

Chapter 4

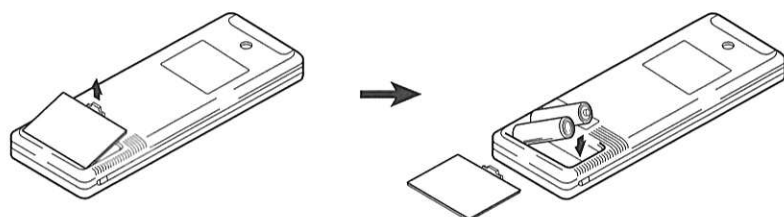
Using the Remote Control

The Disklavier is equipped with a remote control which allows convenient control from almost anywhere in the room. This chapter provides notes on handling the remote control.

Installing Batteries in the Remote Control

Before the remote control can be used, the two batteries supplied with the Disklavier must be installed.

Remove the battery cover from the rear of the remote control (shown left), and install the batteries (shown right). Then, replace the cover.



A diagram inside the battery compartment shows which way they should be installed. Make sure that you insert the batteries correctly.

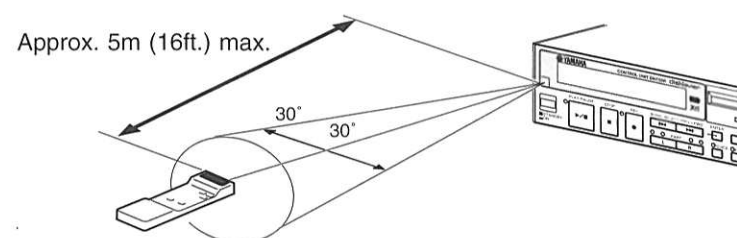
Battery Replacement

- When the remote control fails to work from a distance, replace the batteries.
- Replacement batteries should be UM-3, AA, R6P, or LR6 type.
- Always replace both batteries.
- If the remote control is not to be used for a prolonged period of time, remove the batteries to prevent possible damage by battery leakage.

Important: Be sure to read the section on handling batteries on page ii under “Important” included at the front of this manual for details on the safe handling of dry batteries.

Using the Remote Control

To use the remote control, point it at the remote control sensor on the Control Unit, as shown below, and press a button.



Chapter 5

Using Floppy Disks

Disklavier songs are stored on 3.5 inch MS-DOS 720 Kbyte format 2DD floppy disks and MS-DOS 1.44 Mbyte format 2HD floppy disks. These disks are reasonably robust, but some rules must be applied when using them. See “Handling Floppy Disks” below for details.

Handling Floppy Disks

Do not touch the surface of a disk.

Do not store or place disks near a television, radio, loudspeaker, or any other device that generates a magnetic field.

Do not expose disks to extremes of temperature or humidity. The working temperature range for disks is between 4°C and 52°C (40°F to 125°F).

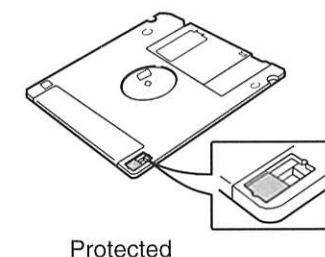
Do not use disks in a dusty, dirty or smoky environment.

Remove the disk before you turn off the Disklavier.

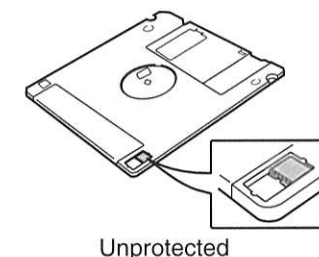
Accidental Erasure Protection

Floppy disks have an erasure protection tab which can be set so that the Disklavier cannot record new data onto the disk. This is useful for protecting valuable song data against accidental erasure and disk formatting. The protection tab is located on the reverse side of the disk, in the bottom right-hand corner.

With the tab window open, data is protected.



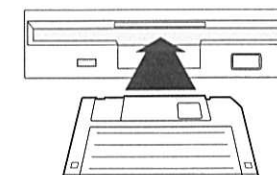
With the tab window closed, data is unprotected.



Inserting & Ejecting Floppy Disks

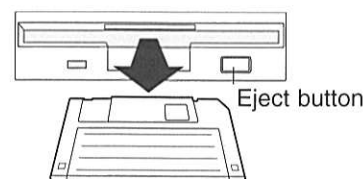
Inserting

Carefully insert the disk into the disk drive — shutter first, label side up, as shown. Push it until it clicks into place and the Eject button pops out.



Ejecting

To eject a disk, press the Eject button.



The disk will pop out. Remove the disk and return it to its case.

Note: Do not eject a disk during playback, recording, or when the message "WRITING TO DISK" is shown on the display and the RECORD indicator is flashing. Doing so could seriously damage the disk drive and the floppy disk.

Chapter 6 Display (LCD)

The display (LCD) is used in conjunction with most of the Disklavier's functions. This chapter describes some of the frequently displayed indications.

Various Displays

Song Number

The number of the currently selected song is displayed in two large digits.

Song number



Disk Title

When a PianoSoft disk or a floppy disk that you have titled yourself is first inserted into the disk drive, or when the Disklavier is switched on with such a disk already in the disk drive, the disk title scrolls across the display. When the Disklavier is switched on without a floppy disk in the disk drive, the title of the Memory Disk, if titled, scrolls across the display.

Song Title

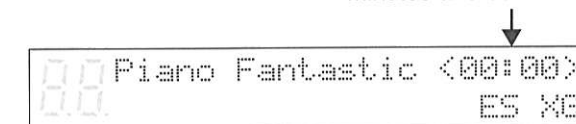
When the disk title has finished scrolling, the title of the first song on the disk appears. As different songs are selected, the corresponding song number and song title appear.

Time Display

Playing time is indicated in one of two formats:

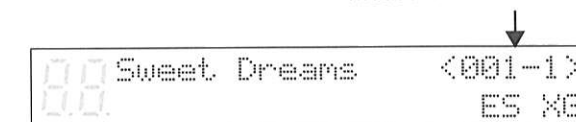
Minutes and seconds, as shown below,

Minutes and seconds display



or **Measures and beats**, as shown below.

Measures and beats display



When the time display format is measures and beats, the tempo of the song is also shown on the display in beats per minute (bpm).

