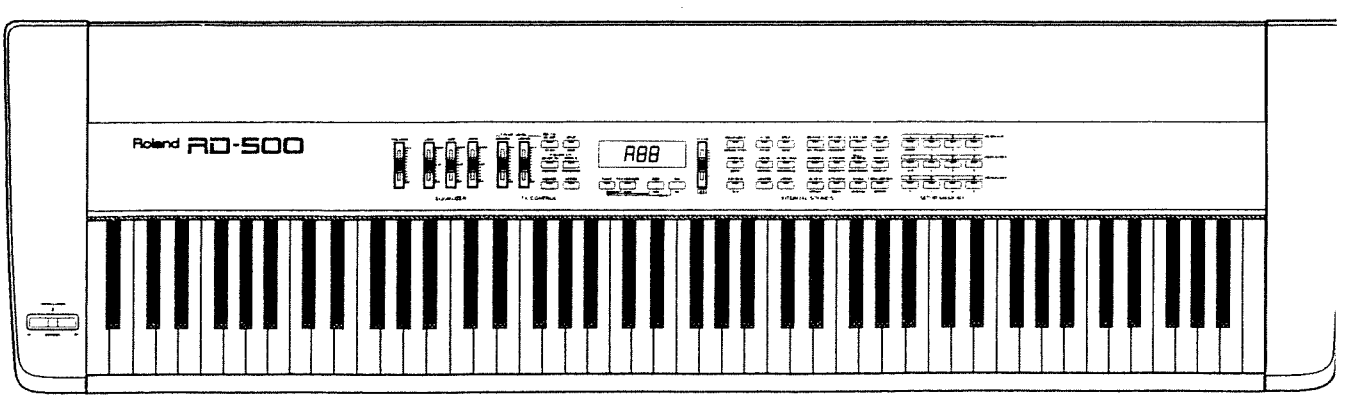
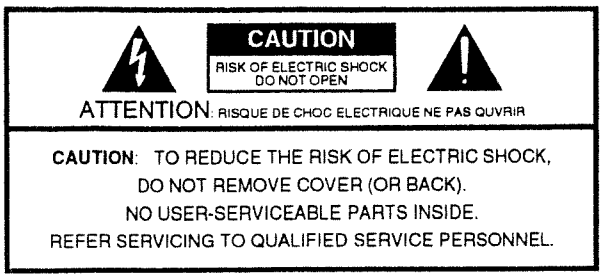
Roland®

RD-500

OWNER'S MANUAL







The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

WARNING - When using electric products, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should be used only with a cart or stand that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
8. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
9. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
10. The product should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled onto the product; or
    C. The product has been exposed to rain; or
    D. The product does not appear to operate normally or exhibits a marked change in performance; or
    E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

For the USA

This product may be equipped with a polarized line plug (one blade wider than the other) . This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.

For Canada

For Polarized Line Plug

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

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.

■ INTRODUCTION

Thank you for purchasing the Roland RD-500 Digital Piano. To ensure proper operation and years of trouble-free service, please read this owner's manual carefully.

■ FEATURES

●The RD-500 features a total of 121 high-quality Tones, including several classic piano sounds. Sounds include Organs, Strings and Synthesizers, plus Bass and Percussion sounds in addition to Grand Pianos and Electric Pianos.

●The inclusion of a special 'hammer-action' keyboard produces a virtual acoustic piano experience!

●Two sets of outputs (FIXED OUT/LINE OUT) make a variety of mixing, signal processing and monitoring functions possible.

●Digital Reverb and Chorus plus an analog, 3-band Equalizer add function and versatility.

●Simple Tone editing functions make the creation of original sounds a breeze.

●Two independent control sections are provided: Internal Sounds and TX (Transmit) Control. The Internal Sounds Section controls on-board functions, while the TX Control Section controls external MIDI devices.

●Split and Layer Key Modes are available. With these functions keyboard splits and layered sounds are easily obtained.

●With its full compliment of MIDI functions, the RD-500 is ideally suited as a master keyboard controller.

●The RD-500 includes 32 Setup Memories (memory locations) in which you can store original settings.

●The Multi Timbral mode allows the RD-500 to function as an 8 Part, multi-timbral sound module.

●The light-weight, compact design makes the piano ideal for stage use.

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Table Of Contents

Panel Descriptions 6
Important Notes 8

Playing the RD-500 9
- ■ CONNECTIONS 9
- ■ Power On! 9
- ■ Adjusting the volume 10
- ■ The Equalizer 10
- ■ Pitch Bend 10

Listening to the Demonstration Songs 11

Using the RD-500 as a Digital Piano

— How to operate the Internal Sounds Section —

Basic Operation 14
- ■ INT LOWER and INT UPPER Parts 14
- ■ Selecting Tones 14
- ■ The Layer Mode 16
- ■ The Split Keyboard 18
- ■ Part Volume 20
- ■ Master Tuning 20
- ■ The Transpose Function 21
- ■ Chorus and Reverb 21

EDITING 22
- ■ About the Setup Memory 22
- ■ Basic Editing Procedure 23
- ■ Key Touch 26
- ■ Internal Transpose 26
- ■ Setting the Pedal/C1 Slider 27
- ■ On/Off of the Controllers 28
- ■ Effect Settings 29
- ■ Setting the Detune Pitch 30
- ■ Tone Setting 31
- ■ Setting the Bend Range 32

Recording/Playback on a Sequencer 33
- ■ Connecting a Sequencer 33
- ■ How to set the RD-500 33

Using the RD-500 as a MIDI Master Keyboard

— The TX CONTROL Section —

OUTLINE 38
- Setup with an external MIDI Sound Module 38
- MIDI Channels 38
- INSIDE THE RD-500 39

OPERATION 41
- The TX LOWER/TX UPPER Parts 41
- Adjusting the Volume of an External MIDI Sound Module 41
- Setting the MIDI Transmit Channel 42
- Playing two sound modules in different keyboard sections — SPLIT 42
- Changing sounds in the external MIDI sound module 43
- Controlling an External Sound Module using the Pedal/C1 Slider 45

The RD-500 and an External Sound Module — Controlling 4 Parts —

OPERATION 48
- Turning the Parts ON/OFF 48
- Controlling the Volume 49
- Setting the Key Zone 49
- Setting Transposition 51

Other Useful Functions of the RD-500

- Position Indicators 54
- Sending RD-500 Data to a Sequencer — Bulk Dump 54
- Multi-Timbral Mode 55
- Panic function 58
- To retrieve the Factory Settings for all the Setup Memories 58

Reference

TROUBLESHOOTING 60
MIDI Impremention Chart 62
SPECIFICATIONS 63
INDEX 64

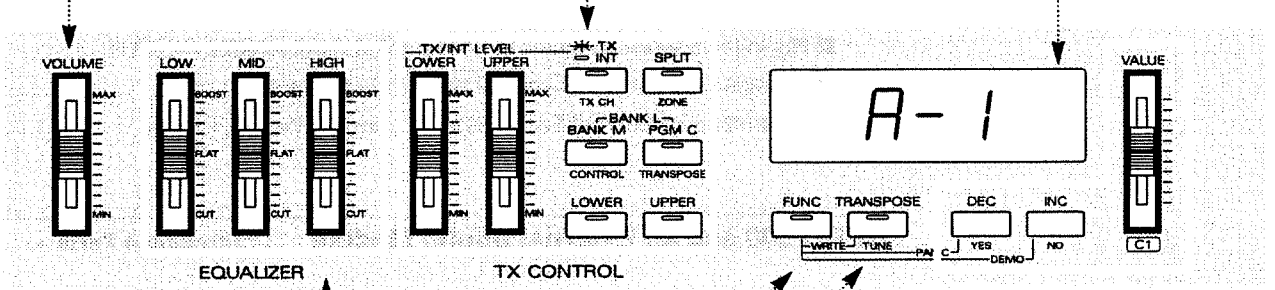
Panel Descriptions

■ Front Panel

Volume Slider (page 10)
This adjusts the overall volume of the RD-500.

Display
This shows the number of the Setup Memory or value currently selected.

TX CONTROL (Transmit Control) Section (page 35)
This allows you to make the settings for controlling the external MIDI sound module connected to the RD-500.



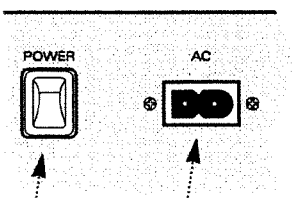
3 Band Equalizer (page 10)
This controls the tone of bass(LOW), middle(MID) and treble(HIGH).

FUNC Button (page 22)
This selects the Normal Playing mode (the indicator is dark) or the Function mode (the indicator is lit) that allows you to edit the settings.

TRANSPOSE/TUNE Button (page 19)
This button is used for making the setting for the Transpose or tuning

DEC/INC Buttons / VALUE Slider (page 23)
These are used for editing values. The VALUE slider is used as a C1 slider in the normal playing mode, controlling the internal sound source or the external MIDI sound module. (→page 27, 45)

■ Rear Panel

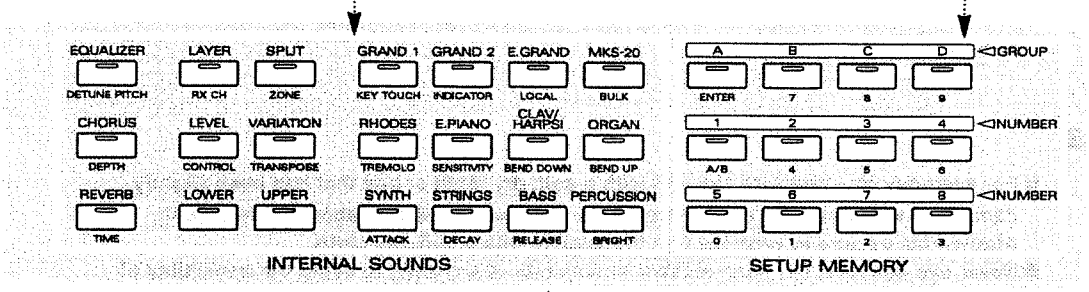


POWER Switch
This switches on or off the unit.

AC Inlet
Connect a power cord to this socket. the model with 117V specifications has the power cord directly attached here.

INTERNAL SOUNDS Section (page 13)
This section allows you to control the internal sound source. In the Function mode, the same section edits the settings of effects and tone.

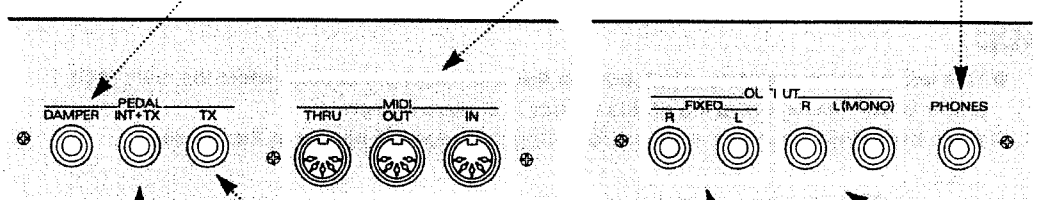
Setup Memory/Numerical Keys (page 22, 25)
This allows you to write/recall any setting you have made by using various parameters. These keys can be used as numerical keys for entering values.
* The Basic Setting is written in A-1 Memory and therefore cannot be rewritten.



DAMPER PEDAL Jack
By connecting an optional pedal switch (DP-2 or DP-6) to this jack, it will function as a damper (sustain) pedal.

MIDI Connectors
These are for connecting a MIDI device.

PHONES Jack
Connect stereo headphones to this jack. Even when headphones are connected, audio signals are output through the OUTPUT and FIXED OUTPUT jacks.



TX PEDAL Jack (page 27,45)
Connect an optional expression pedal (EV-5, etc.) or pedal switch to this jack, and you can send the Volume or Pan information generated by the pedal to the MIDI OUT connector. When the MIDI OUT connector is not being used, this jack controls the RD-500.

OUTPUT R/L(MONO) Jacks
Connect a keyboard amplifier, mixer or power amplifier to these jacks. If you require a monaural output, use the L(MONO) jack.

INT+TX PEDAL Jack (page 27,45)
By connecting an optional expression pedal (EV-5, etc.) or pedal switch to this jack, you can control the volume or pan (sound positioning) using the pedal. When a pedal is not connected to the TX PEDAL jack, Volume and Pan information is output to MIDI OUT at the same time.

FIXED OUTPUT R/L Jacks
These jacks are to be connected to either a mixer or to an effects processor (and then a mixer). In either case, the mixer can then be used to provide precise control over the RD-500's output. Moving the VOLUME slider or the EQUALIZER sliders on the piano does not affect the output from the FIXED OUTPUT jacks.

Important Notes

In addition to the items listed under Safety Precautions inside the front cover, please read and observe the following:

Power Supply

- **Before connecting this unit to other devices, turn off the power to all units; 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; an electric motor or variable lighting system for example.**

Placement

- **Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum.**
- **This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.**

Maintenance

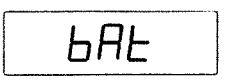
- **For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.**
- **Never use benzene, thinners, alcohol or solvents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

Additional Precautions

- **Protect the unit from strong impact.**
- **Never strike or apply strong pressure to the display.**
- **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.**

Memory Backup

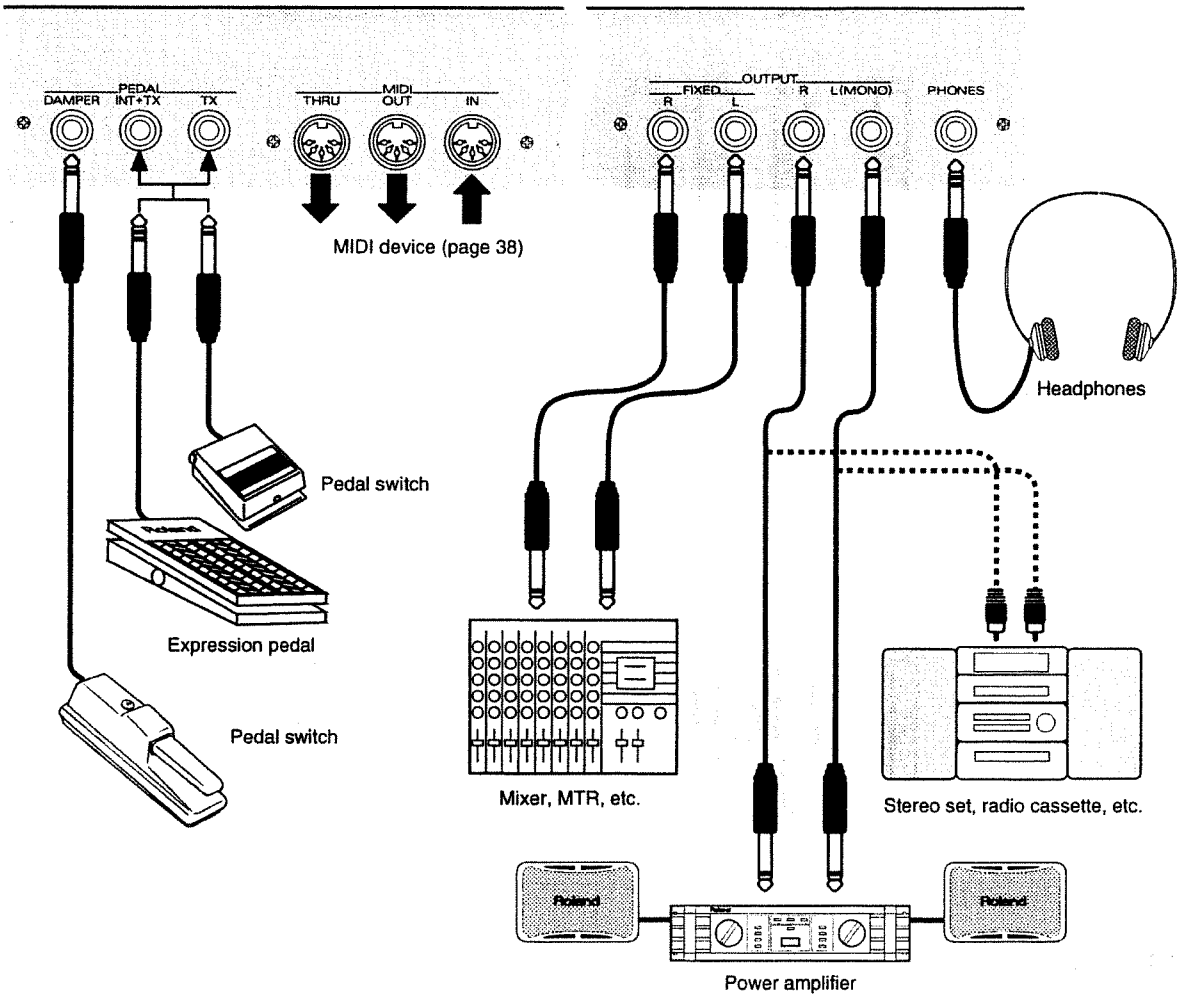
- **This unit contains a battery which powers the unit's memory circuits while the main (AC) power is off. The expected life of this battery is 5 years or more.**
- **When the battery becomes weak the following message will appear in the display:**



Please change the battery as soon as possible to avoid the loss of memory data.

- **Please be aware that the contents of memory may at times be lost; when the unit is sent for repairs or when by some chance a malfunction has occurred. Important data should be stored in another MIDI device (eg., a sequencer), or written down on paper (if possible).**
- **During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data.**

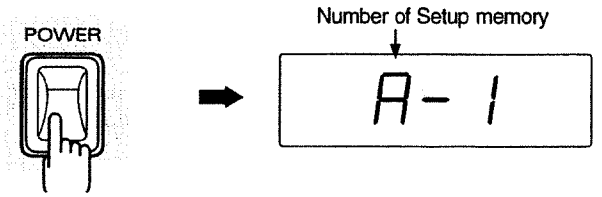
■ CONNECTIONS



■ Power On!

Make sure that the volume on the connected amplifier, mixer or stereo set is set to its minimum level, then turn on the RD-500.

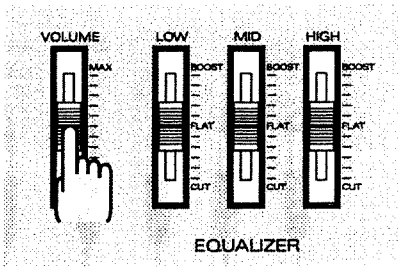
The following display appears :



** Since the unit is equipped with a circuit protection device, it will be muted for a few seconds even after it is switched on.*

■ Adjusting the volume

As you play the piano, set an appropriate volume with the VOLUME slider.

