

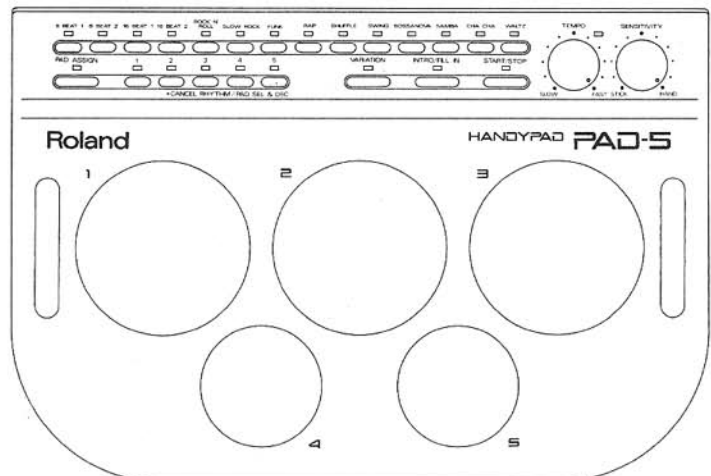
# Roland

*Cut-down User Manual by Chris Harvey - [www.flitemedia.com](http://www.flitemedia.com)  
(Contains all the useful info, missing out all the obvious stuff!)*

## HANDYPAD

# PAD-5

## OWNER'S MANUAL



## ■ INTRODUCTION

### ■ PAD-5 OWNER'S MANUAL

Thank you, and congratulations on your purchase of the PAD-5 "Handy Pad". In order that you may get a good understanding of all the superior functions available, and thus be assured continuing satisfaction, please read this manual in its entirety.

**Please read the separate "MIDI" before reading this owner's manual.**

### ■ About the PAD-5

The PAD-5 is a compact, convenient pad unit capable of playing external sound modules through the use of MIDI.

Once connected to a MIDI compatible sound source, one equipped with a rhythm section (rhythm machine, multi-timbral sound source, etc.), you can enjoy automatic performances of the PAD-5's internal patterns, as well as play its five pads as percussive instruments.

**Note: The PAD-5 does not have an internal sound source.**

### ■ Features

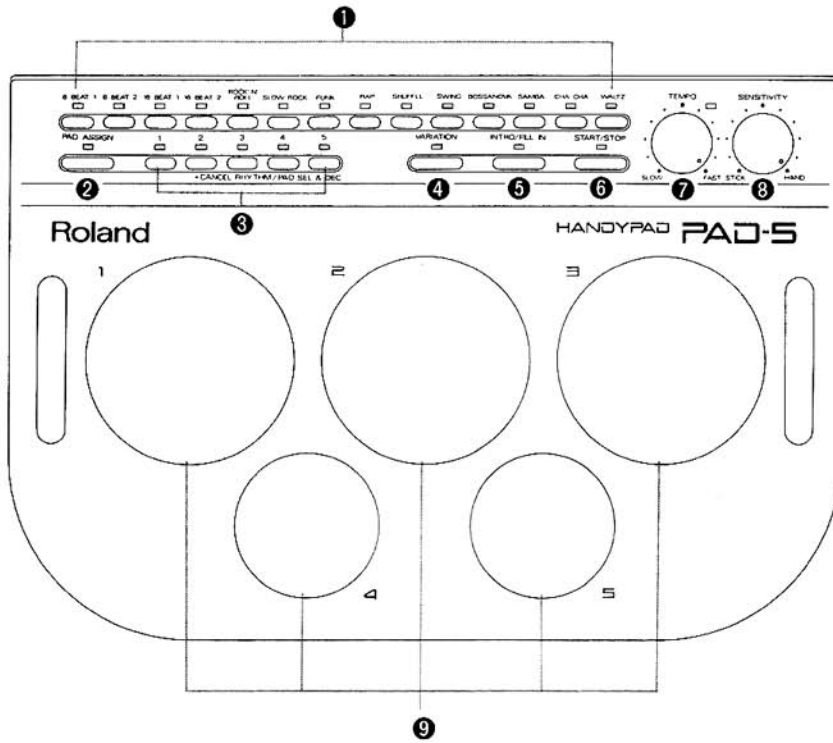
- Provided internally with 14 different types of performance data (rhythm patterns). Each rhythm is capable of having four types of patterns used with it: Basic, Variation, Intro, and Fill-in.
- With five pads, large and small, you can play realistically using either hands or drumsticks. Since each pad is equipped with touch sensitivity, you can also obtain natural changes in volume depending on the strength of your hits.
- A "Cancel Rhythm" function allows you to leave out any particular sound when a pre-set rhythm pattern is performed. You can thus use the pads to play along with a rhythm pattern without hearing unneeded sounds.
- Equipped with an Auto-Power-Off function so there's no need to worry about forgetting to turn off the switch.

