

## PEDAL KEYBOARD

# PK-7

## Owner's Manual

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" (p. 2, 3) and "IMPORTANT NOTES" (p. 4). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, this Owner's Manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

Thank you, and congratulations on your choice of the Roland PK-7 Pedal Keyboard. The PK-7 is a pedal keyboard unit which was designed especially for the VK-88/VK-8. It provides a pedal keyboard, an expression pedal for dynamic volume changes, foot switches that let you control various functions of the VK-88/VK-8 by foot, and a hold pedal to sustain the sound.

### Features

- **Twenty-note pedal keyboard and removable expression pedal**

The PK-7 features a twenty-note pedal keyboard for maximum enjoyment of organ playing. The built-in expression pedal can be removed from the pedal keyboard unit to make the unit more compact for transportation.

- **Foot switches for controlling the VK-88/VK-8**

Two foot switches are built into the expression pedal. During a performance, you can switch the settings of the VK-88/VK-8 without removing your foot from the expression pedal or your hands from the keyboard.

- **Hold pedal**

A hold pedal is located where it can be easily operated by your right foot, for additional expressive possibilities when playing sustain-type sounds.

- **Single-cable connection to the VK-88**

When connecting the PK-7 to the VK-88, the PK cable that is supplied with the VK-88 is the only connection required—no need for MIDI cables, analog cables, or an AC power adaptor. This makes setup quick and easy.

### Conventions used in this manual

Pages in this manual where you can find additional information are indicated like this: (p. \*\*).

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# USING THE UNIT SAFELY

## INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

### About ⚠ WARNING and ⚠ CAUTION Notices

<b>⚠ WARNING</b>	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
<b>⚠ CAUTION</b>	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

### About the Symbols

	The ⚠ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⚡ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

### ALWAYS OBSERVE THE FOLLOWING

#### ⚠ WARNING

- Before using this unit, make sure to read the instructions below, and the Owner's Manual. 
- Do not open (or modify in any way) the unit or its AC adaptor. 
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. 
- Never use or store the unit in places that are:
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are 
  - Damp (e.g., baths, washrooms, on wet floors); or are 
  - Humid; or are
  - Exposed to rain; or are
  - Dusty; or are
  - Subject to high levels of vibration.
- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces. 

#### ⚠ WARNING

- Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock. 
- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards! 
- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.   

- Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:
  - The AC adaptor, the power-supply cord, or the plug has been damaged; or
  - If smoke or unusual odor occurs
  - Objects have fallen into, or liquid has been spilled onto the unit; or
  - The unit has been exposed to rain (or otherwise has become wet); or
  - The unit does not appear to operate normally or exhibits a marked change in performance.

**⚠ WARNING**

- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit. 
- Protect the unit from strong impact. (Do not drop it!) 
- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/ amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through. 
- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. 

**⚠ CAUTION**

- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation. 
- Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit. 
- At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire. 
- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children. 
- Never climb on top of, nor place heavy objects on the unit. 
- Never handle the AC adaptor body, or its output plugs, with wet hands when plugging into, or unplugging from, an outlet or this unit. 
- Before moving the unit, disconnect the AC adaptor and all cords coming from external devices. 
- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet. 
- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet. 
- Be careful when handling the expression pedal unit or attaching/detaching the expression pedal unit to/from the PK-7 so you do not get your fingers pinched. 

# Important Notes

In addition to the items listed under “USING THE UNIT SAFELY” on page 2 and 3, please read and observe the following:

## Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

## Placement

- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not allow objects to remain on top of the keyboard. This can be the cause of malfunction, such as keys ceasing to produce sound.

## Maintenance

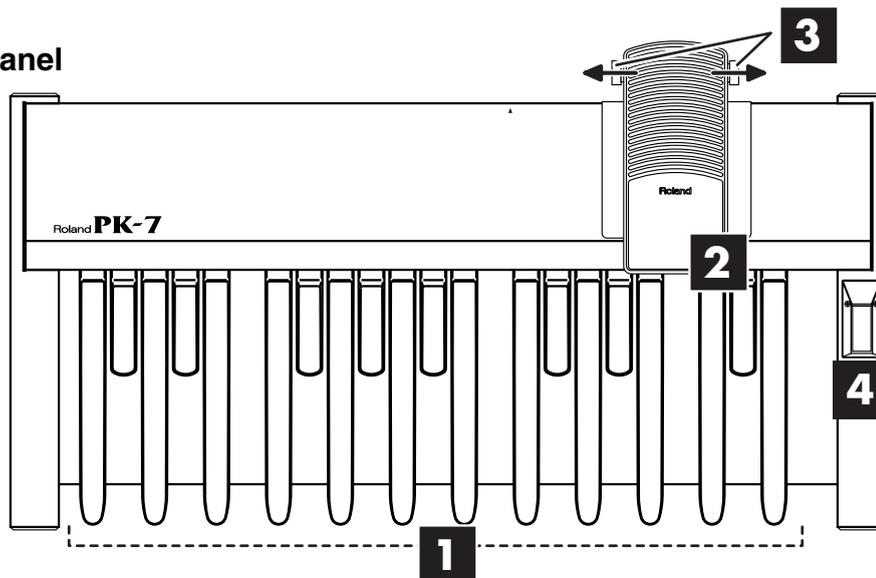
- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

