

# Roland

## STANDARD MIDI FILE CONVERTER

## SYSTEM GENERATOR MRM-500

Owner's Manual

for MC-50                      MC-300  
MC-500<sub>MKII</sub>                MC-500

**Thank you, and congratulations on your purchase of the MRM - 500 Standard MIDI File Converter.**

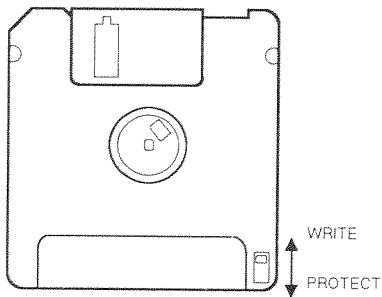
MRM - 500 is a software program which converts Song Files created on MC series sequencers into Standard MIDI Files. Conversely, it converts Standard MIDI Files into Song Files that are compatible with any MC series unit. To become familiar with all the features this package offers, and to ensure satisfaction for years to come, please read this Owner's Manual in its entirety before starting out.

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## ■ PROPER HANDLING OF FLOPPY DISKS

- Disks contain a plastic disk coated with magnetic particles. Observe the following when handling disks:
  - Never touch the magnetic surface of the disk.
  - Do not subject disks to temperature extremes (eg. direct sunlight in an enclosed vehicle). Recommended temperature range: 10 to 50°C.
  - Do not expose disks to strong magnetic fields such as those generated by loudspeakers.
- Floppy disks contain a “write protect” switch which can protect a disk from accidental erasure. It is recommended that the switch be kept in the “protect” position and moved only when you wish to write new data onto the disk.



- All important data should be copied onto backup disks. This provides a complete duplicate of the data should the original disk be lost or damaged.
- Identification labels should be firmly fixed to the disks. Should a label come loose while the disk is in the drive, it may be difficult to remove the disk.

## ■ KEY TO SYMBOLS USED IN THIS MANUAL

- Words (or numbers) enclosed with   indicate specific keys on the panel of an MC series unit.

Thus, 1 is number 1 on the Ten-keys (numeric keypad), and ENTER is the Enter key.

Whenever such a representation appears during the explanation of a procedure, it means that you should press the key once and release it.

- Whenever a combination such as SHIFT + MODE appears, it means (in this example) that you must hold down the SHIFT button while you press the MODE button.
- Whenever a series such as SHIFT + MODE → 1 → ENTER appears, it means that you must press the keys in the order indicated.

Thus, for the above example, you would: Hold down the SHIFT button while you press the MODE button; then press Ten-key number 1; and finally, press the ENTER key.

**Always carefully observe the order in which the buttons (keys) are to be pressed.**

- Whenever you are directed to refer to information appearing on another page in this manual, you will see something like this: (P.\* \*).

# OVERVIEW

---

The **MRM-500** Conversion Package (hereafter abbreviated as “MRM”), provides the tools for making conversions between Song Files created using an MC series unit, and standard MIDI Files.

MRM opens up new possibilities by allowing you to interchange song data created by MC series units with that of sequencing software used on personal computers.

MRM thus allows you to quickly and conveniently take song data created on a computer, and use it on your MC series sequencer.

## 1. What are MIDI Files?

MIDI Files were devised to make it simpler for song data created on different sequencers to be interchanged.

Since MIDI Files employ a format which is universally recognizable by a majority of sequencers, they make it possible for data from one sequencer to be transferred for use on another.

Currently, numerous software producers have adopted the MIDI File standard.

### MIDI File Formats

MRM - 500 provides support for the following two types of MIDI Files:

- ◆ **Format 0**      **Consists of a single track which contains the data for multiple MIDI channels.**
  
- ◆ **Format 1**      **Allows for multiple tracks which contain the data for multiple MIDI channels.** (This format could be considered simply as being a multi-track version of “0.”)

\*You should choose a format carefully, since in many cases a particular sequencing software package will support only one format.

## 2. What Is Meant By “Startup MRM”

Various types of System Disks can be employed with units in the MC series (MC - 50, MC - 500mkII, MC - 500, MC - 300). The manner in which the unit will perform (and the features offered) will vary as a result of the System Disk used.

The System Disk contains the System Program, which is software that provides the instructions that make it possible for an MC series sequencer to operate.

In this manual, whenever you are instructed to use a specific System Disk when starting your MC unit, it will be referred to as “Startup using ... System” or “Boot using ... System.”

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## 3. The Three Modes of Operation

In using MRM, you will first need to remember that it is organized into three different modes. Each of these modes provides specific functions.

### ● MODE 1: CONVERT

Conversions of song data are made while in this mode.

**MRC ⇒ MIDI File**      **Converts MRC Song Files to MIDI Files.**

**MIDI File ⇒ MRC**      **Converts MIDI Files to MRC Song Files.**

There are two methods to choose from when making conversions: with one, you convert only a single specified song; and with the other, all songs contained on a disk are converted in bulk.

### ● MODE 2: CONFIGURATION

In this mode you specify the type of file you will obtain as a result of the conversion.

