Roland

MIDI DIGITAL PIANO

ep-7IIe

Owner's Manual

2nd Edition

For Nordic Countries

Apparatus containing Lithium batteries

ADVARSEL!

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

VARNING!

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL!

Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.
Brukt batteri returneres apparatleverandøren.

VAROITUS!

Paristo voi räjahtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

For Germany

Bescheinigung des Herstellers / Importeurs

Hiermit wird bescheinigt, daß der/die/das
Roland ep-7IIe
(Gerät, Typ Bezeichnung)

in Übereinstimmung mit den Bestimmungen der
Amtsbl. Vfg 1046 / 1984
(Amtsblattverfügung)

funk-entstört ist.
Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Roland Corporation Osaka / Japan
Name des Herstellers/Importeurs

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.

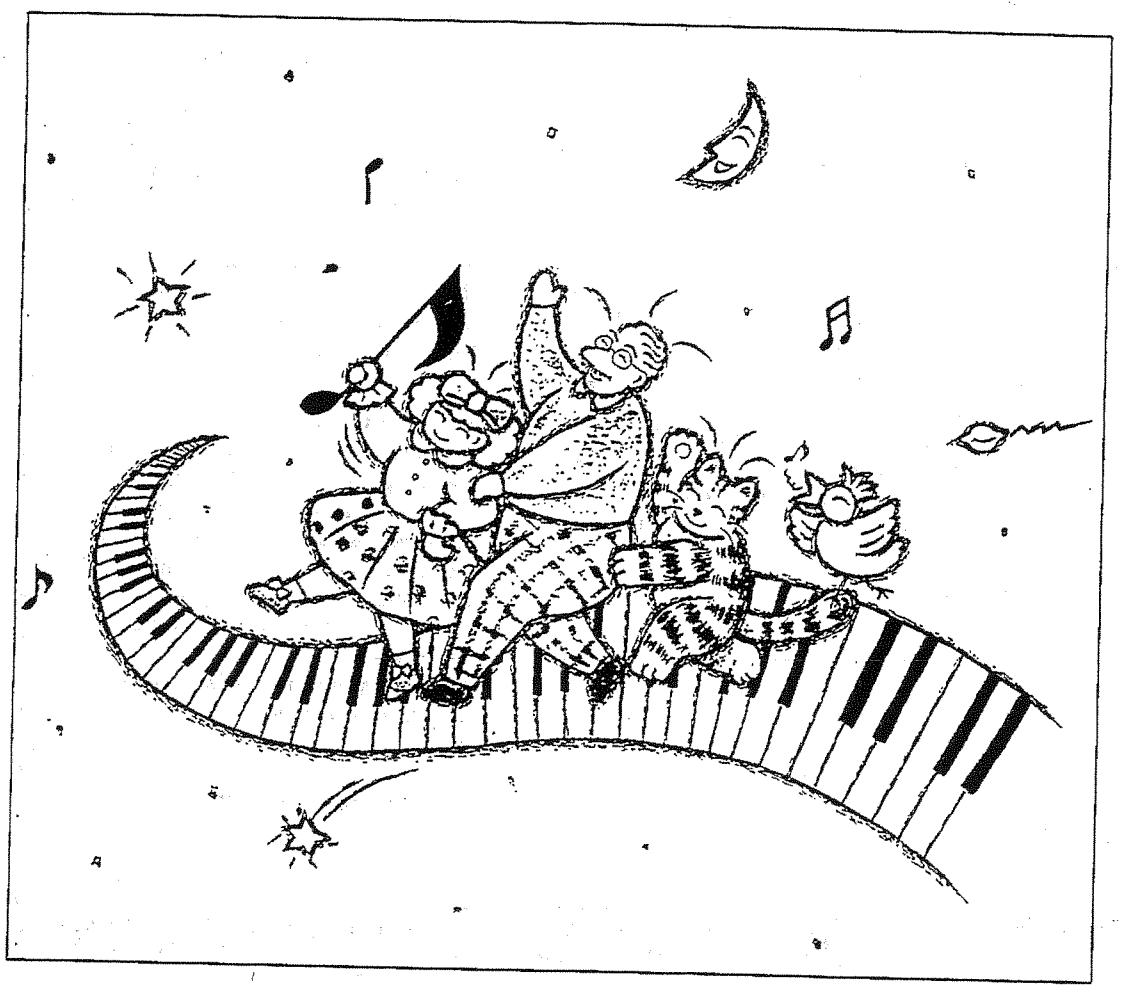
For Canada

CLASS B **NOTICE**
This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

CLASSE B **AVIS**
Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radioélectriques fixés dans le Réglemen des signaux parasites par le ministère canadien des Communications.

Roland ep-7IIe DIGITAL PIANO

Owner's Manual



Thank you, and congratulations on your choice of the Roland ep-7IIe.

The ep-7IIe Digital Piano, designed to make it easier for more people to have fun with music, has firm roots in the same leading-edge technology and manufacturing know-how that has made Roland a leader in electronic musical instrument development. The ep-7IIe provides a selection of 8 realistic sounds (including piano) and offers a keyboard that is a pleasure to play.

What's more, the instrument provides a complete range of features, including a convenient recording function.

To make sure you are comfortable in using all the features the ep-7IIe offers, and to ensure satisfaction for years to come, please read this Owner's Manual in its entirety before starting out.