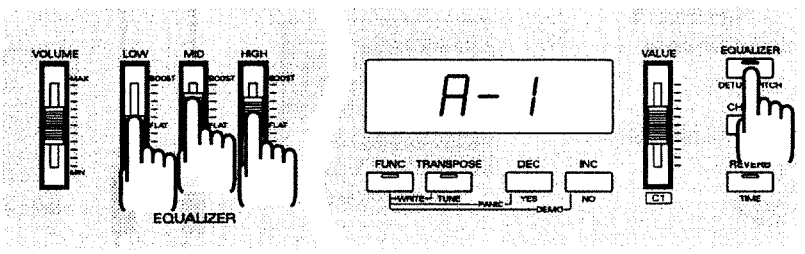


■ The Equalizer

The RD-500 features a 3 band Equalizer.

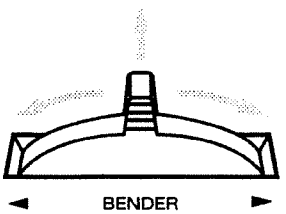
Press the EQUALIZER button (be sure the button indicator lights). Now, you can adjust the bass, middle and treble frequencies with the LOW, MID and HIGH sliders respectively.

** When the indicator on the EQUALIZER button is dark, the Equalizer is not active.*



■ Pitch Bend

Moving the lever to the right (left) raises (lowers) the pitch. Pushing it forward creates a modulation effect.

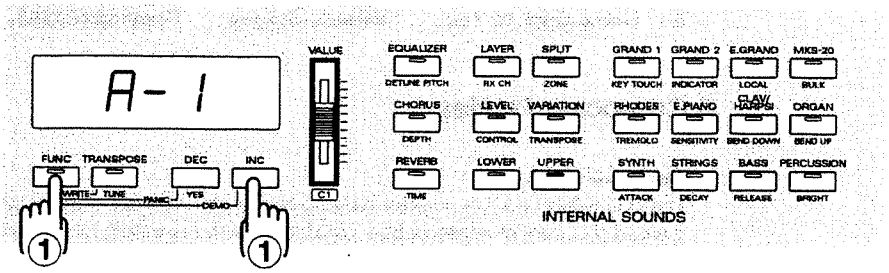


** The maximum pitch change created by the lever can be set for each Tone. For a detailed explanation about how to set this function, refer to page 32.*

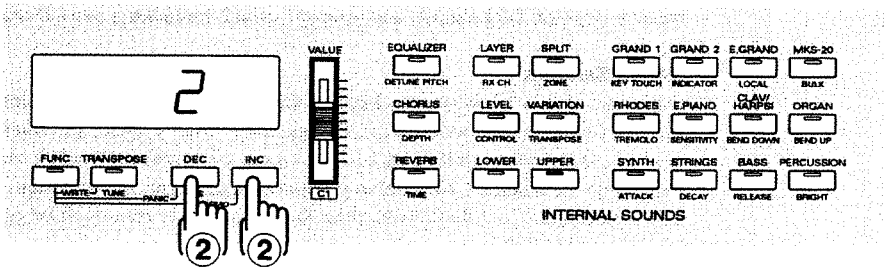
Listening to the Demonstration Songs

Several demo songs are permanently stored in the RD-500's memory. These songs were written to highlight the piano's great sounds and performance capabilities. To hear these songs, follow this procedure:

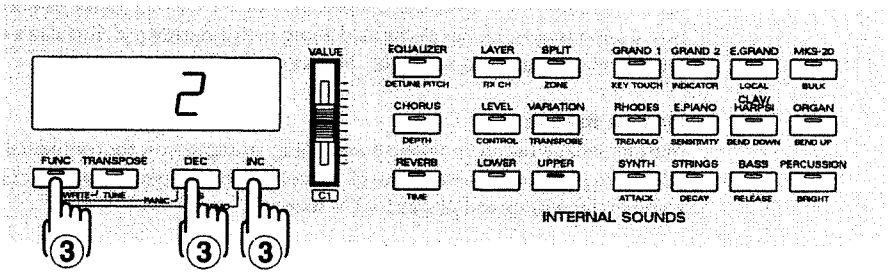
1. Press the FUNC and DEC buttons simultaneously.



2. Select a demo song you wish to hear using the INC/DEC buttons.
It will start playing in a few seconds.



3. To change to a different demo song, press the INC/DEC buttons.
To stop playing, press the FUNC button.



* ***During demo song play, none of the instrument's controls will function except for the abore buttons and the VOLUME slider.***
* ***Demo song performance data is not output through MIDI OUT.***

● Demo Song List

1.	**RD-Demo**	**David Goldblatt**	**Copyright©1993, David Goldblatt Music**
2.	**These-Keys**	**Marvin Sanders**	**Copyright©1993, Marvster Music**
3.	**On The Road**	**Adrian Scott**	**Copyright©1993, Adrian Scott**
4.	**Going Back to You**	**Mitsuru Sakaue**	**Copyright©1993, Roland**

● Composer Profiles

David Goldblatt

David Goldblatt is a Los Angeles based composer/keyboardist who has performed and recorded with a broad spectrum of artists such as Tribal Tech with Gary Willis and Scott Henderson, Stanley Clarke, Dizzy Gillespie , Wayne Shorter, Joe Sample, etc..
David's compositions were featured on two Tribal Tech CDs and Brandon Fields latest CD. He is heard on many TV shows and movies, such as Jodie Foster's "Little Man Tate," as a session artist. He has written and arranged for TV shows, jingles, and various productions in all sectors of the music industry, including musical director for various TV shows and a 1989 world tour with Diana Ross, as musical director, keyboardist, and arranger, which included a live CD and a concert video for HBO.

Marvin Sanders

Marvin Sanders is a Los Angeles-based composer whose music can be heard on projects for clients such as Toyota, Acura, Max Factor, Disney, Intel, Brian Wilson, and Michael Jackson. He has worked extensively with Roland, both as former US Keyboard Product Manager, and as an independent consultant involved in product development, sound design, and international demonstrations. Contributions to other Roland products include ROM-plays in the JD-990, JV-880, SC-155, and U-220.

Adrian Scott

Adrian Scott formerly handled the vocals and keyboards for the popular Australian group, "Air Supply." Since following the solo path, he won the Silver Prize at the "World Song Festival Tokyo '84." Currently, he is involved as a producer of commercial music and music for films. In addition, as a session player, he has performed along with a number of Australia's top musicians, including John Farnham and Kylie Minogue. He lives in Melbourne, Australia.

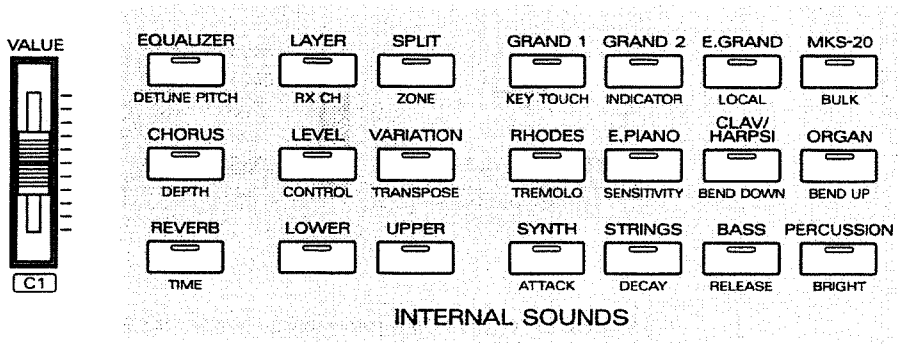
Mitsuru Sakaue

Mitsuru Sakaue began composing and doing arrangements for commercials and videos while still in school. In particular, his studio work earned for him a solid reputation. Currently, he produces commercial musics and jingles for FM stations.

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Using the RD-500 as a Digital Piano

How to operate the Internal Sounds Section

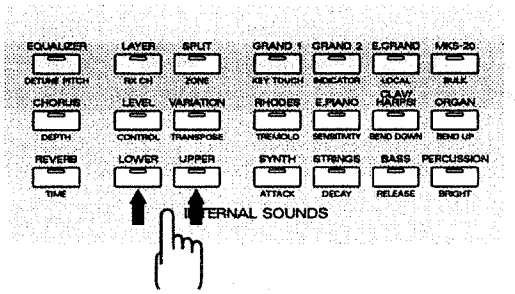


Basic Operation

■ INT LOWER and INT UPPER Parts

When you play the RD-500, you can use one (or both) of the available Parts: INT LOWER and INT UPPER.

To use the INT LOWER Part, press the LOWER button (be sure the corresponding indicator lights).
To use the INT UPPER Part, press the UPPER button (again confirm that the corresponding indicator lights).

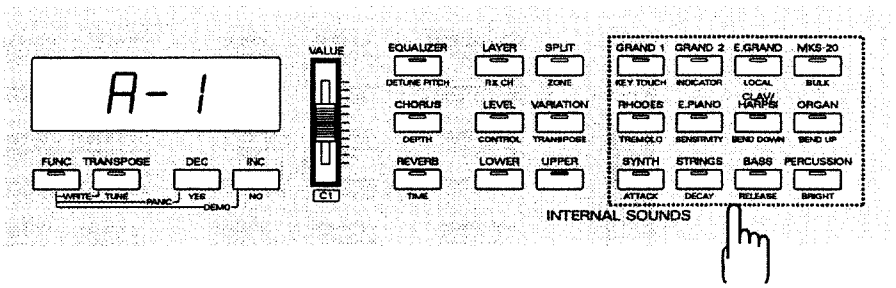


**** The INT UPPER Part is automatically selected every time the RD-500 is turned on.***

■ Selecting Tones

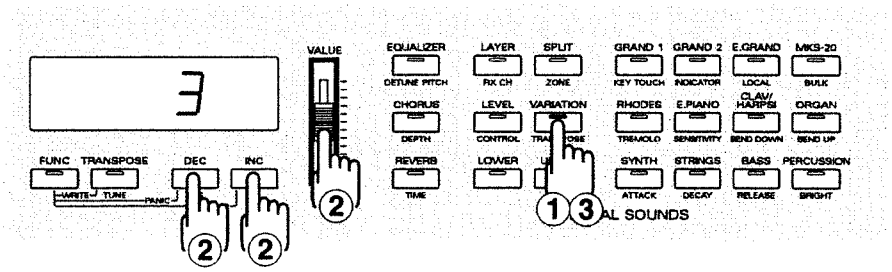
The RD-500's Tones (sounds) are divided into 12 Tone Groups (e.g. GRAND 1, E.GRAND, etc.).

Press a Tone Selection button (in the INTERNAL SOUNDS section) to select the desired Tone Group.
(The corresponding indicator will light.)



Once you have selected the Tone Group, you can choose a Tone within that Group.

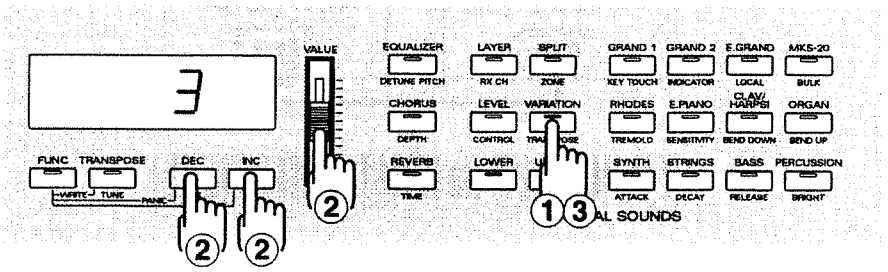
● When the INT UPPER Part is selected



1. Press the VARIATION button (the indicator will light).
The UPPER button indicator will flash. (If it doesn't, press the UPPER button.)

2. **Using the INC/DEC buttons or the VALUE slider, select the Tone number you want.**
3. **Press the VARIATION button again (the indicator will go out).**

● When the INT LOWER Part is selected



1. **Press the VARIATION button (the indicator will light).**
   The LOWER button indicator will flash. (If it doesn't, press the LOWER button.)
2. **Using the INC/DEC buttons or the VALUE slider, select the Variation number you want.**
3. **Press the VARIATION button again (the indicator will go out).**

* ***Even when the VARIATION button is lit, you can change Tone Groups using the Tone Selection buttons.***

For information on the RD-500's Preset Tones, refer to Tone List.

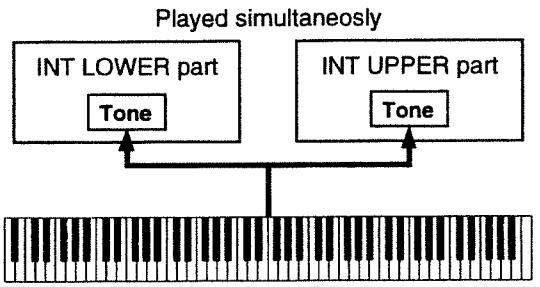
* ***For some Tones the keyboard range is limited, or they are out of tune in a certain range, or the pitch does not change at all.***

About the Maximum Polyphony

The RD-500 is 28 voice polyphonic, but the actual number of voices that can be played simultaneously differs depending on the Tones currently used.
Some Tones consist of two or more voices (Parts) so that the created sound will be more integrated. For instance, playing a Tone made of two voices will automatically use two voices, reducing the maximum polyphony to 14 voices. In the Layer mode (page 16), the maximum polyphony will be reduced even more, because two Tones are simultaneously played in this mode. The supplied Tone List shows all the Tones stored in the RD-500 and the number of voices used in each Tone.

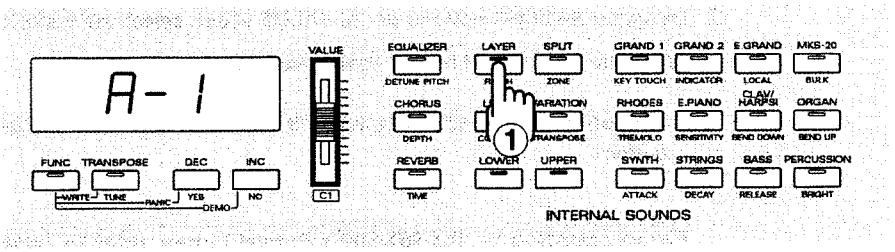
■ The Layer Mode

The RD-500 allows you to play two Tones at the same time. This can be achieved using the Layer Mode.



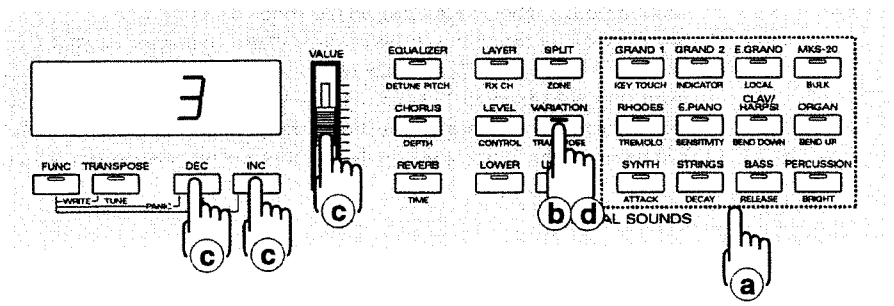
1. Select the Layer mode.

Press the LAYER button (the indicator will light).
The indicators on both the LOWER and UPPER buttons will light.



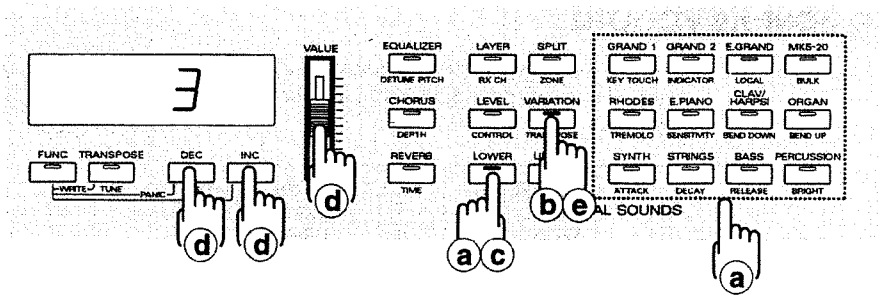
2. Select a Tone for the INT UPPER Part.

a. Press a Tone Selection button to choose a Tone Group.
b. Press the VARIATION button (the indicator will light).
c. While the UPPER button is flashing, select a Tone number with the INC/DEC buttons or the VALUE slider.
d. Press the VARIATION button again (the indicator will go out).



3. Select a Tone for the INT LOWER Part.

a. While holding down the LOWER button, press a Tone Selection button to select a Tone Group. When only the LOWER button is lit, you can select the Tone Group by simply pressing the relevant Tone Selection button.
b. Press the VARIATION button (the indicator will light).
c. Press the LOWER button (the indicator will flash).
d. Select the Tone number you want using the INC/DEC buttons or the VALUE slider.
e. Press the VARIATION button again (the indicator will go out).



* ***Even after pressing the VARIATION button, you can change Tone Groups by using Tone Selection buttons.***

* ***If you press two Tone Selection buttons while the LAYER button is being lit, the Tone pressed earlier will be assigned to the INT UPPER Part, while the Tone pressed later will be assigned to the INT LOWER Part.***

* ***Pressing two Tone Selection buttons (press and hold the first button and then press the second) will also select the Layer mode. The Tone selected first is assigned to the INT UPPER Part.***

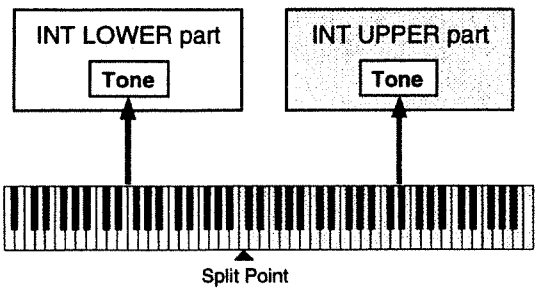
● The Detune Function

If you select the same Tone for both the INT LOWER and INT UPPER Parts in the Layer mode, a subtle pitch difference will be created between them. This will create a spacious (almost chorus-like) effect.