## Additional Precautions

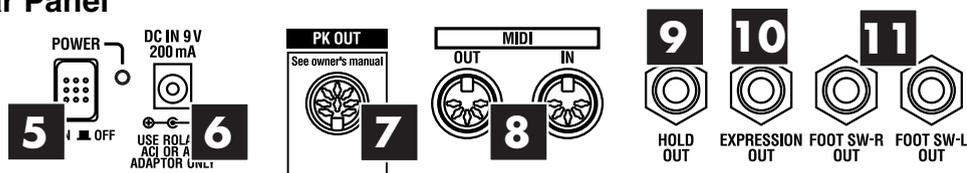
- Use a reasonable amount of care when using the unit’s buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable’s internal elements.
- To avoid disturbing your neighbors, try to keep the unit’s volume at reasonable levels (especially when it is late at night).
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.

# Names and Functions

Front Panel



Rear Panel



## 1. Pedal Keyboard

The PK-7 features an easily transportable twenty-note pedal keyboard.

## 2. Expression Pedal

Advancing the pedal will increase the volume, and returning the pedal toward yourself will decrease the volume. For instructions on connecting it, refer to page 7.

## 3. Foot Switches

Two foot switches are built onto the sides of the expression pedal. Pressing the left switch in the direction of the arrow will switch the rotary effect between slow/fast. Pressing the right switch in the direction of the arrow will turn the rotary brake on/off. When the PK cable that is supplied with the VK-88 is used to connect the PK-7 to the VK-88, you can assign the function that will be controlled by each switch, left and right.

## 4. Hold Pedal

By pressing the Hold pedal you can hold (sustain) the Organ Voice/Orchestral Tones (VK-88)/Other Tones (VK-8).

## 5. POWER Switch

This turns the power of the PK-7 on/off.



If the PK cable that is supplied with the VK-88 is used to connect the PK-7 to the VK-88, the PK-7 will turn on/off in tandem with the VK-88. The power switch of the PK-7 need not be switched on/off.

## 6. AC Adaptor Jack

Connect the supplied AC adaptor to this jack.

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## 7. PK OUT Connector

Use the PK cable that is supplied with the VK-88 to connect this connector to the VK-88. After connecting to the VK-88, make sure to set the PEDAL KEYBOARD [SELECT] switch on the VK-88's rear panel to PK IN (VK-88 Owner's Manual, p. 22).

### NOTE

*Do not attempt to use any cable other than the supplied PK cable, since this will cause malfunctions.*

*This connector cannot be used with the VK-8.*

## 8. MIDI Connectors

Use these connectors to connect external MIDI devices such as the VK-8. Use a MIDI cable (sold separately) to make the connections.

## 9. HOLD OUT (Hold Pedal output) Jack

This jack outputs the on/off data from the hold pedal. If you are using the PK-7 with the VK-8, you use a monaural cable (phone-phone) (sold separately) to connect this jack to the VK-8's HOLD PEDAL jack

### NOTE

*If a cable is connected to this jack, Hold data will not be sent from the PK OUT connector or the MIDI OUT connector. In this case, you can't change the MIDI channel.*

## 10. EXPRESSION OUT (Expression pedal output) Jack

This jack outputs the data from the expression pedal. When a stereo cable (phone-phone) (sold separately) is used to connect this jack to the VK-8's EXPRESSION PEDAL jack, the expression pedal will control the overall volume of the VK-8.

### NOTE

*The expression pedal is designed only for Roland/Boss products. Connecting it to products made by manufacturers other than Roland or Boss may cause malfunctions.*

### NOTE

*If a cable is connected to this jack, Expression data will not be output from the PK OUT connector or MIDI OUT connector.*

## 11. FOOT SW-L OUT/FOOT SW-R OUT (Foot switch L output /Foot switch R output) Jacks

These jacks output on/off data from the foot switches. When a monaural cable (phone-phone) (sold separately) is used to connect this to the VK-8's CONTROL PEDAL jack, you can use a foot switch to control functions other than rotary effect fast/slow or brake.

### NOTE

*If a cable is connected to this jack, on/off data from the foot switches will not be output from the PK OUT connector or the MIDI OUT connector.*

# Connections

The PK-7 is shipped with the expression pedal detached. Before connecting the PK-7 to another device, please attach the expression pedal.