Important Notes

[Power Supply]

- Be sure to use only the adaptor supplied with the unit. Use of any other power adaptor could result in damage, malfunction, or electric shock.
- When making any connections with other devices, always turn off the power to all equipment first; this will help prevent damage or malfunction.
- Do not use this unit on the same power circuit with any device that will generate line noise, such as a motor or variable lighting system.
- The power supply required for this unit is shown on its nameplate. Ensure that the line voltage of your installation meets this requirement.
- Avoid damaging the power cord; do not step on it, place heavy objects on it etc.
- When disconnecting the AC adaptor from the outlet, grasp the plug itself; never pull on the cord.
- If the unit is to remain unused for a long period of time, unplug the power cord.

[Placement]

- Do not subject the unit to temperature extremes (eg. direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas or areas that are subject to high vibration levels.
- Using the unit near power amplifiers (or other equipment containing large transformers) may induce hum.
- This unit may interfere with radio and television reception. Do not use this unit in the vicinity of such receivers.
- Do not expose this unit to temperature extremes (eg. direct sunlight in an enclosed vehicle can deform or discolor the unit) or install it near devices that radiate heat.
- Install the piano on a solid, level surface.

[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 mild neutral detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the risk of discoloration and/or deformation.

[Additional Precautions]

- Protect the unit from strong impact.
- Do not allow objects or liquids of any kind to penetrate the unit. In the event of such an occurrence, discontinue use immediately. Contact qualified service personnel as soon as possible.
- A small amount of heat will radiate from the unit during normal operation.
- Before using the unit in a foreign country, consult with qualified service personnel.
- Should a malfunction occur (or if you suspect there is a problem) discontinue use immediately. Contact qualified service personnel as soon as possible.
- To prevent the risk of electric shock, do not open the unit or its AC adaptor.

[Memory Backup]

- The unit contains a battery which maintains the contents of memory while the main power is off. The expected life of this battery is 5 years or more. However, to avoid the unexpected loss of memory data, it is strongly recommended that you change the battery every 5 years.
  Please be aware that the actual life of the battery will depend on the physical environment (especially temperature) in which the unit is used. When it is time to change the battery, consult with qualified service personnel.
- The unit's battery functions during normal operation as well as maintaining the contents of memory when the main power supply is turned off. When the battery becomes weak, there is a risk of losing the contents of the memory. To avoid the unexpected loss of memory data, replace the battery before it becomes weak.

