Roland

MUSIC PLAYER

MT 80s

GENERAL MIDI GS

Owner's Manual

Features

Easy operation

You can enjoy music data as easily as on a CD player.

Convenient functions for practicing

You can adjust the tempo and use features such as the metronome, count-in, and repeat playback to efficiently practice your musical instrument.

Compact design includes built-in speaker

Since the speaker is built in, troublesome connections are not required.

Play or mute specific individual tracks

For example you might use this to learn just the piano part by listening to it by itself. Alternatively, you could mute just the piano part and play along with the orchestra part.

Standard MIDI File compatible

Since the MT80s is compatible with Standard MIDI Files, you can enjoy a wide selection of music data.

Sound generator supports both General MIDI System and GS Format

Music data bearing either the General MIDI or GS logo can be reliably played back.

Standard MIDI File music data you create on your personal computer for GM/GS sound sources can also be played.

Connect a microphone and sing along with music data

An echo processor is built-in—enhancing the excitement of "karaoke" sing-alongs accompanied by music data.

Table of Contents

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─

GROUNDING INSTRUCTIONS

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock.
This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded.
Do not modify the plug provided with the product — if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

─────For the U.K.─

WARNING: THIS APPARATUS MUST BE EARTHED
IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.
GREEN-AND-YELLOW: EARTH, 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 GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
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.

Introduction

Check the Included Items

Owner's Manual

Demo Song Data

AC Cord

Important Notes

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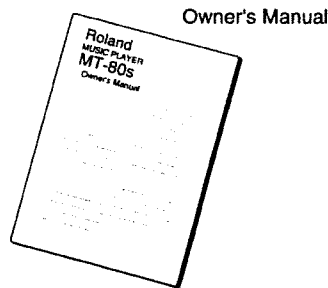
Power Supply

- 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.
- Observe the following when using the unit's disk drive. For further details, refer to "Before Using Disks".
  Do not place the unit near devices that produce a strong magnetic field (eg., loudspeakers).
  Install the unit on a solid, level surface.
  Do not move the unit or subject it to vibration while the drive is operating.
- Do not expose the unit to temperature extremes or install it near devices that radiate heat. Direct sunlight in an enclosed vehicle can deform or discolor the unit.

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.
- A small amount of noise may be heard from the display during normal operation.

3

Important Notes

Handling the drive

- Avoid using the unit in areas of high humidity (eg., condensation). High levels of humidity can adversely affect the operation of the drive and/or damage floppy disks. When the unit has been transported, allow it to warm to room temperature before operating.
- To insert a disk, push it gently but firmly into the drive — it will click into place. To remove a disk, press the EJECT button firmly. Do not use excessive force to remove a disk which is lodged in the drive.
- Never attempt to remove a floppy disk from the drive while the drive is operating (the indicator is brightly lit); damage could result to both the disk and the drive.
- Remove any disk from the drive before powering up or down.

Handling Floppy Disks

- Floppy disks contain a magnetic storage medium (much like magnetic recording tape). Please observe the following when handling floppy disks:

  Never touch the magnetic medium inside the disk.

  Do not subject floppy disks to temperature extremes (eg., direct sunlight in an enclosed vehicle). Recommended temperature range: 10 to 50°C.

  Do not expose floppy disks to strong magnetic fields, such as those generated by loudspeakers.

- Floppy disks contain a 'write protect' tab which can protect the disk from accidental erasure. It is recommended that the tab be kept in the 'PROTECT' position and moved to the 'WRITE' position only when you wish to write new data onto the disk.

Protect tab

Write (write enable)

Protect (write disable)
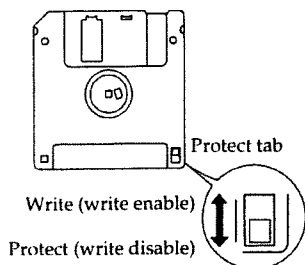
- The identification label should be firmly fixed to the disk. Should the label come loose while the disk is in the drive, it may be difficult to remove the disk.
- Put the disk back into its case for storage.

About the Carrying Handle

The MT80s has a carrying handle. Do not apply excessive force to this part, or swing the MT80s around by its handle.

Concerning Data Integrity

Unfortunately, it may be impossible to restore the contents of data that was stored on a floppy disk once it has been lost.

Roland Corporation assumes no liability concerning such loss of data.

GENERAL

General MIDI system

The General MIDI system is a set of recommendations which seeks to provide a way to go beyond the limitations of proprietary designs, and standardize the MIDI capabilities of sound generating devices. Sound generating devices and music data that meets the General MIDI standard bears the General MIDI logo ( ). Music data bearing the General MIDI logo can be played back using any General MIDI sound generating unit to produce essentially the same musical performance.


GS format

The GS format is Roland's unified set of specifications to standardize the MIDI capabilities of sound generating devices. Music data bearing the GS logo ( ) can be played back using any GS sound generating unit.

This product supports both the General MIDI system and the GS format, and can be used to play back music data carrying either of these logos.

1 Easy Operation of the MT80s

Demo song data is provided with the MT80s. In this section you will learn how to operate the MT80s while enjoying the music data from this disk.

Preparation

MT-80s Rear Panel
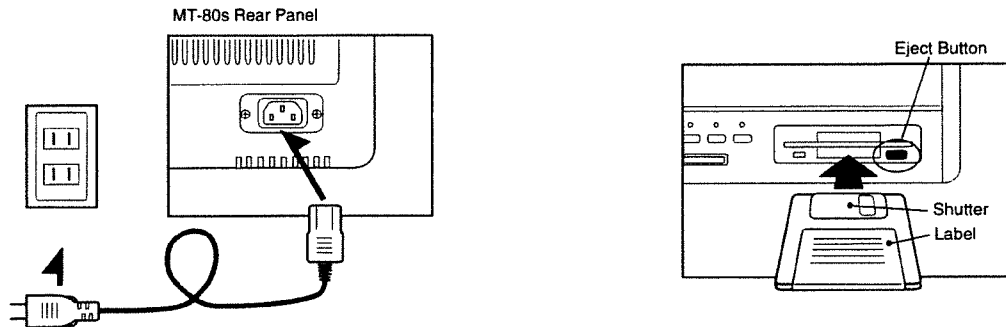
Connect the AC cord as shown in the above illustration.
Press the power switch located on the front panel, and the display and indicators of the MT80s will light.

As shown in the illustration, insert the included Demo Song Data into the disk drive. (Page 24 provides details on the contents of the demo song data.)

