SH-101).

❶ Connect the MC-202 and the SH-101 as shown in the figure below.



❷ The next steps are the same as in procedure A. The data is written into the MC-202 with the keyboard of the SH-101.

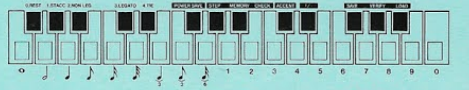
TAP input

This procedure is used to write pitches with the keyboard switches and to enter timing using the TAP key.

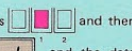
❶ Turn on the MC-202.
Or call the PITCH mode by pressing EDIT.



❷ Write the pitch with the keyboard switches. (Independent of the timing)



❸ At the end of writing, holding SHIFT down, press [ ] and then ENTER. The display changes to



, and the data returns to the beginning of the first measure.

❹ Holding SHIFT down, press TAP DOWN, and then START.

❺ With START pressed, the built-in metoronome begins to sound.
After the sounding of the metoronome for two measures, write the timing (GATE/STEP TIME) by pressing TAP ACC or TAP PORTA to the metoronome.

❻ When the last measure is reached, press CONT STOP and continue writing the data.
The LED above START goes off when the writing is completed.

❼ Pressing PLAY changes the display as shown the right.



Press START to start the performance.
This performance is stopped when CONT STOP is pressed.

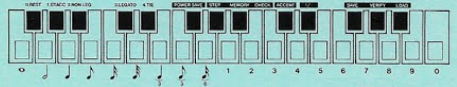
MANUAL input

This procedure is used to write pitches with the keyboard switches, and to write the timing using the STEP and GATE keys or the numerical keyboard. With this procedure, even a musician unaccustomed to keyboard playing can easily write music in delicate details.

❶ Turn on the MC-202.
Or call the PITCH mode by pressing EDIT.



❷ Write the pitches for one measure with the keyboard switches. See Ⓐ



❸ At the end of the writing, write the bar line by pressing BAR. See Ⓑ
Repeat steps ❷ and ❸ to write the pitches for one musical composition.

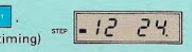
❹ When completing the pitch writing, holding SHIFT down, press [ ] and then press ENTER.



Display changes to

and the data returns to the beginning of the first measure.

❺ Call the STEP mode by pressing EDIT.
(This is the mode used for writing timing)



❻ Set the desired gate time using



The display indicates the selected GATE key number. See Ⓒ



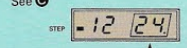
This example shows "2 = NON LEG."

0. REST
1. STACC. = staccato
2. NON LEG = non legato
3. LEGATO
4. TIE = tie or slur (This serves as a tie for connecting two identical notes, and as a slur for connecting two different notes.)

❼ Set the desired note value (STEP TIME) using



The display indicates the selected step time. See Ⓒ



This example shows "24 = ♩ "

𝅝 = 192
𝅗𝅥 = 96
♩ = 48
♪ = 24
𝅘𝅥𝅯 = 12
𝅘𝅥𝅰 = 6
= quarter-note triplet = 32
= eighth-note triplet = 16
= sixteenth-note sextuplet = 8

❽ To terminate GATE/STEP TIME writing, press ENTER.
For a dotted note, press BAR, not ENTER.

♩ = ♩ + BAR

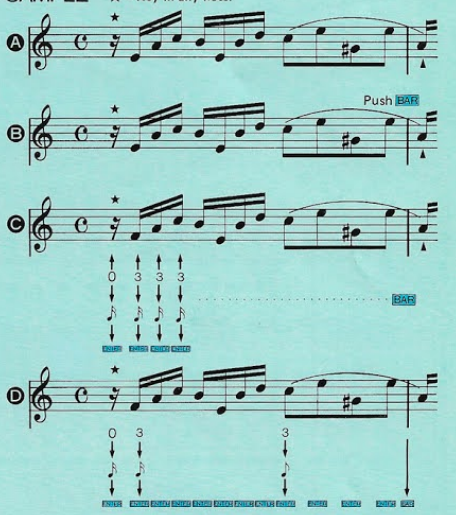
❾ Repeat steps 6, 7 and 8.
When the same note is repeated, the following procedure can be used to omit steps 6 and 7. See Ⓓ
- When both the GATE TIME and STEP TIME are equal, press ENTER.
- When the GATE TIME is the same but the STEP TIME is not the same, press ENTER after step 7.