* ***You can set the amount of 'detune' for each Tone. For a detailed explanation about how to do this, see page 30.***

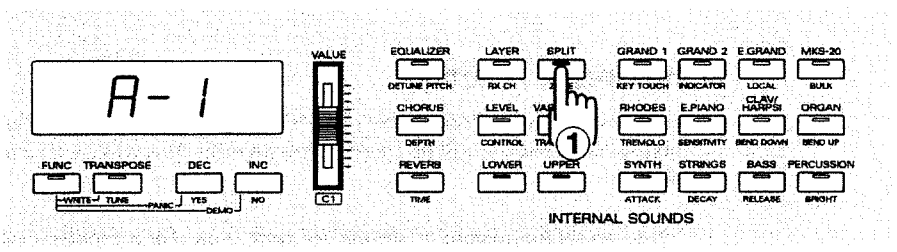
■ The Split Keyboard

The RD-500 allows you to split (divide) the keyboard into two sections and assign a different Tone to each. This is called the Split mode, and the division between the two keyboard sections is called the Split Point.



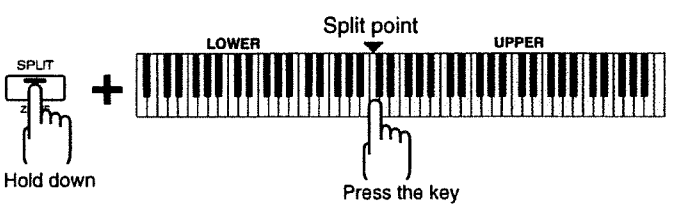
1. Select the Split mode.

Press the SPLIT button (the indicator will light).
Both the LOWER and UPPER buttons will also light.



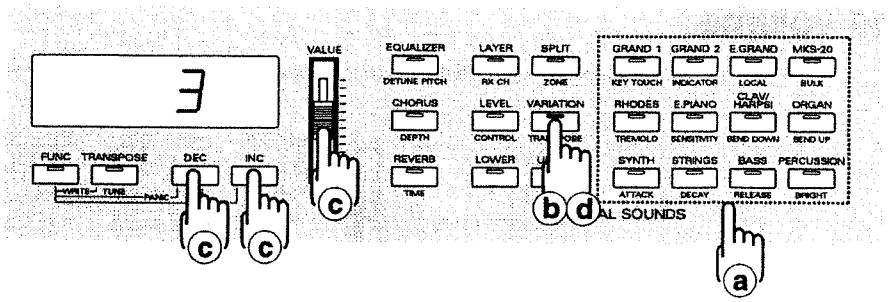
2. Set the Split Point.

While holding down the SPLIT button, press the key you wish to be the Split Point. The INT LOWER Part Tone will be assigned to the keys to the left of the Split Point (the Lower section), and the INT UPPER Part Tone will be assigned to the Upper section of the keyboard.



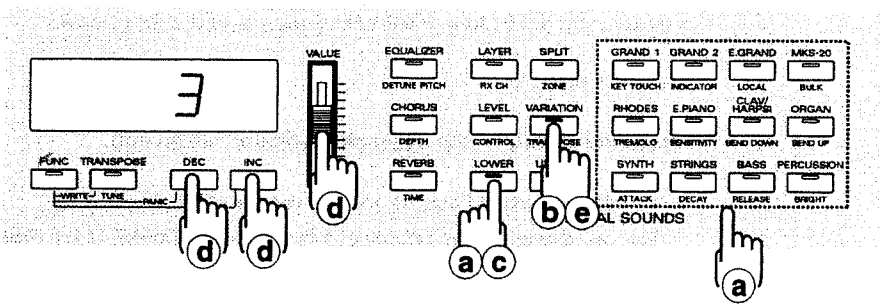
3. Select a Tone for the INT UPPER Part.

a. Press a Tone Selection button to select a Tone Group.
b. Press the VARIATION button (the indicator will light).
c. While the UPPER button is flashing, choose the Tone number you want using the INC/DEC buttons or the VALUE slider.
d. Press the VARIATION button again (the indicator will go out).



4. Select the Tone for the LOWER Part.

a. While holding down the LOWER button, press a Tone Selection button to select a Tone Group.
When only the LOWER button is lit, you can select the Tone Group by simply pressing the relevant Tone Selection button.
b. Press the VARIATION button (the indicator will light).
c. Press the LOWER button (the indicator will flash).
d. Select the Tone number you want using the INC/DEC buttons or the VALUE slider.
e. Press the VARIATION button again (the indicator will go out).



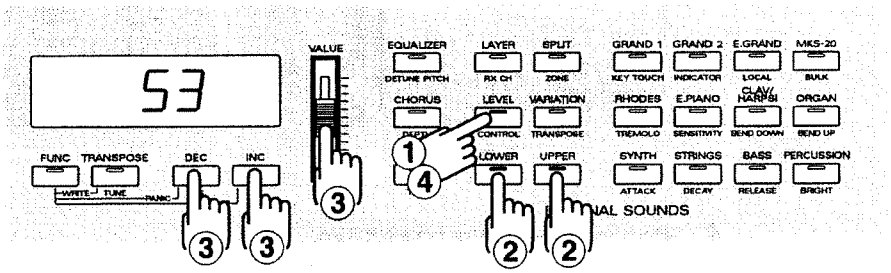
** Even after pressing the VARIATION button, you can change Tone Groups by using Tone Selection buttons.*

** If you press two Tone Selection buttons while the SPLIT button is being lit, the Tone pressed earlier will be assigned to the INT UPPER Part, while the Tone pressed later will be assigned to the INT LOWER Part.*

When the Key Zone is set, you can spontaneously select the key zone where you wish to assign the INT LOWER/INT UPPER Parts. For a detailed explanation, see page 49.

■ Part Volume

The RD-500 provides independent volume control for the INT UPPER and INT LOWER Parts.



1. **Press the LEVEL button (the indicator will light).**

2. **Press the LOWER button if you want to adjust the volume of the INT LOWER Part, or the UPPER button for the INT UPPER Part.**

3. **Adjust the volume of the selected Part.**
   Use the INC/DEC buttons or the VALUE slider to adjust the volume.

   Volume Range : 0 — 127

4. **Press the LEVEL button again (the indicator will go out).**

   * ***To adjust the overall volume, use the Volume slider. (→ page 10)***
   * ***You can also adjust the volume of a Part using the TX/INT LEVEL sliders. (→ page 49)***

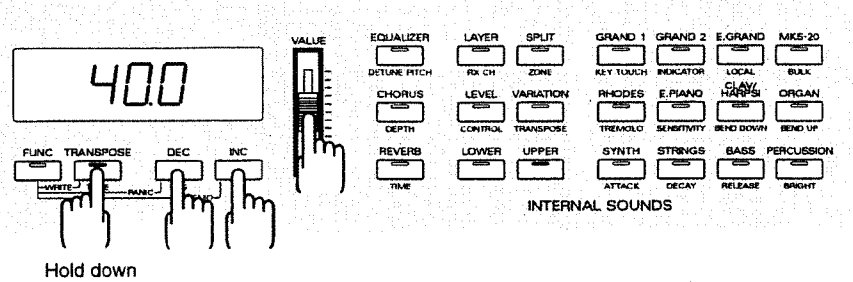
■ Master Tuning

You can tune the RD-500 to match the pitch of other instruments, singers, or recorded music.

While holding down the TRANSPOSE button, set the pitch using the INC/DEC buttons or the VALUE slider.

Tuning Range : 427.4 — 452.6 Hz (displayed as 27.4 — 52.6)

Because of the RD-500's display, only three digits at a time can be shown. Therefore, when the display reads "40.0," for example, it really means 440.0; the first digit has been left off. This is the pitch of the note A4.

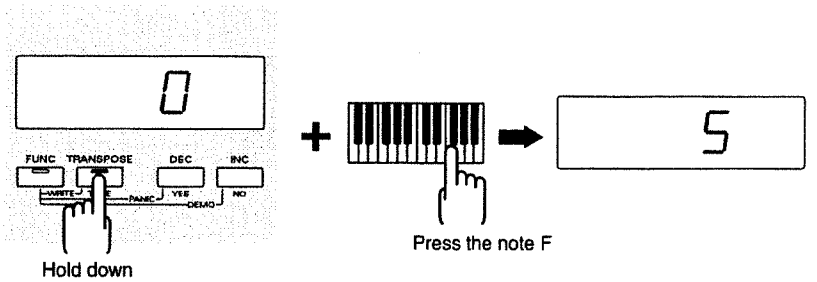


* ***Playing the keyboard while holding the TRANSPOSE button down will automatically set a Transpose value. If you wish to do the tuning as you play the keyboard, be sure to use the INC/DEC button or the VALUE slider first without releasing the TRANSPOSE button down, then play the keyboard.***

■ The Transpose Function

The Transpose function allows you to shift the pitch of the entire keyboard. This allows you to play a difficult song (one with lots of sharps or flats) using the fingering of C Major!
For example, if you want to transpose the keyboard to the key of F Major:

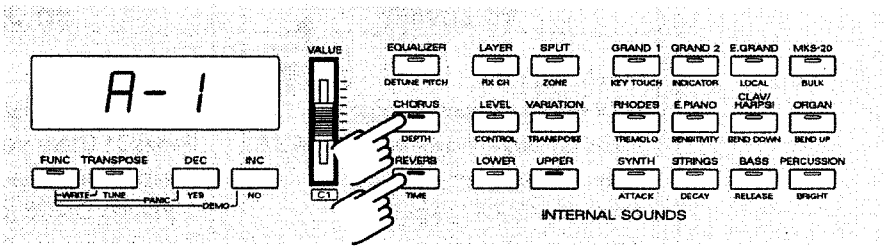
While holding down the TRANSPOSE button, press the note F. Now when you play a C Major scale, you'll actually hear the notes of the F Major scale!



To cancel the transposition
Press and hold the TRANSPOSE button and press the note C.
When the TRANSPOSE button is dark, any Transpose setting will be invalid.

■ Chorus and Reverb

The Chorus and Reverb effects of the RD-500 can really enhance your music. Chorus creates the illusion of several instruments playing together, while Reverb recreates the spacious sound of playing in a concert hall.



* ***The following table shows how the REVERB and CHORUS buttons function and affect the LOWER/UPPER Parts.***

	LOWER button	UPPER button	Chorus / Reverb settings	CHORUS button	REVERB button
When both LAYER/SPLIT buttons are turned off	dark	lit	*1	*3	Turns on or off the Reverb of all the parts.
	lit	dark	*2	*4	
When either or LAYER/SPLIT buttons is turned on	lit	lit	*1	*3	
	dark	lit	*1	*3	
	lit	dark	*1	*4	
	dark	dark	*1	*3	

*1 : The Chorus/Reverb setting of the INT UPPER Part is effective.
*2 : The Chorus/Reverb setting of the INT LOWER Part is effective.
*3 : Turns on or off the Chorus of the INT UPPER Part.
*4 : Turns on or off the Chorus of INT LOWER Part.

* ***The Chorus On/Off setting, and the depth of the Chorus and Reverb effects can be set for each Tone Group. (→ page 23,29)***

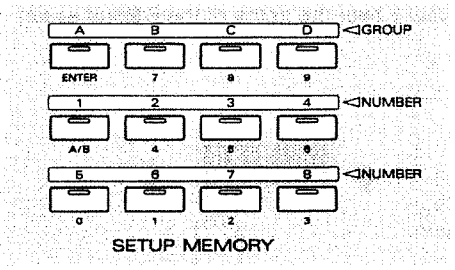
The Reverb On/Off setting can be set for each Setup Memory. (→ page 22)

EDITING

The RD-500 allows you to edit (change) the Preset Tones to your liking.

■ About the Setup Memory

Any edited data you create will automatically be erased when the RD-500 is turned off. That is, unless you save your edited changes in memory. To do so you must use the "Write" operation.



32 Setup Memories are available in four Groups (A — D), with eight Numbers (1 —8) per Group. However, Group A/Number 1 contains a basic setting that cannot be overwritten. Therefore, the actual number of available Setup Memories is 31. The following data can be stored in each such Setup Memory.

Layer (page 16) or Split (page 17, 42)
Reverb On/Off (page 21)
Key Touch (page 26)
Local On/Off (page 34)
Position Indicator (page 54)
Multi-timber (page 55)

Tone Setting : 12 types

INT LOWER

Level (page 19) **Tone**
MIDI Receive Channel (page 34)
Pedal/C1 Slider Assignment (page 27)
Internal Transpose (page 26)
Controller On/Off (page 28)
Key Zone (page 49)

INT UPPER

Level (page 19) **Tone**
MIDI Receive Channel (page 34)
Pedal/C1 Slider Assignment (page 27)
Internal Transpose (page 26)
Controller On/Off (page 28)
Key Zone (page 49)

TX LOWER

Level (page 41)
Bank Select MSB (page 44)
Bank Select LSB (page 44)
Program Change (page 43)
MIDI Transmit Channel (page 42)
Transmit Transpose (page 51)
Pedal/C1 Slider Assignment (page 45)
Key Zone (page 50)

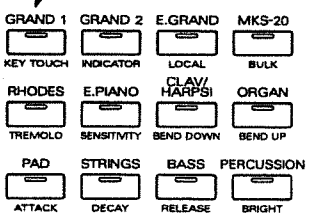
TX UPPER

Level (page 41)
Bank Select MSB (page 44)
Bank Select LSB (page 44)
Program Change (page 43)
MIDI Transmit Channel (page 42)
Transmit Transpose (page 51)
Pedal/C1 Slider Assignment (page 45)
Key Zone (page 50)

To control an external MIDI device connected to the RD-500, you must set the parameters in the TX LOWER/UPPER Parts. For a detailed explanation about this, refer to "Using the RD-500 as a MIDI Master Keyboard".

One Tone setting is written into each Tone Selection location (button) and 12 different Tone settings are written into a Setup Memory. That is, 12 x 31 = 372 different Tone settings can be written into the RD-500.

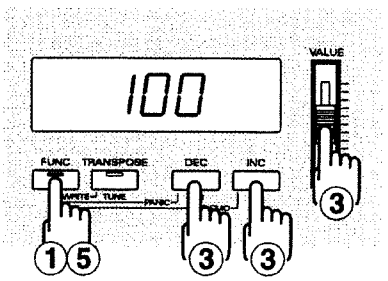
Tone Settings	
Variation Number (page 14)	Detune Pitch (page 30)
Chorus On/Off (page 21)	Attack (page 31)
Chorus Depth (page 30)	Decay (page 31)
Chorus Rate (page 30)	Release (page 31)
Reverb Level (page 30)	Bright (page 31)
Reverb Time (page 30)	Velocity Sensitivity (page 31)
Tremolo Depth (page 30)	Bend Range Down (page 31)
Tremolo Rate (page 30)	Bend Range Up (page 31)



** To store RD-500 data on an external device (such as a sequencer), execute a "Bulk Dump" (page 54).*

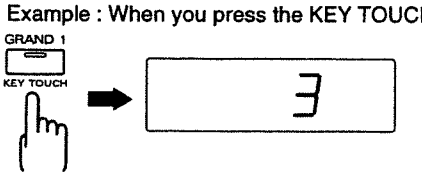
■ Basic Editing Procedure

Editing can be done in the Function mode.



1. **Select the Function mode.**
   Press the FUNC button (the indicator will light).
2. **Select the parameter you wish to edit.**
   Press the button that corresponds to the parameter you wish to edit (the indicator will light). The display shows the name of the currently selected parameter or value.

Example : When you press the KEY TOUCH button



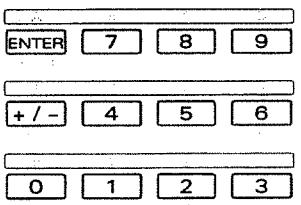
* *To edit a parameter for the INT LOWER or UPPER Part, select the UPPER or LOWER Part using the UPPER or LOWER button.*

3. Change values of the selected parameter.

Use the INC/DEC buttons or the VALUE slider to change values.

* *If you hold down the DEC or INC button, the value will change continuously. Pressing INC while holding down the DEC button (or vice versa) will cause the value to change more rapidly.*

* *It is also possible to enter a value directly with the Numerical Keys: Specify the value first, then press the ENTER key.*



SETUP MEMORY

For example, if you wish to set a value of 68, press 6 → 8 → ENTER.

To enter a value of a positive(+) or negative(-) number, use the A/B button before specifying a number with the Numerical keys. Each time you press the A/B button, + and - will be alternately selected.

4. Repeat steps 2 and 3 as many times as needed.

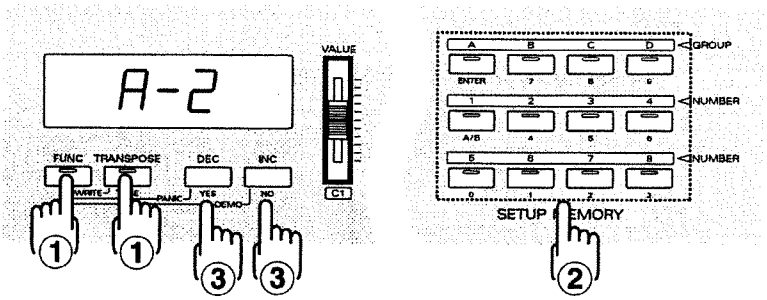
5. Leave the Function mode.

Press FUNC (the indicator will go out).

The editing procedure is explained in detail (in a subsequent section) along with the explanation of each parameter.

● The Write Operation

Tone settings can be stored in a Setup Memory. The flashing GROUP/NUMBER buttons indicate the currently selected Setup Memory.



1. **Press the FUNC and TRANSPOSE buttons simultaneously.**

2. **Select the Setup Memory in which the Tone settings will be stored.**
   Setup Memories are arranged in four Groups (A — D) with eight Numbers (1— 8) per Group.

   ** Setup Memory "A-1" is a basic setting (preset) and therefore cannot be overwritten using the Write operation.*

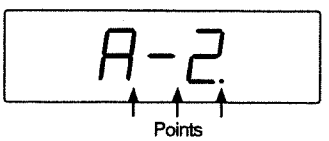
3. **Press the YES(DEC) button, and the current Tone setting will be written into the Setup Memory you have selected. To cancel the procedure, press NO(INC) button.**

● Selecting a Setup Memory

To select a Setup Memory, press the FUNC button (so the indicator is dark), while the disply shows the Setup Memory, and then press the GROUP/NUMBER buttons that correspond to the Setup Memory you want. (The appropriate indicators will light.)

** When the number of the Setup Memory is not indicated, press the following buttons and make sure the indicators go out.*
BANK M button / PCM C button / LEVEL button / VARIATION button / FUNC button

If you then edit the settings in the Setup Memory, a point will appear in the display.