Listening to the Music

Play, Stop, Reset

Volume
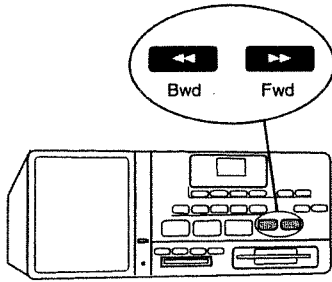

Measure

Reset   Stop   Play
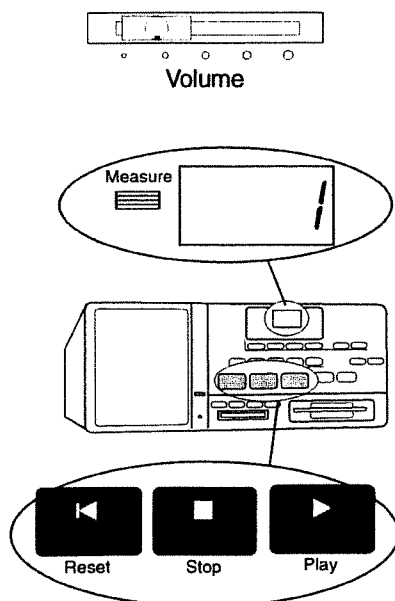
To avoid being jolted by a surprisingly loud sound, slide the Volume Slider to a fairly low position before starting, as shown in the illustration at left. If the volume is at too high a level, the music may sound distorted. Adjust the volume to an appropriate level.

1. Press the Play button and playback will begin.

   The measure mark in the display will light and the measure will be indicated. Adjust the volume appropriately.

2. When you finish listening to the song, press the Stop button to stop playback.

3. If you wish to hear the song once again from the beginning, press the Reset button to return to the beginning of the song, and then press the Play button.

   "PU" means that a few notes exist before the first bar. These are called "Pick Up" note.

By pressing these buttons you can forward or backward.

If you continue holding down a button, the Forward or Backward operation will be consecutive.

Each time you press one of these buttons, the song will Forward or Backward one measure.

> When the measure number in the display is blinking ...
> This indicates that the disk drive is operating and that the MT80s is temporarily not accepting commands. In a short time it will return to normal.

> When you press the Play button at the end of the song, the display may indicate "End" as shown at left. In this case, either press the RESET button to return to the beginning of the song, or select another song before starting playback.

Connecting Headphones
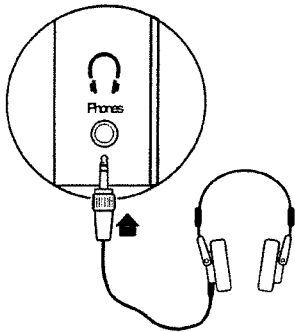
If you wish to use headphones, connect them to the Phones jack located on the front panel.

If headphones are connected, the speaker will be muted. (The sound will be output in stereo from the Phones jack.)

Selecting a Song
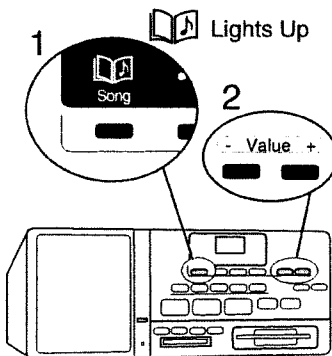
To select a song, first press the Stop button to stop playback.

1. Press the Song button, and confirm that the song indicator has lighted.

   (The display will indicate the song number.)

2. Press the Value (-,+) buttons to select a different song.

3. Press the Play button.

   > When one song plays to the end ... Playback will stop automatically. (You can also play back all songs successively. See p. 10.)

Adjusting the Tuning to Match a Piano
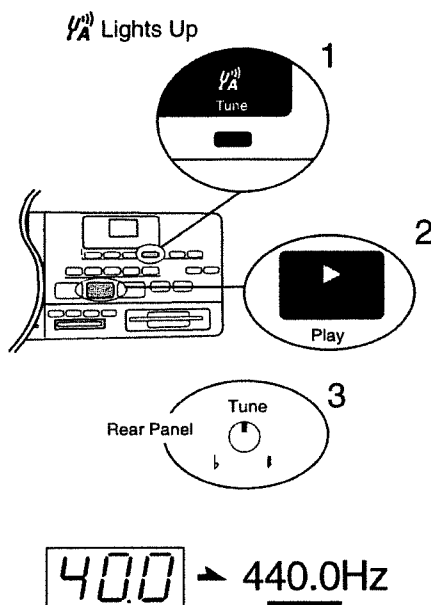
The MT80s allows you to precisely adjust its pitch. Match the pitch of the MT-80s and the piano, and play in beautiful harmony. Adjust the tuning before you begin practicing.

∮⁾⁾ₐ Lights Up

400 ← 440.0Hz

1. With playback stopped, press the Tune button.

   The Tune indicator will light.

2. Next, press the Play button, and the tuning tone (the pitch of middle "A") will sound.

3. Play this note together with the middle A note (A4) of the piano. Adjust the rear panel Tuning knob so that the beating disappears.

   Rotate the Tuning knob clockwise to raise the pitch, and counterclockwise to lower it.

   Normally, the tuning will match with a setting of 440.0—442.0 Hz.

4. When you finish the adjustment, press the Stop button twice.

   The song number will appear.

   > You can also change the pitch of the standard tone used for tuning. For details refer to page 15.

   > As you rotate the Tuning knob, the display will indicate the frequency of the pitch. When the knob is in the center position, middle "A" has a frequency of 440.0 Hz (since the hundreds place is omitted, the display will show 40.0).

Changing the Tempo

It may be difficult to play along with a new song at the tempo of the playback. You may wish to practice at a slower tempo until you can play each note accurately.

♩ = Lights Up
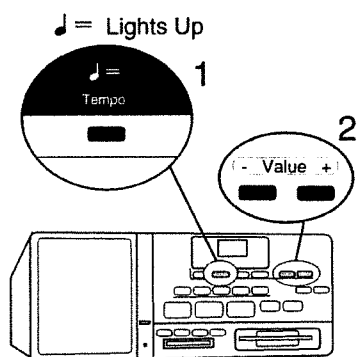
1. Press the Tempo button.

   The tempo indicator will light, and the tempo will be displayed.

   > When you press this during playback, it will blink for several seconds. While it is blinking, perform the following procedure.

2. Press the Value buttons.

   Pressing the + button will make the tempo faster, and pressing the - button will make it slower.

3. When you finish making settings, press the Tempo button once again to return to the song number.

   > The most suitable tempo for each song is specified within the music data of the song. You can always restore this recommended tempo (even after changing the tempo) by holding down the Tempo button and pressing the Reset button

   > The tempo can also be changed by pressing the Value buttons during playback.

Using the Track Buttons

Songs 1 through 9 and 14 through 16 of the included demo song data allow you to play back the right and left hand parts of the piano performance separately, or to listen only to the accompaniment.