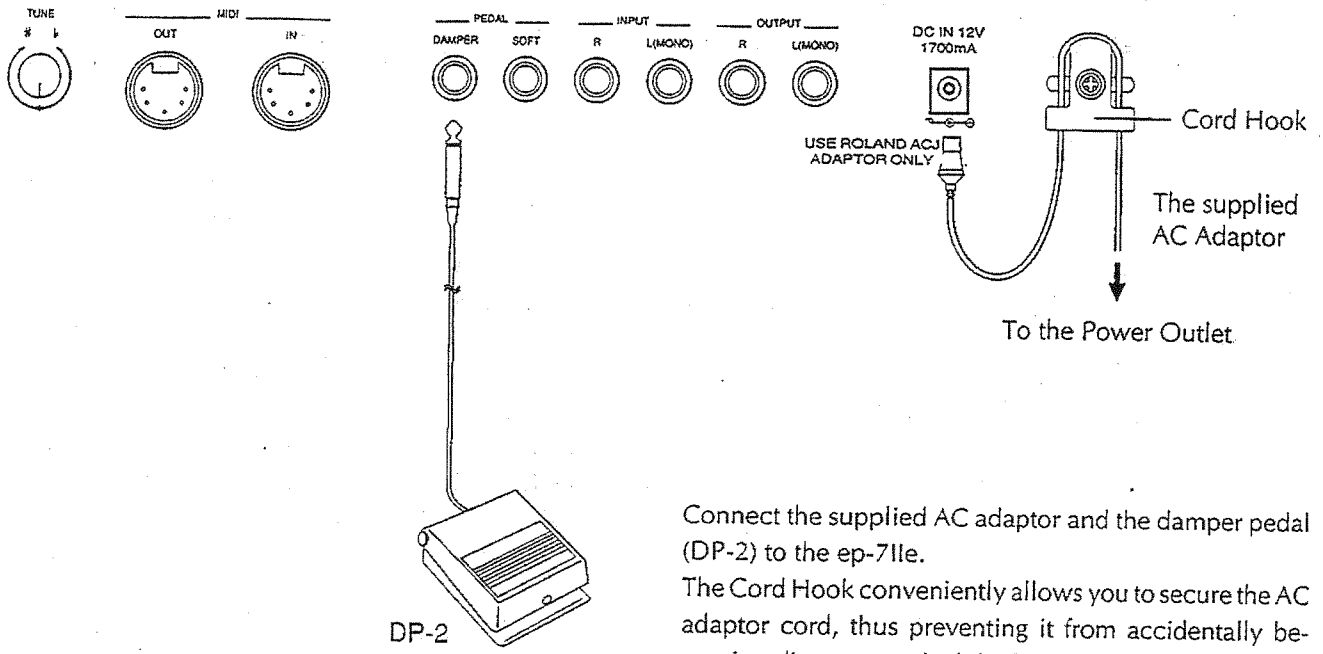
Specifications

KEYBOARD:	76 weighted keys with touch-sensitivity.
MAX. POLYPHONY:	28 notes
VOICES:	Eight (Piano 1, Piano 2, Electric Piano, Vibraphone, Harpsichord, Organ, Strings, Choir)
EFFECTS:	Chorus, Reverb
RECORDER:	Provides for recording and playback, as well as tempo changes. (Can record a maximum of 4 pieces, or approximately 1,600 notes)
MASTER TUNING:	+/- 50 cents
BUTTONS:	Tempo Adjustment Buttons (TEMPO), Recording Button (REC), Playback Button (PLAY) , Voice Buttons (PIANO 1, PIANO 2, ELECTRIC PIANO, VIBRAPHONE, HARPSICHORD, ORGAN, STRINGS, CHOIR), Chorus Button (CHORUS), Reverb Button (REVERB), Demonstration Button (DEMO), Power Switch (POWER)
KNOBS/SLIDERS:	Tuning Knob (TUNE), Volume Control Slider (VOLUME), Piece Selection Slider (PIECE)
CONNECTORS:	AC Adaptor Jack (DC IN), MIDI Connectors (IN/OUT), Pedal Jacks (DAMPER/SOFT), Output Jacks (L(MONO)/R), INPUT Jacks (L(MONO)/R), Headphone Jacks X 2
SPEAKERS:	12cm X 2
OUTPUT:	5W X 2
DIMENSIONS:	1153(W) X 339(D) X 100(H) mm 44 13/16(W) X 13 3/8(D) X 3 15/16(H) inch5
WEIGHT:	11kg 24lb 4oz (Without AC adaptor)
POWER CONSUMPTION:	1700mA (DC12V)
SUPPLIED ACCESSORIES:	Damper Pedal, AC Adaptor, Music Stand, Owner's Manual, MIDI Guidebook
OPTIONS:	Headphones : RH-120, RH-80, RH-20 Pedals : DP-2, DP-6

* In the interest of product improvement, the specifications of this unit are subject to change without prior notice.

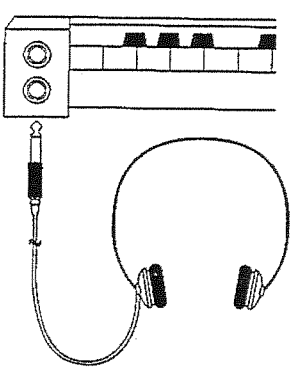
Making the Connections / Powering Up

Before making any connections, make sure you have the power on your instrument turned off.



Connect the supplied AC adaptor and the damper pedal (DP-2) to the ep-7IIe.
The Cord Hook conveniently allows you to secure the AC adaptor cord, thus preventing it from accidentally becoming disconnected while the unit is being played.

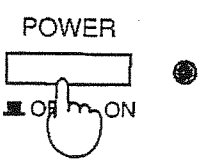
If you wish to use headphones, insert the plug into either of the two jacks on the front of the instrument (left side of the keyboard).
(The ep-7IIe can accommodate two sets of headphones at the same time.)
Once headphones are connected to either (or both) of these jacks, sound is no longer output from the speakers. This makes it ideal for times when you wish to play without disturbing those around you (late at night, for example).



Press the Power Switch to turn the unit on.
(The red indicator will light.)

We are now ready to play the instrument.

Try selecting the different sounds by pressing the Voice Buttons.

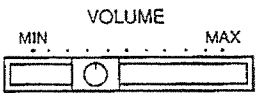


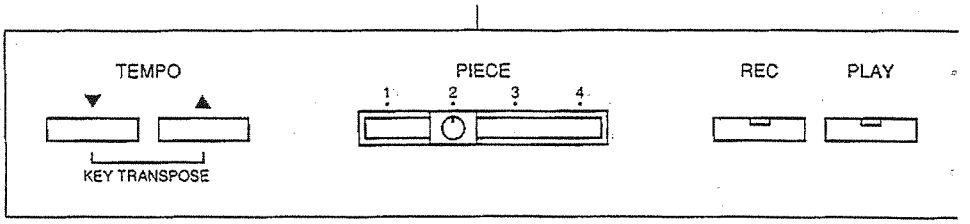
Panel Descriptions

Front Panel

Recorder and Key Transpose

(See next page.)





VOLUME Slider

Adjusts the volume obtained through the speakers or headphones. The further it is moved to the right, the greater the volume level becomes.

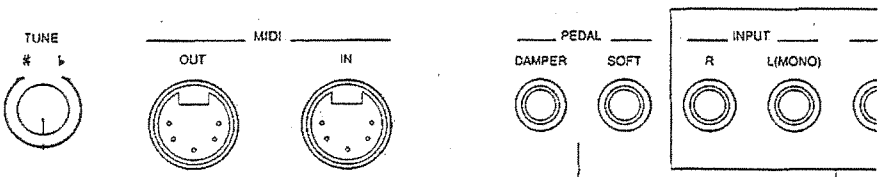
Voice Buttons

Provides selection of the sound you desire.

PIANO 1	A realistic grand piano sound
PIANO 2	A mellow piano sound
E. PIANO	An electric piano
VIBRAPHONE	A refreshing vibraphone sound
HARPSICHORD	A brilliant harpsichord sound
ORGAN	The sublime sound of a pipe organ
STRINGS	The sound of a string ensemble
CHOIR	The rich sound of a mixed chorus

If you wish, you can press two buttons at the same time - you can then play with the two voices layered together.

Rear Panel



TUNE Knob

This knob allows you to precisely adjust the pitch of the ep-7IIe. When the knob is rotated clockwise, the pitch rises; when rotated counter-clockwise, it is lowered. With the knob at the center position, the frequency of the "A" key in the middle of the keyboard will be 440.0 Hz. By rotating the knob completely in either direction, you obtain a pitch change of about 50 cents (1/2 of a semi-tone).