**MIDI File**      **When converting MRC Song Files to MIDI Files, you need to choose whether the data will be organized onto one track (Format 0); or onto multiple tracks (Format 1).**

**MRC File**      **When converting MIDI Files to MRC Song Files, you need to choose the type of Song File you wish the resulting file to be; either SUPER-MRC, or MRC-300/500.**

### ● MODE 3: RESTART

When in this mode, you can boot using some other System Disk in the MC series.

# 1 CREATION OF THE MRM SYSTEM DISK

The floppy disks provided in this package contain the software needed to create an MRM System Disk. (The **MRM System Generator**.) To start, you will need to use the System Generator to create an MRM System Disk as explained below. (This operation is referred to as "**Initialization**.")

\* Since the System Generator cannot be copied, make sure that you handle it carefully, and always keep it safely stored away.

## 【Procedure】

- ① Turn on the power to the MC unit.  
(With the MC-50, hold down Ten-key **3** while turning the power on.)

```
Roland MC-500
```



```
Insert System Disk  
and Press ENTER
```

- ② Insert the System Generator into the disk drive, then press **ENTER**.

While the unit is being started up using the System Generator, the following series of messages will appear in the display:

```
Loading System  
Please Wait
```



```
MRM-System Generator  
Copyright Roland
```



```
Insert New Disk  
and Press ENTER
```

- ③ Take out the System disk and insert a fresh disk. Then press **ENTER**.

```
Initializing Disk  
Please Wait
```

The MRM System will be written onto the new disk.  
(The "Initialization" takes place.)

After about 2 minutes have passed, the metronome will beep, indicating the procedure is complete.

```
INIT Complete! Cont?  
Yes:ENTER No:STOP
```

- ④ Press **STOP**.

If you want to continue and create another System Disk, press **ENTER** at this point, then repeat step ③.

When completed, push the Eject button on the MC unit, take out the disk, then turn the power off.

**You now should have a freshly created MRM System Disk.**



# **2** CONVERSION OF DATA

---

The sections that follow explain how to use the MRM System Disk to perform data conversions. The explanation is in two parts: one covers conversion of MRC Song Files to MIDI Files; the other is concerned with the conversion of MIDI Files to MRC Song Files.

## **□ Important Considerations Concerning Conversions**

### **● About MIDI File Data Disks**

#### **«For those using an IBM-PC or an ATARI »**

For whichever model of computer, you should use disks formatted in the 2DD format. (This is the same type used for MRC data disks.)

#### **«For those using a Macintosh »**

Since disks in the normal Macintosh format cannot be accepted, you first need to use the "Apple File Exchange" utility (supplied with the Macintosh System Software) to translate the data so it is stored onto disks in the IBM-PC 2DD format.

Those who have a Macintosh II, old SE, or Plus, however, may need to consult first with their computer dealer.

### **● When Converting MRC Song Files to MIDI Files**

#### **«SUPER - MRC »**

SUPER - MRC provides for FUNC 1—14. Of these, however, only the values contained in FUNC9 (BASIC TEMPO), FUNC10 (LOCATE POINT), and FUNC14 (SONG LOG) will be transferred to the MIDI File.

#### **«MRC - 300/500 »**

MRC - 300/500 provides for FUNC 1—9. Of these, however, only the value contained in FUNC9 (BASIC TEMPO) will be transferred to the MIDI File.

### **● When Converting MIDI Files to MRC Song Files**

Only files with the ".MID" extension can be converted.

When the MIDI File to be converted is in Format 1

When converting to the MRC - 300/500 format, the first 3 tracks of the MIDI File are placed into tracks 1—3 in the MRC - 300/500 file. Tracks 4 onward are merged, and together inserted into track 4 in the MRC file.

With conversions to the SUPER - MRC format, the first 7 tracks of the MIDI File are placed into tracks 1—7 in the SUPER - MRC file. Tracks 8 onward are merged, and together inserted into track 8 in the SUPER - MRC file.

Within the MC series, a quarter note is stored at a resolution of 96 clocks (pulses per quarter note or p.p.q.).

Not every MIDI File uses 96-clock resolution. (Some can use 120, 192, etc.)

When making conversions using MIDI Files with a resolution other than 96, the timing could be altered slightly.

Whenever possible, try to work only with MIDI Files that use a resolution of 96 clocks.

## **Startup Using MRM**

All conversion choices become available only after your unit has been started up using the MRM System. The unit should be booted using MRM as follows:

### **【Procedure】**

- ① Turn on the power to the MC unit.  
(With the MC -50, hold down Ten-key **3** while turning the power on.)
- ② Insert the MRM System Disk into the disk drive, then press **ENTER**.

With these steps completed, the MRM System should be up and running.

\* Macintosh is a trademark of Apple Computer, Inc.

## CONVERTING MRC SONG FILES TO MIDI FILES

### 1. Configuration

The first thing that needs to be done when wishing to convert an MRC Song File to a MIDI File is to select the format for the resulting MIDI File; either Format 0 or Format 1.

(This selection is referred to as the "Configuration".)

**Format 0** Consists of a single track, and within it the data for multiple MIDI channels is contained.

**Format 1** Allows for multiple tracks, within which the data for multiple MIDI channels is contained. (This format could be considered simply as being a multi-track version of "0.")

After a Configuration is made, a Configuration File can be saved on the disk if you wish.