Press the track buttons (R, 1, 2, 3, or 4) located on the front panel to select whether the track (rhythm, accompaniment, piano right hand, and piano left hand) will either play (indicator lighted) or be muted (indicator dark). When a Track button does not light when pressed, it means that the track contains no data.
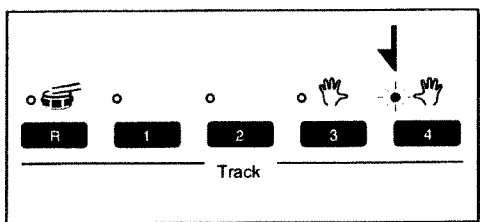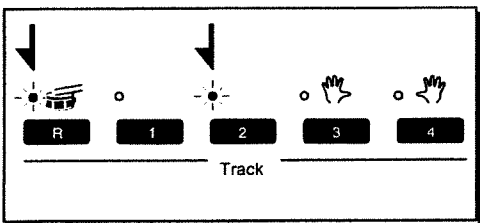
Listening to the right hand alone

Press the Track button as shown at left, so when you press Play, you hear only the right hand part for the piano. This lets you clearly hear what the right hand plays without having to listen to the other parts.
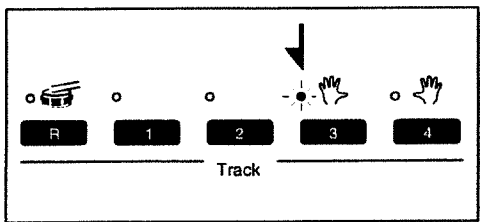
Listening to the left hand alone

In the same way, you can listen to the left hand part by itself.

Listening to the accompaniment alone

Now let's play only the accompaniment that is playing along with the piano. Notice how the orchestra is supporting the piano performance.

Roland Piano Digital-compatible music data is created to allow this type of piano practice ("each hand separately" or "accompaniment only").

In this way, various settings for the track buttons allow you to "follow along" with the playback, or to play while being accompanied. You will probably discover a great variety of practice possibilities.

Sounding the Metronome

For songs with an unusually fast or slow tempo, it may sometimes be difficult to grasp the tempo and play accurately with it. In such cases, you may wish to have the metronome sound while you practice.
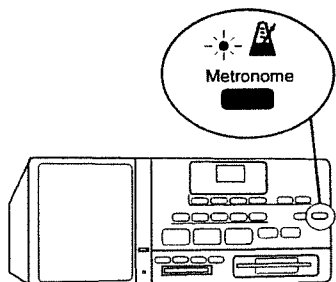
Press the Metronome button.
The metronome indicator will light, and the metronome will begin sounding.
Press the button once again and it will stop.
The volume of the metronome is adjusted by the Metronome Volume knob located on the rear panel.

> You can also adjust the timing at which the metronome sounds, and its time signature. For details refer to page 14.

Adding a Count-In Before the Song Begins Before the Song Begins

With some music data, the piano part begins as soon as you press the Play button. When practicing such songs, it is convenient to add a count-in at the beginning of the song.
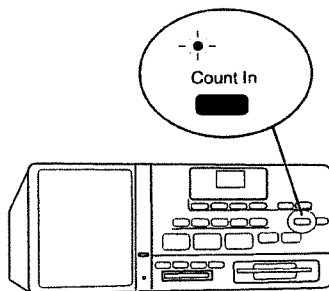
Press the Count-In button.
When you press the Play button, the song will begin playing after a two measure count-in.
To turn off the count-in, press the Count-In button once again.

Playing music data containing a PU (Pickup) measure

Counting begins here
when you press [Play]   Start of play

-1   PU   1   2   3
Measure number on the display

9
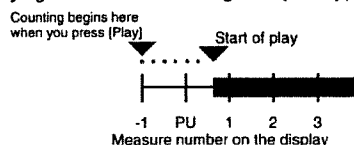
2 Convenient Ways to Use the MT80s

Using Repeat Playback

Repeating One Song

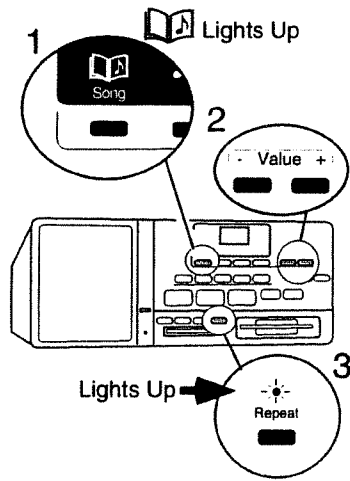Select the song that you wish to play back repeatedly.

1 [book icon] Lights Up

2 [- Value +]

Lights Up ➔ [Repeat] **3**

1. Press the Song button so that the song number appears in the display.
2. Use the Value buttons to select the number of the song that you wish to repeat.
3. Press the Repeat button to make the indicator light.
4. Press the Play button, and repeat playback will begin.

Repeating All Songs on Disk (All Song Play)

This function will play back all songs on disk in succession. When the last song has been played, playback will continue from the first song.

1 [book icon] Lights Up
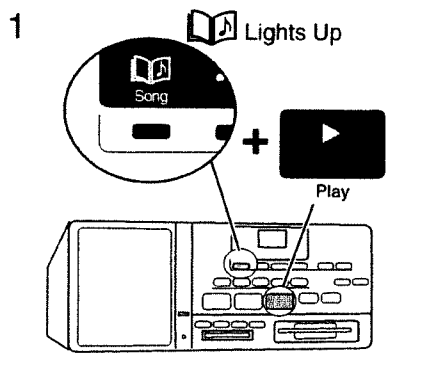
[Song] + [Play]

1. While holding down the Song button, press the Play button.
2. The display shown at left will appear, and All Song Play will begin.

2 $\boxed{A \quad 1}$ Song Number

'A' Stands for "All Song Play"
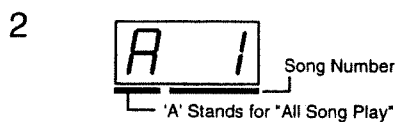
Playback will start with the song that was last selected before you started All Song Play.
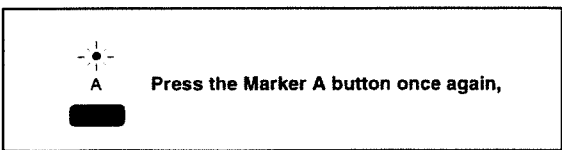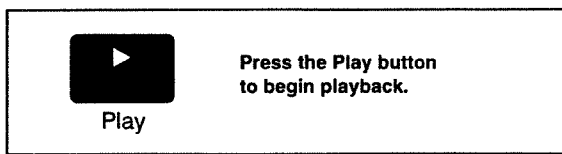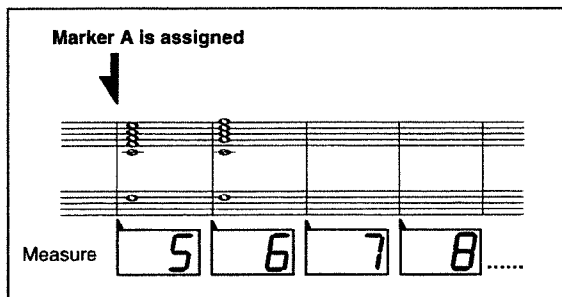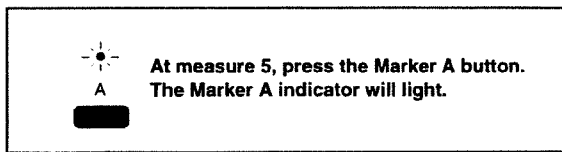
Marking a Location That You Wish to Practice Repeatedly

The marker function lets you mark a section that you wish to practice over and over. You can then play back and return to the marked location simply by pressing a button, or automatically repeat playback of the specified area.