*When attaching or detaching the expression pedal, be careful not to step on a knob bolt. When removing the knob bolts, place them out of the reach of children. If a knob bolt is accidentally swallowed, consult a doctor immediately.*

- 1. Connect the expression pedal cable to the connector in the upper part of the PK-7.**
- 2. While being careful not to pinch the cable, place the expression pedal on the PK-7.**
- 3. Use the three supplied knob bolts to fasten the expression pedal, making sure that the bolt holes are aligned.**



*The connector in the upper part of the PK-7 is only for connecting the supplied expression pedal. Connecting this to any device other than the PK-7's own expression pedal could result in malfunction.*

*To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.*

## Connecting to the VK-88 (Turning the Power On)

Use the PK cable that is supplied with the VK-88 to connect the VK-88 and PK-7.



*The supplied AC adaptor is not used. The PK-7 will be turned on/off by the power switch of the VK-88, regardless of the position of the PK-7's own power switch.*

- 1. Make sure that the VK-88's power is turned off.**
- 2. Set the PEDAL KEYBOARD [SELECT] switch (located on the rear panel of the VK-88) to the PK IN position.**
- 3. Use the PK cable that is supplied with the VK-88 to connect the VK-88's PK IN connector to the PK-7's PK OUT connector.**
- 4. As explained on the VK-88 Owner's Manual, turn on the power of the VK-88.**
- 5. Make sure that the indicator on the rear panel of the PK-7 is lit.**
- 6. Play the pedal keyboard. If you hear the pedal part of the VK-88, connections are complete.**



You can select the part that will be sustained when you press the Hold pedal.

→ HOLD PEDAL ASSIGN (VK-88 Owner's Manual, p. 80)



A variety of functions can be assigned to each foot switch (L/R).

→PK FOOT L ASSIGN (VK-88 Owner's Manual, p. 68)

→PK FOOT R ASSIGN (VK-88 Owner's Manual, p. 68)

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# Connecting to the VK-8 (Turning the Power On)

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Use a MIDI cable to connect the VK-8 and PK-7.



The PK-7 provides a “MIDI Merge” feature, which allows you to have the MIDI messages received at MIDI IN be combined with the MIDI messages produced by playing the PK-7 itself. The resulting merged data stream is then transmitted from the MIDI OUT connector.

- 1. Make sure that the power of the VK-8 and PK-7 is turned off.**
- 2. Use a MIDI cable to connect the VK-8’s MIDI PEDAL IN connector to the PK-7’s MIDI OUT connector.**
- 3. Connect the appropriate end of the AC adaptor to the DC IN jack. Then connect the other end to a standard AC outlet.**



*Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.*

- 4. Turn on the power of the PK-7, and make sure that the indicator on the PK-7’s rear panel is lit.**
- 5. As described in the VK-8 Owner’s Manual, turn on the power of the VK-8.**
- 6. Make sure that the Sub-Keyboard Function is on (VK-8 Owner’s Manual p. 58).**
- 7. Play the pedal keyboard. If the pedal part is heard from the VK-8, connections are complete.**

Once you have made connections as described above, you can use the switches and pedals to control the following functions.

- Expression pedal: Control the volume of all parts of the Organ, and the Other Tones.
- Foot switch L: Switch the rotary effect between slow/fast.
- Foot switch R: Turn the rotary effect brake on/off.
- Hold pedal: Hold (sustain) the sound of the Organ voice and Other Tones.



When the PK-7’s FOOT SW-L OUT/FOOT SW-R OUT/HOLD jack is connected to the VK-8’s CONTROL PEDAL jack, you can assign a variety of functions to the foot switch. Use a mono cable (phone-phone) to make connections.

→ Assigning a Function to the Control Pedal (VK-8 Owner’s Manual, p. 40)



When the PK-7’s EXPRESSION OUT jack is connected to the VK-8’s EXPRESSION PEDAL jack, you can use the expression pedal to simultaneously control the volume of all parts of the Organ and the Other Tones. Use a stereo cable (phone-phone) to make connections.

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## Changing the MIDI channel

If the PK-7 is connected to the VK-88/VK-8, there is no need to change the MIDI transmit channel. However if you are connecting to another MIDI device, you can change the MIDI transmit channel of the PK-7 if desired. To set the MIDI transmit channel to “1,” hold down the C2 note (the left-most note) and the Hold pedal while you turn on the power. Similarly, you can use the notes from D2 to D#3 to select channels 3–16. When the power is turned off, the MIDI transmit channel will automatically be set to “2.”



*If you want to change the MIDI channel, disconnect the cable from the HOLD OUT jack first.*



*Turn off the power of the PK-7 after turning off the power of VK-8.*

## Troubleshooting

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If the PK-7 does not function as you expect, please check the following points first. If this does not resolve the problem, contact your dealer or a nearby Roland service center.