Once a Configuration File has been saved on disk, it is loaded automatically each time you use that disk to boot the unit. This eliminates the need for repeatedly making the same configuration setting.

#### [Procedure]

- ① Select MODE 2 CONFIG.

SHIFT + MODE → 2 → ENTER

```
MODE 2 CONFIG
```



```
CNFG 1> MIDI File
Format 0
```

- ② Using either the Alpha dial or the Ten-keys, select "CNFG 1 > MIDI File." Then press **ENTER**.
- ③ Select the format you wish MIDI Files to have.  
Use the Alpha dial (or press the corresponding keys) to select either **0** or **1**.  
Then press **ENTER**.

\* This setting can also be made while in Mode 1. (P.11)

```
CONFIG SET SAVE ?
YES:ENTER NO:STOP
```

- ④ Next, you have the choice of whether or not you wish to save your setting onto the System Disk.

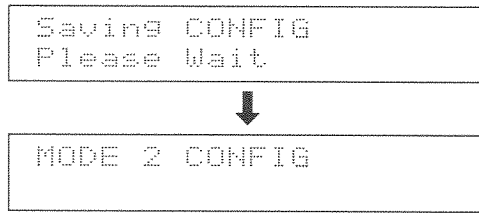
Yes, save it → Press **ENTER**. (Then go to step ⑤.)

Don't save it → Press **STOP**. (You are returned to MODE 2 CONFIG.)

```
Insert System DISK
Press SAVE
```



- ⑤ Make sure the MRM System Disk is in the disk drive, then press **SAVE**.

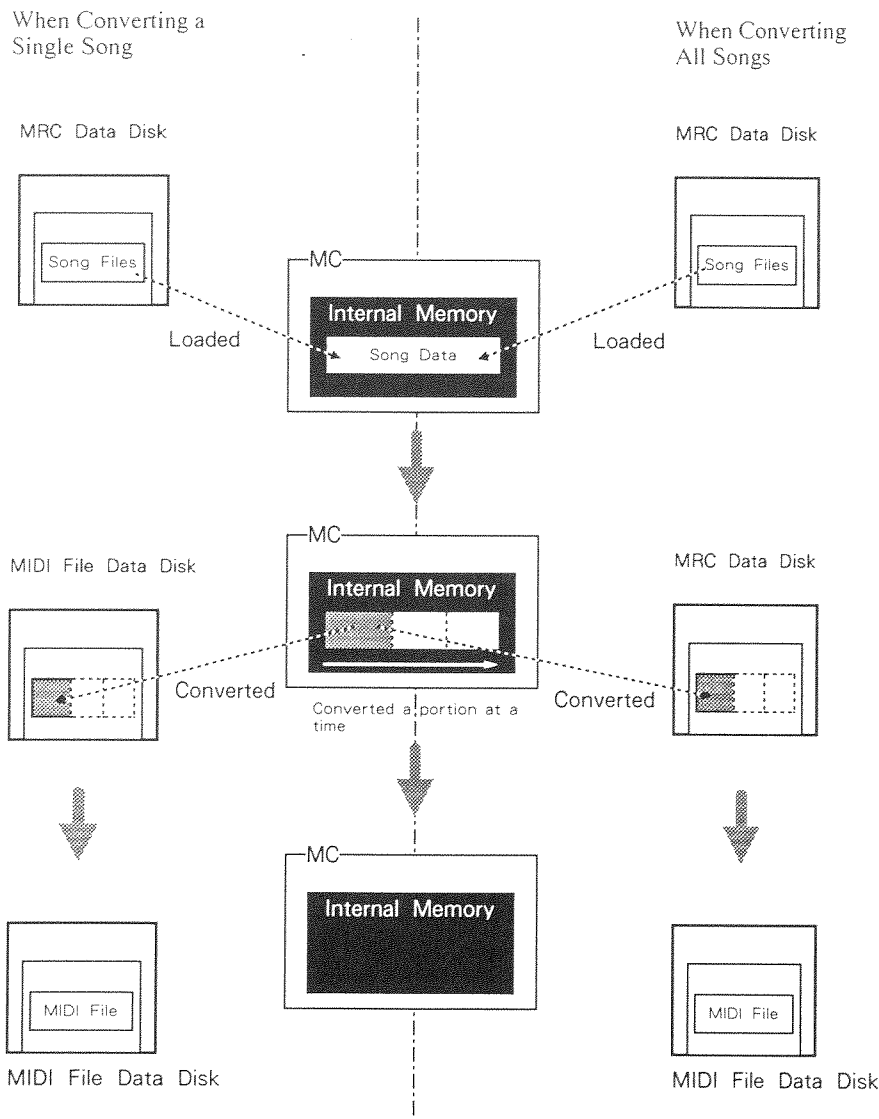


Once this step is completed, the setting will have been saved on the System Disk as a Configuration File.

## 2. Conversion

This section explains how MRC Song Files are converted to MIDI Files.

There are two options available when making the conversion: one converts only a single specified song; the other converts all songs contained on the disk at one time.



The unit is booted using MRM, then the Song Files on the MRC data disk are loaded into the MC's internal memory.