PEDAL Connectors

The supplied DP-2 pedal can be connected to either of these two jacks. The effect obtained will depend on which jack the pedal is connected to :

DAMPER : Notes played will be sustained. (Similar to the sustain pedal on an acoustic piano.)

SOFT : Notes played will have a soften sound. (Similar to the soft pedal on an acoustic piano.)

* A second pedal may be purchased and connected to the unused jack so that both effects can be obtained at the same time.

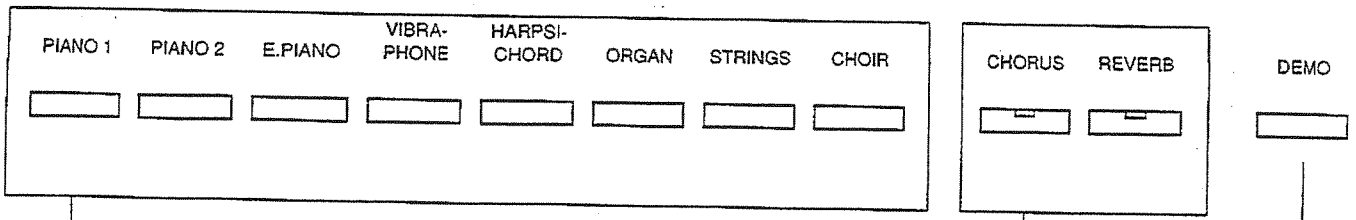
* The instrument allows you to adjust the extent to which the SOFT pedal effect will be obtained. To select the desired effect, simultaneously hold down the PIANO 1, E. PIANO, and HARPSICHORD buttons, while you then press the appropriate key on the keyboard, shown below.

The C key 1 octave above middle C : Changes obtained will be extensive.

Middle C : The same as when power is first turned on. The C key 1 octave below middle C : A lesser degree of change will be obtained.

MIDI Connectors

These connectors are used when you wish to connect the ep-7IIe to another MIDI-equipped device. For details, please refer to the separate "MIDI Guidebook".



Effects Buttons

When one of these buttons is pressed (its indicator will light) the effect it provides will be applied to the notes you play :

CHORUS — The chorus effect makes one instrument sound like several of the same instrument playing in ensemble, so your music will sound richer and more expansive.

REVERB — The reverb effect adds reverberation (a complex type of echo) to the notes you play, creating the ambience of a room that is more acoustically "alive".

DEMO Button

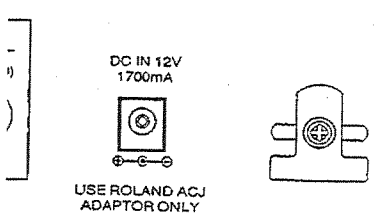
Press the DEMO Button and the demonstration songs will start playing. To stop playback of the demos, press the DEMO button again.

To adjust the volume, move the VOLUME slider.

1 Introduction Demo
2 Ah! Vous Dirai-je, Maman, K.265 / W. A. Mozart
3 Invention No.1 in C-Major / J. S. Bach
4 Turkish March, K.331 / W. A. Mozart
5 Gymnopédie No.1 / Satie
6 Spring Song, Op.62-6 / Mendelssohn
7 The Harmonious Blacksmith / Händel
8 Invention No.13 in A-Minor / J. S. Bach

All Songs Arranged by Seiichi Ito

His life has thus far been a story of remarkable achievements, beginning with winning an electric organ contest while still in junior high school. While in high school, he acquired in-depth knowledge of computers and their use in business. At the time he entered university, he was also an active participant in the business of a Japanese record company. Afterwards, a period in which he served as an advisor on keyboard instruments for Roland Corporation lead to his being taken on-board as a full-time employee. So far, he has performed in 137 cities overseas, and 200 within Japan. He resigned from Roland in 1987 in order to establish his own school of music. Currently, while managing his company's "Studio Ichi," he also serves as an advisor to Roland concerning development of new electronic musical instruments, and assists with their promotion throughout the realm of music.



INPUT Jacks

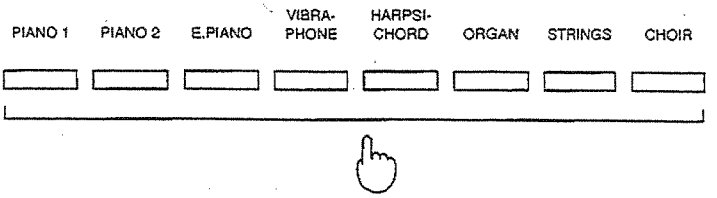
These jacks are where you input audio signals coming from another device. Whatever sound has been input through these jacks will be mixed with the notes played on the keyboard, and can be heard through either the ep-7IIe's speakers or connected headphones. This feature conveniently allows you to practice along with music from a CD or cassette player. If the equipment you are connecting provides only monaural output, connect to the L(MONO) jack.

OUTPUT Jacks

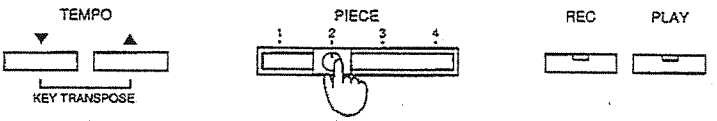
If desired, you can have your keyboard produce a more impressive sound by connecting it with a stereo system or amplifier / speaker setup. To connect the units, plug audio cables into the keyboard's Output jacks and plug the other ends into the Input jacks on your sound system. If the equipment you are going to use can only receive a monaural signal, use the keyboard's L (Mono) Output jack.