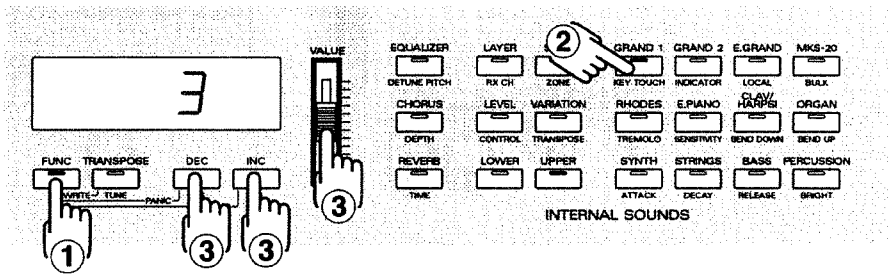


** MIDI Channel 16 (RX Channel → page 34) is a control channel for changing Setup Memories. When the RD-500 receives Program Change messages on channel 16 (via MIDI IN), a new Setup Memory will be selected.*

■ Key Touch

Key Touch is a setting which allows you to custom-tailor the response of the keyboard. With this setting you can set the keyboard to require a light touch to produce loud sounds (for example), or vice versa.

** The Key Touch you set affects MIDI information.*



1. **Select the Function mode.**

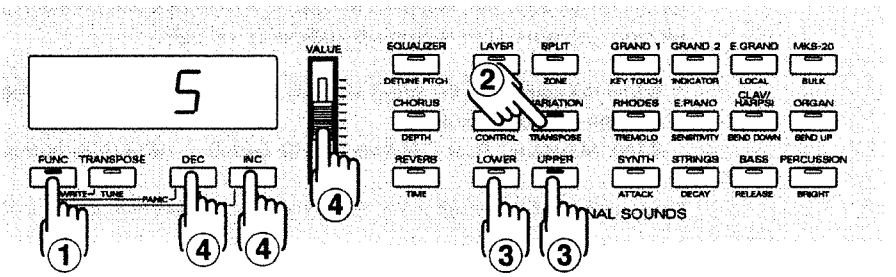
2. **Press the KEY TOUCH button (the indicator will light).**

3. **Set the value using the INC/DEC buttons, VALUE slider or the Numerical Keys.**
   Key Touch Range : 1 — 4

   Increasing the value will make the key touch 'heavier.' That is, a greater playing force will be required to produce loud sounds.

■ Internal Transpose

This parameter allows you to set the pitch of each Part (in semi-tone steps).



1. **Select the Function mode.**

2. **Press the TRANSPOSE button (the indicator will light).**

3. **Select the Part for which you wish to set Internal Transpose using the LOWER/UPPER button.**

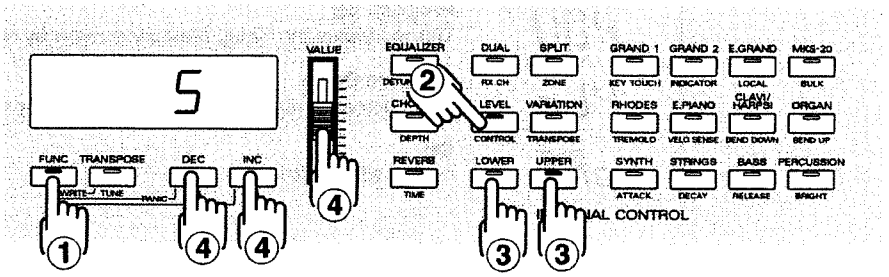
4. **Set the value with the INC/DEC buttons, VALUE slider or Numerical Keys.**
   Internal Transpose Range : +/–1 octave
   The value is shown in semi-tone (– 12 — 12) steps.

   ** When the Rhythm Set (Tone Group : PERCUSSION) is assigned to a Part, the pitch of each Rhythm sound will change if the Internal Transpose is set.*

■ Setting the Pedal/C1 Slider

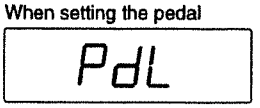
Using an expression pedal (or pedal switch) connected to the INT+TX PEDAL jack on the rear of the unit, you can control the sound source of the RD-500. The VALUE slider (except when being used for editing parameters), can be used as a C1 (control) slider for the sound source.
Use the following procedure and assign a function to the pedal or C1 (VALUE) slider. You can assign different functions to each Part.

* ***When a pedal is not connected to the TX PEDAL jack, Control messages from a pedal connected to the INT+TX PEDAL jack will be transmitted to both the internal sound source and MIDI OUT. The RD-500 also allows you to specify what messages will be transmitted to the MIDI OUT.*** *(→ page 45)*

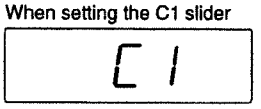


1. **Select the Function mode.**
2. **Press the CONTROL button as many times as necessary to get the following display:**

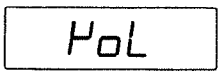
When setting the pedal



When setting the C1 slider



3. **Select the Part to be edited using the LOWER/UPPER button.**
4. **Select the desired function for the pedal or C1 slider using the INC/DEC buttons or the VALUE slider.**



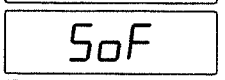
Volume
This determines the volume of a Part.



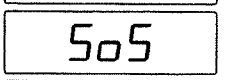
Pan
This sets the pan (sound positioning) of a Part.



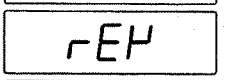
Damper
The sound can be sustained by depressing the pedal.



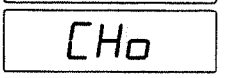
Soft
The sound will become softer by pressing the pedal.



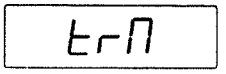
Sostenuto
This sustains the sound of notes which have been played when the pedal is depressed.



Reverb Switch
This turns the Reverb effect on and off.



Chorus Switch
This turns the Chorus effect on and off.



Tremolo Depth
This determines the depth of the Tremolo effect.



Expression
This controls Revolution(rotary speaker) effect or Harmonic contents of a Tone in ORGAN Group. The same paremeter controls the Cutoff frequency of a Tone in the other Group. When the pedal is returned to the original position or when the C1 slider is set to the MIN position, the Cutoff Frequency set with Bright(page 31) will be automatically called.

P ıb	**Vibrato** This function controls the depth of the vibrato effect.
bUP	**Bend Up** This creates the same effect as obtained by moving the bender lever to the right.
bdn	**Bend Down** This creates the same effect as obtained by moving the bender lever to the left.
nt 1	**Mute 1** Pressing the pedal will turn on the mute function.
nt2	**Mute 2** If you play the keyboard hard while holding the pedal down, the mute function will be turned on.
PGU	**Program Up** This increases the Setup Memory number by one.
PUc	**Program Down** This decreases the Setup Memory number by one.
oFF	**Off** No controlling is done.

* ***The functions that can be assigned to the C1 slider are Volume, Pan, Tremolo Depth, Expression, Vibrato and Off.***

■ On/Off of the Controllers

You can select whether or not to control the Pitch/Modulation or Damper effect with the bender lever or the pedal switch connected to the DAMPER PEDAL Jack on the rear of the unit separately for each Part.

◆ Bender Switch

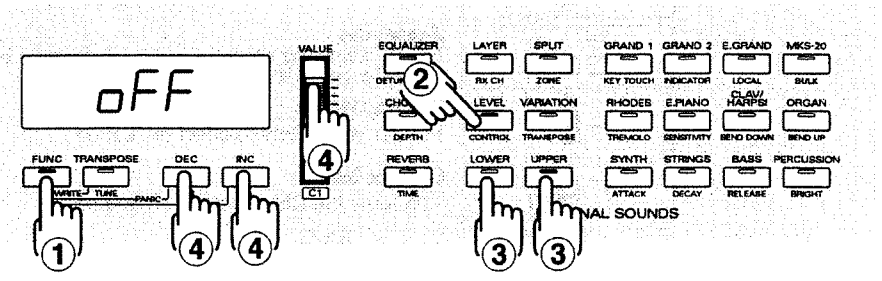
This selects whether to control (ON) or not to control (OFF) the pitch with the bender. When it is set to OFF, the pitch cannot be changed by using the bender lever.

◆ Modulation Switch

This selects whether to control (ON) or not to control (OFF) the modulation depth using the bender. When it is set to OFF, the modulation effect will not be affected by the bender lever.

◆ Damper Switch

This selects whether to control (ON) or not to control (OFF) the damper effect using the pedal switch connected to the DAMPER PEDAL Jack.



1. Turn to the Function mode.

2. **Press the CONTROL button as many times as necessary until the display responds with :**

Bender Switch	Modulation Switch	Damper Switch
bnd	Mod	dMP

3. **Select the Part you wish to edit using the LOWER/UPPER buttons.**
4. **Select ON or OFF using the INC/DEC buttons or VALUE slider.**

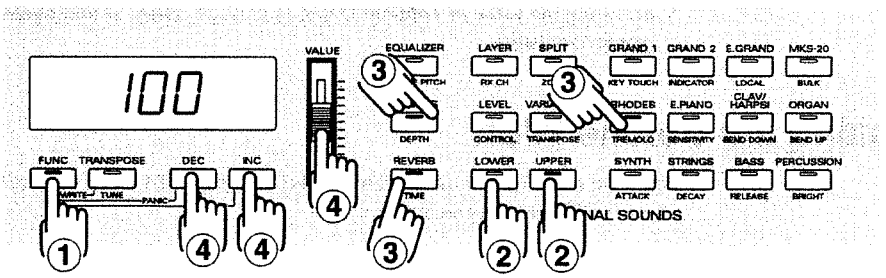
*** Pressing any Numerical Key while setting the Pedal (in "Setting the Pedal/C1 Slider on page 27) or the Damper Switch (in the above step 2) will invert the polarity of the pedal connected to the INT+TX/TX PEDAL or the DAMPER PEDAL jack. When the polarity is reversed, a point appears in the display.**

*** When the CONTROL button in the INTERNAL SOUNDS Section is lit in Function mode, pressing the pedal connected to the INT+TX or the TX PEDAL jack will call the pedal setting display. Moving the bender lever will call the Bender/Modulation Switch display while pressing the pedal switch connected to the DAMPER PEDAL jack will call the Damper Switch display.**

■ Effect Settings

When Chorus and Reverb are on, you can set the effect parameters for Chorus and Reverb or for Tremolo and Vibrato in each Tone Group.

** If you select a different Tone in the same Tone Group, the edited effect settings will be erased.*



1. **Select the Function mode.**

2. **To edit the Effect setting of the Tone assigned to the LOWER Part, press the LOWER button. To edit the Tone assigned to the UPPER Part, press the UPPER button.**

3. **Select the parameter to be edited.**
   Two parameters are assigned to each of the DEPTH, TIME and TREMOLO buttons (as shown later on this page). These parameters will be selected alternately by pressing the button. The parameter currently selected is shown in the display.

4. **Change the values using the INC/DEC buttons, VALUE slider or Numerical Keys.**

● Parameters that can be selected for the DEPTH button:

dPt	Chorus Depth:	0 — 127
rAt	Chorus Rate:	0 — 127

Set the depth or rate of the Chorus effect.

● Parameters that can be selected for the TIME button:

LEV	Reverb Level:	0 — 127
t in	Reverb Time:	0 — 127

Set the level or time of the reverberation effect.
In some Tones, Delay effect is set instead of Reverb. If so, Reverb Time / Level setting will actually be Delay Time / Level setting.

● Parameters that can be selected for the TREMOLO button:

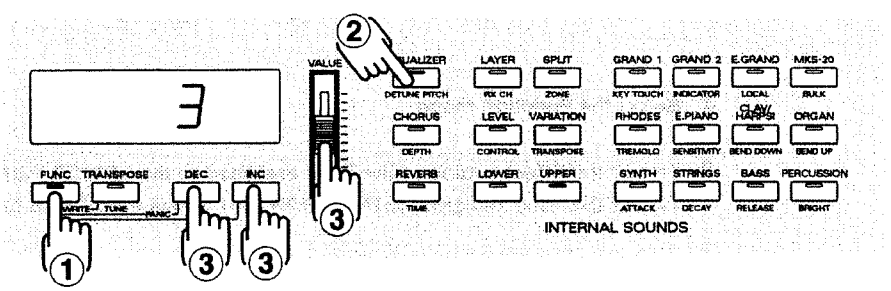
dPt	Tremolo Depth :	0 — 30
rAt	Tremolo Rate:	0 — 127

Set the depth or rate of the Tremolo effect.

** increasing the value of Tremolo Depth may cause noise. If this happens, change it to an appropriate value.*

■ Setting the Detune Pitch

When the same Tone is assigned to the INT LOWER/INT UPPER Parts in the Layer mode, you can set the pitch difference between them.



1. Select the Function mode.

2. Press the DETUNE button (the indicator will light).

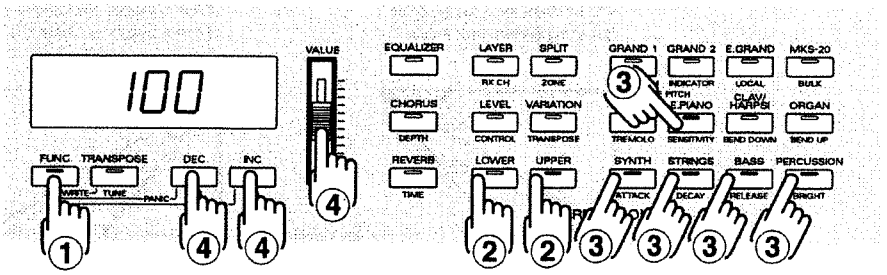
3. Set the pitch with the INC/DEC buttons or the VALUE slider.

Valid Pitch : –10 — 10

■ Tone Setting

The RD-500 allows you to set the attack time, release time, and brightness of the sounds in each Tone Group.

** If you select a different Tone in the same Tone Group, the edited settings will be erased.*
** The sound of the Rhythm Set in PERCUSSION Tone Group cannot be edited.*

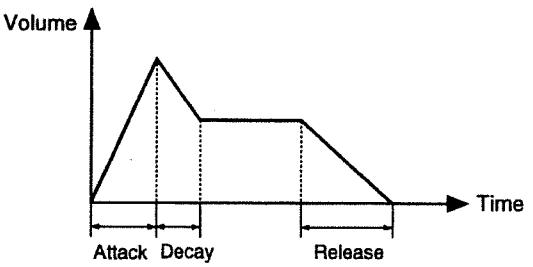


1. **Select the Function mode.**
2. **To edit the Tone assigned to the INT LOWER Part, press the LOWER button. To edit the Tone assigned to the INT UPPER Part, press the UPPER button.**
3. **Select the parameter to be edited.**
   Press the ATTACK, DECAY, RELEASE, BRIGHT or SENSITIVITY button (the corresponding indicator will light).
4. **Change the values using the INC/DEC buttons, VALUE slider or Numerical Keys.**

● Parameters that can be selected with the ATTACK/DECAY/RELEASE buttons:

- ◆ Attack: 0 — 127
- ◆ Decay: 0 — 127
- ◆ Release: 0 — 127

Set the Attack Time, Decay Time or Release Time of the sound.



● Parameter that can be selected with the BRIGHT button:

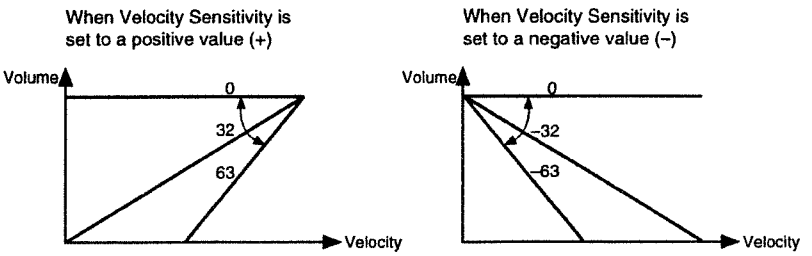
- ◆ Brightness: 0 — 127

Sets the brightness of the sound by changing the cutoff frequencies.

● Parameter that can be selected with the SENSITIVITY button:

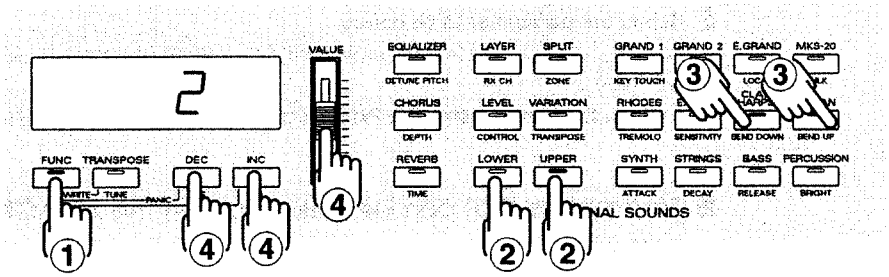
◆ Velocity Sensitivity: –63 — 63

Sets the amount of volume change caused by altering your playing strength. At a positive value, the volume will increase by playing harder. At a negative (-) value, the volume will decrease by playing harder.



■ Setting the Bend Range

The RD-500 allows you to set the Bend Range that determines the amount of pitch change caused by moving the Bender Lever in each Tone Group. This can be set separately for each Tone Group.



1. **Select the Function mode.**

2. **When you wish to set the Bend Range for the Tone assigned to the INT LOWER Part, press the LOWER button. To set it for the Tone assigned to the INT UPPER Part, press the UPPER button.**

3. **Press the BEND DOWN or BEND UP button (the corresponding indicator will light).**
   To set the amount of the pitch change caused by moving the lever to the left (Bend Range Down), press the BEND DOWN button. To set the amount of the pitch change caused by moving the lever to the right (Bend Range Up), press the BEND UP button.

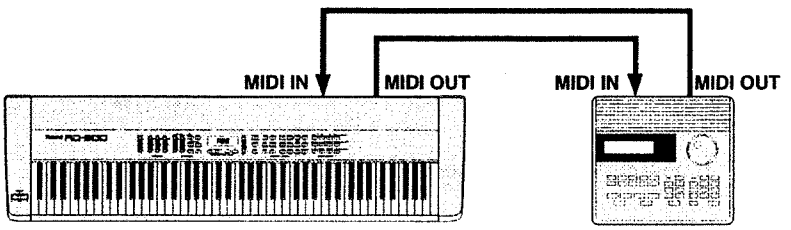
4. **Set the value with the INC/DEC buttons, the VALUE slider or Numerical Keys.**
   ◆ Bend Range Down: – 48 — 0
   ◆ Bend Range Up: 0 — 12

Recording/Playback on a Sequencer

The following explains how to connect a MIDI sequencer to the RD-500 and record/playback your performances.