The MRC Song Data contained in memory is converted little by little into MIDI Files. This data is then written to the MIDI File data disk (when it is a single song), or written to the MRC data disk (when all songs are converted).

Once the conversion is complete, the data that was contained in memory in the MC unit is cleared automatically.

## ● Converting a Single Song

### [Procedure]

- ① Select MODE 1 CONVERTER.

**SHIFT** + **MODE** → **1** → **ENTER**

```
MODE 1 CONVERTER
```



```
1> MRC ▶ MIDI File  
2 MIDI File ▶ MRC
```

- ② Using either the Alpha dial or the Ten-keys, select "1." Then press **ENTER**.

```
Insert MRC DISK  
Press ENTER
```

- ③ Insert the MRC data disk into the disk drive, and press **ENTER**.

The first song title contained on the disk will be displayed.

```
Select MRC Song  
SONG #TakeTheAtrain
```

- ④ Use the Alpha dial to select the song you want to convert.

```
Select MRC Song  
SONG #TakeTheBtrain
```

- ⑤ Press **ENTER**, and the song file will be loaded from disk into the MC unit's internal memory.

```
SONG #TakeTheBTain  
Loading! MRC#MF1
```



```
Insert MIDIFile DISK  
Press ENTER
```

- ⑥ Exchange disks.

Press the Eject button on the drive, and take out the MRC data disk. Next, insert the MIDI File data disk into the drive. Then press **ENTER**.

```
File name OK?  
SONG #IAKETAIN.MID
```

⑦ Confirm that the file name is suitable.

If you are satisfied with the name as displayed, press **ENTER**.

To change the name of the file use the Alpha dial or Ten-keys as explained in the Owner's Manual for your MC series unit. After any changes in the name have been made, press **ENTER**.

```
MRC # MF(Format1)
Sure? >> Press SAVE
```

\* Here, you can press either **0** or **1** (Ten-keys) in order to change the Configuration setting (Format 0 or Format 1).

⑧ When ready to start the conversion, press **SAVE**.

If you want to abort the process, press **STOP**.

```
SONG #TAKETAIN.MID
Converting! MRC#MF1
```



```
SONG #TAKETAIN.MID
Convert Complete !
```



```
Insert MRC DISK
Press ENTER
```

With these steps completed, the MRC Song File will have been converted to a MIDI File.

If you wish to continue and convert another song, repeat the process, starting at step ③.

\* If a MIDI File with an identical name already exists on the disk, the message below will appear in the display after performing step ⑦.

If you wish to save the newly created file separately, without writing over (replacing) the one already on disk, change its name before pressing **ENTER**.

```
Same Name on DISK!!
RENEW?#TAKETAIN.MID
```

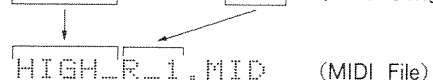
● Concerning Song Titles

An MRC Song File allows for a 13-character Song Title. With MIDI Files however, there is no specific provision made for a Song Title.

Consequently, during the conversion process from MRC Song File to MIDI File, the original Song Title has to be abbreviated somewhat to form a name suitable for a MIDI File. This is done as follows: The first 5 characters and the last 3 characters from the song title are joined together. To this the extension ".MID" is added. At the same time, all

lowercase letters are changed to uppercase, and all spaces become underlines.

(Example) High Lander 1 (MRC Song File)



※ All of the following symbols are also changed to underlines:

♪ ♪ ♭ ? · . : ; " \* + / - < > = [ ] |

## ● Converting All Songs At Once

**[Procedure]**

- ① Select MODE 1 CONVERTER.

**SHIFT** + **MODE** → **1** → **ENTER**

```
MODE 1 CONVERTER
```



```
1> MRC # MIDI File
2  MIDI File # MRC
```

- ② Using either the Alpha dial or the Ten-keys, select "1." Then press **ENTER**.

```
Insert MRC DISK
Press ENTER
```

- ③ Insert the MRC data disk into the disk drive, and press **ENTER**.

```
Select MRC Song
SONG #TakeTheATrain
```

- ④ Use the Alpha dial to select "ALL Songs". Then press **ENTER**.

Here the unit performs a check of each song to make sure there are no Song Titles that will have the same name.

```
Select MRC Song
SONG ## ALL Songs
```



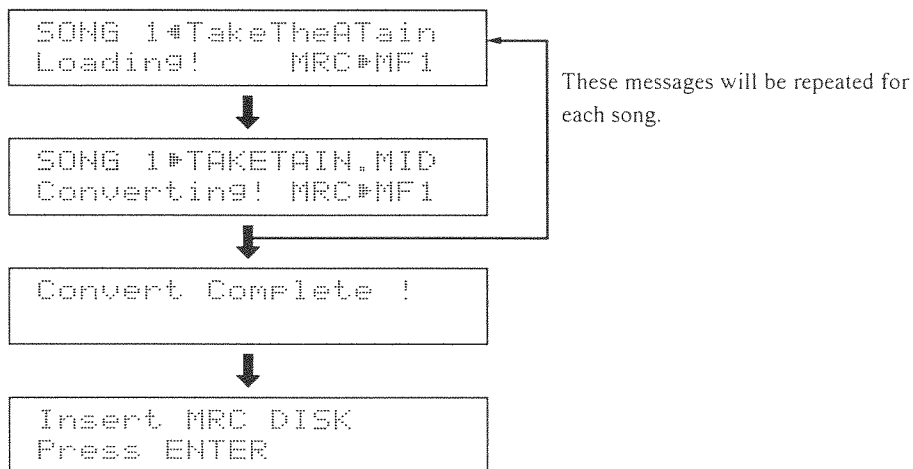
```
SONG 1#TakeTheBTain
Checking Song Name
```



```
MRC # MF(Format1)
Sure? >> Press SAVE
```

\* Here, you can press either **0** or **1** (Ten-keys) on the MC unit in order to change the Configuration setting (Format 0 or Format 1).