❿ At the end of the writing, press PLAY.



⓫ Press START to start the performance.
To stop it, press CONT STOP.

SAMPLE ★ = Key in any note.







PLAY BACH

Let the MC-202 perform Bach's Invention No 13.

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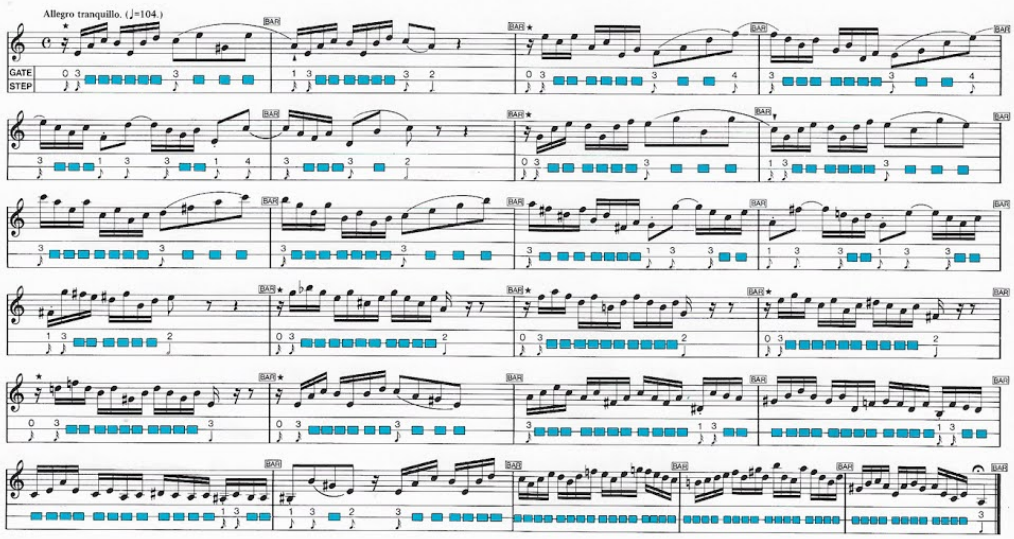
CHANNEL 1

★ = Key in any note. ■ = push ENTER only

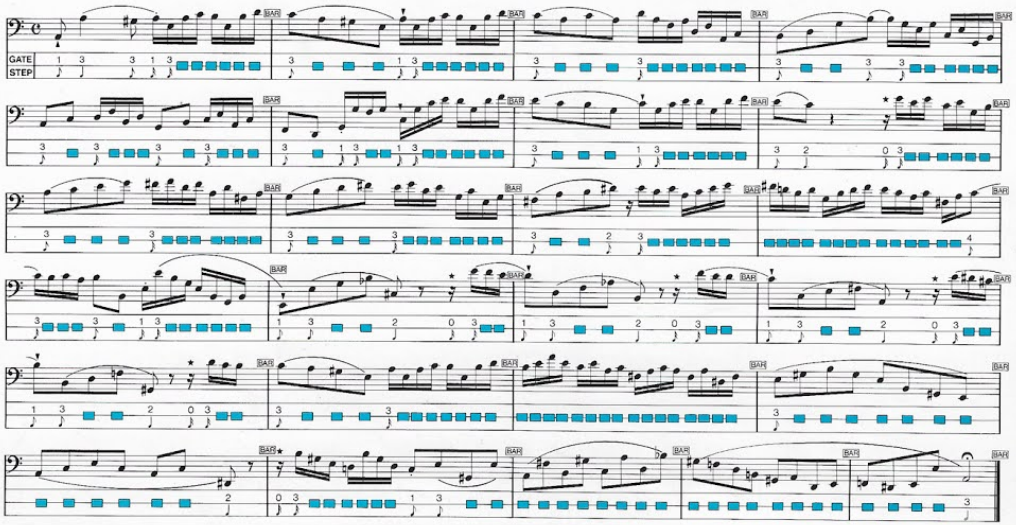
Note: Select Step and Gate time according to the music you want to play.



