Introduction The TR-09 is a sound module that uses cutting-edge modeling technology to faithfully model the Roland TR-909 which went on sale in 1983. In addition to its compact size, it allows battery-powered operation and

contains a small speaker. You'll be able to enjoy full-fledged TR-909 sound anywhere The TR-09 can operate on batteries or on USB bus power. If you are using batteries, insert four AA batteries, making sure that the batteries are oriented correctly. If you handle batteries improperly, you risk explosion and fluid leakage. Make sure that you carefully

observe all of the items related to batteries that are listed in "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (leaflet "USING THE UNIT SAFELY"). When turning the unit over, be careful so as to protect the buttons and knobs from damage. Also, handle

the unit carefully; do not drop it. When the batteries run low, the "b Ł L a" blinks in the display. Replace the battery as soon as possible

Using the TR-09 in conjunction with the DK-01 Boutique Dock (accessory)

noval/angle adjustment, refer to the DK-01's Owner's Manual.

Playing the TR-09 via MIDI or USBYou can also play the TR-09 via MIDI or USB. For details, refer to "Connecting Your Equipment."

Connecting Your Equipment



A Micro USB (←←) port

Use a commercially available USB 2.0 cable (A-microB) to connect this port to your computer. → "Connecting via USB"

B [VOLUME] knob **O** PHONES jack

OUTPUT jack

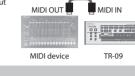
ect this jack to your amp or monitor speakers

MIX IN jack This is the audio input jack. Sound from the connected device is output

from the OLITPLIT jack and PHONES jack

MIDI connectors

You can synchronize the TR-09 with other MIDI device by using a commercially available MIDI cable to make connections



Turning the Power On

G [POWER] switch

After you've made connections correctly, be sure to turn on the power in the order of the TR-09 first, and then the connected system. Powering-on in the incorrect order may cause ma turning the power off, power-off the connected system first, and then the TR-09. Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down,

you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

The TR-09 has 96 "patterns" and eight "tracks" in which these patterns can be arranged.



Switching the mode

Playing/Editing a Track

Track Playback

Selecting a track



1 [SHIFT] + 3 PATTERN PLAY [1]-[3] buttons Track Play TRACK PLAY [1]-[4] buttons 1 [SHIFT] + 2 TRACK PLAY [1]-[4] buttons Track write (edit)

Switching the bank [SHIFT] + 4 BANK [I], [II] button

1. Hold down the [SHIFT] button and press the BANK [I] or [II] button to select the bank.

1. Hold down the [SHIFT] button and press the following buttons in the order given.

dial to change the tempo.

Moves one measure back.

Before you continue, use the [SHIFT] + BANK [I] or [II] buttons to select a bank.

1. Hold down the [SHIFT] button and press the TRACK PLAY [1]–[4] buttons to select a track.

1. Hold down the [SHIFT] button and press the TRACK PLAY [1]–[4] buttons to select a track.

3. Use one of the following methods to move to the measure that you want to correct.

You can also make corrections while playback is stopped. In this case, the operation of step 2 is not

Recall the measure number using step 1 of "Starting from mid-way (recalling a measure number)."

 $\textbf{1.} \ \text{Hold down the [SHIFT] button and press the following buttons in the order given.}$

[1] → [ENTER] → [DEL] (13) → [LAST MEAS] (CYCLE/GUIDE) → [ENTER]

You can only select patterns that are in the same bank as the track.

The pattern is entered, and you advance to the second measure.

4. Repeat steps 2–3 for the second and following measures.

5. To exit the track write, press the [STOP / CONT] button.

If you made an entry by mistake, correct it as follows.

• Use the [ENTER] button to advance the measure.

Use the [FWD] / [BACK] buttons to move to a measure.

4. Use the main keys [1]–[16] to re-select the rhythm pattern.

[SHIFT] + [CYCLE/GUIDE] Displays the last measure number.

That TRACK PLAY [1]-[4] button blinks.

The display shows the measure number

1. Press the [START] button

enter at the first measu

3. Press the [ENTER] button.

Making Corrections

2. Press the [START] button.

5. Press the [ENTER] button. Press the [STOP/CONT] button.

Moves one measure forward.

[AVAILABLE MEAS] button (Only in track write mode) Displays the number of measures that can be entered.

Selecting TRACK WRITE mode

Deleting a track

Executing track write

2. Use the PATTERN PLAY [1]–[3] buttons and the main keys [1]–[16] to select the pattern that you want to

(Only in track play mode) Loop-plays the track.

Use the main keys to specify the measure number (0–9) → [ENTER]

The display shows the measure number "1." If there is no data in the track, the display shows "0."