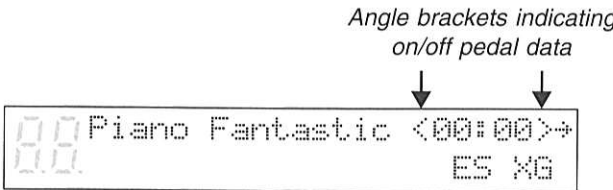
All PianoSoft disks use the minutes and seconds format. Songs that you record yourself will use the minutes and seconds format unless you use the metronome for recording, in which case the measures and beats format is used. Songs recorded with the measures and beats format can be converted to the minutes and seconds format. See "Changing the Song Time Display" on page 104.

Pedal Data

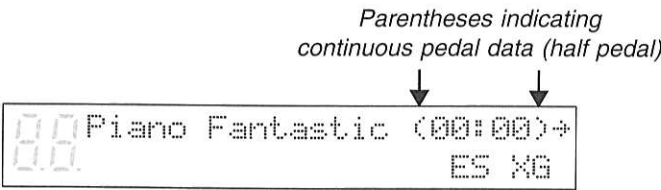
Songs supplied on PianoSoft disks may contain one of two types of Pedal data: on/off pedal data or continuous pedal data (half pedal).

Note: Although songs may contain continuous pedal data, they are played back as on/off pedal data with this model.

On/off pedal data turns the pedals on and off. It is indicated by angle brackets (< >) around the time display as shown below.

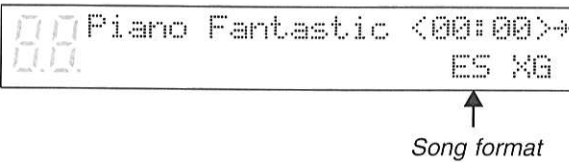


Continuous pedal data (half pedal) is indicated by parentheses (()) around the time display as shown below.



Song Format

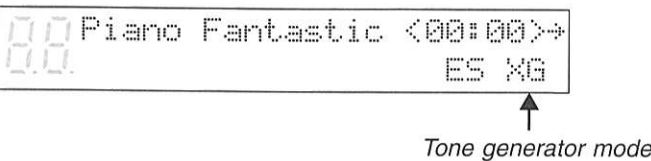
There are a couple of general formats in which song data is stored on disks. The song format of the selected song is indicated on the display as ES, S0 or S1. See Chapter 20 "Song and Disk Formats and Compatibility".



Symbol	Song format
ES	E-SEQ format
S0	SMF format 0
S1	SMF format 1

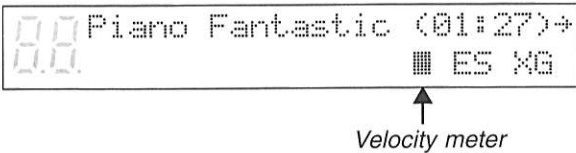
Tone Generator

The tone generator mode used by the selected song is indicated on the display during play: XG or GM. If the song uses the Disklavier's internal XG tone generator, the display will indicate XG. This display is replaced by the tempo display when tempo is being adjusted.

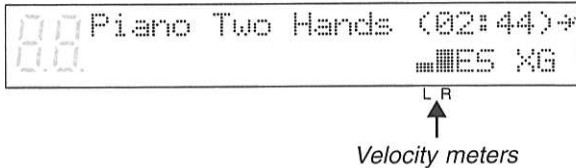


Piano Data Velocity Meters

The velocity of the piano part notes as they are played back is indicated on the display, as shown below.

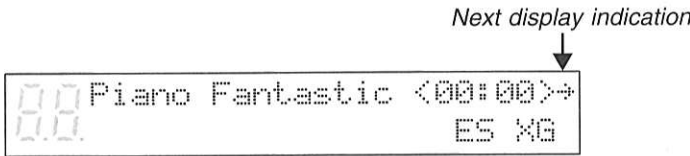


For L/R and Ensemble songs, two meters will appear, one for the left-hand part and one for the right-hand part, as shown below.



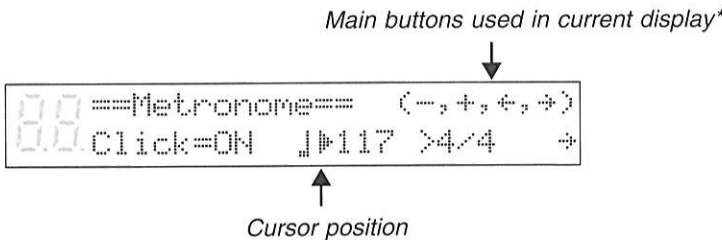
Next Display Indication

The arrow that appears on the far right of a display indicate that there is a relevant display before or after the current one. You can go to the previous or next display using the buttons.



Cursor

The cursor indicates the currently selected parameter.



* In this case, the buttons and the buttons are used to set the parameters in this display.

Chapter 7

Basic Playback

Disklavier playback functions can be used with all PianoSoft and PianoSoft-Plus disks or custom recordings stored on floppy disks or the Memory Disk.

If you are using the Disklavier for the very first time, you can use the enclosed Disklavier Sample Disk. A very short sample song is also stored in the Memory Disk for testing purposes.

Note: To play back a song stored in the Memory Disk, make sure there is no floppy disk inserted. If a disk is inserted, the Disklavier will play back the songs on the floppy disk. For more information on the Memory Disk, see Chapter 14 "Using the Memory Disk and Floppy Disks for Recording".

Starting Playback

1 Insert your song disk into the disk drive, as necessary.

To play back a song on the Memory Disk, do not insert a song disk. Proceed to step 2.

If the inserted disk is a PianoSoft disk or a titled floppy disk, the disk title scrolls across the display. When the disk title has finished scrolling, the number and title of the first song on the disk appear.

00 Piano Fantastic <00:00>
ES XG

Pressing the [STOP] button will stop the disk title scrolling and the number and title of the first song on the disk will appear instantly.

Note: The disk drive may occasionally produce a sound when the disk begins to spin. This is the normal sound of the disk drive starting to read or write to the disk; it does not indicate that there is anything wrong with the disk or disk drive.

2 To start playback, press the [PLAY/PAUSE] button.



The PLAY/PAUSE indicator lights and song No.1 starts playing. The time display starts counting up and the velocity meters show the velocity of the piano part notes currently being played, as shown.

00 Piano Fantastic <00:34>
ME5 XG

Pausing Playback

1 To pause playback, press the [PLAY/PAUSE] button.



Playback stops and the PLAY/PAUSE indicator flashes.