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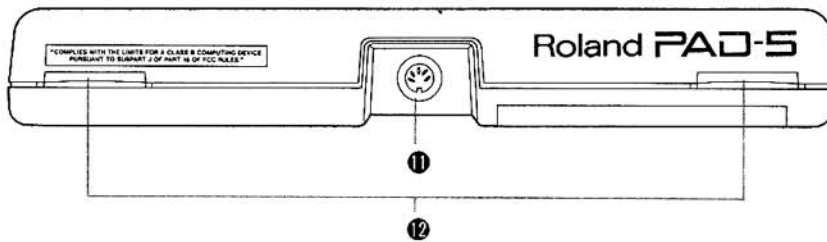
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# ■ PANEL DESCRIPTIONS

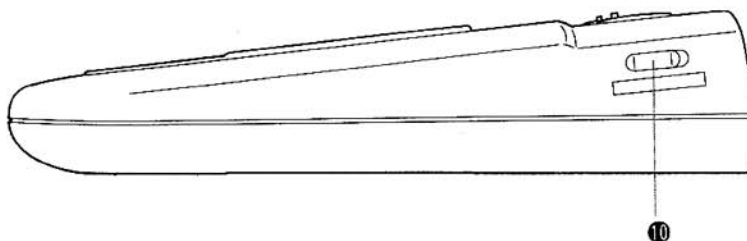
Front



Rear



Side



## ■ PANEL DESCRIPTIONS

- |                                |   |
|--------------------------------|---|
| ❶ <b>Rhythm Select Buttons</b> | Provides selection of the rhythms indicated above the buttons.  |
| ❷ <b>Assign Button</b>         | Used to assign and play any sound you have selected.  |
| ❸ <b>Cancel Buttons 1 - 5</b>  | Allow specific sounds to left out during play of a preset rhythm pattern.   |
| ❹ <b>Variation Button</b>      | Allow a variation to be included in playing a rhythm pattern.   |
| ❺ <b>Intro/Fill-in Button</b>  | Used to produce an introductory pattern at the start of a rhythm pattern, and to insert a fill-in while the pattern is playing. |
| ❻ <b>Start/Stop Button</b>     | Starts and stops playing a rhythm.  |
| ❼ <b>Tempo Knob</b>            | Adjusts the tempo that a rhythm is played at.   |
| ❽ <b>Sensitivity Knob</b>      | Adjusts the sensitivity of the pads.  |
| ❾ <b>Pads 1 - 5</b>            | Played with hands or drumsticks. Produce differing levels of volume depending on strength with which they are hit.              |
| ❿ <b>Power Switch</b>          | Turns power on or off.  |
| ⓫ <b>MIDI Out Connector</b>    | Provides for the connection, using a MIDI cable, of the MIDI sound module that is to be played by the PAD-5.                    |
| ⓬ <b>MIDI Cable Fastener</b>   | Holds the MIDI cable in place.  |

## ■ IMPORTANT NOTES

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### [Concerning the power supply]

- Whenever you make any connections with other devices, always turn off the power to all the equipment first. This will help in preventing malfunctions, and damage to speakers.

### [Concerning placement]

- Avoid using or storing the unit in the following places, as damage could result.
  - Places subject to extremes in temperature. (Such as under direct sunlight, near heating units, above equipment generating heat, etc.)
  - Places near water and moisture. (Baths, washrooms, wet floors, etc.) Places otherwise subject to high humidity.
  - Dusty environments.
  - Places where high levels of vibration are produced.
- Should the unit be operated near television or radio receivers, TV pictures may show signs of interference, and static might be heard on radios. In such cases, move the unit out of proximity of such devices.

### [Maintenance]

- For everyday cleaning, wipe the unit with a soft dry cloth, or one that is dampened slightly. To remove dirt that is more stubborn, wipe using a mild, neutral detergent. Afterwards, make sure to wipe thoroughly with a soft cloth.
- To avoid the risk of discoloration and deformation when cleaning, never use benzene, thinners, alcohol or any similar agent.

### [Other Precautions]

- Protect the unit from strong impact.
- Avoid letting any foreign objects (coins, wire, etc.), or liquids (water, drinks, etc.) into the unit.
- At any time that you notice a malfunction, or otherwise suspect there is damage, immediately refrain from using the unit. Contact the store where bought, or the nearest Roland Service Station.