Playing a track

• When you press the [STOP/CONT] button once again, playback resumes from the location at which you

• During playback, you can hold down the [SHIFT] button and press the [START] button to pause playback;

playback restarts when you release the button. This is a convenient way to match the timing when you're

Starting from mid-way (recalling a measure number)

Indicates the tempo. While holding down the button, you can turn the [TEMPO]

To make an adjustment below the decimal point, hold down the [SHIFT] button and turn the [TEMPO] dial.

ou can arrange patterns to create a track for an entire song.

2. Use the TRACK PLAY [1]–[4] buttons to select a track.

1. Press the [START] button to play a track.

2. To stop, press the [STOP/CONT] button.

synchronizing manually.

[2] → [0] → [ENTER]

Track mode functions

[TEMPO] button

[BACK] button

[FWD] button

Example: to specify measure 20

2. Press the [STOP/CONT] button to continue playback

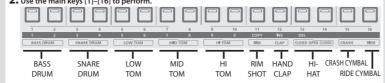
TEMPO BACK FWD AVAILABLE CYCLE

Playing Sounds

Using the Main Keys [1]-[16] to Play Manually

In track play mode, you can use the main keys [1]-[16] to perform in real time

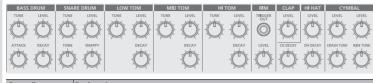
1. Press one of the TRACK PLAY [1]-[4] buttons. 2. Use the main keys [1]-[16] to perfore



For BASS DRUM, SNARE DRUM, TOM, and HI-HAT, the left key is "accented" and the right key is "unaccented" (example: in the case of BASS DRUM, [1] is accented).

• For HI-HAT, simultaneously pressing [13] and [14] plays the open hi-had

Using the Knobs to Adjust the Sound



[LEVEL] knob Volume Tuning (pitch) [TUNE] knob [ATTACK] knob Attack strength (BASS DRUM only)
 [DECAY] knob
 Decay length

 [TONE] knob
 Decay length (SNARE DRUM only)

BASS

Editing the sound
Here's how to edit parameters that don't have a knob. 1. Hold down the [SHIFT] button and press the [EDIT] button

[SNAPPY] knob Volume of snare rattle (SNARE DRUM only

2. Use the [TEMPO] dial to select the parameter. Parameter Explanation

□R IΠ GAIN Gain EUПE TUNE Tuning (pitch) dE[リ DECAY Decay length The editable main keys [1]-[16] are lit. 3. Press the [ENTER] button, to confirm the para

SNARE

Convenient Functions

• Example: deleting to measure 25

[DEL] (13) → [ENTER]

Insert

units of measures.

[DEL] (13) \rightarrow [2] \rightarrow [5] \rightarrow [ENTER]

• Example: deleting to the last measure

You can insert patterns into the track.

1. Move to the measure that you want to insert.

een measure 4 and measure 5.

select the pattern that you want to insert.

You can copy and paste the contents of a track in

Example: If you select measure 5, the data is

Hold down the [SHIFT] button and press the

keys to specify the ending measure number → [ENTER]

1. Hold down the [TEMPO] button and press the [ENTER] button.

The displayed tempo is specified for the selected track.

* If the display indicates "000," you specified a measure that can't be copied

pasted between measure 4 and measure 5.

1. Move to the paste-destination measure.

2. Select the copy-source pattern.

Tempo Memory

You can specify a tempo for each track

Perform this operation in track play mode

• Example: deleting only the first measure

rns from the track in units of r

Recall the measure number using step 1 of "Starting from mid-way (recalling a measure number)

2. Hold down the [SHIFT] button and press the following buttons in the order given

[DEL] (13) → use the main keys to specify the last measure to delete (0–9)

You can also select multiple patterns by simultaneously pressing two of the main keys.

Following buttons in the order given.

[COPY] (11) → use the main keys to specify the starting measure number → [ENTER] → use the main

Specifying the tempo

Recalling the tempo

Normally, the track plays at the current tempo, but you can recall the specified tempo as follows:

1. Hold down the [TEMPO] button and press one of the TRACK PLAY [1]–[4] buttons to select the track.

3. Hold down the [SHIFT] button and press the following buttons in the order given.

1. Use one of the following methods to move to the

measure at which you want to start deleting.

• Use the [ENTER] button to advance the measure.

Use the [FWD] / [BACK] buttons to move to a measure.