Recording

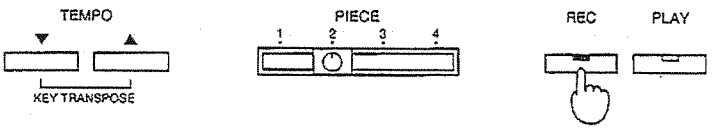
1 Select the voice you intend to use.



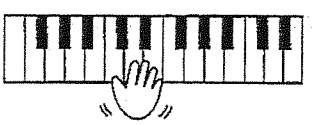
2 The ep-7IIe can accommodate four different pieces. Here you need to select the number of the piece that you are going to record.



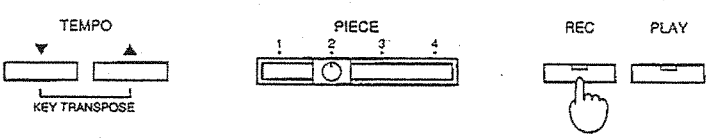
3 Press the REC button.
(The red indicator will light.)



4 Start playing. (The moment you begin playing, the recording will also start.)



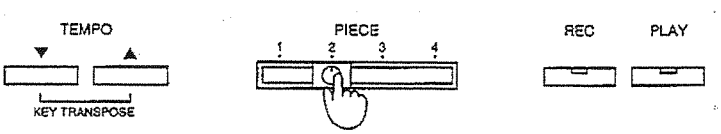
5 When you are finished, press the REC button again. (The indicator will go out.)



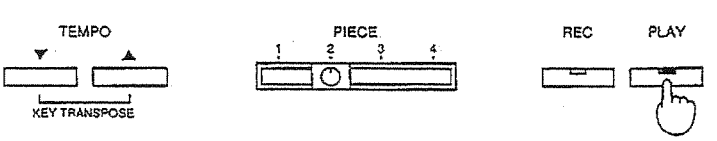
- Everything you do while recording is in progress, including such things as changing voices or pressing the Chorus button, will be faithfully recorded.
- The recording feature provides storage for a combined total (within all 4 pieces) of approximately 1,600 notes.
  When you are running out of space for additional notes...
  the red indicator on the REC button will start blinking.
  And if you continue to record...
  the REC button indicator will blink more rapidly.
  When you reach the point where no more notes can be recorded...
  the indicator on the REC button goes out, and the recording stops automatically.
- What has been recorded will not be lost even when the power is turned OFF. It will be there, ready for playback, the next time the power is turned ON.

Playback

1 Select the number of the piece you wish to hear.



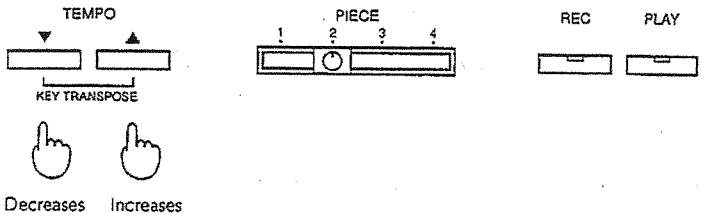
2 Press the PLAY button. Playback will begin.
(The green indicator will light.)



When the end of the piece is reached, the playback mode stops automatically. (The indicator goes out.) Should you wish to stop playback at any time, press the PLAY button.

* Press the TEMPO buttons to change the tempo of the playback.

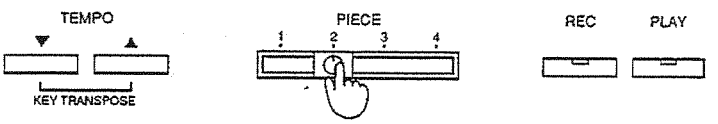
When the power is turned off, the tempo reverts to that which the piece was originally recorded at.



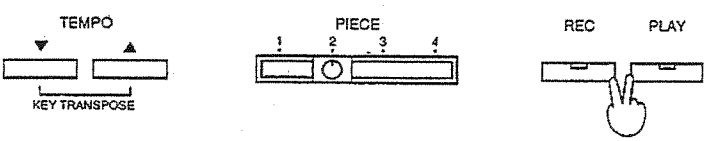
- If you desire, you can play an accompaniment part (using any voice) while a recorded piece is being played back. This conveniently allows you to create an ensemble effect, even though you are playing by yourself! For example, you could play a melody using STRINGS to accompany a recorded PIANO piece.

To Erase Previously Recorded Pieces...

1 Select the piece you wish to erase.



2 Press the REC and PLAY buttons simultaneously; the piece will now be completely erased.

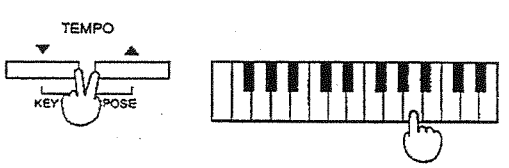


- You can erase all 4 songs at once by holding down the REC and PLAY buttons and then pressing the CHOIR button.

Key Transpose

The instrument allows you to adjust the pitch of all notes (in semi-tone steps) played from the keyboard. This is convenient when, for example, you wish to play a song using the fingering of C major even though the song is actually in some other key.

While holding down both the UP and DOWN TEMPO buttons, press the appropriate note on the keyboard.
For example, if you have a song in the key of A that you wish to play in the key of C, you would press the tonic for the key of A, which is the A key.

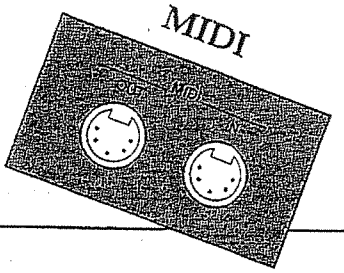


Any A key will do.