Jumping to a Marker

Specify the beginning point of the area that you wish to practice.
(For example, measures 5 and following.)
Use the Forward and Backward buttons to select the measure number.

⬇

-⦿-
A **At measure 5, press the Marker A button.**
The Marker A indicator will light.

⬇

Marker A is assigned

Measure | 5 | 6 | 7 | 8 | ......

⬇

▶
Play **Press the Play button to begin playback.**

⬇

-⦿-
A **Press the Marker A button once again,**

⬇

and you will jump to the location of Marker A, and playback begins immediately.

There are two ways to mark a location:

While stopped, use Backward or Forward to determine the location, and press the Marker button.

While playing, press the Marker button at the appropriate moment.

marked location
▽ ▼
1 measure   2 measure
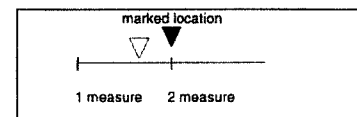
If you press the Marker button at the timing of ▽, the mark will automatically be assigned at the nearest measure boundary.

To erase a marker, hold down the Marker Clear button and press the Marker button.

Marker B can be used in the same way as Marker A, but it is not possible to place Marker B on a measure earlier than Marker A. Nor can both markers be placed in the same measure.

11

Repeat Playback Between Markers

Specify the area that you wish to practice.
(In this example, measures 5 through 8.)

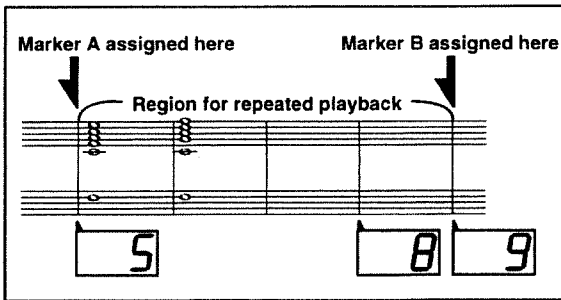**Use the Forward or Backward buttons to select the measure number.**

⬇

A	**Press the Marker A button at measure number 5, and the Marker B button at measure number 9.**

⬇

Marker A assigned here   **Marker B assigned here**

Region for repeated playback

5   **8** **9**

⬇

Repeat	**Press the Repeat button to make the indicator light.**

⬇

Jump to Marker A.

⬇

▶ Play	**Press the Play button to begin playback.**

⬇

Material between markers A and B is repeated.

Use the procedure given at left to repeatedly play back the area between the markers.

Repeat playback when only Marker A is lit ... will repeat from Marker A to the end of the song.

Repeat playback when only Marker B is lit ... will repeat from the Top of the song to Marker B.

Top of song   Marker A   End of song
Repeated region

Top of song   Marker B   End of song
Repeated region
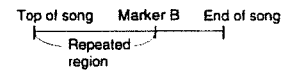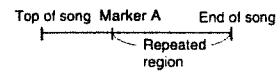
Changing the Key

You can transpose the playback of the MT80s in semitone steps. If your printed music is in a different key from the music data, you can use this function to transpose the playback of the MT80s so that it matches the printed music.

The pitch can be transposed by as much as 6 semitones down or 5 semitones up.

1. Press the Transpose button.

The indicator above the button will light, and the transposition display will appear.

> When you press this during playback, it will blink for several seconds. While it is blinking, perform the following procedure.

2. Use the Value buttons to change the key.

Press +button to raise the pitch by a semitone, and -button to lower it by a semitone.

(Example) If you want a song in "D" to play back in "C," make a setting of -2.
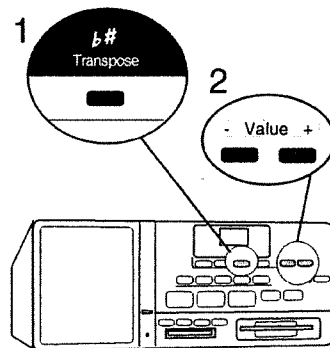
Practice without Tempo Changes

Some music data contains tempo changes to add expression to the song. At first, it may be difficult to follow along with these tempo changes. In such cases, you can practice without the tempo changes.
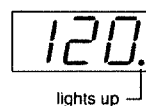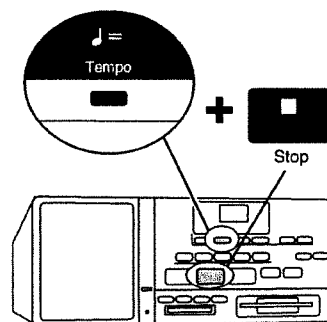
Hold down the Tempo button and press the Stop button.

The display shown at left will appear, and tempo changes will be omitted from the playback.

> To turn tempo changes back on, hold down the Tempo button while you press the Play button.

3 Other Functions

Changing the Metronome Timing

You can change the timing at which the MT80s metronome sounds.

When the power is turned on, the metronome timing will be set to " -," but when music data is played back, it will automatically change to the timing specified by that song.

Hold down the Metronome button and press the Backward/Forward buttons.

The following display will appear.

Shown in display	16	$8.$	8	$4.$	4	2	–
Set timing	♬	♪.	♪	♩.	♩	♩	The value specified by the music data

Reverts to " - " whenever song is selected.

Changing the Metronome Time Signature

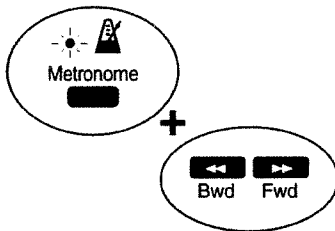You can change the time signature of the metronome.

When the power is turned on, the time signature will be 4/4, but when music data is played back, it will automatically change to the time signature specified by that song.
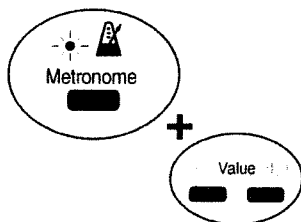
Hold down the Metronome button and press the Value buttons (+/-) to change the time signature.

The following display will appear.

Shown in display	0.4	2.4	3.4	4.4	5.4	6.4	7.4	3.8	6.8	9.8	12.8
Selected time signature	$\frac{0}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{4}{4}$	$\frac{5}{4}$	$\frac{6}{4}$	$\frac{7}{4}$	$\frac{3}{8}$	$\frac{6}{8}$	$\frac{9}{8}$	$\frac{12}{8}$

If the music data has a time signature with a two-digit denominator, the display will be as shown at right. (Example) $\frac{8}{16}$ $8.-$

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Changing the Note Used for Pitch Adjustment

The note used for pitch adjustment can be changed to a note other than middle "A" (A4). This can be changed in the range of "A3–A4–A5."
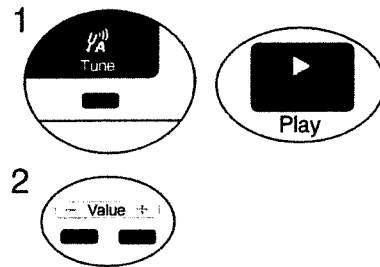
1. Press the Tune button and then press the Play button.