[DEL] (13) → [LAST MEAS] (CYCLE/GUIDE) → [ENTER]

Example: If you select measure 5, the pattern is inserted

2. Use the procedure described in "Selecting a pattern" to

Delete

4. Press a main key [1]-[16] to select the sound that you want to edit RIM TC-HH TCRASH T

LOW DRUM TOM TOM TOM 5. Use the [TEMPO] dial to set the value

6. Press the [EDIT] or [ENTER] button, to exit the edit.

Editing the Compressor Level You can apply a compressor to the BASS DRUM and SNARE DRUM.

1. Press the [COMP] button. The editable main keys [1]-[4] are lit. 2. Press a main key to select BASS DRUM (1–2) or SNARE DRUM (3–4).

3. Use the [TEMPO] dial to set the compressor level.

To turn the compressor off, turn the knob all the way to the left. 4. Press the [COMP] or [ENTER] button, to exit the edit.

Playing/Recording a Pattern

Pattern Playback

Selecting PATTERN PLAY mode

1. Press one of the PATTERN PLAY [1]-[3] buttons

Playing a pattern

1. Press the [START] button to play a pattern 2. To stop, press the [STOP/CONT] button

When you press the [STOP/CONT] button once again, playback resumes from the location at which you

• During playback, you can hold down the [SHIFT] button and press the [START] button to pause playback; playback restarts when you release the button. This is a convenient way to match the timing when you're synchronizing manually.

Selecting a pattern 1. Hold down the [SHIFT] button and press the BANK [I] or [II] button to select the bank.

2. Use the PATTERN PLAY [1]-[3] buttons to select a pattern group. 3. Use the main keys [1]-[16] to select a nattern

• By pressing two main keys simultaneously you can select a range. The selected patterns play back

• You can also switch patterns during playback. When a pattern finishes playing, the next pattern plays Setting the tempo

Turn the [TEMPO] dial to change the tempo (40.00-300.00). To make a change below the decimal point, hold down the [SHIFT] button and turn

the [TEMPO] dial

On the TR-09, the action of recording/editing a one-measure pattern is called "pattern write." Pattern write can be done in either of the following two ways. Step Write (Step Recording)

Create a pattern by specifying the steps at which each sound is heard. Tap Write (Realtime Recording)

Create a pattern by using the main keys [1]–[16] to perform in real time while you record that performance.

Step Write (Step Recording)

Before you continue, use the [SHIFT] + BANK [I] or [II] buttons to select a bank.

Selecting PATTERN WRITE mode $\textbf{1.} \ \text{Hold down the [SHIFT] button and press one of the PATTERN PLAY [1]-[3] buttons.}$

That PATTERN PLAY [1]-[3] button blinks.

Selecting STEP WRITE (Step Recording) mode

1. Hold down the [SHIFT] button and press the [STEP] (TEMPO) button

Clearing a pattern 1. Hold down the [CLEAR] button and press one of the main keys [1]–[16] to select the pattern that you

Executing step write 1. Press the [START] button.

2. Hold down the [INSTRUMENT SELECT] button and press one of the main keys [1]-[16] to select the

HI- CRASH CYMBAL

 For HI-HAT, simultaneously pressing [13] and [14] selects the open hi-hat. 3. Use the main keys [1]–[16] to specify the steps at which you want the sound to be heard. • BASS DRUM, SNARE DRUM, TOM, CLOSED HI-HAT: Each time you press the button, the setting cycles bet strong (accented). • Other Sounds:

SHOT CLAP

Each time you press the button, the setting cycles between off $\,
ightharpoons$ strong (accented) The order of this cycle can be changed using the system setting "Programming Mode."

Entering backbeats (32 steps) By holding down the [ENTER] button and pressing a main key [1]-[16], you can enter a note that is skewed 1/2 step later. This lets you enter up to 32 steps in one pattern 4. Repeat steps 2–3.

5. Press the [STOP/CONT] button to stop

Setting the scale

* Perform this operation in step write or tap write mode (the started condition). 1. Press the [SCALE] button to set the scale.

LED Explanation 16th note triplet () Six steps will be one beat. 8th note triplet (a) Three steps will be one beat.

32nd note (b) Eight steps will be one beat. 16th note () Four steps will be one beat

You can prevent the scale from being accidentally changed by pressing a button. Change this setting in the system setting "SCALE button lock."

Setting the last step in step write mode (the started condition

1. Hold down the [LAST STEP] button and press a main key [1]-[16] to specify the last step. You can also change the Last Step by holding down the [LAST STEP] button and turning the [TEMPO] dial.

Entering the total accent

Perform this operation in step write mode (the started conditi 1. Hold down the [INSTRUMENT SELECT] button and press the [TOTAL ACCENT] (ENTER) button.