- ⑤ When ready to start the conversion, press **SAVE**.  
If you want to abort the process, press **STOP**.



With these steps completed, all MRC Song Files have been converted to MIDI Files.

\* If any two songs, when converted, would result in creation of two files with identical names, the message shown below will appear after completion of step ④. If this happens, you will need to change the file name for one of the songs.

To change the song title, use the Alpha dial or Ten-keys as explained in the Owner's Manual for your MC series unit.

After the changes in the name have been made, press **ENTER**, and the unit will resume checking the file names.

```

    Change Song Name!
    SONG 1#highlander
  
```

**(Important)** Since each resulting MIDI File will generally be larger in size than the original MRC Song File, you may run into situations where there is not enough room on the disk to complete the conversion. At such times, the following alert will appear:

```

    Attn! NO DISK SPACE
    Press STOP
  
```

Here, you need to first press **STOP**, and then proceed as follows:

● **When converting a single song...**

Either erase any MIDI Files already on the disk that you don't need, or switch to another MIDI File disk.

● **When converting all songs...**

One solution would be to erase any MRC Song Files you don't absolutely need to convert. Or, you can copy to another disk the MIDI Files that have already been created during conversion, then erase them to free space on the data disk. (⇒ P. 21)

# CONVERTING MIDI FILES TO MRC SONG FILES

## 1. Configuration

The first thing that needs to be done when wishing to convert a MIDI File to an MRC Song File is to select the type of Song File you wish to be created; either MRC - 300/500 or SUPER - MRC. (This selection is referred to as the "Configuration.")

After a Configuration is made, it can be saved on the disk as a Configuration File if you wish. Once a Configuration File has been saved on disk, it is loaded automatically each time you use that disk to boot the unit. This eliminates the need for repeatedly making the same configuration setting.

### [Procedure]

- ① Select MODE 2 CONFIG.

**SHIFT** + **MODE** → **2** → **ENTER**

```
MODE 2 CONFIG
```



```
CNFG 1> MIDI File  
Format 0
```

- ② Using either the Alpha dial or the Ten-keys, select "2 > MRC File." Then press **ENTER**.

```
CNFG 2> MRC File  
MRC-300/500
```

- ③ Select the format you wish Song Files to have.

Use the Alpha dial (or press the corresponding Ten-key) to select whether you want MRC - 300/500 (Ten-key **1**) or SUPER - MRC (Ten-key **0**) format. Then press **ENTER**.

```
CONFIG SET SAVE ?  
YES:ENTER NO:STOP
```

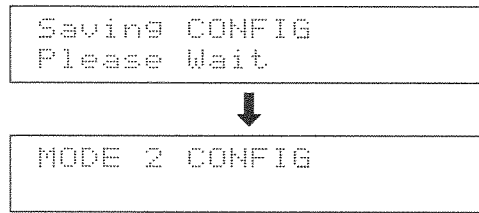
- ④ Next, you have the choice of whether or not you wish to save your setting onto the System Disk.

Yes, save it → Press **ENTER**. (Then continue with step ⑤.)

Don't save it → Press **STOP**. (You are returned to MODE 2 CONFIG.)

```
Insert System DISK  
Press SAVE
```

- ⑤ Make sure the MRM System Disk is in the disk drive, then press **SAVE**.