2. The tuning pitch will sound, and "A4" will appear in the display.

   Now use the Value buttons (-,+) to change the note. Pressing the + button will raise the note, and pressing the - button will lower the note.

(Example display) when G#4 is selected

indicates a #

Press the Stop button twice to return to the song display.(At this time, the value will be reset to A4).

Tuning to a lower pitch for Baroque music
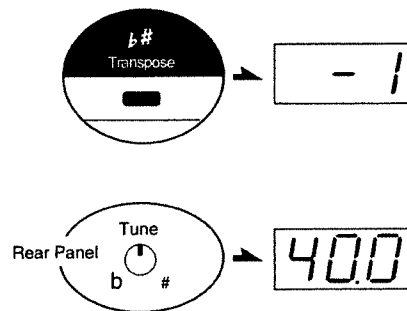
Compared to the present standard pitch, Baroque music was played approximately one semitone lower (middle A=approximately 415Hz).
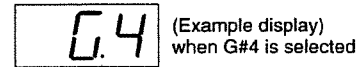You can enjoy the Baroque music with the tuning of the MT-80s to 440.0 Hz and the transpose function to lower the pitch a semitone.

To tune the MT-80s to an Instrument for Baroque music, change the note used for pitch adjustment from A4 to G#4 (a semitone lower), play a middle A note, and adjust the knob located on the rear panel until the sound no longer beats with middle A of the other instrument. (Refer to p.7, above.)

Listen in stereo using external audio equipment

By connecting the rear panel Output jacks to external audio equipment, you can also play back in stereo.
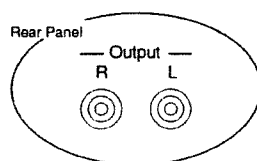
Before making connections, turn off the power on the MT-80s, and on all external equipment.

Use separately available RCA phono plug cables to make connections.

Using a Foot Pedal to Start/Stop Playback

By connecting a foot pedal (DP-2; sold separately), you can use the foot pedal to start or stop playback—convenient when both hands are occupied with playing the piano.

1. Connect the foot pedal to the rear panel's Start/Stop jack.

2. Playback will begin when you press the pedal.

   Playback will stop when you press the pedal once again.

Connecting a Microphone

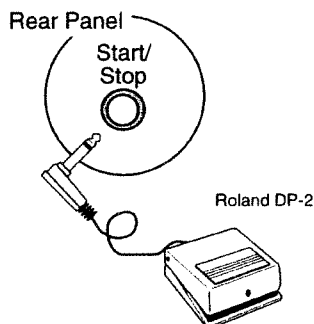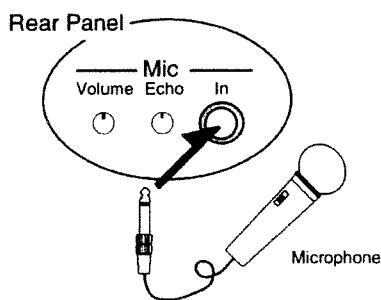By connecting a microphone (sold separately) to the MT80s you can output sound from its built-in speaker. Since echo can be added, you can use this for karaoke, etc.

1. Rotate the Mic Volume knob located on the rear panel all the way to the left, and connect a microphone to the Mic In jack.

2. Use the Mic Volume knob to adjust the volume.

3. Use the Mic Echo knob to adjust the amount of echo.

   Rotating it to the left will decrease the amount of echo, and rotating it to the right will increase the echo.

About the MIDI In Connector

The MIDI In connector allows an external MIDI controller to be connected to the sound generating section (the section that contains the instrument sounds) inside the MT80s.
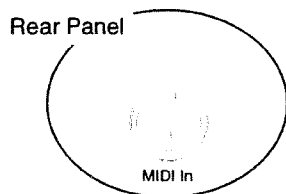
A MIDI cable (sold separately) can be connected between the MIDI OUT connector on a MIDI keyboard (such as the Roland PC-180) or on a MIDI pad controller (such as the Roland SPD-11) and the MIDI In connector on the MT80s. You will then be able to play the instrument sounds contained in the MT80s.

To select instrument sounds on the MT80s (or send other messages) from the MIDI keyboard or MIDI pad controller, you will need to operate these MIDI devices. For details refer to the manual for them.

4 About Music Data

Types of Music Data That the MT80s Can Use

Roland Piano Digital-compatible music data

This is Roland's own music data created for piano lessons. Some data is for use with exercise books, and allows detailed practicing with left and right hands separately, etc.

This data is ideal for practicing the piano with the MT80s.

SMF Music Data (Standard MIDI File music data)

SMF (Standard MIDI File) is a data format that was created to provide music data compatibility between manufacturers. Music data created on a personal computer, etc., can be used by the MT80s in this format.

For playback on the MT80s, use SMF data that carries the General MIDI or the GS logo.

SMF music data in a wide variety of genres is available from various companies, for listening enjoyment or for practice, etc.

Music Data and the Track Buttons

The assignments of each track button (p.8) to R, 1, 2, 3, and 4 will differ depending on the type of music data being used.

Roland Piano Digital compatible music data

The track assignments are made appropriately for piano practice. For details refer to p.8.

SMF music data (Standard MIDI File music data)

SMF music data consists of up to 16 parts. When it is played back on the MT80s, the data will be assigned to the five tracks as follows.

Track button	SMF part
R	rhythm part
1	part 1
2	others
3	part 3
4	part 4

The General MIDI System and GS Format

GENERAL MIDI   What is the General MIDI System?

The General MIDI System is a universal set of specifications for sound generating devices. These specifications seek to allow for the creation of music data which is not limited to equipment by a particular manufacturer or to specific models.

The General MIDI System defines things such as the minimum number of voices that should be supported, the MIDI messages that should be recognized, which sounds correspond to which Program Change numbers, and the layout of rhythm sounds on the keyboard. Thanks to these specifications, any device that is equipped with sound sources supporting the General MIDI System will be able to accurately reproduce General MIDI Scores (music data created for the General MIDI System), regardless of the manufacturer or model.

GS   What is the GS Format?

The GS Format is a standardized set of specifications for Roland's sound sources which defines the manner in which multi-timbral sound generating units will respond to MIDI messages. The GS Format also complies with the General MIDI System. The GS Format also defines a number of other details. These include unique specifications for sounds and the functions available for Tone editing and effects (chorus and reverb), and other specifications concerning the manner in which sound sources will respond to MIDI messages.

Any device that is equipped with GS Format sound sources can faithfully reproduce GS Music Data (music data created under the GS Format).

This product supports both General MIDI and GS. Music data which carries either of these logos can be accurately reproduced.

The GS logo (**GS**) is a trademark of Roland Corporation.

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Playing SMFs Created on a Personal Computer

Standard MIDI File data created on an IBM PC or compatible computer for playback on a General MIDI/GS sound source can be played back on the MT80s just as it is.

Standard MIDI File data created on an ATARI or an Apple Macintosh series computer for playback on a General MIDI/GS sound source can be played back on the MT80s only if you first save it from the computer onto a 3.5 inch 2DD floppy disk that was formatted on the MT80s. Use the following procedure:

1. Use the MT80s to format the disk.

    When you format the disk, all data that was on the disk will be lost.