2. Press the main keys [1]-[16] of the steps to which you want to add an accent.

3. Use the [TOTAL ACCENT] knob to adjust the strength of the accent. Shuffle settings

1. Hold down the [SHUFFLE/FLAM] button and press one of the main keys [1]-[7] to specify the shuffle

Higher numbers produce greater shuffle. You can use the [TEMPO] dial to adjust the setting in detail SHUFFLE OFF: [SHUFFLE/FLAM]+[8]

Entering a flam

← Press two buttons simultaneously. BASS MID TOM TOM (**Example:** for BASS DRUM, press [1] + [2])

Selecting PATTERN WRITE mode

1. Hold down the [SHIFT] button and press one of the PATTERN PLAY [1]–[3] buttons.

1. Hold down the [SHIFT] button and press the [TAP] (BACK) button.

 $\textbf{1.} \ \text{Hold down the [CLEAR] button and press one of the main keys [1]-[16] to select the pattern that you}$

Executing tap write 1. Press the [START] button 2. Press the [CYCLE/GUIDE] button.

You'll hear the click 3. Use the main keys [1]-[16] to perform

Convenient Functions

Copying a Pattern

Here's how to copy a pattern. You can also copy to another bank or group.

Select the paste-destination pattern.
 Hold down the [SHIFT] button and press the following buttons in the order given.

BANK (I, II) → PATTERN GROUP (1-3) → MAIN KEY (1-16) 2. Select the copy-source pattern.
Hold down the [SHIFT] button and press the following buttons in the order given.

[COPY] (11) → BANK (I, II) → PATTERN GROUP (1-3) → MAIN KEY (1-16) → [ENTER]

You can connect two or more patterns and use them as a single pattern

 ${f 1.}$ Hold down the first and last buttons of the pattern that you want to connect as a chain, and press the

Example: to chain patterns 7-10

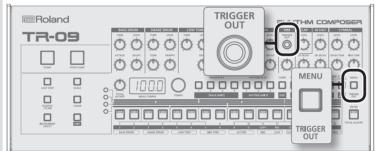
Chain (Connecting Patterns)

Removing a chain 1. Hold down the pattern that you want to unchain, and press the [ENTER] button.

Example: to remove pattern 7 from patterns 7–10

BASS

The TRIGGER OUT jack outputs a trigger pulse. You can use a mini-plug (mono) cable to connect this jack to an external device and control that device from the TR-09. * Do not use a "stereo mini-plug" cable; it won't work correctly



Using step write to specify trigger out

Perform this operation in step write mode (the started condition 1. Hold down the [INSTRUMENT SELECT] button and press the [TRIGGER OUT] (MENU) button.

2. Use the main keys [1]–[16] to specify the steps at which a trigger is output.

Using tap write to specify trigger out

• To clear this, hold down the [CLEAR] + [INSTRUMENT SELECT] + [TRIGGER OUT] buttons

Perform this operation in tap write mode (the started condition)

1. Hold down the [INSTRUMENT SELECT] button and press the [TRIGGER OUT] (MENU) button at the moment that you want a trigger to be output.

Restoring the Factory Settings (Factory Reset)

Here's how to return the TR-09 to its factory-set state 1. While holding down the [2] button, turn on the power The [ENTER] button blinks.

If you decide to cancel the factory reset, turn off the power. 2. Press the [ENTER] button to execute the factory reset.

3. When all buttons blink, turn the TR-09's power off, then on again. Data Backup/Restore

Backup 1. Connect your computer to the TR-09's USB port via USB cable. 2. While holding down the [START] button, turn on the power. 3. Open the "TR-09" drive on your computer.

The backup files are located in the "BACKUP" folder of the "TR-09" drive. 4. Copy the backup files into your computer. 5. After copying is completed, eject the USB drive and then disconnect the USB cable.

Right-click on the "TR-09" icon in "Computer" and execute "Eject." Mac OS

Drag the "TR-09" icon to the Trash icon in the Dock. **6.** Turn the TR-09 power off.

Restore 1. As described in the procedure for "Backup" Step 1–3, open the "TR-09" drive on your computer. 2. Copy the TR-09 backup files into the "BACKUP" folder of the "TR-09" drive

3. After copying is completed, eject the USB drive and then press the [ENTER] button. 4. After the LEDs have completely stopped blinking, turn off the power.

ИЅЬ U562

И5Ь3

U564

1. Press the [MENU] button to make it light

2. Use the [TEMPO] dial to select the parameter, and then press the [ENTER] button. 3. Use the [TEMPO] dial to set the value.