CHANNEL 2

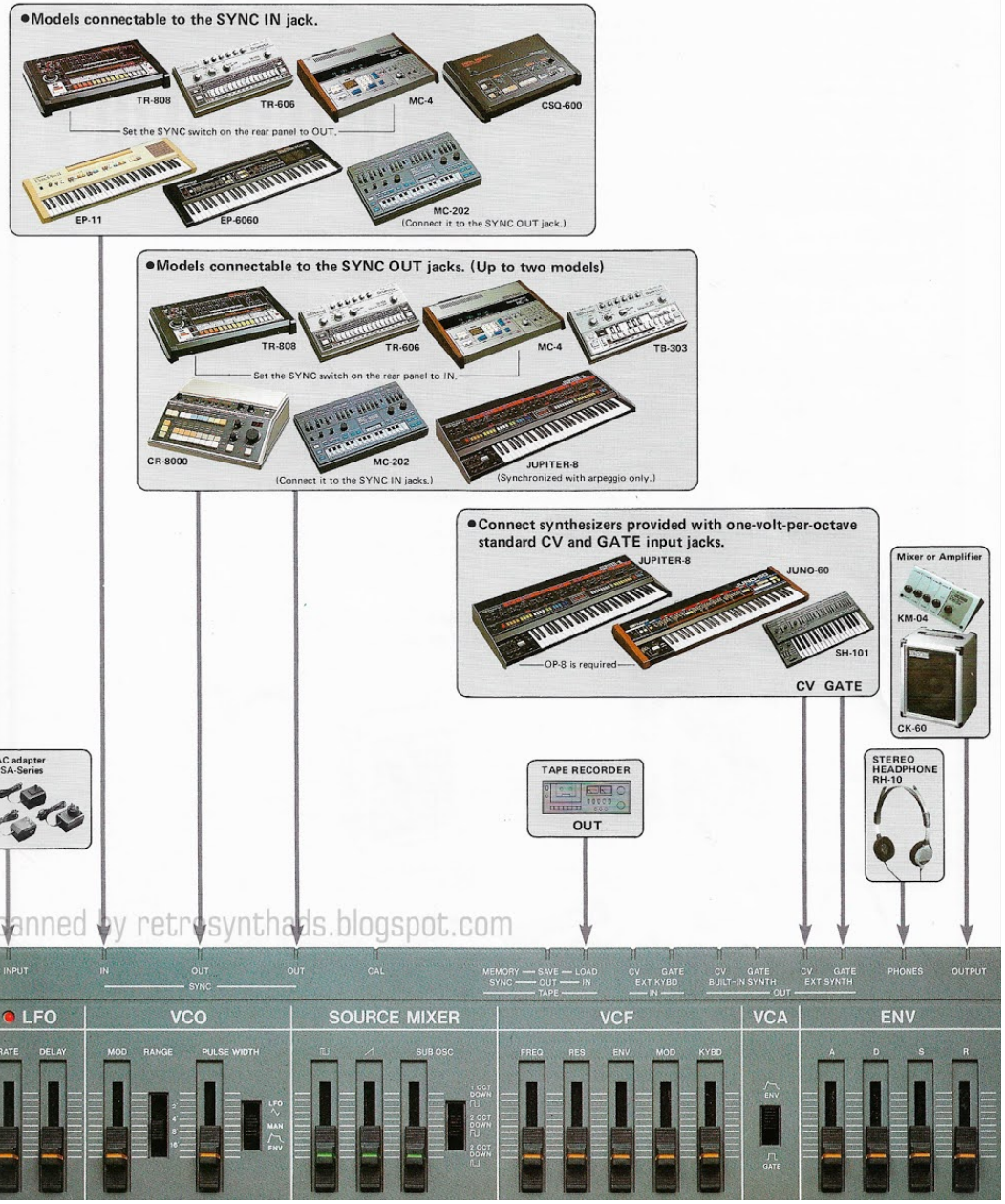
To obtain 2-voice performance, push CHANNEL to switch to channel 2,

the display will show PLAY PITCH STEP GATE -22 24, then connect an external synthesizer.



EXPANDIBILITY OF THE MC-202

The MC-202 is equipped with three DIN SYNC jacks: one IN and two OUT jacks.
This makes it possible to synchronize with up to three machines.