2. Have ready a 2DD type floppy disk.

3. While holding down the Marker Clear button, insert the disk to be formatted into the disk drive.

    Continue pressing the Marker Clear button until the display shows "For". (Which means: "Format the disk?")

    To carry out the formatting, press the Play button. To cancel, press the Stop button.

4. Press the Play button and the display will indicate "Sur."

    (Which means: "Are you sure?")

5. If you wish to execute, press the Play button. To cancel, press the Stop button.

    If you press the Play button, formatting will begin. The display will indicate F80 -> F79 -> F78 ..., and when this reaches F 0 formatting is complete.

6. Using your personal computer, save the SMF (Standard MIDI File) music data onto this disk.

In order to use SMF format data from a personal computer, you also need to make sure that the filename consists of up to 8 characters. Add a filename extension of ".MID" after the filename.

If the filename extension is not added or if it is incorrect, the MT80s will not be able to recognize that file. Also be sure that the data is converted into SMF format 0. If the data is in format 1, it may not be played correctly.

Now the data can be played back on the MT80s.

Important

> If you are using an Apple Macintosh series computer, use "Apple File Exchange" or "Macintosh PC Exchange" in order to have the computer recognize the MT80s disk.
>
> It may not be possible to play back excessively large files.
>
> Roland cannot recover nor provide any guarantee regarding data that may be lost or erased by a malfunction of the MT80s.

IBM PC is a registered trademark of the International Business Machines Corporation.

Apple and Macintosh are registered trademarks of Apple Computer, Inc.

Macintosh PC Exchange is a trademark of Apple Computer, Inc.

ATARI is a registered trademark of ATARI Corporation, Inc.

5 Appendix

List of Error Displays

If a problem occurs in the operation of the MT80s or in the music data, one of the following indications will appear in the display. The error display will disappear when you press the Stop button. Refer to the appropriate "action" for the display that appears.

E.02

Meaning : The protect tab of the disk is in the "write protect" position.

Action : Move the tab to the "write enable" position.

E.03

Meaning : Master disks cannot be formatted.

Action : Use a fresh disk that can be written to.

E.13

Meaning : The disk was removed during formatting.

Action : Try the operation once again. (Never remove a disk until formatting is complete.)

E.14 / E.23

Meaning : A damaged sector was found on the disk.

Action : This disk cannot be used.

E.20

Meaning : This type of disk cannot be read.

Action : Use Roland SMF music data, or music data compatible with Roland Piano Digital.

E.21

Meaning : This type of music data cannot be read.

Action : Use Roland SMF music data, or music data compatible with Roland Piano Digital.

E.22

Meaning : The disk was removed during reading.

Action : Insert the disk and try the operation again from the beginning. (Never remove a disk while the disk drive indicator is brightly lit.)

E.24

Meaning : Disk reading speed was insufficient for song playback.

Action : Press the Stop button. Press the Reset button, and then press the Play button once again.

E.30

Meaning : The size of the music data is too large to play back.

Action : The MT80s is not able to play back this data.

E.40

Meaning : Too much MIDI data was received all at once, and the MT80s could not process it correctly.

Action : Check the music data being transmitted to the MT80s.

E.41

Meaning : The MIDI cable was pulled out or is damaged.

Action : Check the MIDI cable and MIDI connections.

Troubleshooting

If you have problems, check the following points.

- No sound

  Is the MT80s Volume Slider set too low?

  Is the Play button indicator lit? If it is dark, check the following points.

  1. Is the disk containing the music data inserted properly in the disk drive?

  2. Could you be using a blank disk that contains no music data?

  Are all the track buttons dark? (Even if a track button indicator is lit, there will be no sound if that track is not playing notes (i.e., during a rest). Turn on the other track buttons and check if sound can be heard.)

- Sound is distorted or breaks up

  Is the volume set excessively high?

  Is the MT80s placed on a stable surface?

- Pitch is incorrect

  Could the tuning or transpose be set inappropriately?

- Difficult to hear metronome

  Is the Metronome Volume knob located on the rear panel rotated all the way to the left?

- Count-in does not occur

  Is the count-in on?

  For some music data there is no count-in. (If you turn the power on again, the count-in will sound.)

- Song stops in the middle

  When playing Roland Piano Digital-compatible music data, playback may stop in the middle of the song. This is because the music data contains an instruction to stop. Press the Play button to resume playback.

- No response when buttons are pressed

  Some functions cannot be used during playback. Use the Stop button to stop playback, and then perform the desired operation.

Specifications

MT-80s

<Sequencer Section>
- Internal Memory
  1 Song, Approx. 21,000 notes
- Song Length
  999
- Tracks
  5 (4 + Rhythm)
- Resolution
  120 ticks / Quarter note
- Tempo
  Quarter note = 20 - 250
- Transpose
  -6 - +5 semitones

<Sound Source>
General MIDI System / GS Format
- Maximum Polyphony
  28 voices
- Number of Parts
  16
- Number of Tones
  226
- Number of Drum Sets
  9(8 + SFX Set)
- Effects
  Reverb, Chorus
- Master Tune
  428.8 - 451.2 Hz

<Speaker Section>
- Rated Power Output
  10 Wx1
- Speaker
  Full Range : 12cm x1 (Magnetic proof speaker)

<Hardware>
- Disk Drive
  3.5 inch micro floppy disk drive
  (2DD/720KB 2HD/1.44MZ)
- Display
  7 Segments, 3 Characters (LED)
- Connectors
  Phones Jack (Stereo, Miniature phono type)
  Output Jacks (Stereo, RCA phono type)
  Mic Jack (mono) : with Echo
  Start / Stop Jack
  MIDI Connector (In)
- Power Supply
  AC 117 V, AC 230 V or AC 240 V
- Power Consumption
  36W (AC 117 V), 39 W (AC 230, 240 V)
- Dimensions
  380 (W) x 201 (D) x 178 (H) mm
  15 (W) x 7 - 15 / 16 (D) x 7 - 1 / 16(H) inches
- Weight
  4.8 kg
  10 lbs 10 oz

<Accessories>
Owner's Manual
Demo Song Data
AC Cord

MUSIC PLAYER
Model MT-80s
(Sound Module Section)

MIDI Implementation Chart

Date : Oct. 31, 1995

Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	x	1 –16	
	Changed	x	1 –16	
Mode	Default	x	Mode 3	
	Messages	x	Mode 3, 4 (M = 1)	* 1
	Altered	··············		
Note Number :	True Voice	x	0 –127	
		··············	0 –127	
Velocity	Note ON	x	O	
	Note OFF	x	x	
After Touch	Key's	x	O	
	Ch's	x	O	
Pitch Bend		x	O	
Control Change	0, 32	x	O	Bank Select
	1	x	O	Modulation
	5	x	O	Portamento Time
	6, 38	x	O	Data entry
	7	x	O	Volume
	10	x	O	Panpot
	11	x	O	Expression
	64	x	O	Hold 1
	65	x	O	Portamento
	66	x	O	Sostenuto
	67	x	O	Soft
	91	x	O	Reverb
	93	x	O	Chorus
	98, 99	x	O	NRPN LSB, MSB
	100, 101	x	O	RPN LSB, MSB
Prog Change	: True #	x	O	
		··············	0 - 127	
System Exclucive		x	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	: All sound off	x	O (120,126,127)	
	: Reset all controllers	x	O	
	: Local ON/OFF	x	x	
	: All Notes OFF	x	O (123 –127)	
	: Active Sense	x	O	
	: Reset	x	x	
Notes		* 1 Recognize as M=1 even if M≠1.		