■ Connecting a Sequencer

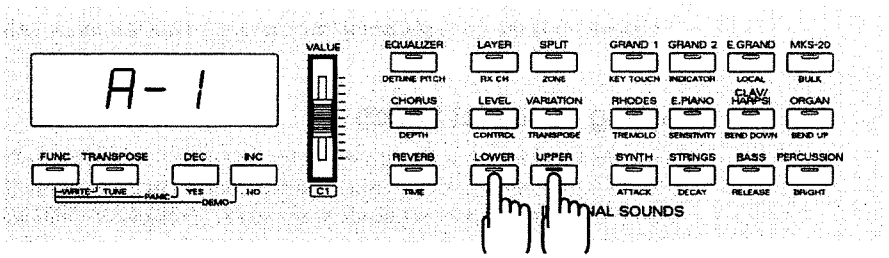
Connect the MIDI OUT on the RD-500 to the MIDI IN on the sequencer. Then connect the MIDI IN on the RD-500 to the MIDI OUT on the sequencer. Turn the sequencer's 'Soft Thru' function on. You can record the data while actually listening to the sound.



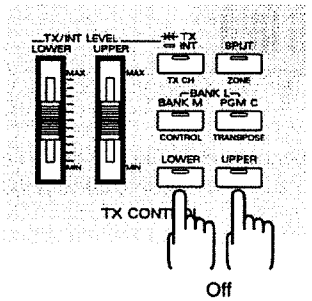
* ***Refer to your sequencer's owner's manual for information on setting the Soft Thru function and on recording/playback.***

■ How to set the RD-500

Press the LOWER or UPPER button (the indictor will light), then select the Part to record.



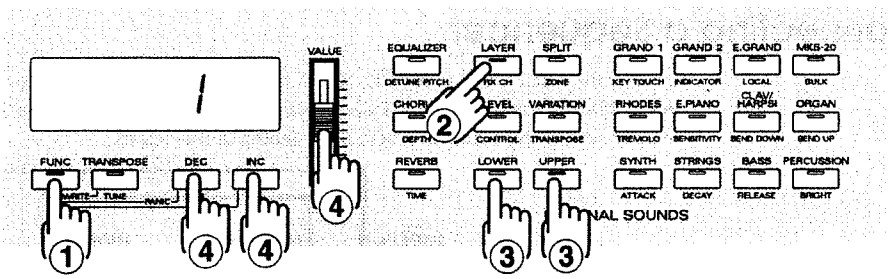
* ***Be sure that the LOWER/UPPER buttons in the TX CONTROL section are dark.***



Now, set the RX Channel and Local Switch in the Function mode.

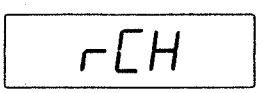
● Setting the MIDI Receive Channel (RX Channel)

The RD-500's performance information is transmitted to the sequencer on the transmit channel (RX Channel) set here.



1. Select the Function mode.

2. Press the RX CH button as many times as necessary to get the following display:



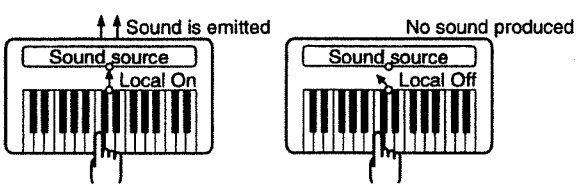
3. Using the LOWER/UPPER button, select the Part for which you wish to set the channel.

4. Set the channel (1 — 15) using the INC/DEC buttons, VALUE slider or Numerical Keys.

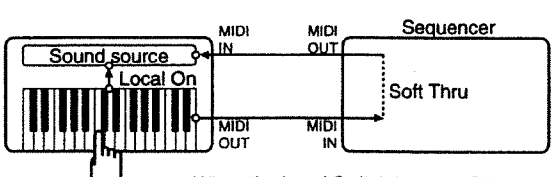
** Channel 16 is the Control Channel for changing Setup Memories. (page 25)*

● Setting the Local Switch

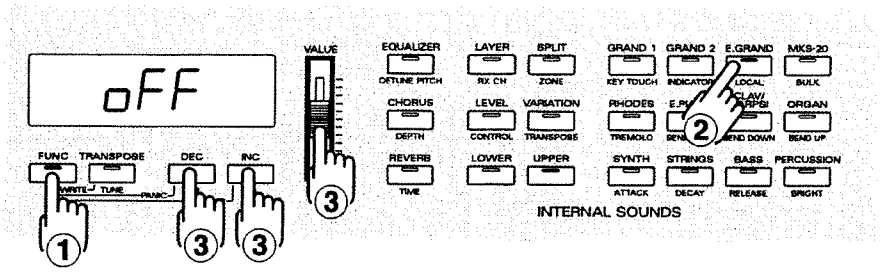
When the Local Switch is ON, the RD-500's keyboard is connected to the sound module section. When it is OFF, the keyboard is disconnected from the sound module. That is, when it is OFF, playing the keyboard does not produce any sound. (Performance information is sent to the MIDI OUT, however.)



When Soft Thru is set on an external sequencer and the Local Switch of the RD-500 is turned ON, playing the keyboard of the RD-500 will cause its sound module to play twice. If it happens, turn the Local Switch to OFF.



When the Local Switch is set to ON, the sound source will sound twice.



1. **Select the Function mode.**

2. **Press the LOCAL button (the indicator will light).**

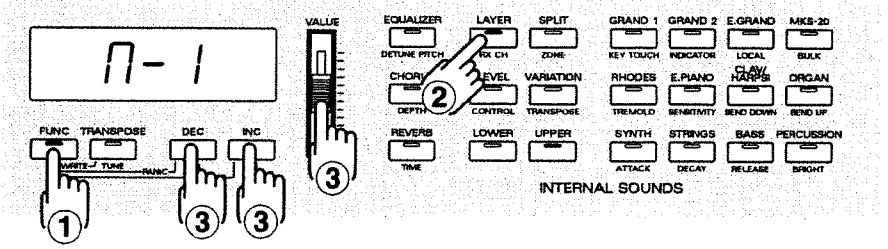
3. **Turn the parameter OFF using the INC/DEC buttons, VALUE slider .**

   * ***The Local Switch has three settings. For a detailed explanation, see page 39.***

   * ***"Local ON 2" is selected whenever the RD-500 is turned on.***

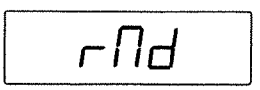
● Setting the MIDI Receive Mode

The MIDI receive mode determines whether the RD-500's internal sound source should receive Program Change and Control Change messages from the MIDI IN, or not.

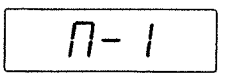


1. **Select the Function mode.**

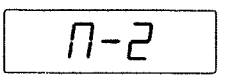
2. **Press the RX CH button as many times as necessary to get the following display:**



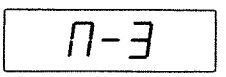
3. **Select any of the following three MIDI receive mode using the INC/DEC button or VALUE slider.**



In this mode, the RD-500 receives Program Change and Control Change messages.



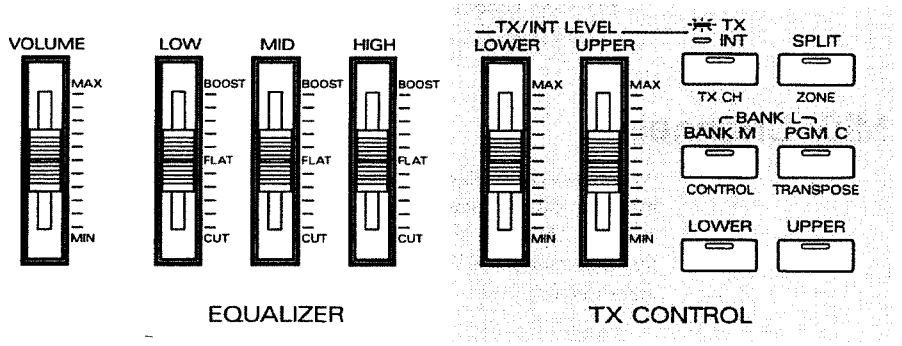
In this mode, the RD-500 receive only the Control Change messages.



In this mode, the RD-500 does not receive either of the messages.

To use the RD-500 as a MIDI master keyboard

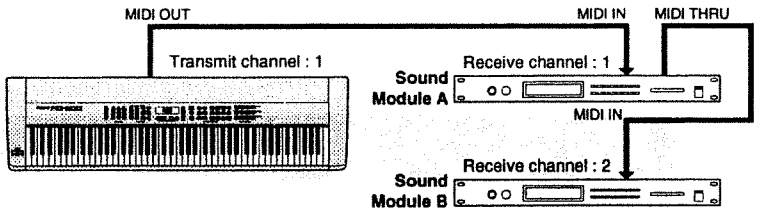
How to operate the TX CONTROL



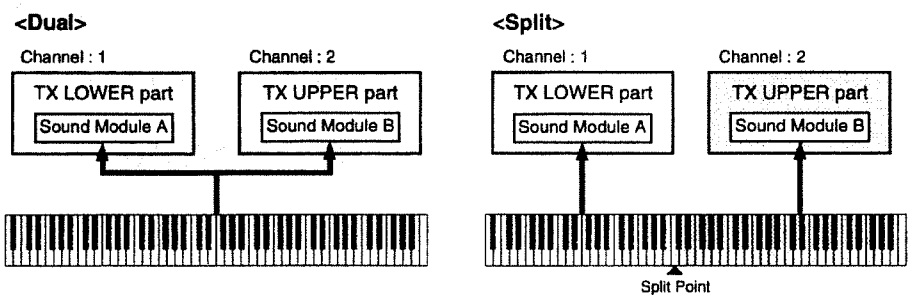
OUTLINE

■ Setup with an external MIDI Sound Module

Connect the MIDI sound module to the MIDI OUT jack on the rear of the RD-500. Then the connected sound module can be controlled by the RD-500.



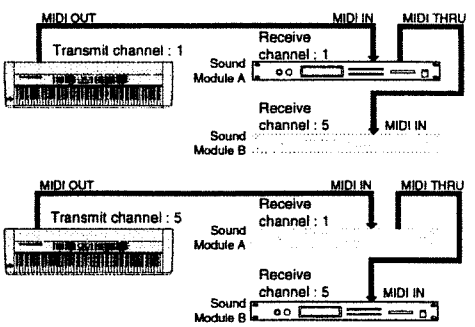
You can assign up to two MIDI sound modules to the TX LOWER and TX UPPER Parts. TX LOWER and TX UPPER are the Parts that control external MIDI sound modules. As with the INT LOWER/INT UPPER Parts, they can play two external MIDI sound modules simultaneously or play them on different keyboard sections (Split).



The RD-500's performance information is output through MIDI OUT on the MIDI transmit channel (TX Channel) set in each Part, thereby controlling the external sound modules.

■ MIDI Channels

As with television broadcasting, MIDI uses channels (these are called MIDI channels). MIDI messages can be communicated only between devices which are set to the same MIDI channel number. There are 16 MIDI channels, 1 — 16, and by setting the MIDI channel on the transmitter to the same number as that on the receiver, MIDI messages can be exchanged between the transmitter and receiver.



** **Channel 16 of the RD-500 is a Control Channel that receives messages (from external devices) for switching Setup Memories.***

■ INSIDE THE RD-500

The RD-500 has two Zones; the INT Zone and the TX Zone.

● INT Zone

The RD-500 processes the performance information received from the keyboard, controller or MIDI IN, and transmits it to the internal sound source (depending on how the INT LOWER/INT UPPER Parts are set). It also transmits the performance information to the MIDI OUT on the MIDI channel set as the RX channel. To determine whether to transmit (ON) the information or not (OFF), use the LOWER/UPPER buttons in the INTERNAL SOUNDS section.

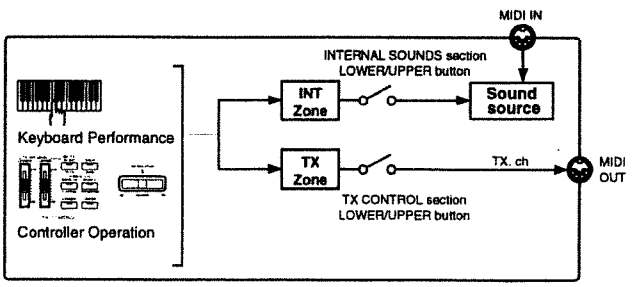
● TX Zone

The RD-500 processes the performance messages from the keyboard or controller depending on how the TX LOWER/UPPER Parts are set. It then transmits the information to the MIDI OUT on the MIDI channel set as the TX channel. To determine whether to transmit (ON) the information or not (OFF), use the LOWER/UPPER buttons in the TX CONTROL Section.

Depending on how the Local Switch is set, the internal sound source will play differently, and the performance information will be output through the MIDI OUT differently as follows:

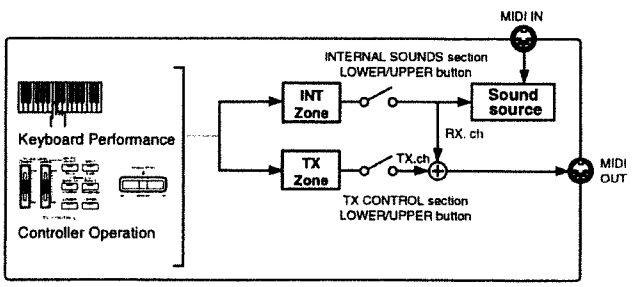
◆ When the Local Switch is set to ON 1

The internal sound source is played by the performance information sent from the INT Zone and that from the MIDI IN. The MIDI OUT transmits the performance information from the TX Zone on the MIDI channel set as the TX channel.



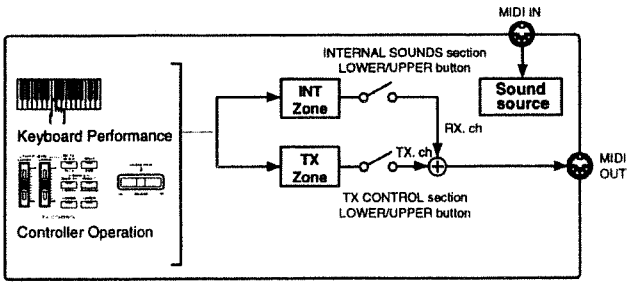
◆ When the Local Switch is set to ON 2

The internal sound source is played by the performance information output from the INT Zone and that from the MIDI IN. The MIDI OUT transmits the performance information from the INT Zone on the MIDI channel set as the RX channel, and that from the TX Zone on the MIDI channel set as the TX channel.



◆ When the Local Switch is set to OFF

The internal sound source is played only by the performance information fed through MIDI IN. The MIDI OUT transmits the performance information output from the INT Zone on the MIDI channel set as the RX Channel, and that from the TX Zone on the MIDI channel set as the TX Channel.



When you control the RD-500 and an external sound module at the same time, set the Local Switch on the RD-500 to ON 1. To record or play back performance information on a sequencer, set the Local Switch on the RD-500 to OFF and use the Soft Thru function on the sequencer.

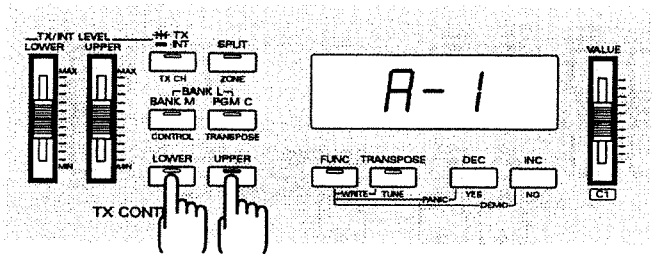
If you wish to change the sound on the external MIDI sound module or settings on the external effect by sending Program Change messages using the Tone Selection buttons, set the Local Switch to ON 2.

* ***When the TX/INT buttons is turned off (INT), no volume message will be output to MIDI OUT even by moving the TX/INT LEVEL slider.***

* ***Regarding the Program Change number assigned to each Tone on the RD-500, refer to the supplied Tone List.***

■ The TX LOWER/TX UPPER Parts

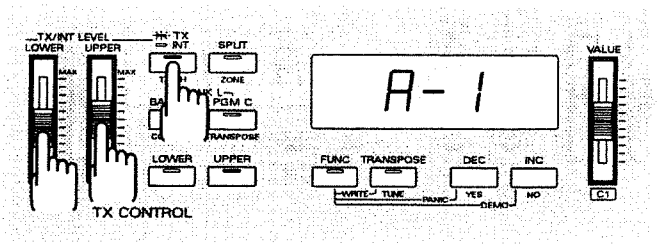
You can select whether or not to output the performance information from the TX LOWER/TX UPPER Parts, using the LOWER/UPPER buttons (while the BANK M and PGM C buttons both remain dark).



When the indicator of the LOWER or UPPER button is lit, the corresponding Part can output the performance information to the external MIDI sound module. When both the LOWER/UPPER buttons are lit, the external MIDI sound modules assigned to the LOWER/UPPER Parts will play at the same time.

■ Adjusting the Volume of an External MIDI Sound Module

Press the TX or INT button (the indicator will light), and the Volume messages can be sent to the external MIDI sound module using the TX/INT LEVEL slider on the transmit channel set in each TX LOWER/TX UPPER Part.

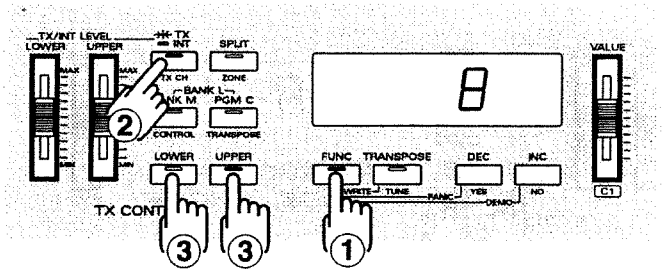


* ***If you press the LOWER or UPPER button while the TX/INT button is being lit, the value of the Volume message sent from each Part of TX LOWER/TX UPPER will be shown in the display.***

* ***When the TX/INT button is turned off (the indicator is dark), the TX/INT LEVEL slider can adjust the volume of the INT LOWER/INT UPPER Part.***

■ Setting the MIDI Transmit Channel

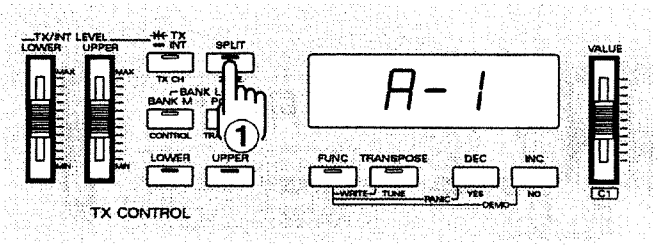
Set the MIDI transmit channel (TX Channel) of the TX LOWER/TX UPPER Part to the receive channel of the external MIDI sound module assigned to each Part.