### [Changing Batteries]

- Do not mix batteries when using them. Avoid using new ones together with used ones, or a variety of different manufacturers' batteries.
- To prevent damage caused by leaking batteries, remove all batteries whenever the unit is not going to be used for an extended period of time.

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## ■ Getting Ready

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### ● About MIDI

The PAD-5 is able to play external sound modules since it uses MIDI, the international standard for electronic musical instruments. The following brief explanation covers those portions of MIDI that you will need to understand in using the PAD-5 to play another unit — namely, MIDI Channels and Note Numbers.

\* For a more detailed explanation of MIDI, refer to the separate “MIDI GUIDEBOOK”.

#### [MIDI Channels]

MIDI channels make it possible for multiple devices to be connected together, and yet have it understood which device is to send messages where, and which device is to receive the messages. Simply connecting a MIDI cable between two instruments does not mean communication will take place — the transmitting end and receiving end must both be set to the same channel. There are 16 channels, from 1 to 16, that are available for use with MIDI.

**The MIDI channel for the PAD-5 is fixed at 10 (transmit channel). For that reason all MIDI sound modules that you wish to connect to the PAD-5 need to have their MIDI channels set to 10 (receive channel).**

#### [Note Number]

The Note Number is a number which conveys the fact that a certain key has been depressed when a MIDI keyboard is played. Given that middle C (C4) on the keyboard is 60, all the other keys will have corresponding numbers between 0 and 127. However, with rhythm machines and sound modules containing a rhythm section; ordinarily each rhythm sound (snare, kick, etc.) is assigned a certain note number.

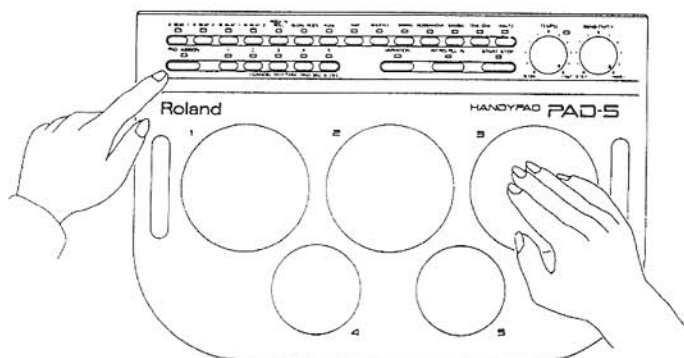
The PAD-5 is capable, by using these note numbers, of accessing and playing any desired sound from among the great number available on-board a MIDI sound module. The performance data making up the PAD-5's preset patterns was composed to have the correspondence between rhythm sounds and note numbers shown in the chart on page 24.

## 2 Changing the sounds of the pads

You can change the sounds produced by each of the 5 pads at will.

[How settings are made]

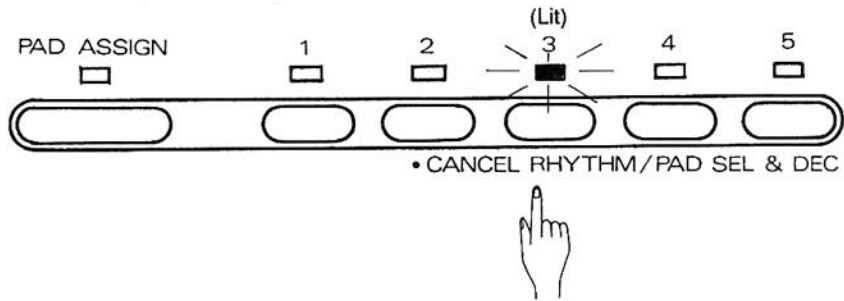
- ① While holding down the Assign button, hit one of the pads (any of 1 to 5).



The indicator for the Assign button will start flashing, and the unit will then be ready for accepting setting of the sound assigned to the pad.

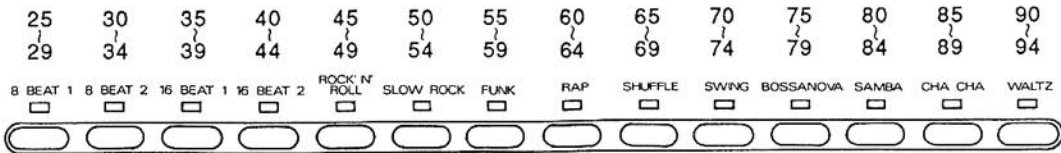
- ② Hit the pad that you want to change the sound for.
- ★ Now each time the pad is hit again, the note number set for that pad will increase by one, changing to a different sound. Keep hitting the pad until you find the sound desired. The last sound that you produce in this manner will become the one that gets stored in memory for that particular pad.