- The settings made for Key Transpose will be lost as soon as the power is turned off.

Roland ep-7IIe DIGITAL PIANO

MIDI GUIDEBOOK



Read This If You Intend To Use MIDI To Join Your Keyboard With Other Electronic Instruments or Computers

The term MIDI is an acronym for "Musical instrument Digital Interface." MIDI is a standard that was created to allow electronic musical instruments, computers and other devices to communicate with each other. The great majority of contemporary electronic instruments provide MIDI compatibility.

A device equipped with MIDI is easily identified by the fact that it has one or more MIDI Connectors. In order to share performance information with other units, cables need to be connected between these connectors.

The ep-7IIe has a MIDI IN connector, used to receive MIDI messages; and a MIDI OUT connector, from which it sends messages.

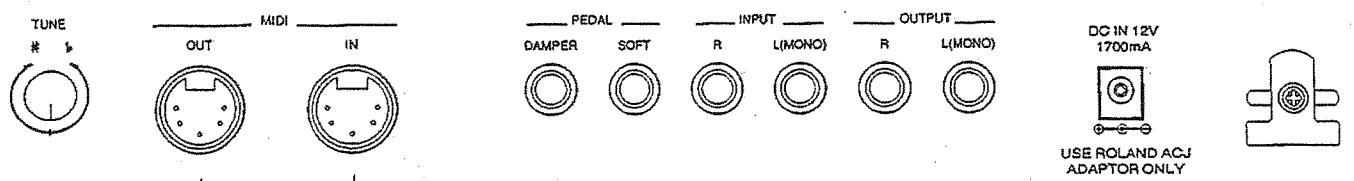
MIDI makes the following applications possible:

- The notes you play on the ep-7IIe can be relayed and sounded simultaneously on other MIDI-equipped instruments or sound modules (*1).
- The ep-7IIe can be played under the control of another MIDI-equipped keyboard, or a sequencer (*2).
- Everything you play on the ep-7IIe can be recorded into a sequencer (*2).

(*1) A sound module is a device which generates sound as a result of whatever information it receives at its MIDI IN connector. Among Roland products, the *SC-55 Sound Canvas* is probably the most well known sound module.

(*2) A sequencer is a device which is capable of recording and playing back MIDI messages. The *PR-1 Player&Recorder* is a representative example of a Roland sequencer. There is also the *MT-200*, which combines a sequencer and sound module in the same unit.

MIDI Connections



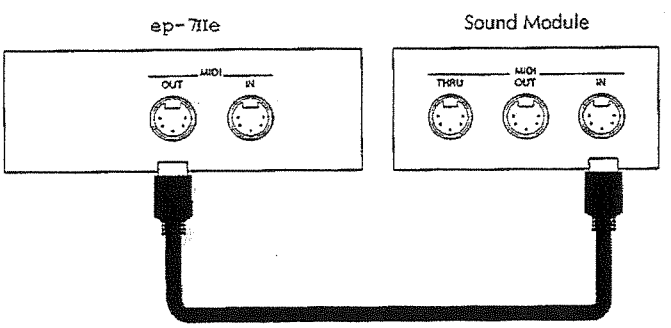
MIDI OUT
MIDI messages are transmitted from this connector. If you wish to use the ep-7IIe to play the sounds of another MIDI compatible unit, such as a sound module; or you want to send the information describing what you play to a sequencer for recording, connect a cable so it runs from here to the MIDI IN connector on the external device.

MIDI IN
This connector is where MIDI messages are received. If you wish to have the ep-7IIe played as a result of messages sent by a MIDI sequencer or other external unit, connect a cable so it runs from here to the MIDI OUT connector on the external device.

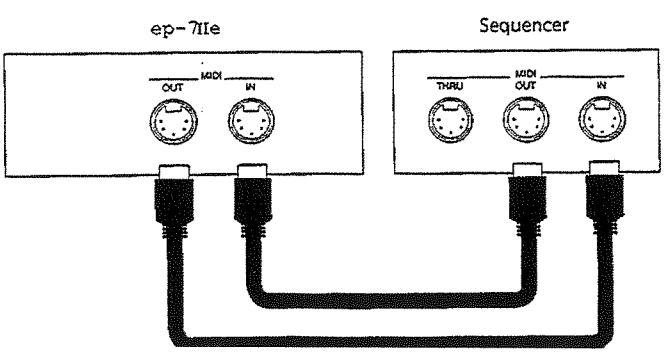
In order to make the connections between the connectors on two units, you will need to have at least one MIDI Cable. (MSC-15/25/50, sold separately.)

Example Setups

•Connecting a sound module (such as the Roland SC-55)



•Connecting a sequencer (such as the Roland PR-1 or MT-200)



1. Setting the MIDI Channel

MIDI communication takes place on separate channels (MIDI Channels), numbered from 1 through 16.
The channel used by the transmitting unit must match that the receiving unit. Only then can communication take place.

- In a setup where you wish to play the ep-7IIe and also have another MIDI-equipped instrument or sound module play the same notes, you should first set the channel used for reception on your external device to the same channel that you have the ep-7IIe set to use for transmission.
- If using another MIDI keyboard as a master instrument, and you wish to have the ep-7IIe played by it, you would need to set the channel used for reception on the ep-7IIe to the same channel that the master keyboard will be transmitting on.
- When wishing to have a sequencer play the ep-7IIe, you need to set the channel used for reception on the ep-7IIe to the same channel that the recorded MIDI data is set to use.