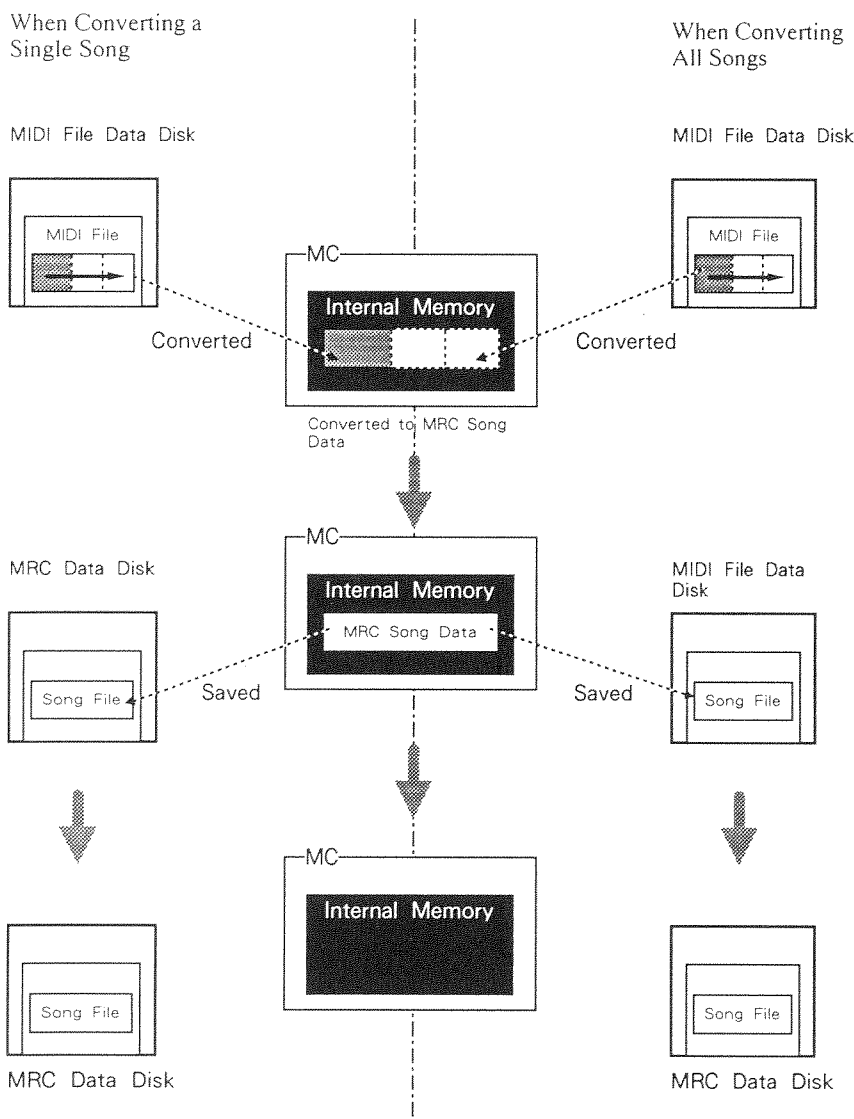


Once these steps are completed, the settings will have been saved on the System Disk as a Configuration File.

## 2. Conversion

This section explains how MIDI Files are converted to Song Files.

There are two options available when making the conversion: one converts only a single specified song; the other converts all songs contained on the disk at one time.



The unit is booted using MRM, then the MIDI Files on the MIDI File data disk are converted a portion at a time into song data within internal memory.

The MRC Song Data contained in memory is written to the MRC data disk (when it is a single song), or written to the MIDI File data disk (when all songs are converted).

Once the conversion is complete, the data that was contained in memory in the MC unit is cleared automatically.



---

## ● Converting a Single Song

### [Procedure]

- ① Select MODE 1 CONVERTER.

**SHIFT** + **MODE** → **1** → **ENTER**

```
MODE 1 CONVERTER
```



```
1> MRC # MIDI File
2  MIDI File # MRC
```

- ② Using either the Alpha dial or the Ten-keys, select "2." Then press **ENTER**.

```
Insert MIDIFile DISK
Press ENTER
```

- ③ Insert the MIDI File data disk into the disk drive, and press **ENTER**.

The first file name contained on the disk will be displayed.

```
Select MIDIFile Song
SONG #MFCdemo0.MID
```

- ④ Use the Alpha dial to select the file you want to convert.

```
Select MIDIFile Song
SONG #MFCdemo1.MID
```

- ⑤ Press **ENTER**, and the conversion of the MIDI File to MRC Song data will begin.

```
SONG #MFCdemo1.MID
Converting! MF#MRC
```



```
Insert MRC DISK
Press ENTER
```

- ⑥ Exchange disks.

Press the Eject button on the drive, and take out the MIDI File data disk. Next, insert the MRC data disk into the drive. Then press **ENTER**.

```
MRC Song name OK?
SONG #MFCdemo1.MID
```

- ⑦ Confirm that the song title is suitable.

If you are satisfied with the song title as displayed, press **ENTER**.

To change the song title use the Alpha dial or Ten-keys; the details of which are explained in the Owner's Manual for your MC series unit.

After any changes in the name have been made, press **ENTER**.

```
MF ▶ MRC (300/500)
Sure? >> Press SAVE
```

- ⑧ When ready to start the conversion, press **SAVE**.

If you want to abort the process, press **STOP**.

```
SONG #MFCdeno1.MID
Saving! MF#MRC
```



```
SONG #MFCdeno1.MID
Convert Complete !
```



```
Insert MIDIFile DISK
Press ENTER
```

With these steps completed, the MIDI File will have been converted to an MRC Song File.

If you wish to continue and convert another file, repeat the process, starting at step ③.

\* If a Song File with an identical name already exists on the disk, the message below will appear in the display after performing step ⑦.

If you wish to save the newly created file separately, without writing over (replacing) the one already on disk, change the song title before pressing **ENTER**.

```
Same Name on DISK!!
RENEW? #MFCdeno1.MID
```

## ● Converting All Songs At Once

### [Procedure]

- ① Select MODE 1 CONVERTER.