Mode 1 : OMNI ON, POLY   Mode 2 : OMNI ON, MONO   O : Yes

Mode 3 : OMNI OFF, POLY   Mode 4 : OMNI OFF, MONO   X : No

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Minuet in G

Anonymous
BWV.Anh.114

Information

When you need repair service, call your local Roland Service Station or the authorized Roland distributor in your country as shown below.

ARGENTINA
Instrumentos Musicales
S.A.
Florida 638
(1005) Buenos Aires
ARGENTINA
TEL: (01) 394 4029

BRAZIL
Roland Brasil Ltda.
R. Coronel Octaviano da Silveira
203 05522-010
Sao Paulo BRAZIL
TEL: (011) 843 9377

CANADA
Roland Canada Music Ltd.
(Head Office)
5480 Parkwood Way Richmond
B. C., V6V 2M4 CANADA
TEL: (0604) 270 6626

Roland Canada Music Ltd.
(Toronto Office)
Unit 2, 109 Woodbine Downs
Blvd, Etobicoke, ON
M9W 6Y1 CANADA
TEL: (0416) 213 9707

MEXICO
Casa Veerkamp, s.a. de c.v.
Mesones No. 21 Col. Centro
Mexico D.F. 06080 MEXICO
TEL: (905) 709 3716

La Casa Wagner de
Guadalajara s.a. de c.v.
Av. Corona No. 202 S.J.
Guadalajara, Jalisco Mexico
C.P.44100 MEXICO
TEL: (03) 613 1414

PANAMA
Productos Superiores, S.A.
Apartado 655 - Panama 1
REP. DE PANAMA
TEL: 26 3322

U. S. A.
Roland Corporation U.S.
7200 Dominion Circle
Los Angeles, CA. 90040-3696,
U. S. A.
TEL: (0213) 685 5141

VENEZUELA
Musicland Digital C.A.
Av. Francisco de Miranda,
Centro Parque de Cristal, Nivel
C2 Local 20 Caracas
VENEZUELA
TEL: (02) 285 9218

AUSTRALIA
Roland Corporation
Australia Pty. Ltd.
38 Campbell Avenue
Dee Why West. NSW 2099
AUSTRALIA
TEL: (02) 982 8266

NEW ZEALAND
Roland Corporation (NZ)
Ltd.
97 Mt. Eden Road, Mt. Eden,
Auckland 3, NEW ZEALAND
TEL: (09) 3098 715

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

TEL: 2415 0911

INDONESIA
PT CITRARAMA
BELANTIKA
Kompleks Perkantoran Duta
Merlin Blok E No.6—7
Jl. Gajah Mada No.3—5, Jakarta
10130,
INDONESIA
TEL: (021) 3850073

KOREA
Cosmos Corporation
Service Station
261 2nd Floor Nak-Won Arcade
Jong-Ro ku, Seoul, KOREA
TEL: (02) 742 8844

MALAYSIA
Bentley Music SDN BHD
No.142, Jalan Bukit Bintang 55100
Kuala Lumpur, MALAYSIA
TEL: (03) 2443333

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

SINGAPORE
Swee Lee Company
BLOCK 231,
Bain Street #03-23
Bras Basah Complex,
SINGAPORE 0718
TEL: 3367886

CRISTOFORI MUSIC PTE
LTD
335,Joo Chiat Road SINGAPORE
1542
TEL: 3450435

TAIWAN
Siruba Enterprise (Taiwan)
Co., LTD.
Room. 5, 9fl. No. 112 Chung Shan
N.Road Sec.2 Taipei, TAIWAN,
R.O.C.
TEL: (02) 561 3339

THAILAND
Theera Music Co. , Lt d.
330 Verng Nakorn Kasem, Soi 2,
Bangkok 10100, THAILAND
TEL: (02) 2248821

BAHRAIN
Moon Stores
Bad Al Bahrain Road,
P.O.Box 20077
State of BAHRAIN
TEL: 211 005

IRAN
TARADIS
Mir Emad Ave. No. 15, 10th street
P. O. Box 15875/4171 Teheran,
IRAN
TEL: (021) 875 6524

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

JORDAN
AMMAN Trading Agency
Prince Mohammed St. P. O. Box
825 Amman 11118 JORDAN
TEL: (06) 641200

KUWAIT
Easa Husain Al-Yousifi
P.O. Box 126 Safat 13002
KUWAIT
TEL: 5719499

LEBANON
A. Chahine & Fils
P.O. Box 16-5857 Gergi Zeidan St.
Chahine Building, Achrafieh
Beirut, LEBANON
TEL: (01) 335799

OMAN
OHI Electronics &
Trading Co. LLC
P. O. Box 889 Muscat
Sultanate of OMAN
TEL: 706 010

QATAR
Badie Studio & Stores
P.O.Box 62,
DOHA QATAR
TEL: 423554

SAUDI ARABIA
SAF Music Center
AL-Khobar 31952, P. O. Box 1366
SAUDIARABIA
TEL: (03) 898 3311

Abdul Latif S. Al-Ghamdi
Trading Establishment
Al-Tamini Commercial And
Residential Center Al-Khobar
Dharan Highway W/Hamood St.
P. O. Box 3631 Al-Khober
31952 SAUDI ARABIA
TEL: (03) 898 2332

SYRIA
Technical Light & Sound
Center
Khaled Ebn Al Walid St.
P.O.Box 13520
Damascus - SYRIA
TEL: (011) 2235 384

TURKEY
Barkat Sanayi ve Ticaret
Siraselvier Cad. Guney Ishani No.
86/6 Taksim, Istanbul TURKEY
TEL: (0212) 2499324

U.A.E
Zak Electronics & Musical
Instruments Co.
Zabeel Road, Al Sherooq Bldg.,
No. 14, Grand Floor DUBAI
U.A.E.
P.O. Box 8050DUBAI, U.A.E
TEL: (04) 360715

EGYPT
Al Fanny Trading Office
9, Ebn Hagar Ai Askalany Street,
Ard El Golf, Heliopolis, Cairo,
11341 EGYPT
TEL: (02) 4171828
(02) 4185531

MAURITIUS
Philanne Music Center
4th, Floor Noll, Happy World
House Sir William Newton Street
Port Luis MAURITIUS
TEL: 242 2986

REUNION
FO - YAM Marcel
25 Rue Jules MermanZI.
Chaudron - BP79 97491
Ste Clotilde REUNION
TEL: 28 29 16

SOUTH AFRICA
That Other Music Shop
(PTY) Ltd.
11 Melle Street (Cnr Melle and
Juta Street)
Braamfontein 2001
Republic of SOUTH AFRICA
TEL: (011) 403 4105