1. **Select the Function mode.**
2. **Press the TX CH button (the indicator will light).**
3. **Select the Part to be edited using the LOWER/UPPER buttons.**
4. **Set the channel number using the INC/DEC buttons, VALUE slider or Numerical Keys.**

   Valid Channel Number: 1 — 16

■ Playing two sound modules in different keyboard sections — SPLIT

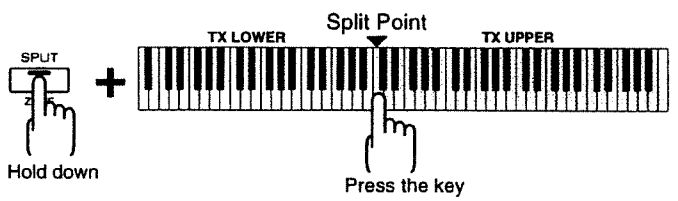


1. Select the Split mode.

Press the SPLIT button (the indicator will light).
The indicators on the LOWER and UPPER buttons will also light.

2. Set the Split Point.

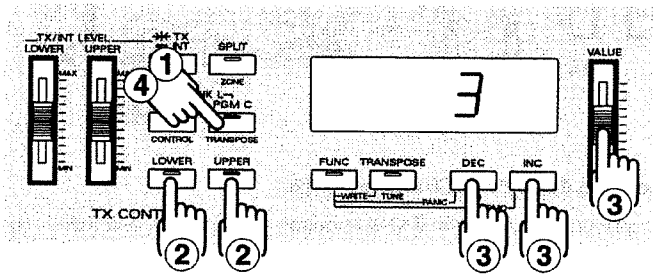
Press any key while holding the SPLIT button down, and the keyboard will be divided into two sections at the key (Split Point) you pressed. The MIDI sound module assigned to the TX LOWER Part is played on the lower section of the keyboard, and the sound module assigned to the TX UPPER Part is played on the upper section.



■ Changing sounds in the external MIDI sound module

To change sounds in an external MIDI sound module, you must send Program Change and Bank Select messages (MSB and LSB) to the module.

● Sending Program Change messages



1. Press the PGM C button (the indicator will light).

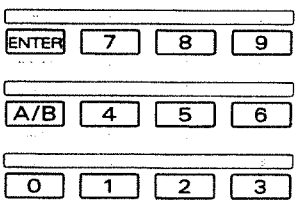
2. Press the LOWER or UPPER button to select the Part to which you wish to send the messages.

3. Set the Program Change Number.

Using the INC/DEC buttons or VALUE slider, select a number from 1 — 128 or OFF (no message is sent). Each time you set a new value, the corresponding Program Change message is transmitted.

** The Program Change number you set is transmitted when a Setup Memory (→page 25) is selected. When OFF is selected, no Program Change message will be transmitted.*

You can specify a Program Change number with the Numerical keys.



SETUP MEMORY

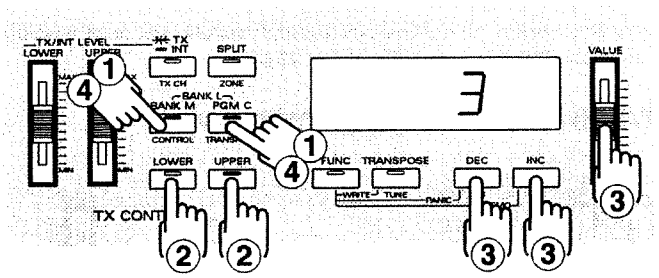
Press the A/B button, and you can specify the number (A11—A88/B11—B88) using the Group/Bank/Number method. You can select Group A or B by pressing the A/B button. After you specify the number with the Numerical Keys, press the ENTER key, and the set Program Change number is transmitted.

4. When you finish setting the Program Change number, press the PGM C button (the indicator will go out).

** When the Local Switch is set to ON 2 or OFF, selecting a Tone with the Tone Selection buttons or VARIATION button will automatically transmit the corresponding Program Change number on the MIDI channel set with the RX Channel through MIDI OUT.*

** The relationship between the RD-500's Tones and Program Change Numbers , refer to Tone List.*

● Sending Bank Select Messages



1. Select the Bank Select Transmit mode.

To transmit MSB, press the BANK M button (the indicator will light). To send LSB, press the PGM C button while holding the BANK M button down (the indicator of the PGM C button will light).

2. Press the LOWER or UPPER button to select the Part to which you wish to transmit the messages.

3. Set the Bank Select Number.

Specify the Bank Select number using the INC/DEC buttons, VALUE slider or Numerical Keys.
Bank Select Number: 0 — 127/OFF

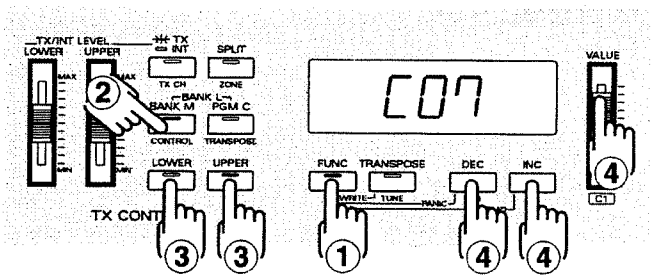
4. When you finish setting the number, press the BANK M or PGM C button (the indicator will go out).

* ***The Bank Select number you have set is transmitted together with the Program Change message. When OFF is selected, no Bank Select message will be transmitted.***

■ Controlling an External Sound Module using a Foot Pedal

By using an expression pedal connected to the TX PEDAL or INT+TX PEDAL jack on the rear of the RD-500, you can transmit messages (such as Control Changes) to an external MIDI sound module. You can also use the C1 slider for sending messages to an external MIDI sound module. You can assign different control messages to the pedal or the C1 slider for each Part.

** If a pedal is connected to the TX Pedal Jack but nothing is connected to the MIDI OUT connector, the Control messages from the pedal connected to the TX Pedal Jack will be transmitted to the internal sound source.*



1. **Select the Function mode.**
2. **Press the CONTROL button as many times as necessary to select the following display:**

When setting the pedal	When setting the C1 slider
PdL	C 1

3. **Press the LOWER or UPPER button to select the Part you wish to edit.**
4. **Using the INC/DEC buttons or VALUE slider, select the Control messages that the pedal or C1 slider should send.**

C07	**Control Change** MIDI Control Change messages (CC0 - CC95) will be transmitted.
AFt	**Aftertouch** Channel Pressure messages will be transmitted.
bUP	**Bend Up/Down** Pitch Bend messages will be transmitted.
bdn	
Mt 1	**Mute 1 (This function can be set only to the pedal.)** Pressing the pedal will turn on the mute function.
Mt2	**Mute 2 (This function can be set only to the pedal.)** If you play the keyboard hard while holding the pedal down, the mute function will be turned on.
PGU	**Program Up/Down** The current Setup Memory number will increase or decrease and the Program Change message corresponding to the Setup Memory will be output through MIDI OUT.
PGd	
oFF	**Off** No controlling is done.

** The Control Change Numbers (defined by the MIDI standard) are Volume :7, Pan:10 and Hold 1:64.*

* **Pressing any Numerical Key while setting the Pedal will reverse the polarity of the pedal. When the polarity is reversed, a point appears in the display.**

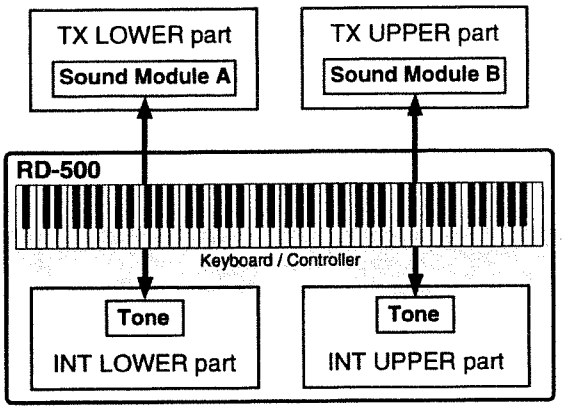
* **To control an external sound module using the pedal connected to the INT/TX Pedal jack, set the polarity of the pedal as instructed in "INTERNAL SOUNDS Section" on page 29.**

* **When the CONTROL button in the TX CONTROL section is lit in Function mode, pressing the pedal connected to the INT+TX or the TX PEDAL jack will call the pedal setting display.**

The RD-500 and an External Sound Module

— Controlling 4 Parts —

Using the INT LOWER/INT UPPER/TX LOWER/TX UPPER Parts at the same time, you can control four different Parts from the RD-500.



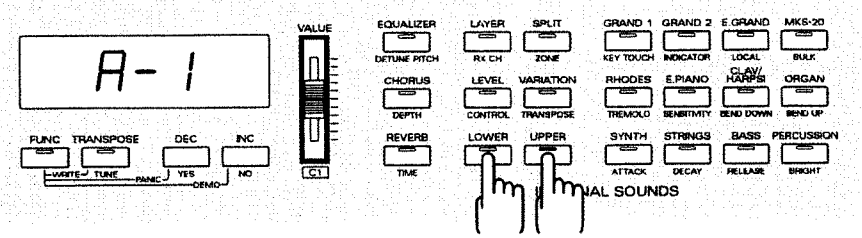
** Set the Local Switch to ON 1. (→ page 34, 39)*

■ Turning the Parts ON/OFF

You can turn each Part on or off.

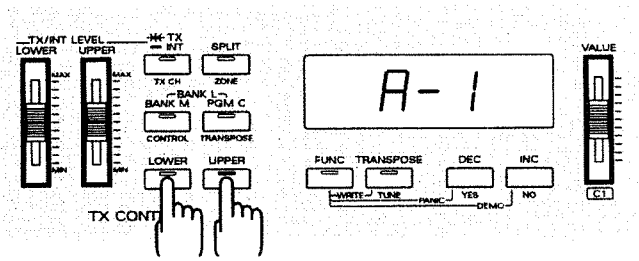
● INT LOWER/INT UPPER Parts

In the Layer/Split mode, select ON or OFF by pressing the LOWER/UPPER buttons in the INTERNAL SOUNDS section while the number of the Setup Memory is indicated in the display.
While the LAYER/SPLIT buttons are dark, either of the LOWER/UPPER buttons will always be lit.

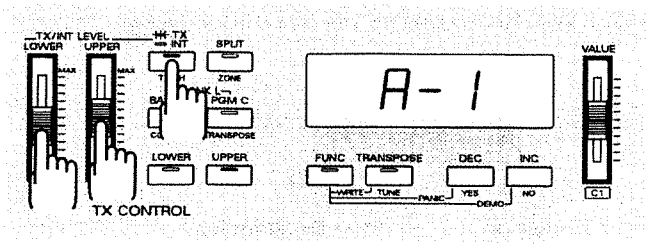


● TX UPPER and TX LOWER Part

While the number of the Setup Memory is indicated in the display, turn on or off each Part by pressing the LOWER/UPPER button in the TX CONTROL section.



■ Controlling the Volume



● INT LOWER/INT UPPER Parts

Turn off the TX/INT button (the indicator will go out) and adjust the volume using the TX/INT LEVEL sliders.

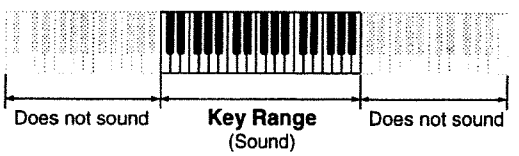
** The value set using the procedure described on page 20 will be the maximum volume of each Part. It is not possible to obtain any higher volume.*

● TX LOWER/TX UPPER Parts

Turn on the TX/INT button (the indicator will light) and adjust the volume using the TX/INT LEVEL sliders.

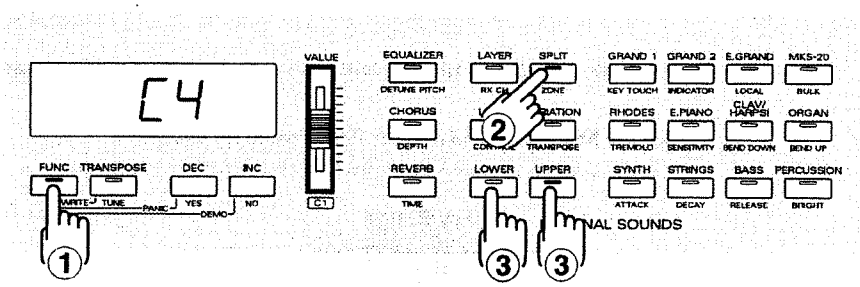
■ Setting the Key Zone

You can set the Key Zone to which each of the INT LOWER/INT UPPER/TX LOWER/TX UPPER Parts is assigned.



** The Key Zone setting is effective in the Split mode.*

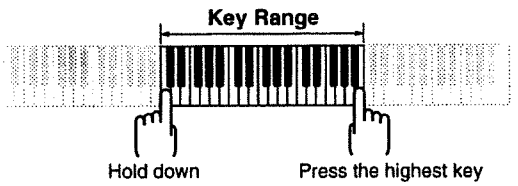
● Setting the Key Zone of the INT LOWER/INT UPPER Parts



1. **Select the Function mode.**
2. **Press the ZONE button in the INTERNAL SOUNDS section (the indicator will light).**
3. **Press the LOWER or UPPER button to select the Part to be edited.**

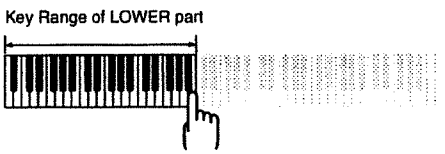
4. Specify the Zone (section) to which you wish to assign the Part.

While holding down the lowest key in the Zone, press the highest key in the Zone.
The Key Name of the pressed key will appear in the display.

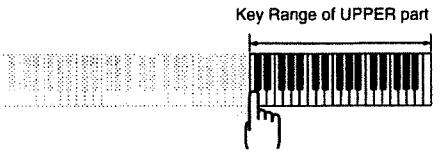


** If you press only one key, it will be the highest note of the INT LOWER section and the lowest note of the INT UPPER Part (section). (Like a Split Point setting.)*

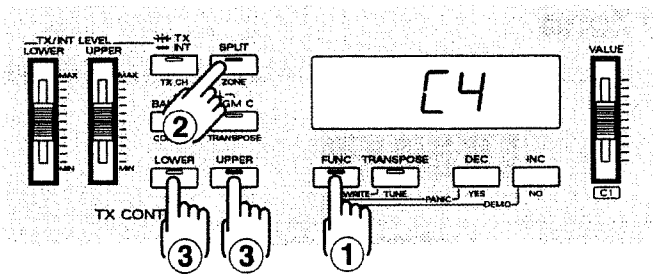
When the LOWER button is flashing :



When the UPPER button is flashing :



● Setting the Key Zone of the TX LOWER/TX UPPER Parts



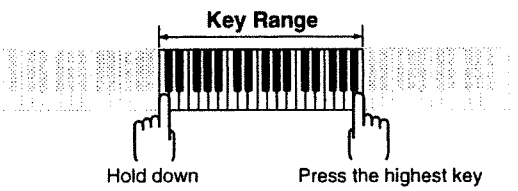
1. Select the Function mode.

2. Press the ZONE button in the TX CONTROL section (the indicator will light).

3. Press the LOWER or UPPER button to select the Part to be edited.

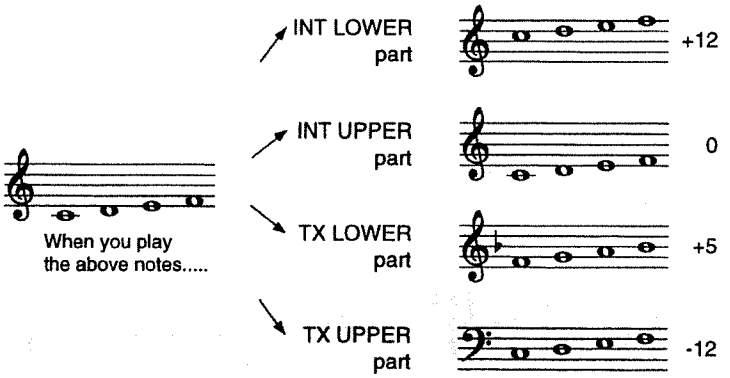
4. Set the Key Zone to which the Part should be assigned.

Use the same procedure as with the INT LOWER/INT UPPER Parts.

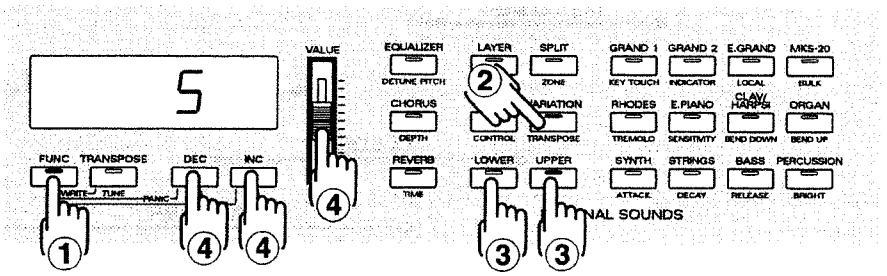


■ Setting Transposition

You can transpose each of the INT LOWER/INT UPPER/TX LOWER/TX UPPER Parts to a different pitch.