2 Press the [PLAY/PAUSE] button again to restart playback.



Stopping Playback

1 To stop playback, press the [STOP] button.

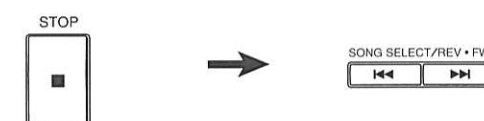


Playback stops and the song returns to the beginning.

Pressing the [STOP] button while in Pause mode cancels Pause mode.

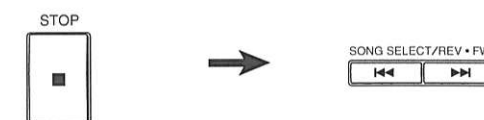
Selecting Songs with the Control Unit

1 To select the next song, stop playback, then press the [SONG SELECT ►►] button.



To select other songs on the disks, press and hold down the [SONG SELECT ►►] button until the number of the desired song appears.

2 To select the previous song, stop playback, then press the [SONG SELECT ◄◄] button.



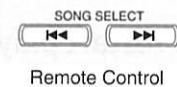
If the current song is the first song on the disk, pressing the [SONG SELECT ◄◄] button causes the disk title to scroll across the display. To stop the title scrolling, press the [STOP] button.

Selecting Songs with the Remote Control

Songs can be selected at any time using the remote control's [SONG SELECT] buttons or number pad.

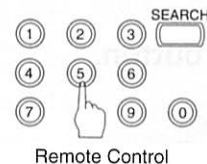
Using the [SONG SELECT] Buttons

- 1 Press the [SONG SELECT ◀◀] button to select the previous song. Press the [SONG SELECT ▶▶] button to select the next song.



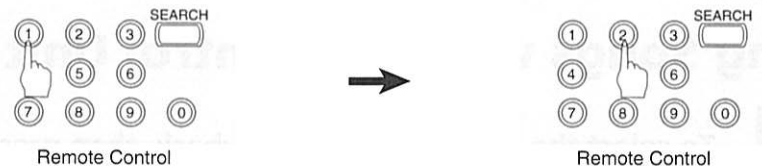
Direct Selection Using the Number Pad

- 1 To select a song from 1 to 9, press the corresponding number button.



To select song number 5 for example, simply press button [5].

- 2 To select a song numbered 10 and above, enter the first digit, then within 2 seconds, enter the second digit.



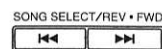
To select song number 12 for example, press button [1], then press button [2].

If a song number higher than that of the last song on the disk is entered, the last song on the disk is selected.

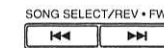
Fast Preview & Review

During playback, Fast Preview and Review allow you to quickly search through a song **with the piano still playing**. This is useful for locating a desired position within a song.

- 1a To preview, press the [SONG SELECT ▶▶] button.



- 1b To review, press the [SONG SELECT ◀◀] button.



- 2 To continue normal playback, press the [PLAY/PAUSE] button. To engage Pause mode, press the [STOP] button.

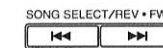
If a song is reviewed all the way back to the beginning, Pause mode is engaged. Pressing [PLAY/PAUSE] starts playback.

If a song is previewed all the way to the end, Pause mode is engaged. Pressing [PLAY/PAUSE] starts playback of the next song.

Fast Forward & Reverse

In Pause mode, fast forward and reverse allow you to quickly locate a desired position in a song. Fast Forward and Reverse search faster than preview and review and **the piano does not play**. Reverse can also be used to return a song back to the beginning, ready to play again.

- 1a To fast forward the song that is currently playing, press the [PLAY/PAUSE] button to engage Pause mode, then press the [SONG SELECT ▶▶] button.



- 1b To reverse the song that is currently playing, press the [PLAY/PAUSE] button to engage Pause mode, then press the [SONG SELECT ◀◀] button.



The PLAY/PAUSE indicator flashes quickly and the time display shows the current position.

2

To continue normal playback, press the [PLAY/PAUSE] button.
To engage Pause mode, press the [STOP] button.

If a song is fast forward all the way to the end, Pause mode is engaged. Pressing [PLAY/PAUSE] starts playback of the next song.

If a song is reversed all the way back to the beginning, Pause mode is engaged. Pressing [PLAY/PAUSE] starts playback.

Adjusting the Volume

The playback volume can be adjusted as desired. All songs are recorded at the maximum volume (level setting of 0), so the volume level can be decreased only down to -10.

The LED volume level indicators show volume levels from -10 to 0 in the method shown below. For example, when two consecutive indicators are lit, the volume level is between these two levels.

LED		LED	
Volume	-10 -8 -6 -4 -2 0	Volume	-10 -8 -6 -4 -2 0
0	○ ○ ○ ○ ○ ●	-6	○ ○ ● ○ ○ ○
-1	○ ○ ○ ○ ● ○	-7	○ ● ○ ○ ○ ○
-2	○ ○ ○ ○ ○ ○	-8	○ ○ ○ ○ ○ ○
-2	○ ○ ○ ● ○ ○	-9	○ ○ ○ ○ ○ ○
-4	○ ○ ○ ○ ○ ○	-10	○ ○ ○ ○ ○ ○
-5	○ ○ ○ ○ ○ ○		

Soft mode*

The volume level setting is remembered when another song is selected, another disk inserted, and when the Disklavier is switched off.

Note: This setting does not affect manual playing.

For Ensemble songs, the [-/NO][+/YES] buttons control the piano and internal XG tone generator simultaneously. See "Balancing the Ensemble Volume (TG Master Balance)" on the next page.

* Soft Mode

Volume setting in the range -7 to -10 will extend the soft pedal mechanism to greatly reduce the volume. This is called "soft mode."

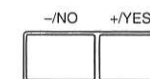
Note: "Soft mode" causes the keyboard to become uneven in some places, making it unfit for playing.

Note: When you want to stop playing back songs in "soft mode" and play the piano, be sure to power off the Disklavier by first switching off the Control Unit before switching off the MAINS switch. Otherwise, soft mode will not be released properly, causing the keyboard to become uneven and the piano action unfit for playing. (See "Power Off Procedure" on page 13.)

Note: You may hear a small hum from the motor when soft mode is engaged and disengaged. This does not indicate that there is anything wrong with the Disklavier.

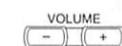
1a

Make sure that the VOLUME indicator is lit. If it isn't, press the Selector button until the VOLUME indicator lights. Then use the [-/NO][+/YES] buttons to adjust the volume.



1b

On the remote control, use the [VOLUME] buttons to adjust the volume.



Remote Control

The [-] button decreases the volume, and the [+] button increases the volume.