- The power (indicator) does not come on when I turn on the power switch.
  - ◆ If the PK-7 is connected to a device that cannot use the PK cable (such as the VK-8), the supplied AC adaptor must be used. After connecting the AC adaptor correctly, turn the power switch on.
- The power (indicator) does not turn on/off when I turn the PK-7's power switch on/off.
  - ◆ The PK-7's power is switched on/off in tandem with the VK-88 when it is connected to the VK-88 using the PK cable that is supplied with the VK-88. Make sure that the VK-88's power is turned on and the PK cable is connected correctly.
- The foot switch, hold pedal, and/or expression pedal do not operate correctly.
  - ◆ Make sure that the expression pedal cable is correctly connected to the connector on the upper part of the PK-7 (p. 7).
  - ◆ If the PK cable is used to connect the PK-7 to the VK-88
    - Make sure that the cable is connected correctly (p. 7).
    - Check the settings of the switches or pedals.  
Foot switch: VK-88 Owner's Manual, p. 68 (PK FOOT L ASSIGN/PK FOOT R ASSIGN)  
Hold pedal: VK-88 Owner's Manual, p. 80 (HOLD PEDAL ASSIGN)  
Expression pedal: VK-88 Owner's Manual, p. 82 (ORCHESTRAL TONES EXPRESSION)
- ◆ If a MIDI cable is used to connect the PK-7 to the VK-8
  - Check that the MIDI cable is connected correctly (p. 8).
  - If you wish to use the expression pedal to control the volume of the Other Tones, use a stereo cable (phone-phone) to connect the PK-7's EXPRESSION OUT jack to the VK-8's EXPRESSION PEDAL jack, or the PK-7's EXPRESSION OUT jack to the VK-8's CONTROL PEDAL jack. (VK-8 Owner's Manual, p. 40–41)
- ◆ If MIDI and analog cables are used to connect the PK-7 to the VK-8
  - Make sure that the polarity of the VK-8's CONTROL PEDAL jack is set to "Standard." (VK-8 Owner's Manual, p. 56)
  - Make sure that a function is assigned to the VK-8's CONTROL PEDAL jack. (VK-8 Owner's Manual, p. 40–41)
  - Use a stereo cable (phone-phone) when connecting the PK-7's EXPRESSION OUT jack to the VK-8's EXPRESSION PEDAL jack, or the PK-7's EXPRESSION OUT jack to the VK-8's CONTROL PEDAL jack.
- Cannot assign a function to the foot switch.
  - ◆ When the PK-7 is connected to the VK-8 without using analog cables, functions other than Rotary Slow/Fast (foot pedal L) and Rotary Brake (foot pedal R) cannot be assigned.
- MIDI channel can't be changed.
  - ◆ If a cable is connected to the HOLD OUT jack, the MIDI channel can't be changed. If you want to change the MIDI channel, disconnect the cable from the HOLD OUT jack (p. 8).

## Error Messages

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In the following situations, the indicator of the rear panel of PK-7 will blink for approximately five seconds.

Situation 1: It is possible that the MIDI cable has been disconnected or is damaged.

Action 1: Check the MIDI cable connections.

Situation 2: MIDI data could not be received correctly.

Action 2: If the indicator continues blinking for an extended period of time, there is a problem with the content of the MIDI data.

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# Specifications

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- Pedalboard: 20 keys
- Control: Expression Pedal  
Foot Switch-L/R  
Damper (Hold) Switch  
Power Switch
  - Connectors: PK OUT Jack  
MIDI Connectors (IN/OUT)  
HOLD OUT Jack  
EXPRESSION OUT Jack  
FOOT SW-R OUT Jack  
FOOT SW-L OUT Jack  
DC IN Jack
  - Power: DC 9 V: AC Adaptor, or Supplied from VK-88 via PK cable
  - Current Draw: 200 mA (DC 9 V)
  - Dimensions: 905 (W) x 492 (D) x 264 (H) mm  
35-11/16 (W) x 19-3/8 (D) x 10-7/16 (H) inches
  - Weight: 15.7 kg / 34 lbs 10 oz
  - Accessories: Owner's Manual  
AC Adaptor  
PK connector's cable
  - Options: Combo Organ: VK-88 / VK-8
- \* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

# MIDI Implementation

Model: PK-7 (MIDI Pedal Keyboard)

Date: Oct.21,1998

Version: 1.00

## 1. Recognized Receive Data

### ■System Realtime Messages

Status

FEH

\* By receiving an Active Sensing message, this unit enters the mode timing the interval between incoming MIDI messages. If the interval exceeds 500 ms, this unit transmits Note Off messages corresponding to the transmitted notes being On, and returns from this mode.