Each time the power is turned on, the unit defaults to "1" as the channel used for both transmission and reception. Should you wish to use other channels, hold down the appropriate group of 3 Voice buttons (shown below), while you then press the key corresponding to the desired channel.

2. Omni On/Off

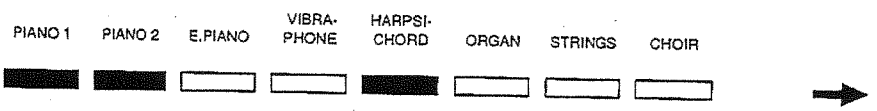
When set to "Omni On", MIDI messages received on any of the channels will result in sound being produced.

To turn this setting ON/OFF, hold down the 3 Voice buttons shown below while you then press the relevant key at position "2" in the illustration.

Each time the power is turned on, the instrument will be at "Omni Off."

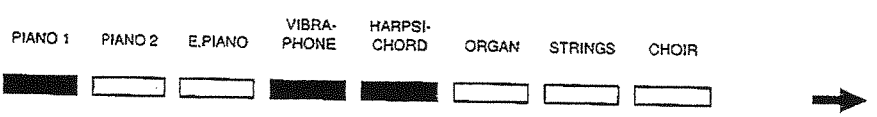
This setting switches to Omni Off whenever selection of a particular Receive channel is made.

• To Change MIDI Transmit Channel / Other Settings



While holding these down

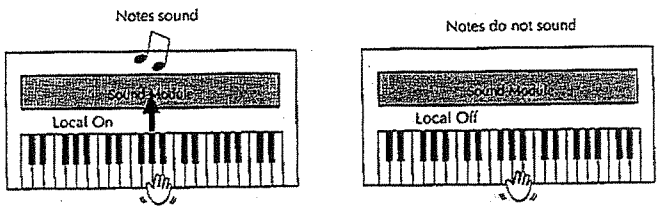
• To Change MIDI Receive Channel



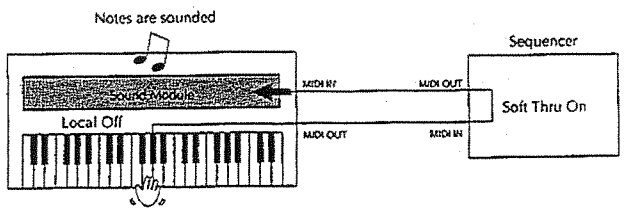
While holding these down.

3. Local On/Off

Ordinarily, whenever you play the ep-7IIe's keyboard, its internal sound sources will generate the notes you play. You can, however, disengage these sound generators if you do not wish the instrument itself to produce sound. When disengaged in this manner, the unit is set to what is known as "Local Off."



If connected to a sequencer for recording, and the sequencer is set to "Soft Thru On" (*1), you should set the instrument to "Local Off."



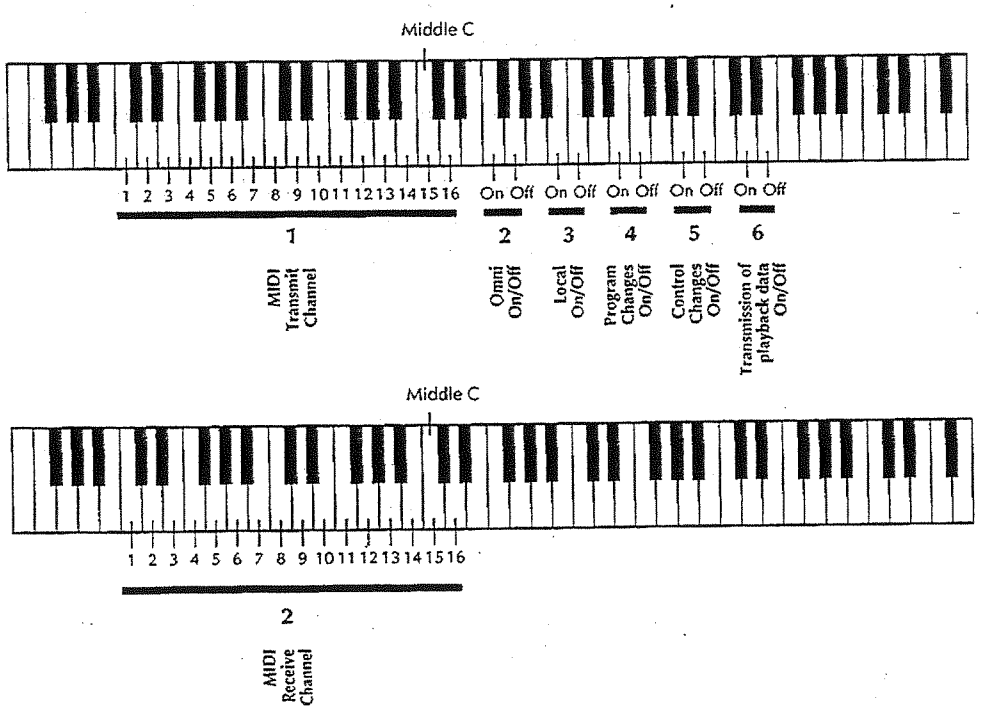
*1 Soft Thru On : A setting whereby all data that arrives at a sequencer's MIDI IN is passed on (in its original form) through its MIDI OUT.

