

SHARP

HARD DISK DRIVE

MODEL **MZ-1F10**

USER'S MANUAL



Introduction

Thank you for purchasing the Sharp MZ-1F10 Hard Disk Drive. For proper use and long service life, please carefully read this instruction manual and familiarize yourself with its contents. Be sure to keep the manual in a safe place for future reference.

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Cautions

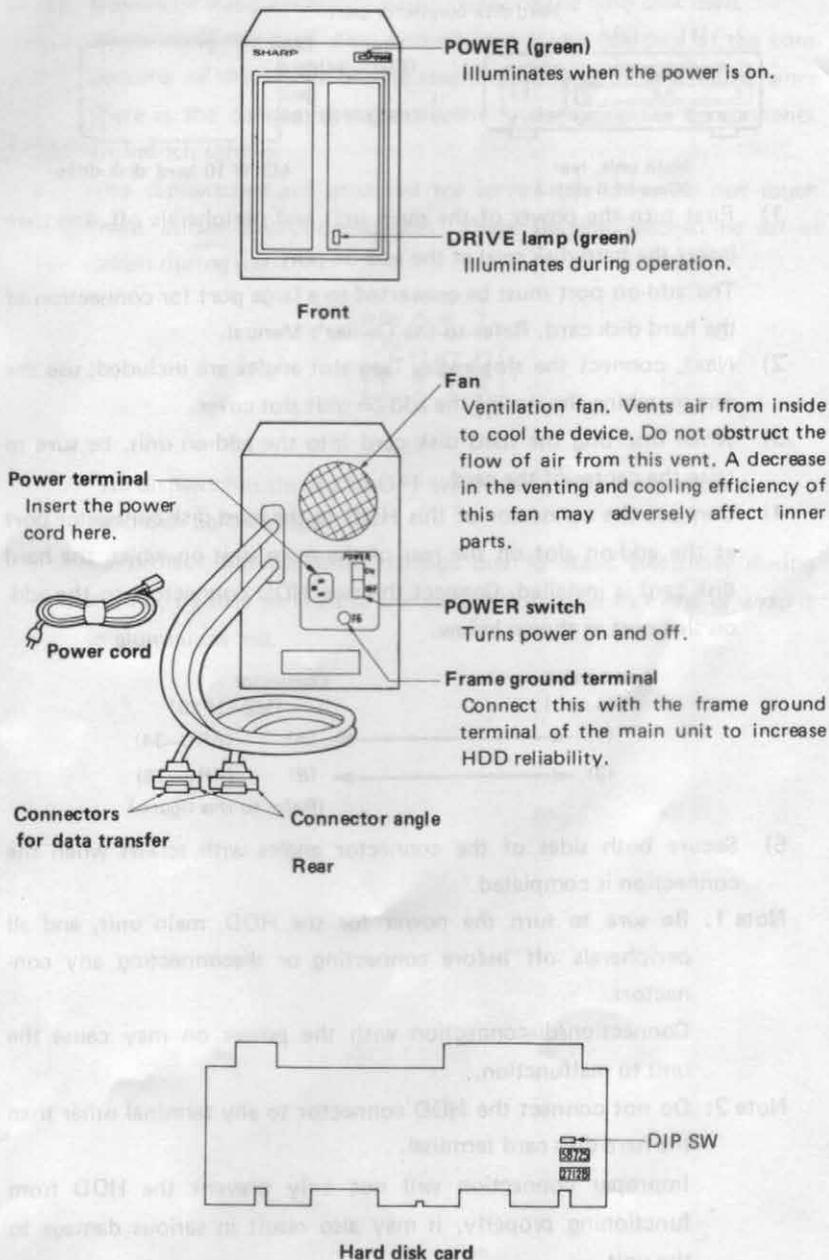
Whereas problems and malfunctions occurring with a mini floppy disk drive can be resolved relatively easily, malfunctions and improper use are extremely difficult to correct on this hard disk drive. Accordingly, be sure to follow the below precautions whenever using this unit.