## 2. Transmitted Data

### ■Channel Voice Messages

#### ●Note off

<u>Status</u>	<u>2nd byte</u>	<u>3rd byte</u>
8nH	kkH	40H

n = MIDI channel : 0H - FH (ch.1 - 16)  
kk = note number : 24H - 37H (36 - 55)

#### ●Note on

<u>Status</u>	<u>2nd byte</u>	<u>3rd byte</u>
9nH	kkH	78H

n = MIDI channel : 0H - FH (ch.1 - 16)  
kk = note number : 24H - 37H (36 - 55)

#### ●Control Change

##### ○Expression (Controller number 11)

<u>Status</u>	<u>2nd byte</u>	<u>3rd byte</u>
BnH	0BH	vvH

n = MIDI channel : 0H - FH (ch.1 - 16)  
vv = expression : 00H - 7FH (0 - 127)

\* If the EXPRESSION OUT jack on the rear panel is in use, this unit doesn't send Expression message via MIDI.

##### ○General Purpose Controller 3 (Controller number 18)

<u>Status</u>	<u>2nd byte</u>	<u>3rd byte</u>
BnH	12H	vvH

n = MIDI channel : 0H - FH (ch.1 - 16)  
vv = control value : 00H, 7FH (0, 127)

\* This message will be sent by operating a foot switch locating left side of the expression pedal.

\* If a FOOT SW-L OUT jack on the rear panel is in use, the unit doesn't send this message via MIDI.

##### ○General Purpose Controller 4 (Controller number 19)

<u>Status</u>	<u>2nd byte</u>	<u>3rd byte</u>
BnH	13H	vvH

n = MIDI channel : 0H - FH (ch.1 - 16)  
vv = control value : 00H, 7FH (0, 127)

\* This message will be sent by operating a foot switch locating right side of the expression pedal.

\* If a FOOT SW-R OUT jack on the rear panel is in use, the unit doesn't send this message via MIDI.

##### ○Hold 1 (Controller number 64)

<u>Status</u>	<u>2nd byte</u>	<u>3rd byte</u>
BnH	40H	vvH

n = MIDI channel : 0H - FH (ch.1 - 16)  
vv = control value : 00H, 7FH (0, 127)

\* If a HOLD OUT jack on the rear panel is in use, the unit doesn't send Hold 1 message via MIDI.

### ■System Realtime Message

#### ●Active sensing

Status

FEH

\* This will be transmitted constantly at intervals of approximately 250 ms.

### ■System Exclusive Messages

"Data Set 1 (DT1)" to control VK-8/7 is the only System Exclusive messages transmitted by PK-7.

#### ●Data Set1 DT1

<u>Status</u>	<u>Data byte</u>	<u>Status</u>
F0H	41H, 10H, 00H, 08H, 12H, aaH, bbH, ccH, ddH, eeH, sum	F7H

<u>Byte</u>	<u>Remarks</u>
F0H	Exclusive status
41H	ID number (Roland)
10H	device ID
00H	model ID
08H	model ID (VK-7)
12H	command ID (DT1)
aaH	address MSB: The most significant byte of the address
bbH	address
ccH	address
ddH	address LSB: The least significant byte of the address
eeH	data: The actual data to be transmitted.
sum	checksum
F7H	EOX (End Of Exclusive)

\* This unit sends the following messages to control ROTARY SOUND of the VK-8/7.

F0 41 10 00 08 12 02 00 10 3D ... F7  
(Rotary Speed: Transmit by FOOT SW-L)

F0 41 10 00 08 12 02 00 10 3E ... F7  
(Rotary Rotation: Transmit by FOOT SW-R)

**MIDI Implementation Chart**

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1 – 16	x	
	Changed	1 – 16	x	
Mode	Default	Mode 3	x	
	Messages Altered	x *****	x	
Note Number :	True Voice	36 – 55	x	
		*****	x	
Velocity	Note ON	O (9n, v=120)	x	
	Note OFF	O (8n, v=64)	x	
After Touch	Key's	x	x	
	Ch's	x	x	
Pitch Bend		x	x	
Control Change	11	O	x	Expression General Purpose 3 General Purpose 4 Hold 1
	18	O	x	
	19	O	x	
	64	O	x	
Prog Change : True #		x	x	
		*****	x	
System Exclusive		O *1	x	
System Common	SongPos	x	x	
	SongSel	x	x	
	Tune	x	x	
System Real Time	Clock Commands	x	x	
		x	x	
Aux Message	All Sound OFF	x	x	
	Reset All Controllers	x	x	
	Local ON/OFF	x	x	
	All Notes OFF	x	x	
	Active Sensing	O	O	
	Reset	x	x	
Notes		*1 For controlling Rotary Sound of the VK-8/7		