● Setting the Pitch for the INT LOWER/INT UPPER Parts (Internal Transpose)



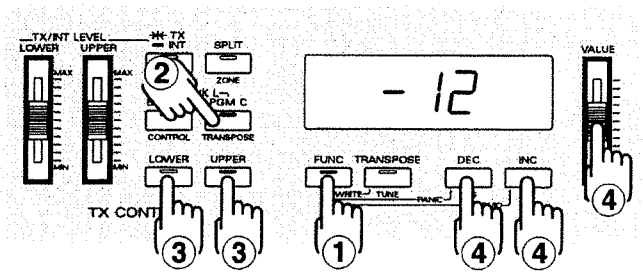
1. **Select the Function mode.**

2. **Press the TRANSPOSE button in the INTERNAL SOUNDS section (the indicator will light).**

3. **Press the LOWER or UPPER button to select the Part to be edited.**

4. **Set the Transpose value with the INC/DEC buttons, VALUE slider or Numerical Keys.**
   Transpose Range: –12 — 12 (semi-tone steps : +/– 1 octave)

● Setting the Pitch for the TX LOWER/TX UPPER Parts (Transmit Transpose)



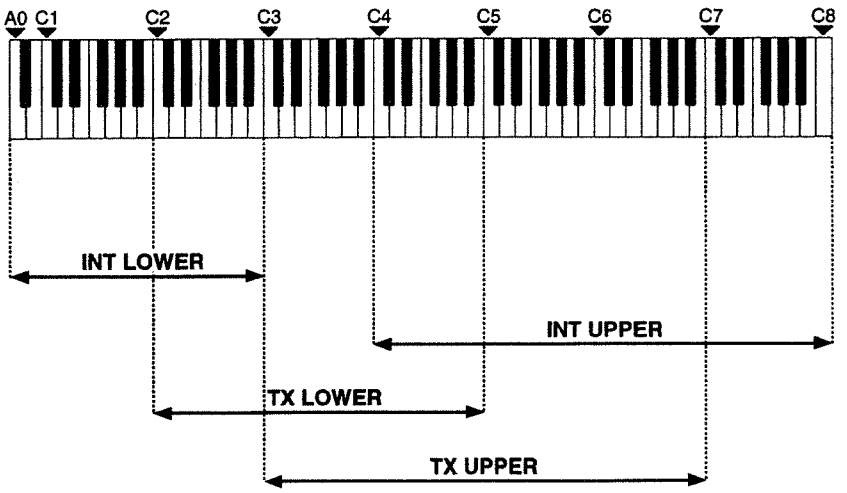
1. **Select the Function mode.**

2. **Press the TRANSPOSE button in the TX CONTROL section (the indicator will light).**

3. **Press the LOWER or UPPER button to select the Part to be edited.**

4. **Set the Transpose value.**
   Use the same procedure as with the INT LOWER/INT UPPER Parts.

By combining the Key Zones and Transposition setting of the INT LOWER/INT UPPER and TX LOWER/TX UPPER Parts, you can make sophisticated settings:



Example

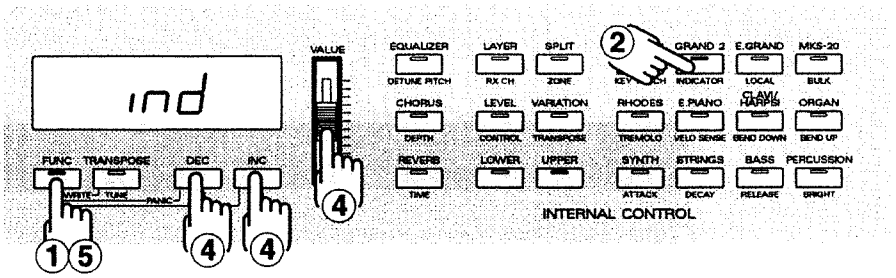
Part	Tone	Transpose	Key Range
INT LOWER	Bass	+12	A0 — B2
INT UPPER	Piano	0	C4 — C8
TX LOWER	Strings	−12	C2 — B4
TX UPPER	Bell	0	C3 — B6

Other Useful Functions of the RD-500

■ Position Indicators

You can set button indicators to remain dimly lit even when the function is actually off! This function may be useful when working in a dark place. The brightness of each indicator can be set .

** The settings of the Position Indicators can be written into a Setup Memory.*



1. **Press the FUNC button.**

2. **Press the INDICATOR button.**

3. **Select the buttons which you wish to remain lit.**
   Each time you press a button, the corresponding indicator will be dimly lit or dark. If you wish the indicator to be lit even when the function of the button is turned off, make sure its on here.

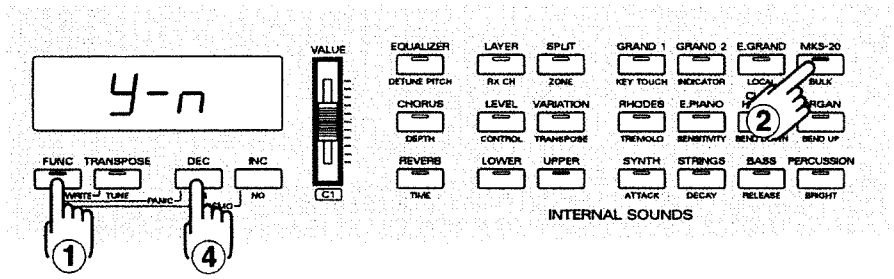
4. **Adjust the brightness of the indicator.**
   Using the INC/DEC buttons or VALUE slider, adjust the brightness of the indicator.

   Position Indicator Brightness Range: 0 — 2.

5. **Press the FUNC button.**

■ Sending RD-500 Data to a Sequencer — Bulk Dump

If you wish to record the settings (Exclusive messages) of the RD-500 into an external sequencer for storage, use the Bulk Dump procedure.



1. **Press the FUNC button.**

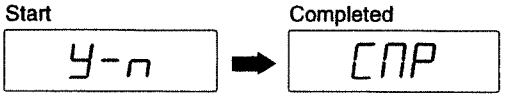
2. **Press the BULK button (the indicator will light).**

3. **Start recording on the sequencer.**

4. **Press the YES(DEC) button, and the Exclusive messages will be transmitted.**

5. When the display responds as shown below, the transmission is complete. Stop recording on the sequencer.

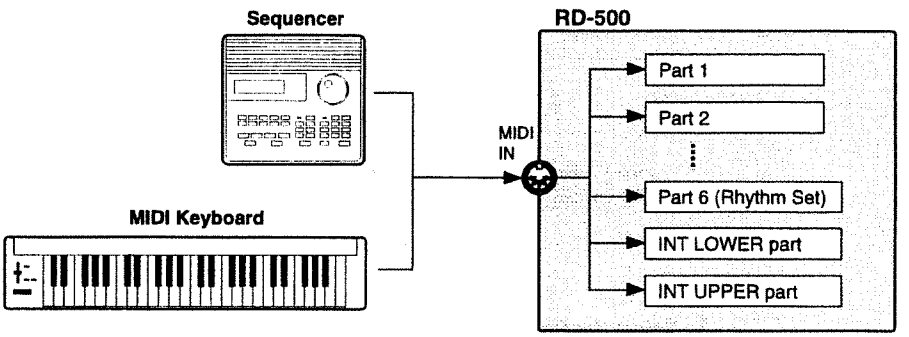
Start → Completed



The RD-500 data has now been transferred into the sequencer.

■ Multi-Timbral Mode

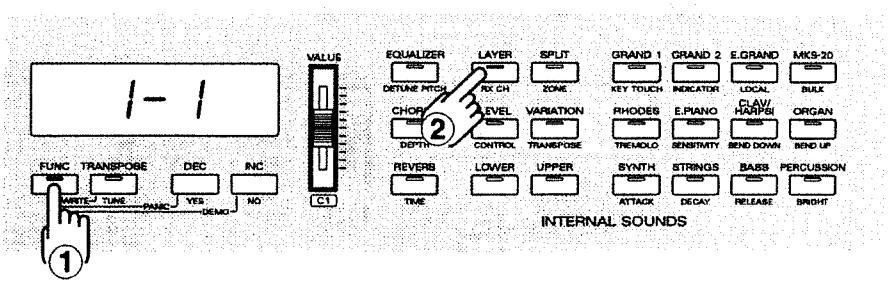
The RD-500 can be used as an 8 Part Multi-timbral sound module.



**** A Rhythm Set of PERCUSSION Tone Group is assigned to Part 6.***

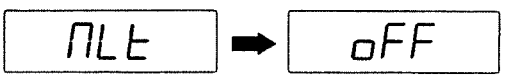
This section describes how to set the other 6 Parts as well as the INT LOWER/INT UPPER Parts.

● Select the Multi-timbral Mode

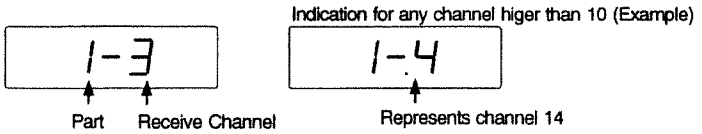


1. Press the FUNC button.

2. Press the RX CH button as many times as necessary to get the following display:

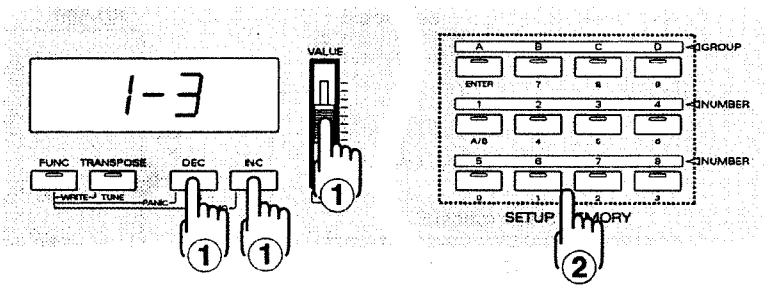


When the display shows "OFF", you cannot use any of 1 — 6 Parts. To turn the RD-500 to the Multi-timbral mode, make the display show as follows using the INC button or VALUE slider.



The display shows the MIDI receive channel status for Parts 1 — 6. For a channel higher than 10, a point is indicated at the left of the number. Select the Part you wish to show in the display using the INC/DEC buttons or VALUE slider.

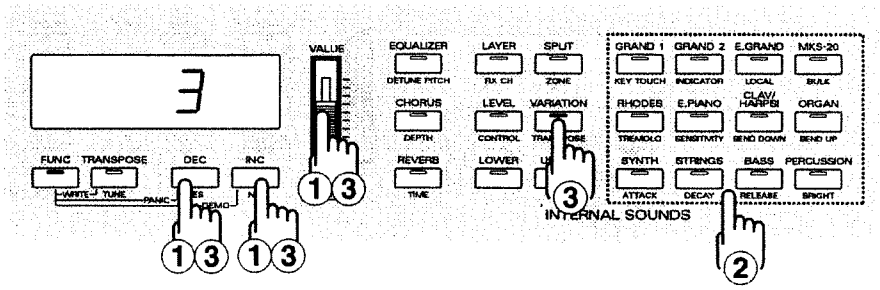
● Setting the MIDI Receive Channel of a Part



1. **Select the Part to be edited using the INC/DEC buttons or the VALUE slider.**
2. **Specify the receive channel (1—15) using the Numerical Keys, then press ENTER.**
   When set to "0," the Part will be turned off.

   ** For a detailed explanation about setting the MIDI receive channel for INT LOWER/INT UPPER Parts, see page 34.*

● Selecting a Tone for a Part

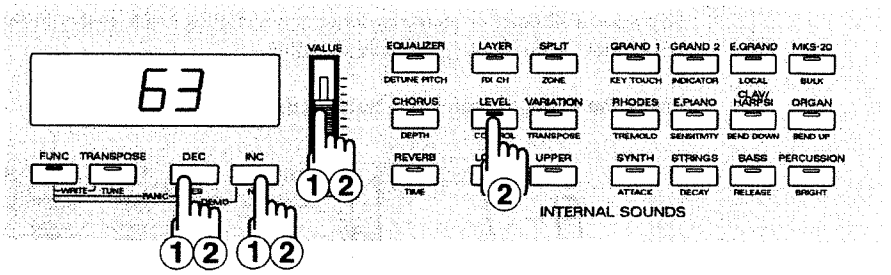


1. **Select the Part to be edited using the INC/DEC buttons or the VALUE slider.**
2. **Select the Tone Group with the Tone Selection buttons.**
3. **While holding down the VARIATION button, specify the number with the INC/DEC buttons or the VALUE slider.**

   ** While the VARIATION button is held down, the display shows the selected number.*

   ** For a detailed explanation about how to select Tones for INT LOWER/INT UPPER Parts, see pages 14 to 19.*

● Setting the Volume of a Part



1. **Select the Part to be edited using the INC/DEC buttons or the VALUE slider.**
2. **While holding down the LEVEL button, adjust the volume (0—127) using the INC/DEC buttons or the VALUE slider.**

   **** While the LEVEL button is held down, the display shows the volume you have set.***

   **** For a detailed explanation about how to set the volume of INT LOWER/INT UPPER Parts, see page 20.***

NOTE

When you are playing INT LOWER/INT UPPER Part from the keyboard while playing the Parts 1 — 6 on a sequencer, changing Tones in the INT LOWER/INT UPPER Part will automatically change the overall effect (Chorus or Reverb). To change Tones without affecting the overall effect, do as follows.

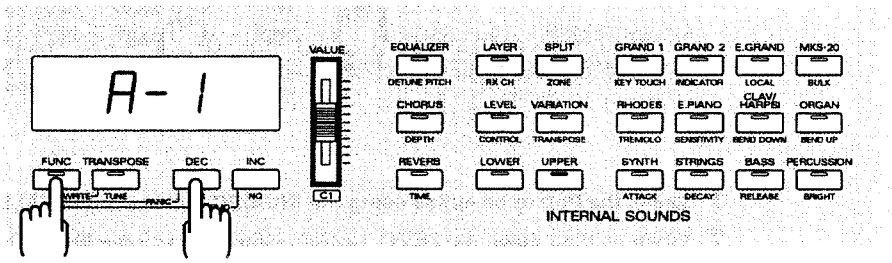
1. Press the LAYER button and make sure that the indicator is lit.
2. Set the effect (Chorus or Reverb) in the INT UPPER Part.
3. Turn off the UPPER button, then play the INT LOWER Part from the keyboard.

**** The Tones assigned to Parts 1—6 will be played according to the basic settings, since the parameter settings for each Tone Group are invalid.***

■ Panic function

This returns all devices, including those connected by MIDI, to the normal condition. It is used to stop "stuck" notes from continually sounding.

Press the FUNC button while holding down the DEC button.



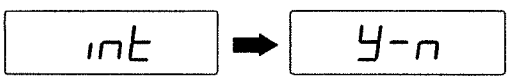
Hold down

When the buttons are pressed down for a short time (less than one second), they transmit key off/hold off messages over the channels where the internal sound source mute and key on/hold on are applied. When the button is held down for more than one second, the following messages are transmitted over all channels:

All note off	(note off velocity 64)
Pitch bender	center
Channel aftertouch	0
modulation	0
Hold 1	0
Volume	127

■ To retrieve the Factory Settings for all the Setup Memories

1. **Switch off the unit.**
2. **Switch on the unit while holding down 1 and 8 in the NUMBER (Setup Memory) buttons. The display responds as follows :**



3. **To retrieve the Factory Settings for all the Setup Memories, press the YES (DEC) button. To cancel it, press the NO (INC) button.**

Reference

TROUBLESHOOTING

If a problem occurs during operation, please refer to this guide — you may find the solution. If you are unable to correct the problem, please consult your Roland retailer or the nearest Roland Service Center.

● No sound is heard.

- ❑ Are the piano, amplifier and/or mixer switched on? (page 9)
- ❑ Are the connections correctly and securely made? (page 9)
- ❑ Are the connection cables in good condition? (page 9)
- ❑ Are the amplifier and/or mixer levels set properly? (page 9)
- ❑ Is the piano's VOLUME slider set to MIN? (page 10)
- ❑ Are the UPPER/LOWER buttons (in the INTERNAL SOUNDS section) on? (page 14)
- ❑ Note that no sound is produced if the TX/INT LEVEL slider is set to MIN when the TX/INT button is dark (INT). (page 41)
- ❑ Are the levels of the INT LOWER/INT UPPER Parts set appropriately? (page 19)
- ❑ When the Pedal or C1 Slider function is set to Volume, check the position of the Pedal or Slider. (page 27, 45)
- ❑ Is the Local Switch set to ON1 or ON2? (page 34)
- ❑ Is the Key Zone set correctly? (page 49)
- ❑ For some Tones the keyboard range is limited. Set the Transpose function to an appropriate value. (page 21, 26)
- ❑ Is the RX(Receive) channel set correctly(to other than OFF) ?

● The pitch is strange.

- ❑ Is the master tuning function set properly? (page 20)
- ❑ If the Transpose function is in use, is it set correctly? (page 21)
- ❑ If the Internal Transpose function is in use, is it set correctly? (page 26)
- ❑ If Pitch Detune is in use, is it set correctly? (page 30)
- ❑ Check the Pitch Bend Lever and its setting. (page 10)
- ❑ When Bend Up/Down or Vibrato is assigned to the Pedal or C1 Slider, check the position of the Pedal or Slider. (page 27, 45)
- ❑ For some Tones the keyboard range is limited, or they are out of tune in a certain range, or the pitch does not change at all. Set the Transpose function to an appropriate value. (page 21, 26)

● You cannot obtain the desired dynamic response.

- ❑ Is the Velocity Sens. parameter set properly? (page 32)

● No effect can be obtained with the Controller.

- ❑ Check the setting of the Pedal or C1 Slider. (page 27, 45)
- ❑ Make sure that the Bender Switch/Modulation Switch/Damper Switch is turned on. (page 28)
- ❑ When the Brightness value is set too high, the effect may not be obtained even if the Expression has been assigned to the controller. If this happens, adjust the Brightness value. (page 28, 31)
- ❑ When the Tremolo Depth value is set too low, the effect may not be obtained even if the Tremolo Depth has been assigned to the controller. If this happens, change the Tremolo Depth to an appropriate value. (page 28, 30)

■ When using an external sound module

● No sound is heard.

- ❑ Is the volume of the external sound module too low?
- ❑ Is the TX (Transmit) Channel set correctly? (page 42)
- ❑ Are the UPPER/LOWER buttons (in the TX CONTROL section) on? (page 41)
- ❑ Are the TX LOWER/TX UPPER Parts set to appropriate levels? (page 41)
- ❑ When the TX/INT button is set to OFF (TX) setting the TX/INT LEVEL Slider to the MIN position will mute the external sound module. (page 41)

❑ When Control Change #7 (Volume) is assigned to the C1 Slider or Pedal, check the position of the Slider or Pedal. (page 27, 45)

● The pitch is strange.

❑ Is the Transmit Transpose function for the TX LOWER/TX UPPER Part set correctly? (page 21,51)

❑ Check the Pitch Bender and its setting. (page 10)

❑ When Bend Up/Down or Control Change #1 is assigned to the Pedal or C1 Slider, check the position of the Pedal or Slider. (page 27,45)

● Program Change/Bank Select messages cannot be output.

❑ Are Program Change/Bank Select set to OFF? (page 43,44)

❑ Are the LOWER/UPPER buttons (in the TX Control section) off? (page 41)

❑ Is the TX channel set correctly? (page 42)

■ When using a Sequencer

● The sequencer will not record a performance.