| | |
|----|--|
| 1) | Back-up copy This unit is designed to assure high reliability. However, back up copies of all programs and data should be retained on separate mini floppy disks to prevent loss or damage of the same in the event of improper operation or unit malfunction. Remember that correction of damaged data and programs may not be possible if back-up copies are not retained. Refer to the manual for software supporting this unit to make back-up copies. |
| 2) | During unit access Do not turn the power switch ON/OFF while the power for this and the main computer are on as this may result in damage to the data recorded on the disk or unit malfunction. |
| 3) | Moving the hard disk drive This is a precision device, requiring particular care in handling and transportation. Before moving this unit execute the HDTRNS command (explained below) to position the head where it will be least affected by vibration and slight shocks. Command execution: Input HDTRNS <input type="button" value="↵"/> from the keyboard. |
| 4) | Power ON/OFF To turn the power on, first turn the power for this device and other peripherals on, and then turn the main unit power on. Similarly, first turn the main unit off, and then turn off this drive and other peripherals. |
| 5) | Operation Wait at least 15 sec. after turning the power on before operating this device. |
| 6) | Vibrations and shocks Do not subject this device to any shocks or vibrations during operation. |
| 7) | Rapid temperature changes To move this unit to where the temperature is more than 10°C different from its present location, first place it where the temperature difference is less than 10°C for one hour, and then gradually increase or decrease the temperature. |

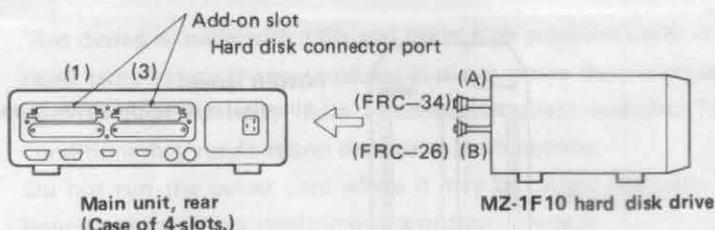
Notes from the manufacturer

- 1) This device is made with LSIs and other high precision parts. Avoid rapid temperature changes, and use in places where there is excessive dust or high humidity. Also avoid use in direct sunlight. These conditions may result in unit damage or malfunctions.
- 2) Do not run the power cord where it may be caught and pulled by your feet as this may result in shorts or power outages.
- 3) Do not pull the power cord suddenly or forcefully. Only disconnect the power cord after the power has been turned off.
- 4) Do not pull on the connector cables. Do not move this device with the connector cables connected.
- 5) Do not hit, drop, tilt, or reverse the position of this device. Such movement, particularly during operation, may result in malfunctions.
- 6) Set this device on a firm, level surface.
- 7) Do not use this device near other equipment generating excessive noise. Furthermore, connect this device and such noise-generating devices to separate power circuits to avoid malfunctions.
- 8) Do not place other objects on top of this device or cover the air vent with a cloth or other object.
- 9) Use a dry, soft cloth to clean this device. Do not use alcohol, benzene, thinner, other volatile substances, or wet cloths as these may damage the finish.
- 10) Do not loosen or remove the screws.

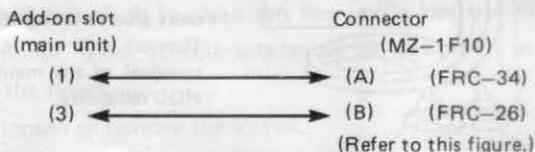
1. Part names and functions



2. Connection



- 1) First turn the power of the main unit and peripherals off, and then insert the hard disk card at the add-on port.
The add-on port must be converted to a large port for connection of the hard disk card. Refer to the Owner's Manual.
- 2) Next, connect the slot angle. Two slot angles are included; use the one matching the size of the add-on unit slot cover.
- 3) When inserting the hard disk card into the add-on unit, be sure to raise the center of the card.
- 4) Connect the connector of this HDD to the hard disk connector port at the add-on slot on the rear of the main unit on which the hard disk card is installed. Connect the two HDD connectors to the add-on slot port as shown below.