Mode 1 : OMNI ON, POLY

Mode 2 : OMNI ON, MONO

O : Yes

Mode 3 : OMNI OFF, POLY

Mode 4 : OMNI OFF, MONO

x : No

# Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

## AFRICA

### EGYPT

**Al Fanny Trading Office**  
9, EBN Hagar A1 Askalany Street,  
ARD El Golf, Heliopolis,  
Cairo 11341, EGYPT  
TEL: 20-2-417-1828

### REUNION

**Maison FO - YAM Marcel**  
25 Rue Jules Hermann,  
Chaudron - BP79 97 491  
Ste Clotilde Cedex,  
REUNION ISLAND  
TEL: (0262) 218-429

### SOUTH AFRICA

**That Other Music Shop  
(PTY) Ltd.**  
11 Melle St., Braamfontein,  
Johannesburg, SOUTH AFRICA  
P.O.Box 32918, Braamfontein 2017  
Johannesburg, SOUTH AFRICA  
TEL: (011) 403 4105

### Paul Bothner (PTY) Ltd.

17 Werdmuller Centre,  
Main Road, Claremont 7708  
SOUTH AFRICA  
P.O.Box 23032, Claremont 7735,  
SOUTH AFRICA  
TEL: (011) 674 4030

## ASIA

### CHINA

**Roland Shanghai Electronics  
Co., Ltd.**  
5F. No.1500 Pingliang Road  
Shanghai 200090, CHINA  
TEL: (021) 5580-0800

### Roland Shanghai Electronics Co., Ltd.

**(BEIJING OFFICE)**  
10F. No.18 Anhuaxili  
Chaoyang District, Beijing 100011  
CHINA  
TEL: (010) 6426-5050

### Roland Shanghai Electronics Co., Ltd.

**(GUANGZHOU OFFICE)**  
2/F., No.30 Si You Nan Er Jie Yi  
Xiang, Wu Yang Xin Cheng,  
Guangzhou 510600, CHINA  
Tel: (020) 8736-0428

### HONG KONG

**Tom Lee Music Co., Ltd.  
Service Division**  
22-32 Pun Shan Street, Tsuen  
Wan, New Territories,  
HONG KONG  
TEL: 2415 0911

### Parsons Music Ltd.

8th Floor, Railway Plaza, 39  
Chatham Road South, T.S.T,  
Kowloon, HONG KONG  
TEL: 2333 1863

### INDIA

**Rivera Digitec (India) Pvt. Ltd.**  
409, Nirman Kendra Mahalaxmi  
Flats Compound Off. Dr. Edwin  
Moses Road, Mumbai-400011,  
INDIA  
TEL: (022) 2493 9051

### INDONESIA

**PT Citra IntiRama**  
Jl. Cideng Timur No. 15J-150  
Jakarta Pusat  
INDONESIA  
TEL: (021) 6324170

### KOREA

**Cosmos Corporation**  
1461-9, Seocho-Dong,  
Seocho Ku, Seoul, KOREA  
TEL: (02) 3486-8855

### MALAYSIA

**BENTLEY MUSIC SDN BHD**  
140 & 142, Jalan Bukit Bintang  
55100 Kuala Lumpur, MALAYSIA  
TEL: (03) 2144-3333

### PHILIPPINES

**G.A. Yupangco & Co. Inc.**  
339 Gil J. Puyat Avenue  
Makati, Metro Manila 1200,  
PHILIPPINES  
TEL: (02) 899 9801

### SINGAPORE

**Swee Lee Company**  
150 Sims Drive,  
SINGAPORE 387381  
TEL: 6846-3676

### CRISTOFORI MUSIC PTE LTD

Blk 3014, Bedok Industrial Park E,  
#02-2148, SINGAPORE 489980  
TEL: 6243-9555

### TAIWAN

**ROLAND TAIWAN  
ENTERPRISE CO., LTD.**  
Room 5, 9fl. No. 112 Chung Shan  
N.Road Sec.2, Taipei, TAIWAN,  
R.O.C.  
TEL: (02) 2561 3339

### THAILAND

**Theera Music Co., Ltd.**  
330 Verng NakornKasem, Soi 2,  
Bangkok 10100, THAILAND  
TEL: (02) 2248821

### VIETNAM

**Saigon Music**  
Suite DP-8  
40 Ba Huyen Thanh Quan Street  
Hochiminh City, VIETNAM  
Tel: (08) 930-1969

## AUSTRALIA/ NEW ZEALAND

### AUSTRALIA

**Roland Corporation  
Australia Pty., Ltd.**  
38 Campbell Avenue  
Dee Why West. NSW 2099  
AUSTRALIA  
TEL: (02) 9982 8266

