

**AKAI**  
*professional*

# S1000HD

## DIGITAL STEREO SAMPLER

### Operator's Manual

Thank you very much for purchasing the S1000HD.

The S1000HD is an S1000 Stereo MIDI Digital Sampler with a built-in 40-megabyte hard disk. Accordingly, its basic functions and specifications are exactly the same as those of the S1000. To operate this unit, follow the instructions contained in the S1000 instruction manual, except for the operations related to the internal hard disk of the S1000HD.

The instructions in this manual relate exclusively to the S1000HD model equipped with a built-in hard disk.

Before using this unit for the first time, carefully read this instruction manual after having first read the instruction manual for the S1000.

#### Features of S1000HD

In addition to the features of the S1000, the S1000HD has the following features of its own.

- Equipped with a built-in hard disk with large 40-megabyte storage capacity. A huge amount of sampling data can at all times be stored in the S1000HD unit.
- High-speed processing of data - about 6 times higher than the speed of loading or saving data from a floppy disk.
- Almost no new operations need to be mastered, because writing or reading of data to or from the hard disk is done basically in the same way as when using a floppy disk.

# Before using the unit

Because the unit contains a super-precision hard disk drive, it should be handled with utmost care. Always observe the following precautions.

## Installation

As in the case of a computer system, special care should be taken to install this unit on a level surface in a well ventilated area, where it is not exposed to direct sunlight, high humidity, dust and excessive temperature fluctuations.

## Handling

- ① Never expose the unit to strong shocks (by dropping it, etc.), vibrations during use, or shocks which may be caused by moving the unit while it is still switched on.
- ② Before moving or transporting the unit, always make sure that the heads of the hard disk are set to a safe parking position by first performing "PARK" operation.  
(Refer to S1000 Instruction Manual, Section IX - 8.)
- ③ It takes about 20 seconds for the hard disk to become operational after the unit has been switched on.
- ④ Never turn off the power while the hard disk is being accessed (i.e., while data is being loaded or saved).
- ⑤ Do not move the unit for about 30 seconds after it has been switched off.  
If the above precautions are not strictly observed, the content of the hard disk may be destroyed. Always make sure to observe precautions 1) to 5) when using the unit.

### NOTE:

Defects caused by careless handling of the unit are not covered by the warranty.

## Backup of data

AKAI Electric Co., Ltd. will not assume any responsibility whatsoever for loss of data caused by a defect of the unit during operation.

It is therefore strongly recommended that you always prepare a backup of the data stored on the hard disk by copying it on a floppy disk.

# OPERATIONS

## SKIP Function

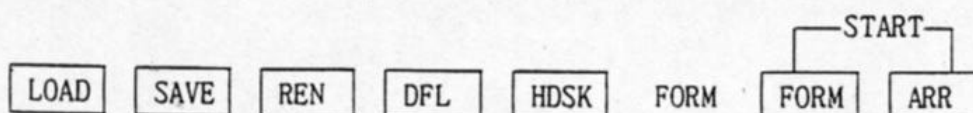
The initial display after the S1000HD has been switched on is "OPERATING SYSTEM \*.\*", followed by "waiting for hard disk ready..." and to the right of this, "SKIP".

Users who feel that the 20 seconds waiting time required for the hard disk to become operational is too long, can press the [F8]: SKIP key at this point. This makes the display "SELECT PROG" appear immediately without the user having to wait for this until the hard disk has become operational.

Note, however, that the waiting time until the hard disk can be operated is still about 20 seconds.

## Formatting

Because the unit has been formatted before leaving the factory, formatting is basically not required. If reformatting should be necessary in the future, proceed as follows. Press the [DISK] key and turn the [DATA] control knob to select **HARD**. Next press soft key [F6]: FORMAT to call the following display:



When soft key [F7]: FORMAT START is pressed, the message

**Destroy all hard disk data....?** is displayed for the purpose of reconfirmation. Press the [F8] key.

If the answer is "no", press the [F7] key.

Formatting will be completed after 2 to 3 minutes. The unit will then automatically switch over to "ARR:" (arrange) operation. The "arrange" operation only erases the directory of the hard disk to prepare it for exclusive use with the S1000/S1000PB. This operation is executed at a very high speed. When completed, the unit automatically switches over to "verify" operation. During "verify" operation each block is checked for possible defects and defective sectors are marked so as to exclude them from the usable area.