Balancing the Ensemble Volume (TG Master Balance)

When playing back Ensemble songs, it is useful to be able to balance the volume levels of the piano and Ensemble voices. In other words, the volume of the instrumental voices coming from the internal XG tone generator should not be too loud or too quiet compared to the piano played by the Disklavier.

There are two ways you can do this. One is to adjust the volume of the internal XG tone generator using the volume control on the connected speaker system. Another way is to use the TG Master Balance function explained below. Once you adjust the volume using the TG Master Balance function, you can conveniently increase or decrease the overall volume in a normal fashion.

Balance settings are stored in the Control Unit. They are remembered even when the Disklavier is switched off.

Note: To use the TG Master Balance function, be sure to set the speaker volume to an appropriately audible level.

1

Play an Ensemble song.

2

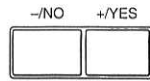
Press the Selector button until the BALANCE indicator lights.



The following display appears.

3

Use the [-/NO] [+ /YES] buttons to adjust the volume of the internal XG tone generator.



The TG Master balance can be adjusted from 10 to 127 or OFF (OFF: do not link with the internal XG tone generator). This setting is shown in the display on the right of the bar graph.

Adjust the level so that the Ensemble voices, played by the internal XG tone generator, are balanced with the volume of the Disklavier piano.

When TG Master Balance is set to OFF, the volume of the internal XG tone generator will be fixed and will not link with the volume of the Disklavier piano.

4

Press the Selector button until the VOLUME indicator lights.

The volume levels of the piano and Ensemble voices are now balanced. You can use the [-/NO] [+ /YES] buttons or the [VOLUME] button on the remote control to increase or decrease the overall volume.

Changing the Tempo

You can speed up or slow down the playback tempo. Slowing down the playback tempo can be useful when practicing a difficult piano part.

These tempo settings remain in effect until recording is started, the disk is ejected, or the Disklavier is switched off.

→ Tempo changes to songs that you have recorded yourself can be made permanent. See “Changing the Default Song Tempo” on page 61.

1a

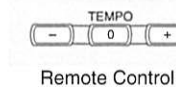
Press the Selector button until the TEMPO indicator lights. Then use the [-/NO] [+ /YES] buttons to adjust the tempo.



The playback tempo can be adjusted from -50% to +20% in 1% steps.

1b

On the remote control, use the [TEMPO] buttons to adjust the tempo.



The [-] button decreases the tempo, and the [+] button increases the tempo. The [0] button resets the tempo to 00%.

Once the tempo has been changed, the new tempo value will be shown continuously on the display.

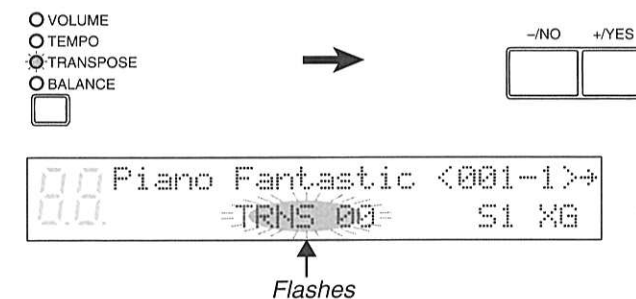
Transposing a Song

Playback can be transposed up or down by up to two octaves. This is useful when a singer or musician prefers a different key to the original recording.

Transposition changes remain in effect until recording is started, the disk is ejected, or the Disklavier is switched off.

1a

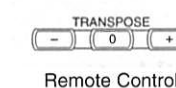
Press the Selector button until the TRANSPOSE indicator lights. Then use the [-/NO] [+ /YES] buttons to increase or decrease the transposition value.



Playback can be transposed in half-step increments up or down two octaves (-24 to +24).

1b

On the remote control, use the [TRANPOSE] buttons.



The [-] button decreases the transposition value, and the [+] button increases the transposition value. The [0] button resets the transposition value to 00.

Once transposed, the transposition value is shown continuously on the display.

Chapter 8

Repeat Playback

This chapter describes various repeat playback functions that you may want to use for entertainment and study purposes. You can play songs and specific passages within a song repeatedly.

All Repeat Playback functions are set using the remote control only. (They cannot be set with the Control Unit.)

All Song, Single Song, Random Repeat

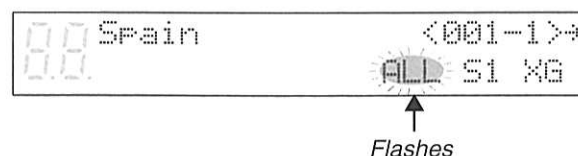
Using the [REPEAT] button on the remote control, you can select the following repeated playback modes.

Option	Description
ALL	All the songs on a disk are played repeatedly.
RPT	The selected song is played repeatedly.
RND	All the songs on a disk are played repeatedly in a random order.

- 1 To select a Repeat mode, repeatedly press the [REPEAT] button on the remote control until the name of the desired mode appears on the display: ALL, RPT, or RND.



The REPEAT indicator lights and the selected mode flashes on the display.



- 2 To start Repeat playback, press the [PLAY] button.



- 3 To cancel Repeat mode, repeatedly press the [REPEAT] button on the remote control until "OFF" appears on the display.



Segment A ~ B Repeat

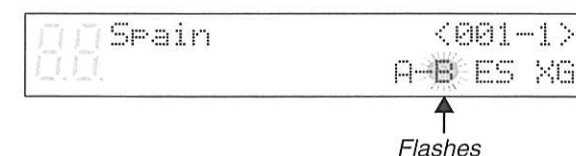
In Segment A ~ B Repeat, playback is repeated between two specified points in a song; point A and point B. This function is useful when practicing or memorizing a difficult section of a song.

Once specified, points A and B are remembered until the disk is ejected or the Disklavier is switched off.

- 1 To set the A point, start playback, then press the [A-B] button when the desired point is reached.



The A point is memorized and the "B" of "A-B" flashes on the display.



- 2 To set the B point, press the [A-B] button again.



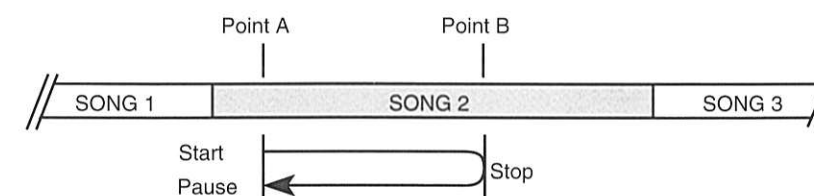
The B point is memorized and the "B" of "A-B" stops flashing.