### NEW ZEALAND

**Roland Corporation Ltd.**  
32 Shaddock Street, Mount Eden,  
Auckland, NEW ZEALAND  
TEL: (09) 3098 715

## CENTRAL/LATIN AMERICA

### ARGENTINA

**Instrumentos Musicales S.A.**  
Av. Santa Fe 2055  
(1123) Buenos Aires  
ARGENTINA  
TEL: (011) 4508-2700

### BRAZIL

**Roland Brasil Ltda**  
Rua San Jose, 780 Sala B  
Parque Industrial San Jose  
Cotia - Sao Paulo - SP, BRAZIL  
TEL: (011) 4615 5666

### COSTA RICA

**JUAN BANSBACH  
Instrumentos Musicales**  
Ave.1. Calle 11, Apartado 10237,  
San Jose, COSTA RICA  
TEL: 258-0211

### CHILE

**Comercial Fancy II S.A.**  
Rut.: 96.919.420-1  
Nataniel Cox #739, 4th Floor  
Santiago - Centro, CHILE  
TEL: (02) 688-9540

### EL SALVADOR

**OMNI MUSIC**  
75 Avenida Norte y Final  
Alameda Juan Pablo II,  
Edificio No.4010 San Salvador,  
EL SALVADOR  
TEL: 262-0788

### MEXICO

**Casa Veerkamp, s.a. de c.v.**  
Av. Toluca No. 323, Col. Olivar  
de los Padres 01780 Mexico D.F.  
MEXICO  
TEL: (55) 5668-6699

### PANAMA

**SUPRO MUNDIAL, S.A.**  
Boulevard Andrews, Albrook,  
Panama City, REP. DE PANAMA  
TEL: 315-0101

### PARAGUAY

**Distribuidora De  
Instrumentos Musicales**  
J.E. Olear y ESQ. Manduvira  
Asuncion PARAGUAY  
TEL: (021) 492-124

### URUGUAY

**Todo Musica S.A.**  
Francisco Acuna de Figueroa 1771  
C.P.: 11.800  
Montevideo, URUGUAY  
TEL: (02) 924-2335

### VENEZUELA

**Musicland Digital C.A.**  
Av. Francisco de Miranda,  
Centro Parque de Cristal, Nivel  
C2 Local 20 Caracas  
VENEZUELA  
TEL: (212) 285-8586

## EUROPE

### AUSTRIA

**Roland Austria GES.M.B.H.**  
Siemensstrasse 4, P.O. Box 74,  
A-6063 RUM, AUSTRIA  
TEL: (0512) 26 44 260

### BELGIUM/HOLLAND/ LUXEMBOURG

**Roland Benelux N. V.**  
Houtstraat 3, B-2260, Oevel  
(Westerlo) BELGIUM  
TEL: (014) 575811

### CZECH REP.

**K-AUDIO**  
Kardasovska 626,  
CZ-198 00 Praha 9,  
CZECH REP.  
TEL: (2) 666 10529

### DENMARK

**Roland Scandinavia A/S**  
Nordhavnsvej 7, Postbox 880,  
DK-2100 Copenhagen  
DENMARK  
TEL: 3916 6200

### FRANCE

**Roland France SA**  
4, Rue Paul Henri SPAAK,  
Parc de l'Esplanade, F 77 462 St.  
Thibault, Lagny Cedex FRANCE  
TEL: 01 600 73 500

### FINLAND

**Roland Scandinavia As,  
Filial Finland**  
Elanontie 5  
FIN-01510 Vantaa, FINLAND  
TEL: (09) 68 24 020

### GERMANY

**Roland Elektronische  
Musikinstrumente HmbH.**  
Oststrasse 96, 22844 Norderstedt,  
GERMANY  
TEL: (040) 52 60090

### GREECE

**STOLLAS S.A.  
Music Sound Light**  
155, New National Road  
Patras 26442, GREECE  
TEL: 2610 435400

### HUNGARY

**Roland East Europe Ltd.**  
Warehouse Area 'DEPO' Pf.83  
H-2046 Torokbalint, HUNGARY  
TEL: (23) 511011

### IRELAND

**Roland Ireland**  
G2 Calmount Park, Calmount  
Avenue, Dublin 12  
Republic of IRELAND  
TEL: (01) 4294444

### ITALY

**Roland Italy S. p. A.**  
Viale delle Industrie 8,  
20020 Arese, Milano, ITALY  
TEL: (02) 937-78300

### NORWAY

**Roland Scandinavia Avd.  
Kontor Norge**  
Lilleakerveien 2 Postboks 95  
Lilleaker N-0216 Oslo  
NORWAY  
TEL: 2273 0074

### POLAND

**MX MUSIC SP.Z.O.O.**  
UL. Gibraltarska 4.  
PL-03664 Warszawa POLAND  
TEL: (022) 679 44 19

### PORTUGAL

**Tecnologias Musica e Audio,  
Roland Portugal, S.A.**  
Cais Das Pedras, 8/9-1 Dto  
4050-465 PORTO  
PORTUGAL  
TEL: (022) 608 00 60