❑ When the Local Switch is set to ON1, performance data of the INT LOWER/INT UPPER Parts is not output through MIDI OUT. To record such data, set the Local Switch to ON2 or OFF. (page 34,39,40)

● The channel on which data is recorded does not respond.

❑ Are the RX and TX channels set correctly? (page 34,42)

❑ When the Local Switch is set to ON2 or OFF, performance data of the INT LOWER/INT UPPER Part(s) is output on the RX channel, and data of the TX LOWER/TX UPPER Part(s) is output on the TX channel through MIDI OUT. To record only the performance data of the INT LOWER/INT UPPER Part(s), set the LOWER/UPPER button(s) (in the TX Control section) OFF. (page 39,40)

● Sounds are doubled or played improperly.

❑ When the sequencer's SOFT THRU function is on and the Local Switch of the RD-500 is set to ON2, the internal sound module of the piano will sound twice. Set the Local Switch to OFF. (page 34)

■ In the Multi Timbral Mode

● No sound is heard.

❑ Is the RX channel of each Part turned OFF (0) ? (page 56)

❑ Is the RX channel of each Part set correctly? (page 56)

❑ Is the level of each Part set appropriately? (page 56)

❑ If the RD-500 is not set to the Multi Timbral mode, only two Parts (INT UPPER and INT LOWER) will be played. (page 55)

● If the unexplained/inevitable occurs!

❑ If/when something unexpected happens — like someone tripping over a MIDI cable, thereby disconnecting it right in the middle of your solo — the RD-500 may produce some really strange sounds! When this happens (and it will!) quickly activate the PANIC function; press the FUNC and DEC buttons simultaneously. This will instantly kill any sound the piano may be making. (Remember: in a crowded club this function may be your only friend!)

Digital Piano
Model RD-500

MIDI Implementation Chart

Date : Dec. 10, 1993
Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1, 2	1, 2	
	Changed	1 — 15	1 — 15	Memorized
Mode	Default	Mode 3	Mode 3	
	Messages	x	x	
	Altered	**********		
Note Number :	True Voice	3 — 125	0 — 127	
		**********	0 — 127	
Velocity	Note ON	O	O	
	Note OFF	O	O	
After Touch	Key's	x	x	
	Ch's	x *2	O	
Pitch Bend		O	O	9 bit resolution
Control Change	0 — 95	O		
	1		O	Modulation
	6, 38		O	Data Entry
	7		O	Volume
	10		O	Panpot
	11		O	Expression
	64		O	Hold 1
	66		O	Sostenuto
	67		O	Soft
	91		O	Reverb
	93		O	Chorus
	100, 101	x	O	RPN LSB, MSB
	121	x	O	Reset All Controllers
Prog Change	: True #	O *1	O	
		**********	0 — 114	
System Exclucive		O	O	
System Common	: Song Pos	x	x	
	: Song Sel	x	x	
	: Tune	x	x	
System Real Time	: Clock	x	x	
	: Commands	x	x	
Aux Message	: Local ON/OFF	x	O	
	: All Notes OFF	x	O (123 — 127)	
	: Active Sense	O	O	
	: Reset	x	x	
Notes		*1 Can be set to O or x manually. *2 Can be assigned to the Pedal / C1 slider.		

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO O : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO X : No

SPECIFICATIONS

RD-500 : Roland Digital Piano

● Keyboard

88 keys (Weighted-counterlever mechanism)

● Maximum Polyphony

28voices

● Tone Groups

GRAND1, GRAND2, E.GRAND,MKS-20, RHODES, E.PIANO, CLAV/HARPSI, ORGAN, SYNTH, STRINGS, BASS, PERCUSSION

Total 121 variations (including 1 Rhythm set)

● Setup Memory

Preset : 1
User : 31

● Effects

Chorus, Reverb, Equalizer

● Connectors

Output Jacks (L (MONO) / R)
Fixed Output Jacks(L/R)
Pedal Jacks (DAMPER / INT+TX,TX)
MIDI Connectors (In, Out, Thru)
Headphone Jack (Stereo)

● Power Supply

AC117V, AC230V or AC240V

● Power Consumption

16W(AC117V), 17W (AC230V, AC240V)

● Dimensions

1419(W) x 391(D) x 141(H)mm
55-7/8(W) x 15-7/16(D) x 5-9/16(H)inches

● Weight

25kg / 55lbs 2oz

● Accessories

Owner's Manual
Power Cord (except 117V use)
Pedal Switch : DP-6

** In the interest of product development, the specifications and/or appearance of this unit are subject to change without prior notice.*

INDEX

(A)
Attack 31

(B)
Bank select message 44
Basic setting 25
Bend range down 32
Bend range up 32
Bender 10, 32
Bender switch 28
Brightness 31
Bulk dump 54

(C)
Chorus 21, 30
Chorus depth 30
Chorus rate 30
Control change 45
C1 slider 27, 45

(D)
Damper pedal 7, 9, 27, 28
DAMPER PEDAL jack 7, 9
Damper switch 28
Decay 31
Demonstration song 11
Detune function 17
Detune pitch 30

(E)
Effect 21, 29, 40
Equalizer 6, 10
Exclusive message 54
Expression 28
Expression pedal 9, 27, 45

(F)
FIXED OUTPUT jacks 7, 9
Function mode 23

(I)
Internal transpose 26, 51
INT LOWER/UPPER part 14, 48
INT zone 39, 40
INTERNAL SOUNDS section 7, 13
INT+TX PEDAL jack 7, 9, 27, 45

(K)
Key touch 26
Key zone 49, 50

(L)
Layer 16
Level (Volume) 20, 41, 49
Local switch 34, 39, 40

(M)
MIDI channel 34, 38, 39, 40, 42, 56
MIDI connectors 7, 9
MIDI implementation chart 62
MIDI receive channel 34, 38, 39, 40, 56
MIDI sound module 38
MIDI transmit channel 38, 39, 40, 42
Modulation switch 28
Multi-Timbral Mode 55

(N)
Numerical key 7, 24, 43, 56

(O)
OUTPUT jacks 7, 9

(P)
Pan 27
Panic function 57
Part ..... 14—19, 38, 55
Pedal 27, 45
Pedal switch 9, 27, 45
Position indicator 54
Program change message 43

(R)
Release 31
Reverb 21, 30
Reverb time 30
Reverb level 30
RX channel 34, 39, 40, 56

(S)
Setup memory 7, 22, 25
Sequencer 33, 54, 55
Soft 27
Sostenuto 27
Split 18, 42

(T)
Tone 14, 22, 23
Tone selection button 14, 23
Transpose function 21, 26, 51
Transmit transpose 51
Tremolo 27, 30
Tremolo depth 27, 30
Tremolo rate 30

Tuning 20
TX channel 38, 39, 40, 42
TX CONTROL section 6, 37
TX LOWER/UPPER part 38, 48
TX PEDAL jack 7, 9, 45
TX zone 39, 40
TX/INT button 41, 49
TX/INT LEVEL slider 41, 49

(V)

Valiation .....14—19
Velocity Sensitivity 32
Volume (Level) 20, 41, 49
Volume message 27, 41, 45
Volume slider 6, 10

(W)

Write operation 25

Information

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As of March, 11, 1996

RD-500 Tone List / トーン一覧表

V# = Variation number (バリエーション・ナンバー)
PG# = Program change number (プログラム・チェンジ・ナンバー)

	V#	PG#	Name	Voice
GRAND1	1	1	Grand Piano A1	2
	2	2	Grand Piano A2	2
	3	3	Grand Piano A3	2
	4	4	Grand Piano A4 ST	2
	5	5	Grand Piano A5	1
	6	6	Grand Piano B1	2
	7	7	Grand Piano B2	2
	8	8	Grand Piano B3	2
	9	9	Grand Piano B4 ST	2
	10	10	Grand Piano B5	1
GRAND2	1	11	Grand Piano C1	2
	2	12	Grand Piano C2	2
	3	13	Grand Piano C3	2
	4	14	Grand Piano C4 ST	2
	5	15	Grand Piano C5 ST	2
	6	16	Grand Piano C6	1
	7	17	Grand Piano C7	1
	8	18	Grand Piano D1	2
	9	19	Grand Piano D2	2
	10	20	Grand Piano D3 ST	2
E. GRAND	1	21	E.Grand A1	1
	2	22	E.Grand A2	2
	3	23	E.Grand A3	2
	4	24	E.Grand A4	2
	5	25	E.Grand A5 ST	2
	6	26	E.Grand B1	2
	7	27	E.Grand B2 ST	2
	8	28	E.Grand B3	1
MKS-20	1	29	SA Piano 1	2
	2	30	SA Piano 2 ST	2
	3	31	SA E.Grand 1	1
	4	32	SA E.Grand 2	2
	5	33	SA E.Grand 3 ST	2
	6	34	SA E.Piano 1	2
	7	35	SA E.Piano 2 ST	2
	8	36	SA E.Piano 3	2
	9	37	SA Vibe	1

	V#	PG#	Name	Voice
RHODES	1	38	DynoRhodes 1	2
	2	39	DynoRhodes 2	2
	3	40	DynoRhodes 3	2
	4	41	DynoRhodes 4	2
	5	42	DynoRhodes 5 ST	2
	6	43	DynoRhodes 6 ST	2
	7	44	Rhodes 1	2
	8	45	Rhodes 2	2
E.PIANO	1	46	E.Piano 1	2
	2	47	E.Piano 2	1
	3	48	E.Piano 3	1
	4	49	E.Piano 4 ST	2
	5	50	D50 E.Piano1	1
	6	51	D50 E.Piano2	2
	7	52	D50 E.Piano3	2
	8	53	D50 E.Piano4	2
	9	54	Reed Piano 2	2
	10	55	Reed Piano 2	2
CLAV/HARPSI	1	56	Clav 1	2
	2	57	Clav 2	2
	3	58	Clav 3	1
	4	59	Clav AutoWah ST	2
	5	60	Clav DualWah ST	2
	6	61	Harpsichord1	2
	7	62	Harpsichord2	2
	8	63	Harpsichord3	2
ORGAN	1	64	Gospel B	2
	2	65	Velo-Jazz B3	1
	3	66	Rock Organ 1	2
	4	67	Rock Organ 2	2
	5	68	Rock Organ 3	2
	6	69	60s Organ	1
	7	70	Rave Organ	2
	8	71	Pipe Organ 1	1
	9	72	Pipe Organ 2	2
	10	73	Pipe Organ 3	2

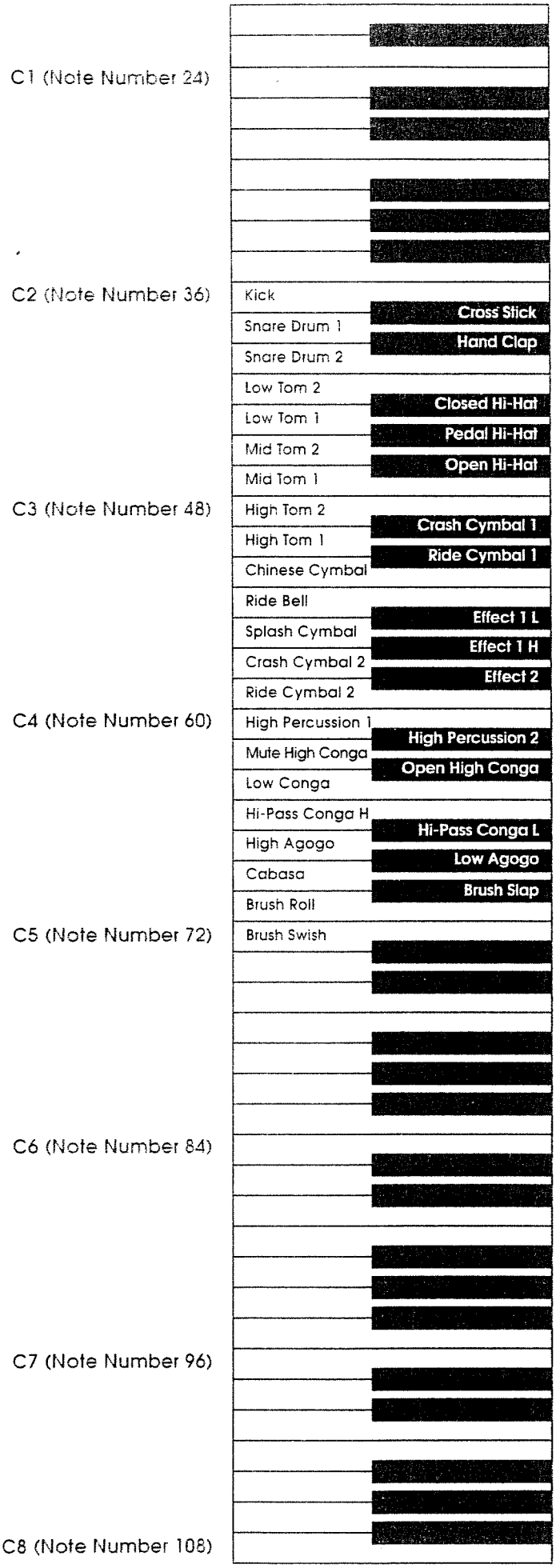
	V#	PG#	Name	Voice
SYNTH	1	74	Beauty Vox	2
	2	75	Arasian Morn	2
	3	76	Syn Vox 1	1
	4	77	Syn Vox 2	1
	5	78	Angel Ooohz	2
	6	79	Heaven	1
	7	80	EP Pad	2
	8	81	Like Dee	2
	9	82	Huff N Stuff	2
	10	83	HuffNStuff 2	2
	11	84	Synth Brass 1	2
	12	85	Synth Brass 2	1
	13	86	Synth Brass 3	1
	14	87	Poly Synth 1	1
	15	88	Poly Synth 2	1
	16	89	Synth Lead	2
STRINGS	1	90	Stereo Strings ST	2
	2	91	Warm Strings	2
	3	92	Slow Strings	2
	4	93	Strings	1
	5	94	SynStrings 1	1
	6	95	SynStrings 2 ST	2
	7	96	SynStrings 3	2
	8	97	SynStrings 4 ST	2
	9	98	SynStrings 5	2
	10	99	SynStrings 6	2
	11	100	Soft Pad 1	1
	12	101	Soft Pad 2	2
BASS	1	102	Finger Bass 1	2
	2	103	Finger Bass 2	1
	3	104	Upright Bass	1
	4	105	Upright Bass+ride	2
	5	106	Fretless 1	1
	6	107	Fretless 2	1
	7	108	Mixed Bass 1	2
	8	109	Mixed Bass 2	2
	9	110	Synth Bass	2
	10	111	Synth Bass 2/Lead	2

	V#	PG#	Name	Voice
PERCUSSION	1	112	Vibe 1	1
	2	113	Vibe 2 ST	2
	3	114	Warm Vibe	2
	4	115	SA Vibe	1
	5	116	Layered Vibe 1 ST	2
	6	117	Layered Vibe 2	2
	7	118	Marimba 1	1
	8	119	Marimba 2	1
	9	120	Warm Marimba	2
	10	121	**Rhythm Set**	

* ST = Stereo

GRAND1, GRAND2 .. These Tone Groups include grand piano tones.
E.GRAND ..... This Tone Group contains electric grand piano tones.
MKS-20 ..... This Tone Group includes piano tones of the SA sound module MKS-20.
RHODES ..... This Tone Group contains Rhodes piano tones.
E.PIANO ..... This Tone Group contains electric piano tones.
CLAV/HARPSI ..... This includes Clavi and Harpsichord tones.
ORGAN ..... This contains organ tones.
SYNTH ..... This contains synthesizer tones.
STRINGS ..... This contains strings tones.
BASS ..... This contains bass tones.
PERCUSSION ..... This contains percussion tones such as vibraphone and marimba. Variation number 10 is the Rhythm Set.

GRAND1, GRAND2 ... グランド・ピアノの音色を収録したグループです。
E.GRAND ..... エレクトリック・グランド・ピアノの音色を収録したグループです。
MKS-20 ..... SA音源MKS-20のピアノ音色を収録したグループです
RHODES ..... ローズ・ピアノの音色を収録したグループです
E.PIANO ..... エレクトリック・ピアノの音色を収録したグループです
CLAV/HARPSI ..... クラビとハープシコードの音色を収録したグループです
ORGAN ..... オルガンの音色を収録したグループです
SYNTH ..... シンセサイザーの音色を収録したグループです
STRINGS ..... ストリングスの音色を収録したグループです
BASS ..... ベースの音色を収録したグループです。
PERCUSSION ..... ビブラフォンやマリンバなど、パーカッションの音色を収録したグループです。バリエーション10はリズム・セットです


C1 (Note Number 24)
C2 (Note Number 36)
Kick
Snare Drum 1
Snare Drum 2
Low Tom 2
Low Tom 1
Mid Tom 2
Mid Tom 1
C3 (Note Number 48)
High Tom 2
High Tom 1
Chinese Cymbal
Ride Bell
Splash Cymbal
Crash Cymbal 2
Ride Cymbal 2
C4 (Note Number 60)
High Percussion 1
Mute High Conga
Low Conga
Hi-Pass Conga H
High Agogo
Cabasa
Brush Roll
C5 (Note Number 72)
Brush Swish
C6 (Note Number 84)
C7 (Note Number 96)
C8 (Note Number 108)
Cross Stick
Hand Clap
Closed Hi-Hat
Pedal Hi-Hat
Open Hi-Hat
Crash Cymbal 1
Ride Cymbal 1
Effect 1 L
Effect 1 H
Effect 2
High Percussion 2
Open High Conga
Hi-Pass Conga L
Low Agogo
Brush Slap

For Europe

CE

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

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 räjähtää, 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

Digital Piano RD-500

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der BMPT-AmtsblVfg 243/1991, 46/1992 funk-entstört ist.
Der vorschriftsmäßige Betrieb mancher Geräte (z. B. Meßsender) kann allerdings gewissen Einschränkungen unterliegen. Beachten Sie deshalb die Hinweise in der Bedienungsanleitung.

Dem Zentralamt für Zulassungen im Fernmeldewesen wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf die Einhaltung der Bestimmungen eingeräumt.

Roland Corporation

4-16 Dojimahama 1-Chome Kita-ku Osaka 530 Japan

(Name und Anschrift 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.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

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.

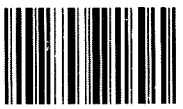
CLASSE B — **AVIS**

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

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RD-500

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