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OPTIONS

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SH-101 MONOPHONIC SYNTHESIZER

The cost-effective 1V/oct monophonic synthesizer: Best partner for the MC-202

The source mixer is capable of mixing ⊓⊔, ⟋, sub-oscillator, and noise at any level for sound creation well beyond the scope of a single VCO. Since CV/GATE input and output jacks are provided, the unit can be played with the MC-202. And despite its small size, this high cost effective monophonic synthesizer is equipped with auto-arpeggio, key transpose, and a digital sequencer that allows automatic playing up to 100 steps. With the optional MGS-1, the SH-101 can be played in a standing position as a shoulder synthesizer.

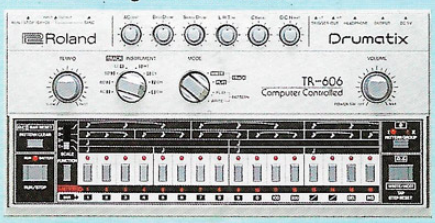
• 32 keys, F-scale • Dimensions: 570(W) x 80(H) x 311(D)mm (22.4" x 3.15" x 12.2") • Weight: 4 Kg without batteries (9.02 lb.) • Accessories: 2.5m connection cord (PJ-1) x 1, UM-2 batteries (BR-2) x 6

Option: MGS-1 Modulation Grip Set



TR-606 DRUMATIX

For a perfect drum section, synchronize the TR-606 with the MC-202 using one DIN cord.

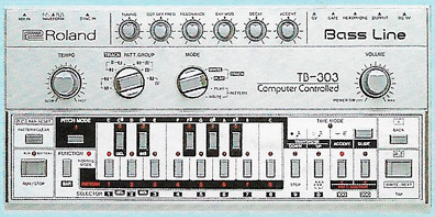


The TR-606 can memorize up to 32 rhythm patterns that you create. Let the TR-606 play drums through one tune. Control each percussion volume to get the drumming you want. Irregular rhythms can also be memorized, like quint times or septuple times, or rhythms using triplets and sextuplets.

• Number of memorized rhythms: 32 • Number of programmable bars: 64 bars x 7 tracks, 256 bars x 1 track • Dimensions: 300(W) x 55(H) x 146(D)mm (11.8" x 2.17" x 5.75") • Weight: 1 Kg (2.2 lb.) • Accessory: Soft case

TB-303 BASS LINE

Synchronize the TB-303 with the MC-202 for a Full Bass Section. All it takes is one DIN cord.



The Bass Machine covers three full octaves and memorizes up to 64 bass patterns. Create your unique bass sound using cut off frequency, resonance, envelope modulation, and other tone controls.

• Number of patterns in memory: 64 patterns • Number of tracks: 64 bars x 7 (max 256 bars) • Dimensions: 300(W) x 55(H) x 146(D)mm (11.8" x 2.17" x 5.75") • Weight: 1.0 Kg (2.2 lb.) • Accessory: Soft case

KEYBOARD AMPS

CUBE-60 KEYBOARD CK-60

CUBE-40 KEYBOARD CK-40

The 60W/40W keyboard amp (CK-60/CK-40) reproduces the sound of the MC-202 BAND faithfully.



• Output: 60W rms • Speakers: 30cm woofer x 1, horn tweeter x 1 • Dimensions: 370(W) x 465(H) x 300(D)mm (14.6" x 18.3" x 11.8") • Weight: 16.5 Kg (36.3 lb.)



• Output: 40W rms • Speaker: 25cm, double cone • Dimensions: 310(W) x 368(H) x 205 (D)mm (12.2" x 14.5" x 8.1") • Weight: 11 Kg (24.2 lb.)

BOSS

KM-04 MICRO MIXER



The orthodox 4-channel mixer with condensed functions. Connect the MC-202, the SH-101, the TR-606, and the TB-303, and control their balance as you wish.

• Dimensions: 145(W) x 47(H) x 86(D)mm (5.7" x 1.9" x 3.4") • Weight: 350 g (0.77 lb.)

STEREO HEADPHONE
RH-10



AC ADAPTER
PSA series



PEDAL SWITCH
DP-2



FOOT SWITCHES
FS-1 **FS-2** **FS-3**



DIN CORD
PCS-17



*Specifications and appearance subject to change without notice.

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