When the ep-7IIe is set to "Local On," and it is connected to a sequencer that is set to "Soft Thru On" (*1), the resulting double-sounding notes (echo-like effect) can produce some strange results. This occurs because the ep-7IIe playes the notes twice: once directly from the keyboard itself and again as a result of MIDI messages received from the sequencer.

Some sequencers, such as the Roland MT-200, automatically send out a Local Off message whenever the power is turned on, so you are sure the connected instrument will already be at the appropriate Local Off setting. There are also sequencers (such as the Roland PR-1) which are ordinarily used while set to Soft Thru Off, so the instrument being used can be left at Local On.

The ep-7IIe will always be set at "Local On" whenever its power is turned on.

To turn this setting ON/OFF, hold down the 3 Voice buttons shown below while you then press the relevant key at position "3" in the illustration.



4. Turning Transmisson and Reception of Program Changes On/Off

Messages known as "Program Changes" are used to relay to another device the fact that you have changed the Voice being used.
The Program Change message itself consists of simply the number of the Voice you have changed to. When the other device receives this message, it will switch to whichever of its sounds corresponds to the number contained in the message.

Each time the power is turned on, the instrument will always be set to "On" (it will transmit/receive Program Change messages).
If you set it to "Off," the ep-7IIe will no longer send out Program Change messages when you change the Voice being used. Also, the ep-7IIe will then ignore any Program Change messages that are sent to it by an external unit, and will not change the Voice it is playing.
To turn this setting ON/OFF, hold down the 3 Voice buttons shown at below-left while you then press the relevant key at position "4" in the illustration.

The Voices and their corresponding Program Change numbers appear below:

Number	Voice
01	Piano1
02	Piano2
03	E.Piano
04	Vibraphone
05	Harpsichord
06	Organ
07	Strings
08	Choir
09	Piano1 + Piano2
10	Piano1 + E.Piano
11	Piano1 + Vibraphone
12	Piano1 + Harpsichord
13	Piano1 + Organ
14	Piano1 + Strings
15	Piano1 + Choir
16	Piano2 + E.Piano
17	Piano2 + Vibraphone
18	Piano2 + Harpsichord
19	Piano2 + Organ
20	Piano2 + Strings
21	Piano2 + Choir
22	E.Piano + Vibraphone
23	E.Piano + Harpsichord
24	E.Piano + Organ
25	E.Piano + Strings
26	E.Piano + Choir
27	Vibraphone + Harpsichord
28	Vibraphone + Organ
29	Vibraphone + Strings
30	Vibraphone + Choir
31	Harpsichord + Organ
32	Harpsichord + Strings
33	Harpsichord + Choir
34	Organ + Strings
35	Organ + Choir
36	Strings + Choir

5. Turning Transmisson and Reception of Control Changes On/Off

Messages known as "Control Changes" are used to convey to another device information about the instances where you have pressed a pedal, or have turned ON/OFF the Chorus or Reverb effects.

When the Damper Pedal has been pressed/released:
Hold Message (Control Change Number 64)
When the Soft Pedal has been pressed/released:
Soft Message (Control Change Number 67)
When Reverb has been switched On/Off:
Reverb Message (Control Change Number 91)
When Chorus has been switched On/Off:
Chorus Message (Control Change Number 93)

Each time the power is turned on, the instrument will always be set to "On" (it will transmit/receive all Control Change messages).
If you set it to "Off," the ep-7II will no longer send or receive any Control Change messages.
To turn this setting ON/OFF, hold down the 3 Voice buttons shown below while you then press the relevant key at position "5" in the illustration.

6. Turning Transmisson of Playback Data On/Off

This setting can be turned "On" when you wish the data contained in the recorder to be output from MIDI OUT while it is played back.

Each time the power is turned on, this setting will always be at "Off."
To turn the setting ON/OFF, hold down the 3 Voice buttons shown below while you then press the relevant key at position "6" in the illustration.

Digital Piano
MODEL ep-7IIe

MIDI Implementation Chart

Date : March 1993
Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1	1	
	Changed	1-16	1-16	
Mode	Default	Mode 3	Mode 3	
	Messages	Omni Off, Poly	o	
	Altered	********	*2	
Note Number	True Voice	28-103	0-127	
		********	21-108	
Velocity	Note ON	o 9n v=1-127	o 9n v=1-127	
	Note OFF	o 8n v=1-127	x	
After Touch	Key's	x	x	
	Ch's	x	x	
Pitch Bend		x	x	
Control Change	64	o *1	o *1	Hold 1
	67	o *1	o *1	Soft Pedal
	91	o *1	o *1	Effect 1 (Reverb)
	93	o *1	o *1	Effect 2 (Chorus)
	121	x	o	Reset All Controllers
Prog Change	True #	*1 (0-35)	*1 (0-35)	
		********	0-35	
System Exclusive		x	x	
System Common	Song Pos	x	x	
	Song Sel	x	x	
	True	x	x	
System Real Time	Clock	x	x	
	Commands	x	x	
AUX Messages	Local ON/OFF	x	o	
	All Notes OFF	x	o	
	Active Sense	o	o	
	Reset	x	x	
Notes		*1 Able to chose between o and x. *2 Recognize as Mode 3 even if MONO (M=1). Recognize as Mode 1 even if MONO (M≠1).		

Mode 1 : OMNI ON, POLY
Mode 2 : OMNI ON, MONO
Mode 3 : OMNI OFF, POLY
Mode 4 : OMNI OFF, MONO

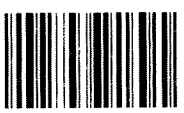
o : Yes
x : No

Roland®

Roland®

11001

UPC 11001



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