### ROMANIA

**FBS LINES**  
Piata Libertatii 1,  
535500 Gheorgheni, ROMANIA  
TEL: (266) 364 609

### RUSSIA

**MuTek**  
3-Bogatyrskaya Str. 1.k.1  
107 564 Moscow, RUSSIA  
TEL: (095) 169 5043

### SPAIN

**Roland Electronics  
de España, S. A.**  
Calle Bolivia 239, 08020  
Barcelona, SPAIN  
TEL: (93) 308 1000

### SWEDEN

**Roland Scandinavia A/S  
SWEDISH SALES OFFICE**  
Danvik Center 28, 2 tr.  
S-131 30 Nacka SWEDEN  
TEL: (0)8 702 00 20

### SWITZERLAND

**Roland (Switzerland) AG**  
Landstrasse 5, Postfach,  
CH-4452 Itingen,  
SWITZERLAND  
TEL: (061) 927-8383

### UKRAINE

**TIC-TAC**  
Mira Str. 19/108  
P.O. Box 180  
295400 Munkachevo, UKRAINE  
TEL: (03131) 414-40

### UNITED KINGDOM

**Roland (U.K.) Ltd.**  
Atlantic Close, Swansea  
Enterprise Park, SWANSEA  
SA7 9FJ,  
UNITED KINGDOM  
TEL: (01792) 702701

## MIDDLE EAST

### BAHRAIN

**Moon Stores**  
No.16, Bab Al Bahrain Avenue,  
P.O.Box 247, Manama 304,  
State of BAHRAIN  
TEL: 211 005

### CYPRUS

**Radex Sound Equipment Ltd.**  
17, Diagorou Street, Nicosia,  
CYPRUS  
TEL: (022) 66-9426

### IRAN

**MOCO, INC.**  
No.41 Nike St., Dr.Shariyati Ave.,  
Roberoye Cerahe Mirdamad  
Tehran, IRAN  
TEL: (021) 285-4169

### ISRAEL

**Halilit P. Greenspoon &  
Sons Ltd.**  
8 Retzif Ha'aliya Hashnya St.  
Tel-Aviv-Yafo ISRAEL  
TEL: (03) 6823666

### JORDAN

**AMMAN Trading Agency**  
245 Prince Mohammad St.,  
Amman 1118, JORDAN  
TEL: (06) 464-1200

### KUWAIT

**Easa Husain Al Yousifi Est.**  
Abdullah Salem Street,  
Safat, KUWAIT  
TEL: 243-6399

### LEBANON

**Chahine S.A.L.**  
Gerge Zeidan St., Chahine Bldg.,  
Achrafieh, P.O.Box: 16-5857  
Beirut, LEBANON  
TEL: (01) 20-1441

### QATAR

**Al Emadi Co. (Badie Studio  
& Stores)**  
P.O. Box 62, Doha, QATAR  
TEL: 4423-554

### SAUDI ARABIA

**aDawliah Universal  
Electronics APL**  
Corniche Road, Aldossary Bldg.,  
1st Floor, Alkhobar,  
SAUDI ARABIA

P.O.Box 2154, Alkhobar 31952  
SAUDI ARABIA  
TEL: (03) 898 2081

### SYRIA

**Technical Light & Sound  
Center**  
Khaled Ebn Al Walid St.  
Bldg. No. 47, P.O.Box 13520,  
Damascus, SYRIA  
TEL: (011) 223-5384

### TURKEY

**Ant Muzik Aletleri Ithalat  
Ve Ihracat Ltd Sti**  
Siraselviler Caddesi Siraselviler  
Pasaji No:74/20  
Taksim - Istanbul, TURKEY  
TEL: (0212) 2499324

### U.A.E.

**Zak Electronics & Musical  
Instruments Co. L.L.C.**  
Zabeel Road, Al Sherook Bldg.,  
No. 14, Grand Floor, Dubai, U.A.E.  
TEL: (04) 3360715

## NORTH AMERICA

### CANADA

**Roland Canada Music Ltd.  
(Head Office)**  
5480 Parkwood Way Richmond  
B. C., V6V 2M4 CANADA  
TEL: (604) 270 6626

### Roland Canada Music Ltd.

**(Toronto Office)**  
170 Admiral Boulevard  
Mississauga On L5T 2N6  
CANADA  
TEL: (905) 362 9707

### U. S. A.

**Roland Corporation U.S.**  
5100 S. Eastern Avenue  
Los Angeles, CA 90040-2938,  
U. S. A.  
TEL: (323) 890 3700

For the U.K.

**IMPORTANT:** THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL  
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

For EU Countries



This product complies with the requirements of European Directive 89/336/EEC.

For the USA

## FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.  
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

### NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

### AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.