- 3 To play back the specified section, press the [PLAY] button.

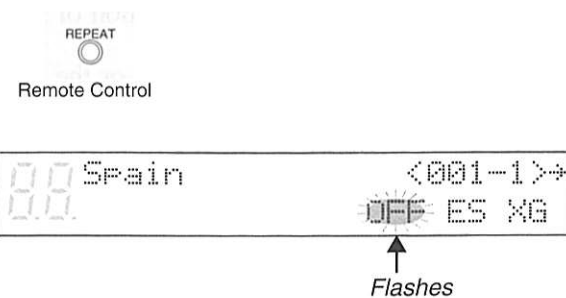


Playback starts from point A, continues up to point B and then stops. The song returns to point A and Pause mode is engaged.



4

To cancel Segment A ~ B Repeat, press the [REPEAT] button so that "OFF" flashes on the display.



Segment A ~ B Repeat is turned off, but points A and B are still remembered. Pressing the [A-B] button re-enables the mode.

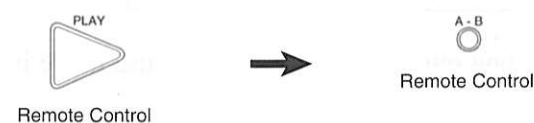


Segment A ~ (Return & Pause) Repeat

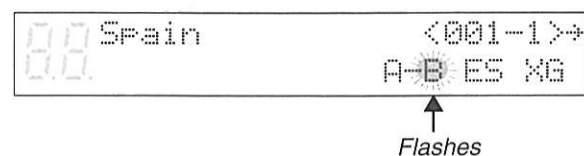
In Segment A ~ Repeat, playback can be repeatedly restarted from a specified point in a song. This is similar to Segment A ~ B Repeat except that only point A is specified. Like Segment A ~ B Repeat, this function is useful for practicing.

1

To set the A point, start playback, then press the [A-B] button when the desired point is reached.

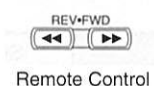


The A point is memorized and the "B" of "A-B" flashes on the display.

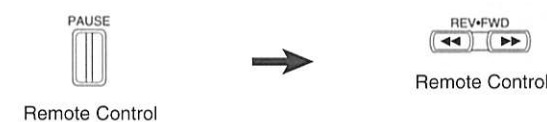


2

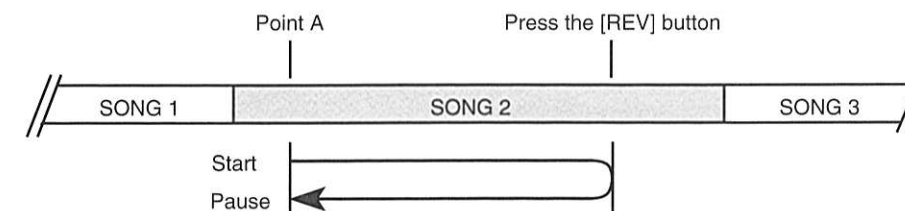
When you want to return to point A, press the [◀◀] button.



Alternatively, press the [PAUSE] button followed by the [◀◀] button to reverse to point A.



Playback stops, the song returns to point A, and Pause mode is engaged.



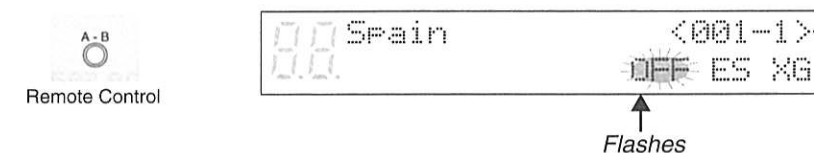
3

To start playback from point A, press the [PLAY] button.



4

To cancel Segment A ~ Repeat, return to point A, and in Pause mode press the [A-B] button so that "OFF" flashes on the display.



Note: Segment A ~ Repeat cannot be canceled during playback.

Starting Playback from a Specified Point (Search)

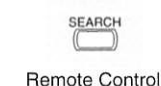
Playback can be started from a specified point in a song. Instead of using fast forward or preview, you can use this function to go directly to a desired point within a song.

If the current song uses the minutes and seconds time format, you specify the point in minutes and seconds. If it uses the measures and beats time format, you specify the point in measures and beats.

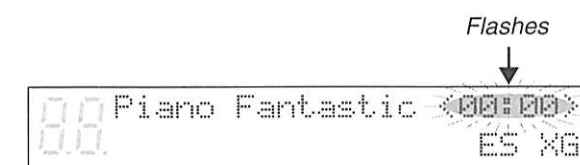
Once a time value has been entered, it is remembered until the disk is ejected or the Disklavier is switched off. So if you want to search for the same point again, just press the search button again.

1

Press the [SEARCH] button.



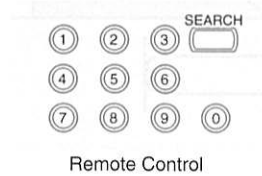
The time counter on the display flashes.



2

Enter the time that you want to search for.

For example, to search for 2:56, first press button [2], then button [5], then button [6].



00 Piano Fantastic <02:56>+
ES %G

If the time value is less than 10, that is, between 00:01 and 09:59, remember to press the [0] button first to set the first digit to zero.

If you enter a value higher than the entire song time, the search goes to the end of the song.

3

Press the [SEARCH] button again to begin the search.



If the Disklavier was already playing when you pressed the [SEARCH] button, playback will continue from the new point when the search is complete. If the Disklavier was not playing, Pause mode is engaged when the search is complete.

To search for a new point, repeat step 2.

Chapter 9 Auto Start & Space Playback

Auto Start enables you to set the Disklavier to automatically begin playback of songs stored either on the Memory Disk or floppy disk. Used in conjunction with a clock timer, songs can be automatically played back at a specified time.

Space Playback allows you to add specified intervals between songs.

Setting Auto Start

1

Press and hold down the [FUNC.] button while switching ON the Control Unit.

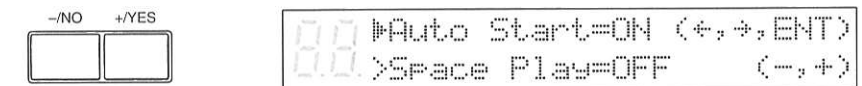


The following display appears.

00 Auto Start=OFF (+, +, ENT)
>Space Play=OFF (-, +)

2

With the cursor next to the Auto Start parameter, press the [+ / YES] button to set it to ON.