- 5) Secure both sides of the connector angles with screws when the connection is completed.

Note 1: Be sure to turn the power for the HDD, main unit, and all peripherals off before connecting or disconnecting any connectors.

Connection/disconnection with the power on may cause the unit to malfunction.

Note 2: Do not connect the HDD connector to any terminal other than the hard disk card terminal.

Improper connection will not only prevent the HDD from functioning properly, it may also result in serious damage to the unit.

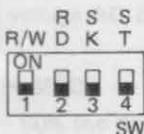
3. Cautions on handling the hard disk card

- 1) Beware of static electricity when installing the hard disk card.

When using the hard disk card do not touch the pins of the components or the traces on the board directly with your hands since there is the danger of static electricity damaging the components.

- 2) Dipswitch settings

The dipswitches are provided for service use only. Do not touch them under any circumstances. These switches should be set as below during use.



* All dipswitches should be OFF when using the hard disk card.

- 3) Hard disk card storage

To protect the ICs from damage due to static electricity during storage, be sure to enclose the hard disk card in its cover or wrap it in aluminium foil.

4. Service and repair

In the event of any malfunction or damage, immediately cease operation, unplug the power cord, and contact your local dealer or service outlet. When repairs are required, this hard disk drive should be repacked in its original packing and shipped to the service outlet.

Before doing this, be sure to perform step 3 (HDTRNS command execution) in the cautions (p. 3) before packing the HDD.

This is a precision device. You should not attempt to repair it yourself as this can be dangerous, as can operation when the unit is damaged.

(3) Secure with a cap of the connector pins with a screw when the connection is completed.

Note 1: Be sure to plug the connector of the HDD into the connector peripheral off during connecting or disconnecting the connector.

Connection/disconnection: With the power off, connect the HDD to the system.

Note 2: Do not connect the HDD connector to any terminal other than the hard disk controller.

Improper connection will not only prevent the HDD from functioning properly, it may also result in serious damage to the unit.

5. Specifications

[When used with CP/M-86 software]

| | |
|-------------------------|--|
| Model: | MZ-1F10 |
| Memory capacity: | approx. 5.3Mbytes x 2 [approx. 5.3Mbytes x 2] |
| Disk number: | 2 |
| Heads: | 4 |
| Cylinders: | 317 (excluding 3 system reservation cylinders) |
| Tracks: | 317 x 4 [673 x 2] |
| Sectors: | 17/track [16/track] |
| Bytes: | 512/sector [512/sector] |
| AC line voltage: | Local voltage AC, 50/60 Hz |
| Power consumption: | 65W |
| Operating temperature: | 10°C ~ 35°C |
| Operating humidity: | 20% ~ 80% (no dew) |
| Temperature variations: | less than 10°C/hr |
| Dimensions: | 118 W x 331 D x 189 H (mm) |
| Weight: | 9.5 kg |
| Accessories: | hard disk card, power cord, Instruction manual |

* Specifications are subject to change without notice.

This apparatus complies with requirements of CE 803 and EEC directive 82/499/EEC.

Dieses Gerät stimmt mit den Bedingungen der EG-Richtlinien 82/499/EEG überein.

Cet appareil répond aux prescriptions de la directive CEE 82/499/CEE.

Dit apparaat voldoet aan de vereiste EEC-richtlijnen 82/499/EEC.

Apurukset täyttävät käynnä EF-vaatukset 82/499/EE.

Questo apparecchio è stato prodotto in conformità alle direttive CEE 82/499/CEE.

This apparatus complies with requirements of BS 800 and EEC directive 82/499/EEC.

Dieses Gerät stimmt mit den Bedingungen der EG-Richtlinien 82/499/EWG überein.

Cet appareil répond aux spécifications de la directive CCE 82/499/CCE.

Dit apparaat voldoet aan de vereiste EEG-reglementen 82/499/EEG.

Apparatet opfylder kravene i EF direktivet 82/499/EF.

Questo apparecchio è stato prodotto in conformità alle direttive CEE 82/499/CEE.

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