★ You can go back one sound by pressing the Cancel button (the one with its indicator lit) that corresponds to the number of the pad you are working with.



You can confirm what the current note number is by looking at the Rhythm Select indicators. Five note numbers are assigned to each indicator as shown below. The indicators that correspond to the pad's note numbers will be lit.

(Note Numbers assigned to Rhythm select buttons)



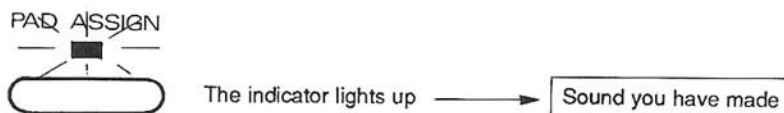
\* Note number settings can be made within the range of 25 to 94.



- ★ When the Rhythm Select button is pressed, first, the lowest of the five above mentioned note numbers is set. Each subsequent press of the same button provides a revolving selection through all five available note numbers. When you know the note number for the sound you want, it can be set by using the indicators.

- ③ Press the Assign button to finalize the setting. (The unit returns to the normal condition.)

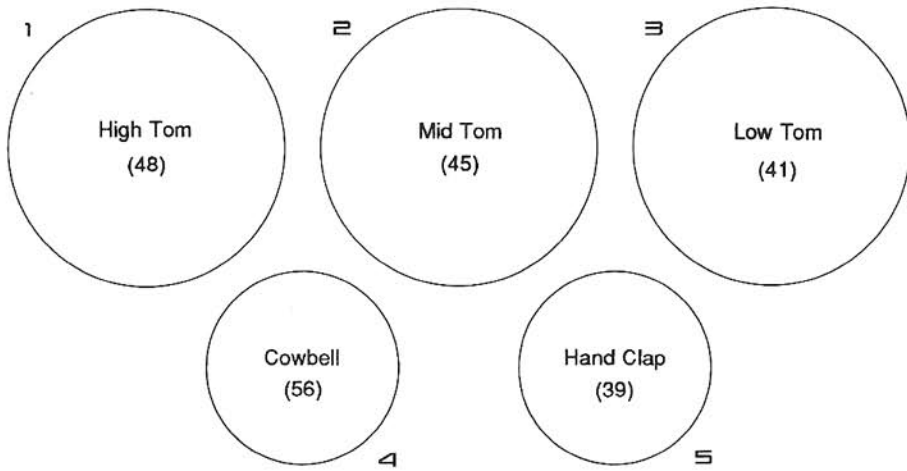
After setting has been made, the sound of the pads will change as shown below each time the Assign button is pressed.



\* All sound assignments made for the pads will remain in memory until the power switch is turned off.

2 Changing the sounds of the pads

When the power is turned on, the sounds are assigned as follows:



( ) = Note Number

#### 4 Releasing the Auto-Power-Off Function

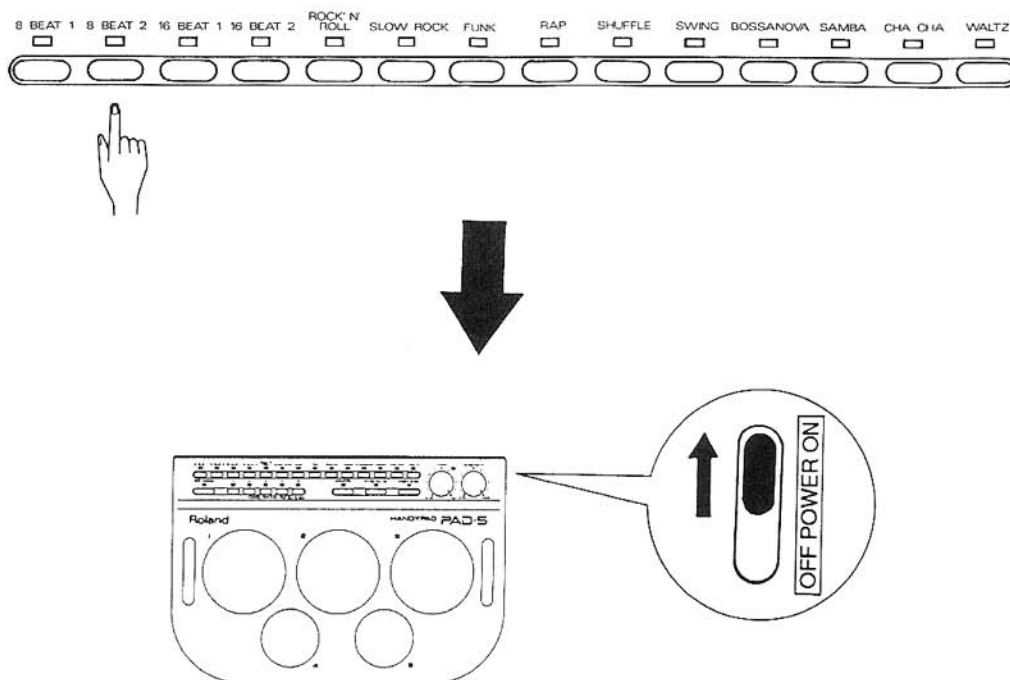
## 4 Releasing the Auto-Power-Off Function