3

Press the [ENTER] button.

You can also store the Auto Start setting by switching OFF the Disklavier.

Auto Start

1

Insert a song disk into the disk drive, as necessary.

If you want to play back songs from the Memory Disk, make sure there is no floppy disk inserted in the disk drive.

2

Switch ON the Disklavier.

The Disklavier will automatically begin playing back songs on the disk; you do not need to press the [PLAY/PAUSE] button.

You can also insert the song disk after switching ON the Disklavier. The Disklavier will automatically begin playing back songs on the disk.

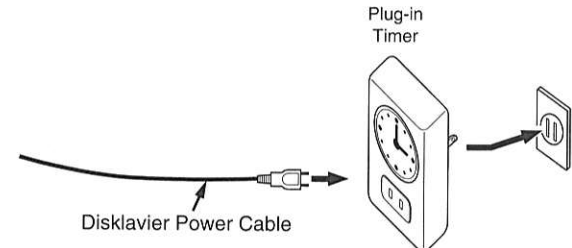
Timer-Controlled Playback

By using the Auto Start function and a clock timer, you can set the Disklavier to automatically begin playback at a specified time.

- 1
- 2
- Set the Auto Start function as described in "Setting Auto Start " on the previous page.

Switch OFF the Control Unit and then connect the Disklavier power cable to a clock timer as shown below.

Also refer to the clock timer operating manual for details.



Note: Be sure to switch OFF the Control Unit before disconnecting the Disklavier power cable from the AC outlet. Otherwise, volume and balance settings may be altered to inappropriate settings when the Disklavier begins Auto Start.

- 3
- 4
- 5
- Insert a song disk into the disk drive, as necessary.

If you want to play back songs from the Memory Disk, make sure there is no floppy disk inserted in the disk drive.

Set the clock timer as required.

Press the [STANDBY / ON] button to put the Control Unit in ON mode.

Be sure that the MAINS switch is on.

The Disklavier will automatically begin playback at the specified time.

Note: The [STANDBY / ON] button must be depressed in order for the Disklavier to begin playback at the specified time.

You can also replace the song disk after you set Timer-Controlled Playback.

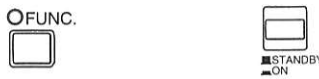
Volume and balance settings can be adjusted after playback begins, but the adjustments will not be saved when the Disklavier is switched OFF by the timer. In order to save the adjusted settings, manually switch the Disklavier OFF then ON again.

Depending on the capabilities of your clock timer, you can set the Disklavier to come on once, twice, or at regular intervals during the day.

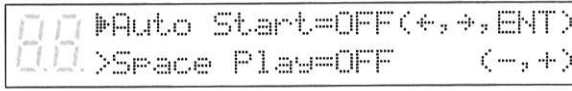
Setting Space Playback

This function allows you to specify the pause time between songs during Auto Start.

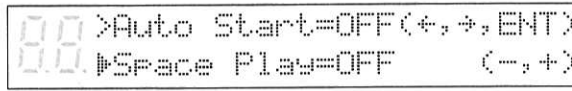
- 1
- Press and hold down the [FUNC.] button while switching ON the Control Unit.



The following display appears.



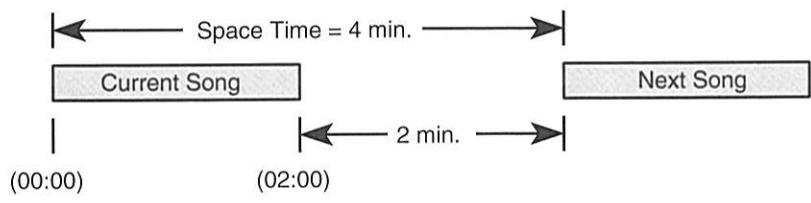
- 2
- Press the [→] cursor button to position the ► cursor next to the Space Play parameter, then use the [←/NO] [→/YES] buttons to set the mode.



The following settings can be made:

Option	Description
OFF	Standard pause between songs.
001 to 300 min.*	A pause of a specified duration.
STOP	The Disklavier stops after one song. (One song playback)

* Space time is the length of time from the beginning of one song to the beginning of the next, as shown in the following diagram.



- 3
- Press the [ENTER] button.

You can also store the Space Playback setting by switching OFF the Disklavier.

1

Insert a song disk into the disk drive, as necessary.

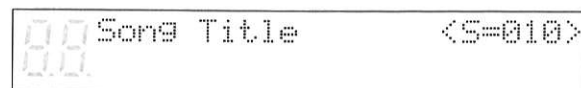
If you want to play back songs from the Memory Disk, make sure there is no floppy disk inserted in the disk drive.

2

Press the [PLAY/PAUSE] button.

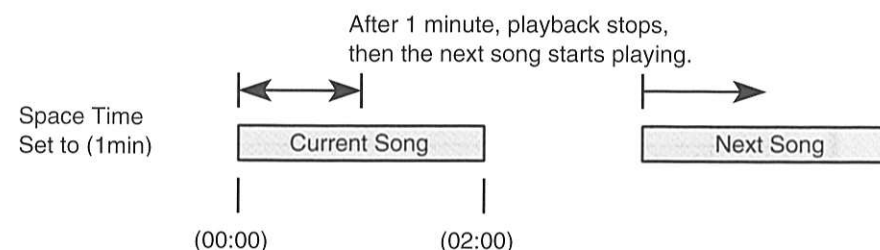
The Disklavier begins Space Playback.

During Space Playback, the space time is shown in the top right-hand corner of the display, and counts down until S=000.



The next song begins a minute after the counter shows S=000.

- If the current song is longer than the specified space time, the song is stopped when the space time has elapsed and the playback of the next song begins.



- If the current song is shorter than the specified space time, the Disklavier waits until the space time has elapsed to begin playback of the next song.
- If playback is paused, fast forwarded or rewind, space time is canceled and the space time counter returns to the standard time display.
- When you use the Song Select function to jump to a different song, space time counts down from the beginning of the selected song to the beginning of the next.

Chapter 10 Useful Functions for Learning Piano

This chapter describes useful functions for learning piano, such as practicing one hand while the Disklavier plays the other, operating the pedals, and using the built-in metronome.

Cancelling the Left-Hand or Right-Hand Piano Part

In L/R and Ensemble songs, the left-hand piano part is stored on track 1 (L) and the right-hand piano part is stored on track 2 (R). Either part can be cancelled using this Part Select function. This is useful when you want to practice one part yourself with the Disklavier playing the other.