**SHIFT** + **MODE** → **1** → **ENTER**

```
MODE 1 CONVERTER
```



```
1> MRC ▶ MIDI File
2  MIDI File ▶ MRC
```

- ② Using either the Alpha dial or the Ten-keys, select "2." Then press **ENTER**.

```
Insert MIDIFile DISK
Press ENTER
```

- ③ Insert the MIDI File data disk into the disk drive, and press **ENTER**.

```
Select MIDIFile Song
SONG  *MFCdemo0.MID
```

- ④ Use the Alpha dial to select "ALL Songs". Then press **ENTER**.

```
Select MIDIFile Song
SONG  ** ALL Songs
```



```
MF ▶ MRC (S-MRC)
Sure? >> Press SAVE
```

- ⑤ Next, the actual conversion from MIDI Files to MRC Song data starts; during the process the data will be saved onto disk as MRC Song Files.

To start the conversion, press **SAVE**.

If you want to abort the process, press **STOP**.

---

```
SONG 1#MFCdemo0.MID
Converting! MF#MRC
```

```
SONG 1#MFCdemo0.MID
Saving! MF#MRC
```

```
Convert Complete !
```

```
Insert MIDIFile DISK
Press ENTER
```

These messages will be repeated for each MIDI File.

With these steps completed, all MIDI Files will have been converted to MRC Song Files.

Any disk created by this process can thereafter be used as an MRC data disk.

# **3** RESTARTING THE SYSTEM

---

This section explains how to restart your unit, using any other System program.

\* Once you restart, any configuration settings you have made will be lost. If desired, the settings can be saved on disk beforehand. (→ P.8, 14)

## ● Restarting using the system on another disk

### [Procedure]

- ① Select MODE 3 RESTART.

**SHIFT** + **MODE** → **3** → **ENTER**

MODE 3 RESTART

- ② Restart using the desired System.

Insert the disk containing the System you wish to use, then press **ENTER**.

# 4 REFERENCE

---

## ● ALERTS

```
Attn! WRONG DISK
Press STOP
```

### **【Problem】**

The unit cannot continue because the disk is of the wrong type.

### **【Solution】**

Press **STOP**.

After inserting the correct type of disk, press **ENTER**.

```
Attn! NO DISK SPACE
Press STOP
```

### **【Problem】**

The amount of data being saved/converted is too large to be saved/converted on the disk.

### **【Solution】**

Press **STOP**.

Exchange the disk for one which has enough free space, then perform the save/conversion over again.

When in the process of saving/converting multiple files, you can reduce the number of files that are to be saved /converted, so they will fit on the disk.

Should your disk no longer have sufficient free space, create a new data disk.

```
Attn! NO SONG FILE
Press STOP
```

### **【Problem】**

There are no MRC Song Files or MIDI Files on the disk.

### **【Solution】**

Press **STOP**.

Insert an MRC disk or MIDI File disk which does contain song files.

```
Attn! LACK of MEMORY
Press STOP
```

### **【Problem】**

The amount of Song file/MIDI File data which you are attempting to load/convert is too large to be loaded/converted using the MC unit's internal memory.

### **【Solution】**

Press **STOP**.

The conversion process will not work with songs which are too large to be loaded into the MC unit's internal memory.

Also, when converting from MIDI Files, the song which will result must be able to fit in memory.

If, using an MC-300/500 unit, you try converting song data of a fairly large size that was originally created on a unit such as the MC-500mkII, the conversion may prove to be impossible.

```
Large>*****
Press STOP
```

### **【Problem】**

The Song file/MIDI File which you have currently selected for loading/conversion is too large.

### **【Solution】**

Press **STOP**.

This alert appears each time a file is found to be too large.

When converting from MRC to MIDI Files, delete the Song files that are too large.

When converting MIDI Files to MRC, skip the songs for which this alert appears, and convert the ones presenting no problem.

```
Attn! TOO MANY FILES
Press STOP
```

**【Problem】**

While saving/converting data, the number of files has exceeded the limit, hence the saving/converting process cannot continue.

**【Solution】**

Press **STOP**.

Delete any unneeded files from the disk.

```
Attn! PROTECTED
Protect OFF & STOP
```

**【Problem】**

Since the protect tab on the disk is in the "Protect" position, the saving/conversion of data cannot be carried out.

Also, a Configuration cannot be saved when a disk's protect tab is in the "Protect" position.

**【Solution】**

Press **STOP**.

After sliding the disk's protect tab to the "Write" position, perform the procedure over again.

```
Attn! WRONG MIDIFile
Press STOP
```

**【Problem】**

Either the MIDI File you are attempting to convert is not of the correct format, or it is damaged, and thus the operation cannot proceed.

**【Solution】**

Press **STOP**.

Then, delete the MIDI File which cannot be converted.

```
Attn! NO DISK
Insert DISK & ENTER
```

**【Problem】**

You have neglected to insert a disk.

**【Solution】**

Insert a disk, then Press **ENTER**.

## ● ERROR MESSAGES

```
Error12 DISK I/O
See owner's manual
```

**【Problem】**

The disk is damaged. As a result, the loading/saving/conversion of data cannot be carried out.

Or, the disk has not been initialized.

**【Solution】**

Press **STOP**.

If the disk is damaged, it can no longer be used.

If the disk is actually a new one (or if it has been previously used with another device), initialize it first.

```
Error99 DISK I/O ***
See owner's manual
```

**【Problem】**

An unexpected error has occurred during disk input/output.