Paul Bothner (PTY) Ltd.
17 Werdmuller Centre Claremont
7700
Republic of SOUTH AFRICA
TEL: (021) 64 4030

AUSTRIA
E. Dematte &Co.
Neu-Rum Siemens-Strasse 4
A–6040 Innsbruck P.O.Box 83
AUSTRIA
TEL: (0512) 26 44 260

**BELGIUM/HOLLAND/
LUXEMBOURG**
Roland Benelux N. V.
Houtstraat 1 B-2260 Oevel-
Westerlo BELGIUM
TEL: (014) 575811

CYPRUS
Radex Sound Equipment
Ltd.
17 Diagorou St., P.O.Box 2046,
Nicosia CYPRUS
TEL: (02) 453 426
(02) 466 423

DENMARK
Roland Scandinavia A/S
Langebrogade 6 Post Box 1937
DK-1023 Copenhagen K.
DENMARK
TEL: 32 95 3111

FRANCE
Guillard Musiques Roland
ZAC de Rosarge Les Echets 01700
MIRIBEL FRANCE
TEL: 7226 5060

Guillard Musiques Roland
(Paris Office)
1923 rue Léon Geoffroy 94400
VITRY-SUR-SEINE FRANCE
TEL: (1) 4680 86 62

FINLAND
Roland Scandinavia As,
Filial Finland
Lauttasaarentie 54 B
Fin-00201 Helsinki, FINLAND
P. O. Box No. 109
TEL: (0) 682 4020

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

GREECE
V. Dimitriadis & Co. Ltd.
20, Alexandras St. & Bouboulinas
54 St. 106 82 Athens, GREECE
TEL: (01) 8232415

HUNGARY
Intermusica Ltd.
Warehouse Area 'DEPO' Pf.83 H-
2046 Torokbalint, HUNGARY
TEL: (01) 1868905

IRELAND
The Dublin Service Centre
Audio Maintenance
Limited
11 Brunswick Place Dublin 2
Republic of IRELAND
TEL: (01) 677322

ITALY
Roland Italy S. p. A.
Viale delle Industrie, 8
20020 Arese Milano, ITALY
TEL: (02) 93581311

NORWAY
Roland Scandinavia Avd.
Kontor Norge
Lilleakerveien 2 Postboks 95
Lilleaker N-0216 Oslo
NORWAY
TEL: 273 0074

POLAND
P. P. H. Brzostowicz Marian
61-502 Poznan, ul, Filarecka 11,
TEL: (061) 332 665
03-624 Warszawa, ul, Blokowa32,
TEL: (02) 679 44 19

PORTUGAL
Caius - Tecnologias Audio e
Musica , Lda.
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As of September, 4, 1995

MT-80s Demo Song Data

Demo Song Data for Classic Piano

1. Minuet in G

Composed by J.S.Bach

Music Data by Nigel Clayton (Piano), Hiroshi Hisamitsu (Accompaniment)

1.

Track	R	1	2	3	4
	Drums & Percussion		Accompaniment	Piano Left Hand	Piano Right Hand

2. Concerto No. 23, K. 488 in A-Major, 1st movt. (Excerpt)

Composed by Mozart

Music Data by Kaori Koyama (Piano), Team-khy (Orchestra)

2.

Track	R	1	2	3	4
			Orchestra	Piano Left Hand	Piano Right Hand

3. Exercise 35

From Beyer Piano TextBook

Music Data by Christopher Norton

3.

Track	R	1	2	3	4
	Drums & Percussion		Accompaniment	Piano Left Hand	Piano Right Hand

4. No. 77

From Czerny 100 Progressive Studies Op. 139

Composed by Czerny

Music Data by Christopher Norton

4.

Track	R	1	2	3	4
	Percussion		Accompaniment	Piano Left Hand	Piano Right Hand

5. La chevaleresque

From Burgmüller 25 Easy Studies

Composed by Burgmüller

Music Data by Team-khy

5.

Track	R	1	2	3	4
	Drums & Percussion		Accompaniment	Piano Left Hand	Piano Right Hand

6. Sonatina Op. 36, No. 3 in C-Major, 1st movt

Composed by Clementi

Music Data by Daniel Capelletti

6.

Track	R	1	2	3	4
			Orchestra	Piano Left Hand	Piano Right Hand

7. Für Elise

Composed by Beethoven

Music Data by Kaoru Mizuki

7.

Track	R	1	2	3	4
	Percussion		Accompaniment	Piano Left Hand	Piano Right Hand

8. Nocturne Op. 9, No. 2

Composed by Chopin

Music Data by Kaori Koyama (Piano), Team-khy (Orchestra)

8.

Track	R	1	2	3	4
			Orchestra	Piano Left Hand	Piano Right Hand

9. Golliwog's Cake Walk

Composed by Debussy

Music Data by Kaori Koyama (Piano), Team-khy (Orchestra)

• Demo Song Data for another Instrument

Track	R	1	2	3	4
	Percussion		Orchestra	Piano Left Hand	Piano Right Hand

10. Menuet de "L'Arlésienne"

Composed by Bizet

Music Data by Team-khy

Track	R	1	2	3	4
			Orchestra		Flute

11. Gavotte

Composed by Gossec

Music Data by Team-khy

Track	R	1	2	3	4
			Orchestra		Violin

12. Romance d'Amour

Spanish Traditional

Music Data by Fumio Matsumura (Guitar), Team-khy (Orchestra)

Track	R	1	2	3	4
	Percussion		Orchestra	Fret Noise	Guitar

13. Calo Mio Ben

Composed by Giuseppe Giordani

Music Data by TEN Factory

Track	R	1	2	3	4
			Piano Accompaniment		Vocal Melody

14. Scrambled Egg

Composed by Kazuko Hirashita & Masashi Hirashita

Music Data by Kazuko Hirashita & Masashi Hirashita

Track	R	1	2	3	4
	Drums		Bass	Piano Left Hand	Piano Right Hand

15. Milky Way

Composed by Kazuko Hirashita & Masashi Hirashita

Music Data by Kazuko Hirashita & Masashi Hirashita

Track	R	1	2	3	4
	Drums		Accompaniment	Piano Left Hand	Piano Right Hand

16. Last Flower

Composed by Luigi Brutti & Roberto Lanciotti

Music Data by Luigi Brutti & Roberto Lanciotti

Track	R	1	2	3	4
	Drums & Percussion		Accompaniment	Piano Left Hand	Piano Right Hand

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Panel Description

Front Panel

Tempo Button
Song Button
Transpose Button
Tune Button
Count In Button
Metronome Button
Track Button
Value Buttons

Power Switch
Phones Jack
Mark A/B Button
Mark Erase Button
Volume Slider
Reset,Stop,Play
Bwd,Fwd Button
Floppy Disk Drive
Eject Button

Rear Panel

Tune Knob
MIC In Jack
MIDI In Jack
Output Jack
MIC Echo Knob
Start/Stop Jack
Metronome
Volume Knob
MIC Volume Knob

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