1

When an L/R song is selected, the green PART indicators light.



2

To cancel the left-hand part, press the [PART L] button.
To cancel the right-hand part, press the [PART R] button.



The corresponding PART indicator flashes to show you that the part has been cancelled.

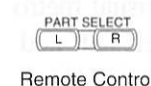
3

To switch a part back on again, press the corresponding [PART] button again.



4

A part can also be cancelled by using the [PART SELECT] buttons on the remote control.



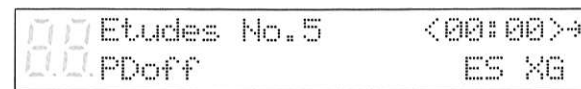
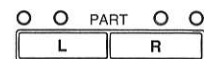
You can use this Part Select function in conjunction with the Pedal Cancel function on the next page to practice playing one part while the Disklavier plays the other part.

Operating the Pedals Yourself

During playback, the Disklavier pedals play the pedal data that was recorded with the song. If, however, you want to practice your pedal playing, you can cancel pedal playback and play them yourself.

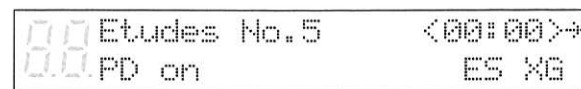
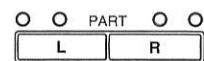
The Pedal Cancel function is set on the Control Unit.

- 1 Hold down the [PART L] and [PART R] buttons until "PDoff" appears on the display.



You can now play the pedals yourself. "PDoff" remains on the display until the pedals are turned on again.

- 2 To turn the pedals back on, hold down the [PART L] and [PART R] buttons until "PD on" appears on the display.



"PD on" flashes on the display for a few seconds, then goes off.

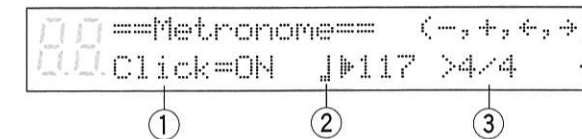
The pedals now play as normal.

Note: Even when PD on is set, the pedals do not move during song playback; only the internal mechanism operates.

- 1 To set the metronome, press the [METRONOME] button.



The METRONOME indicator lights, the metronome starts, and the following display appears.

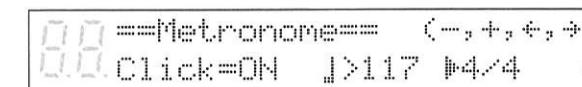


The symbol is used to show the currently selected parameter. It is moved by pressing the [◀] [▶] cursor buttons.

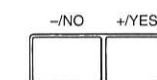
The following table shows the metronome parameters that can be set.

Parameter	Range	Default	Notes
① Click	ON/OFF	ON	Switches internal click on/off. If set to off, the volume indicators still flash
② Tempo	30 to 400 bpm	117	bpm (beats per minute), 1 beat = 1 quarter note (crotchet)
③ Time Signature	1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 8/4, 9/4	4/4	

- 2 Use the [◀] [▶] cursor buttons to position the cursor next to the parameter that you want to set: click, tempo, or time signature.



- 3 Use the [-/NO] [+/YES] buttons to set the selected parameter.



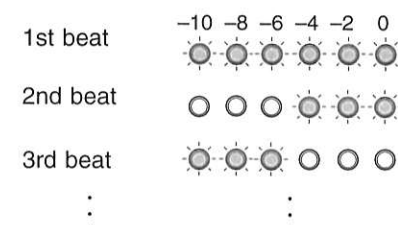
- 4 To stop the metronome, press the [METRONOME] button again.



Using the Metronome

The Disklavier's metronome can be used for practice playing, playback, and recording. You do not need to insert a floppy disk into the disk drive to use this function.

With each beat of the metronome a digital click is produced by the Control Unit. The click can be turned off. In addition to the click, the LED volume indicators function as a visual metronome. On the first beat of each measure, all the indicators flash. On the remaining beats, the left half and right half of the indicators flash alternately.



All metronome parameters are reset when a floppy disk is ejected or the Disklavier is switched off.

Playback with the Metronome

For songs recorded with the metronome using the measures and beats time format, you can play back the song along with the metronome.

1 Play a song recorded using the measures and beats time format.

2 During playback, press the [METRONOME] button.



The METRONOME indicator lights and the metronome starts to click to the tempo of the song.

3 To stop the metronome, press the [METRONOME] button again.



Note: This function cannot be used with songs recorded using the minutes and seconds time format.

Chapter 11 Playing the Keyboard with an Ensemble Voice

The Disklavier's [VOICE] button lets you assign a voice from the internal XG tone generator to accompany the piano you play yourself. The internal XG tone generator offers 480 instrumental voices (128 basic voices) and 11 drum kits for playing the keyboard.

Assigning an Ensemble Voice

You will hear both the piano sound coming from the Disklavier and an Ensemble voice produced by the internal XG tone generator in unison. This is sometimes referred to as voice layering or unison.

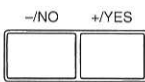
1 During playback or in Stop mode, press the [VOICE] button.



The VOICE indicator lights and the following display appears.

00 Voice#001<GrandPro>[GM]
Vol=100

2 Use the [-/NO] [+ /YES] buttons to select a voice number.



The voice name and number change accordingly.

00 Voice#020<ChrchOrg>[GM]
Vol=100

See the "Internal XG Tone Generator Voice & Drum Kit List" supplemented on pages 48 and 49 for a listing of basic voices.

Setting the voice to "##" produces no sound from the internal XG tone generator for the piano parts.

3 Press the [] cursor button, then use the [-/NO] [+ /YES] buttons to select a bank.



00 Voice#020<ChrchOrg2>[GM]
Bnk=035

The bank number of the selected voice appears temporarily in place of the Vol parameter. Bank number automatically returns to 0 when voice number is changed.

→ See “XG Normal Voice List” on pages 10 and 11 in the Appendix section for a full listing of available voices.

4

To adjust the volume, press the [↔] cursor button to position the cursor next to the Vol parameter, then use the [-/NO] [+ /YES] buttons to set a value.



Note: In Voice mode, the volume of the parts you play on the keyboard is set by the Vol parameter and is not affected by TG Master Balance.

5

To cancel this function, press the [VOICE] button again.



Chapter 12

Advanced Ensemble Song Playback

This chapter describes functions that will help you to better enjoy Ensemble song playback, such as tuning the tone generator, playing the piano parts on the tone generator, displaying Ensemble voices, and selecting tracks for the piano parts.