If desired, the Auto-Power-Off function can be made inactive.

### [Making the setting]

While the **8 BEAT 2** Rhythm Select button is held down, turn the power switch On.

\* When you wish to have the Auto-Power-Off function activated again, turn the power off, then turn it back on.



## ■ Troubleshooting

### ● No sound produced

Possible cause: MIDI channels don't match.

Remedy: Make sure MIDI channel of connected sound source is set to 10.

Possible cause: Note Numbers aren't set as they should be.

Remedy: While referring to the chart on p. 24, reset the Note Numbers on your sound module.

### ● The sound produced by the pads is too low

Possible cause: Pad sensitivity is set too low.

Remedy: Turn the Sensitivity knob to increase sensitivity.

### ● Sound is too low when rhythm pattern is played

Possible cause: Volume for the rhythm pattern is set too low.

Remedy: Adjust the volume for the rhythm by holding down the Rhythm Select button and turning the Sensitivity knob.

### ● Power went off by itself

Possible cause: The Auto-Power-Off function was activated.

Remedy: You may want to cancel the Auto-Power-Off function. To do so, hold down the **8 BEAT 2** Rhythm select button while you turn power off, then back on again.

Possible cause: The batteries are exhausted.

Remedy: Replace all 6 batteries with fresh ones.

## ■ Correspondence Between Note Numbers and Rhythm Sounds

Rhythm Voices	Note Number
Kick	35
Snare	38
Closed Hi-hat	42
Open Hi-hat	46
Low Tom	41
Mid Tom	45
High Tom	48
Crash Cymbal	49
Ride Cymbal	51
Hand Clap	39
Side Stick	37
Tambourine	54
Cowbell	56
Mute High Conga	62
Open High Conga	63
Low Conga	64
High Timbale	65
Low Timbale	66
High Agogo	67
Low Agogo	68
Shaker /Cabasa	69
Claves	75

## ■ SPECIFICATIONS

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### PAD-5: HANDYPAD

- **Preset Rhythms:** 14 types  
(Intro, Basic, Variation, and Fill-in rhythm patterns are stored internally for each rhythm.)  
  
8 BEAT 1, 8 BEAT 2, 16 BEAT 1, 16 BEAT 2, ROCK 'N ROLL, SLOW ROCK, FUNK, RAP, SHUFFLE, SWING, WALTZ, CHA CHA, BOSA NOVA, SAMBA
- **Tempo:** One beat 40-240
- **Controls and Indicators:** Rhythm Select Buttons & Indicators: 14  
Cancel Buttons & Indicators: 5  
Assign Button & Indicator  
Start/Stop Button & Indicator  
Intro/Fill-in Button & Indicator  
Variation Button & Indicator  
Tempo Knob & Indicator  
Sensitivity Knob  
Power Switch
- **Pads:** Large: 3; Small: 2 (equipped with touch sensitivity)  
○ Pad Assignment
  - Preset assignments (for each rhythm)
  - One User assignment (Note Numbers: 25 -94; not stored in memory)
- **Connectors:** MIDI OUT connector
- **Dimensions:** 320 (W) x 220 (D) x 47 (H) mm  
12 9/16 (W) x 8 5/8 (D) x 1 13/16 (H) inches
- **Weight:** 1.45 kg  
3 lb. 2 3/4 oz.
- **Power Source:** Six SUM-3 dry cell batteries: 9V.  
Equipped with Auto-Power-Off function (approx. 10 minutes)
- **Current draw:** Max. 80mA (As many indicators as possible are lit.)  
Min. 40mA (The unit is switched on.)
- **Supplied Accessories:** MIDI Cable (2.5m)  
SUM-3 dry cell batteries (6)  
Owner's Manual  
Preset Rhythm Score  
MIDI GUIDEBOOK

\* Specifications and/or external appearance subject to modification without prior notice in the interest of further product improvement.