If "verify" operation is not needed, it can be skipped by pressing the [F7]: SKIP key.

This completes the formatting/arrange operations. The following message is displayed to indicate that the hard disk is now ready for use:

**HARD DISK NOW EMPTY AND READY FOR USE**

## **CAUTION:**

The formatting and arrange operations need to be performed only once. If these operations are performed after data has been stored, all data stored on the hard disk will be erased.

### **\* Specification of internal hard disk**

Since the S1000HD can also be used with an external hard disk, the following operation is required to specify the use of the internal hard disk.

First press the DISK key and then press [F7] (HDSK).

Next move the cursor to "SCSI drive:". If "INTERNAL" is displayed, the unit is specified for use with the internal hard disk. If "EXTERNAL" is displayed, the unit is specified for use with an external hard disk; in this case, turn the [DATA] knob to change the display to "INTERNAL".

### **\* Saving, loading, renaming and deleting data on the hard disk.**

For details about saving, loading, renaming and deleting of data on the hard disk, please refer to Chapter 9 "DISK" of the S1000 Instruction Manual.

Because the cursor is on "LOAD FROM DISK" position when the [DISK] key is pressed, the above operations should be performed after "HARD" has been specified by turning the [DATA] knob.

In all operations for writing or reading data to or from the hard disk, the volume (vol:) must always be specified first. Move the cursor to "vol:" and select the desired volume with the [DATA] knob. To store data in an empty volume, turn the [DATA] knob clockwise all the way, select a volume indicated by "\*\*\*\* IS EMPTY" and store the data in that volume.

### **NOTES: File storage capacity of hard disk**

The maximum number of volumes and files (sample data, program data, etc.) that can be stored on the hard disk are as follows.

- ① Number of volumes storable on hard disk: ... 128 max.
- ② Number of files (programs + samples) storable in one volume: ...128 max.

### **\* Data transfer from floppy disk to hard disk**

Direct file transfer from a floppy disk to the hard disk is not possible with the S1000HD. To transfer data from a floppy disk to the hard disk, it is necessary to first read the data from the floppy disk into the main memory of the S1000HD and then save this data on hard disk.

### **\* Backup of data stored on hard disk**

Making a backup copy of hard disk data onto a floppy disk through direct file transfer is not possible with the S1000HD. To make a backup copy of hard disk data on a floppy disk, it is necessary to first read the hard disk data into the main memory of the S1000HD and then transfer it from there to a floppy disk.

## \*Function of soft key [F5]: HDSK

When the [F5] key is pressed, the following will be displayed:

```
Hard disk control
  drive number : 0
  SCSI drive   : Internal

Press PARK to set heads to safe position
```

Drive number: 0

Selects the hard disk  
connected to drive 1

-

7

Selects the hard disk  
connected to drive 8

If a cascade connection is used, up to 8 hard disks can be connected. To connect external hard disks, select "EXTERNAL" for the SCSI drive and use the SCSI port. The "drive number" function is used to specify the drive number of the hard disk to be accessed. Usually only one hard disk is connected; in that case the drive number should be set to "0".

When several hard disks are connected, the ID number at the hard disk side must be set in accordance with the drive number to which each hard disk is connected. In such a case, please contact the shop where the hard disks were purchased.

## PARK operation

When soft key [F8]: PARK is pressed, "park" operation will be performed.

Press [F8] → Busy - please wait → Park command complete

This is an important function which causes the heads of the hard disk to be set to a safe position. Always perform this park operation before moving the unit. It is also recommended to perform park operation before turning off the power after use.

## Function of soft key [F3]: RENAME

This function is used to assign a name to the volumes saved on hard disk or to the files in the volumes.

Example: Renaming of volume 1 of the hard disk after data has been stored in it.

First make Volume 001 appear to the left of HARD on the display, and then:

Press soft key [F3]: RENAME → Press the [NAME] key → The cursor moves to NEW NAME.

Now enter the name according to the RENAME procedure of the S1000/S1000PB.

Example: NEW NAME → Press the [ENT/PLAY] key → Press soft key [F7]: VOL.

G. Piano  
Volume 001 has now been renamed G. Piano.

To rename a file within a volume, first move the cursor on the file to be renamed, enter the new name and press the [ENT/PLAY] key and soft key [F8]: FILE.

## NOTES:

- \* The SCSI port of the S1000HD is terminated with a terminating resistor. When connecting an external unit with the S1000HD, remove a terminator of the external unit.