Tuning the Tone Generator (TG Master Tune)

The TG Master Tune function allows you to tune the internal XG tone generator so that it matches the Disklavier's acoustic piano.

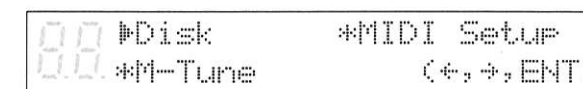
Tuning settings are remembered even when the Disklavier is switched off. Each time the Disklavier is turned on, the tuning settings are sent automatically to the internal tone generator, so you need only perform this fine tuning operation once.

1

Press the [FUNC.] button.



The FUNC. indicator lights and the following display appears.

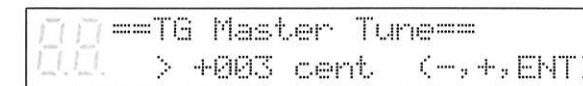


2

Press the [↔] cursor button to position the cursor next to the M-Tune option, as shown below, then press the [ENTER] button.



The following display appears.



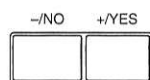
3

Play a key on the Disklavier keyboard.

This will cause the same note on the internal XG tone generator's digital piano voice as well as the acoustic piano to be sounded simultaneously.

Choose a key in the region where your sense of pitch is most sensitive (usually the A below Middle C is used for this).

- 4** Use the [-/NO] [+ /YES] buttons to tune the pitch of the digital piano (internal XG tone generator).



The tone generator can be tuned from -050 to +050 in 1 cent steps (100 cents equals 1 semitone).

- 5** When you've finished tuning, press the [ENTER] button to return to the normal display.



Playing the Piano Parts on the Tone Generator

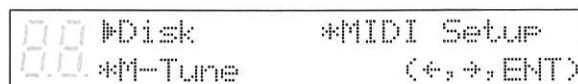
Normally, piano parts are played back by the piano. You can, however, change this so that the piano parts are also played by the internal XG tone generator or a MIDI instrument connected to the MIDI OUT connector.

You could use this to double up the Disklavier piano parts with a different voice, say strings or vibes. This technique is sometimes referred to as voice layering or unison.

- 1** Press the [FUNC.] button.



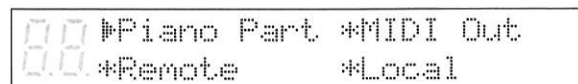
The FUNC. indicator lights and the following display appears.



- 2** Press the [➡] cursor button to position the cursor next to the MIDI Setup option, then press the [ENTER] button.



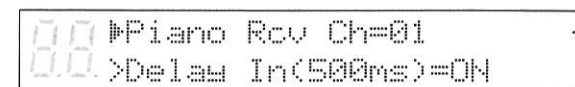
The MIDI Setup menu display appears.



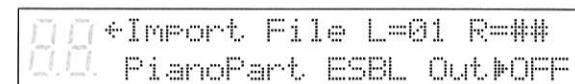
- 3** With the cursor next to the Piano Part option, press the [ENTER] button.



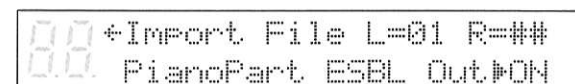
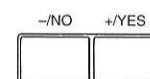
The following display appears.



- 4** Press the [➡] cursor button until the cursor is positioned next to the Piano Part ESBL OUT parameter.



- 5** Use the [-/NO] [+ /YES] buttons to set the option to ON.



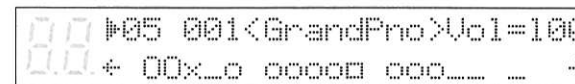
The piano parts are now played by the internal XG tone generator with the corresponding MIDI data being sent to the MIDI OUT connector.

Displaying Ensemble Voices

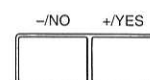
When an Ensemble song starts playing back, MIDI Program Change messages are sent to the internal XG tone generator. These Program Change messages tell the tone generator which voices to select for each ensemble track.

During playback, you can display the voice assignments of each track and make changes as you like.

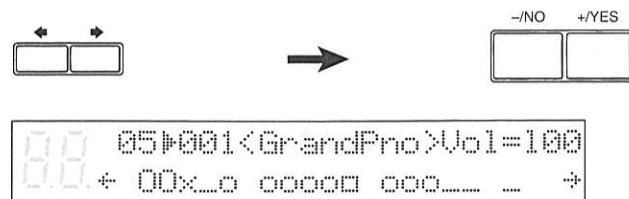
- 1** Play back an Ensemble song, and press the [➡] cursor button until the display below appears.



- 2** Use the [-/NO] [+ /YES] buttons to select the track whose voice you want to display.



- To change the voice, press the [↔] cursor button to position the cursor next to the voice number, then use the [-/NO] [+ /YES] buttons to select a voice.



See the “Internal XG Tone Generator Voice & Drum Kit List” supplemented on pages 48 and 49 for a listing of basic voices.

Note: Changes made above are temporary changes that are valid only during playback. To make permanent changes, see Chapter 18 “Editing Tracks”.

Selecting Tracks for the Piano Parts

Normally, the piano plays tracks 1 and 2, these being the left- and right-hand piano parts. However, you can change this so that the piano plays different tracks temporarily. For example, a vibraphone part on track 5, or a marimba part on track 7 could be played by the piano.

These assignments remain active throughout the song. However, when another PianoSoft or Disklavier song is played back, the piano will play tracks 1 and 2 as normal (L=01 and R=02).

The rhythm track (track 10) can be played on the piano. However, since this is a percussion part, the result will be odd, to say the least.

- Play back an Ensemble song then, press the [↔] cursor button.



A display similar to the following appears.

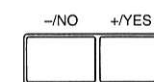


From the above display we can see that the Disklavier is currently set to play tracks 1 and 2. That is, “L=01” (track 1), and “R=02” (track 2).

- Press the [↔] cursor button to select the part whose track you want to change.



- Use the [-/NO] [+ /YES] buttons to choose a different track.



You can choose from the following options.

Option	Description
##	The piano does not play.
01 - 16	The piano plays the specified track.
Prg	The piano plays the smallest track that contains a piano group voice.
Prg(all)	The piano plays all tracks that contain a piano group voice.

The number of the chosen track appears next to L= or R=, and the □ symbol moves across the display, indicating which track the Disklavier will play.

Note: Changes made above are temporary changes that are valid only during playback. To make permanent changes, see Chapter 18 “Editing Tracks”.