ΕН MIDI Channel *I*− *I*Б, □FF Specifies the MIDI transmit/receive channel. If MIDI clock is input from the MIDI IN connector or the USB port, the tempo automatically synchronizes to MIDI clock (default). If MIDI clock s input simultaneously from the MIDI IN connector and the USB port, the USB port takes priority. MIDI Clock The tempo operates according to the TR-09's own setting. Use this 5YnE setting if you don't want to synchronize with an external device. The tempo synchronizes to MIDI clock being input from the MIDI IN connector. The tempo synchronizes to MIDI clock being input from the USB port. И5Ь

The power does not turn off automatically. R.DFFAuto Off The power turns off automatically after 30 minutes (default). * Auto Off does not occur while USB-connected. / (min) Specifies the time until the LED DEMO is shown (default: 3). *дЕПО* LED Demo /□ (min)

P-F Strong (default) Each time you press, the setting cycles in the order of Off → Strong Connecting via USB

the download. ⇒ http://www.roland.com/support/

In addition to the USB audio port MIX, the TR-09 provides four USB audio ports for parallel output.

Sounds for which you press the main keys ([1]–[16]) to make them blink when

SNARE LOW MID HI RIM C-HH CRASH DRUM TOM TOM TOM TOM CLAP O-HH RIDI DRUM DRUM TOM TOM TOM Sounds that are assigned to parallel output are not output from the USB

The output of the OUTPUT jack (stereo mini) is split between left and right channels, and the specified sounds are output via parallel output. are output in parallel from the left channel.

DUL Parallel Out RIM C-HH CRASH

BASS SNARE LOW DRUM DRUM TOM MID TOM HI TOM If you want to output in stereo, make all buttons light (default) The scale switches each time you press the [SCALE] button (default).

5CRL

Main Specifications Roland TR-09: Rhythm Composer Rechargeable Ni-MH battery (AA, HR6) x 4, Alkaline battery (AA, LR6) x 4, USB bus power **Current Draw** 500 mA (USB bus power) 308 (W) x 130 (D) x 51 (H) mm 12-1/8 (W) x 5-1/8 (D) x 2-1/16 (H) inches 980 g (including batteries, excluding

* This document explains the specifications of the product at the time that the document was issued. For the

Boutique Dock: DK-01, Owner's Manual, DK-01 Owner's Manual, Leaflet "USING THE UNIT SAFELY," Alkaline battery (AA, LR6) x 4 latest information, refer to the Roland website

Here's how to enter a flam for the BASS DRUM, SNARE DRUM, or TOM. Perform this operation in step write mode (the started condition). 1. Hold down the [INSTRIMENT SELECT] button and simultaneously press the two buttons sh

2. Press a main key [1]-[16] to specify the step at which you want to enter a flam 3. By holding down the [SHUFFLE/FLAM] button and press one of the main keys [9]–[16] you can specify the spacing of the flam. Higher numbers produce a more widely spaced flam. You can use the [TEMPO] dial to adjust the setting in

Tap Write (Realtime Recording)

* Before you continue, use the [SHIFT] + BANK [I] or [II] buttons to select a bank.

That PATTERN PLAY [1]-[3] button blinks. Selecting TAP WRITE (Realtime Recording) mode

Clearing a pattern

→ Refer to "Using the Main Keys [1]–[16] to Play Manually." During recording, you can clear a sound by holding down the [CLEAR] button and then holding down a
main key of the sound that you want to clear (in the case of SNARE DRUM, either [3] or [4]).

• Your performance is entered at the timing that you specified by the scale setting (quantized). 4. Press the [STOP/CONT] button to stop.

Perform this operation in step write or tap write mode (the unstarted condition). Setting a chain

[7] + [10] + [ENTER]

To exit the system settings, press the [MENU] button to make it go dark.

Specifies whether data received from the MIDI IN connector will be OFF,On Soft Thru retransmitted from the MIDI OUT connector (On: default) or will not be Ehru

Specifies the operation of main keys [1]–[16] during step write. Each time you press, the setting cycles in the order of Off \rightarrow Weak \rightarrow PrG.N

> Use a commercially available USB 2.0 cable (A-microB) to connect this port to your It can be used to transfer USB MIDI and USB audio data. You must install the USB driver when connecting the TR-09 to your computer. Download the USB drive from the Roland website. For details, refer to Readme.htm which is included in

Do not use a micro USB cable that is designed only for charging a device. Charge-only cables cannot transmit data **USB Paralle**

Sounds for which you press the main keys ([1]–[16]) to make them blink while making this setting are output from the right channel, and sounds whose key is lit

Hold down the [SCALE] button and use the [TEMPO] dial to select the

2 lbs 3 oz Boutique Dock)