**【Solution】**

Press **STOP**.

Write down the number that appears in the upper right hand corner of the display, and include information about the procedure you were working with at the time of the error, and the particular hardware setup you are using.

Then, contact the nearest Roland Service Station. The information you have written down will be helpful in determining the cause of the error.



# Information

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

## U. S. A.

Roland Corp US  
7200 Dominion Circle  
Los Angeles, CA. 90040 - 3647  
U. S. A.  
☎ (213)685 - 5141

## CANADA

Roland Canada Music Ltd.  
(Head Office)  
13880 Mayfield Place  
Richmond B. C., V6V 2E4  
CANADA  
☎ (604)270 - 6626

Roland Canada Music Ltd.  
9425 Transcanadienne  
Service Rd. N.,  
St Laurent, Quebec H4S 1V3  
CANADA  
☎ (514)335 - 2009

Roland Canada Music Ltd.  
346 Watline Avenue,  
Mississauga, Ontario L4Z 1X2  
CANADA  
☎ (416)890 - 6488

## AUSTRALIA

Roland Corporation  
(Australia)Pty. Ltd.  
(Head Office)  
38 Campbell Avenue  
Dee Why West. NSW 2099  
AUSTRALIA  
☎ (02)982 - 8266

Roland Corporation  
(Australia)Pty. Ltd.  
(Melbourne Office)  
50 Garden Street  
South Yarra, Victoria 3141  
AUSTRALIA  
☎ (03)241 - 1254

## NEW ZEALAND

Roland Corporation (NZ)Ltd.  
97 Mt. Eden Road, Mt. Eden,  
Auckland 3  
NEW ZEALAND  
☎ (09)398 - 715

## UNITED KINGDOM

Roland(UK)Ltd.  
Amalgamated Drive  
West Cross Centre, Brentford,  
Middlesex TW8 9EZ,  
UNITED KINGDOM  
☎ (81)568 - 4578

## GERMANY

Roland Elektronische  
Musikinstrumente  
Handelsgesellschaft mbH.  
Oststrasse 96,  
2000 Norderstedt  
GERMANY  
☎ 040/52 60 090

## BELGIUM/HOLLAND/ LUXEMBOURG

Roland Benelux N. V.  
Houtstraat 1  
B - 2431 Oevel - Westerlo  
BELGIUM  
☎ (0032)14 - 575811

## DENMARK

Roland Scandinavia as  
Langebrogade 6  
Box 1937  
DK - 1023 Copenhagen K.  
DENMARK  
☎ 31 - 95 31 11

## SWEDEN

Roland Scandinavia as  
DanvikCenter 28 A, 2 tr.  
S - 131 30 Nacka,  
SWEDEN  
☎ 08 - 702 00 20

## NORWAY

Roland Scandinavia  
Avd. Norge  
Lilleakerveien 2  
Postboks 95 Lilleaker  
N - 0216 Oslo 2  
NORWAY  
☎ 02 - 73 00 74

## FINLAND

Fazer Musik Inc.  
Länsituulentie  
POB 169  
SF - 02101 Espoo  
FINLAND  
☎ 0 - 43 50 11

## ITALY

Roland Italy S. p. A.  
Viale delle Industrie 8  
20020 ARESE MILANO  
ITALY  
☎ 02 - 93581311

## SPAIN

Roland Electronics  
de España, S. A.  
Bolivia 239  
08020 Barcelona  
SPAIN  
☎ 93 - 308 - 1000

## SWITZERLAND

Musitronic AG  
Gerberstrasse 5, CH - 4410  
Liestal  
SWITZERLAND  
☎ 061/921 16 15

Roland CK (Switzerland) AG  
Hauptstrasse 21/Postfach  
CH - 4456 Tenniken  
SWITZERLAND  
☎ 061/98 60 55  
Repair Service by Musitronic AG

## FRANCE

Musikengro  
102 Avenue Jean - Jaures  
69007 Lyon Cedex 07  
FRANCE  
☎ (7)858 - 54 60

Musikengro  
(Paris Office)  
Centre Region Parisienne  
41 rue Charles - Fourier,  
94400 Vitry s/Seine  
FRANCE  
☎ (1)4680 86 62

## AUSTRIA

E. Dematte & Co.  
Neu - Rum Siemens - Strasse 4  
A - 6021 Innsbruck Box 591  
AUSTRIA  
☎ 43(05222)63 451

## GREECE

V. Dimitriadis & Co. Ltd.  
2 Phidiou Str., GR 106 78  
Athens  
GREECE  
☎ 1 - 3620130

## PORTUGAL

Casa Caius Instrumentos  
Musicais Lda.  
Rua de Santa Catarina 131  
Porto  
PORTUGAL  
☎ 02 - 38 44 56

## HUNGARY

Intermusica Ltd.  
Warehouse Area 'DEPO'  
Budapest. P.O. Box 3,  
2045 Torokbalint  
HUNGARY  
☎ 1868905

## BRAZIL

Oliver do Brazil S.A.  
Instrumentos Musicais  
Av. Cecl. No.578  
Centro Empresarial  
Tambore - Barueri - SP.  
CEP - 06400  
BRAZIL  
☎ (011)709 - 1267

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