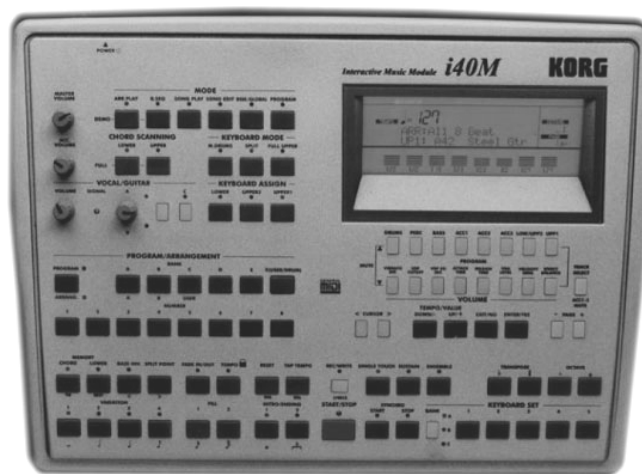


Installation Manual

KORG *i40M*

Hard Disk Expansion :



Content:

- 1. General**
- 2. Data Back-up**
- 3. Upload new Hard Disk Operating system**
- 4. Open i40M Module**
- 5. Installing the i40M Hoat Adapter board.**
- 6. Installing the 140M Hard Disk**
- 7. Testing and formatting the Hard Disk.**

WARNING:

**The installation of this hardware for the KORG *i40M Music Modul* must be referred to an authorized technical personal.
We will not be liable for any damages arising out of improper installation.**

Contents of the EXK-IHD Kit:

- *i40M* Hard Disk host adapter board with ribbon cable.
- Hard disk with adhesive tape.
- Floppy disk containing the new Hard Disk operating system of the *i40M*.
- Miscellaneous installation material (screws, distant holder etc.)

1. General

The room in which the components are installed must be clean and dry. Note that there are delicate electronic components inside the *i40M* which could be damaged by electrostatic discharge. For this reason you should avoid touching the components' contacts. The only tool required for installation is a Philips screwdriver.

2. Data Back-up

Before you begin with the installation use the "SAVE ALL DATA" function of the "DISK" menu to make a back-up copy of all the *i40M* data to floppy disk.

3. Upload new Hard Disk operating system

Put the *iS40/iS50* HD operating system Floppy Disk into the Floppy Disk Drive. While pressing the **REC/WRITE** and the **EXIT/NO** key switch the *iS40/iS50* keyboard **ON**. The keyboard automatically start to upload the new operating system. Operation will takes few minutes. When the procedure is completed switch the keyboard **OFF**.

4. Opening the I40M Music Module

Switch off the instrument and disconnect all connecting cables, especially the power cord of the keyboard. Turn the module upside down and pull out all screws marked with an arrow. Turn the module again and put the whole plastic front section with the display and knobs off.

5. Installing the i40M Host Adapter Board

Mount the hard disk host adapter board on the place between the power supply and the small vocal harmony board (KLM-987).

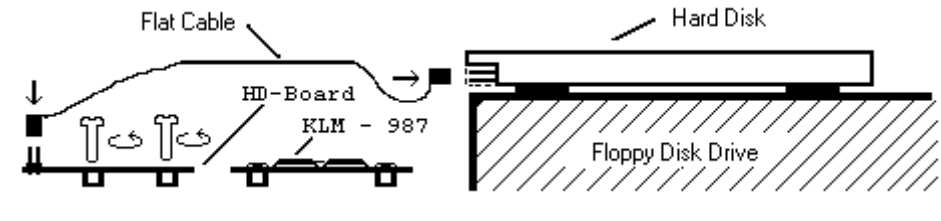
The big board PC-Board in the middle is the mainboard of *i40M*. Search the 14pin connector CN4, it is located at the side that belongs to the floppy disk drive. Put out the 14 Pin Cable that goes to the display and put it inside of the free 14 pin connector in the hard disk host adapter board. Insert the 14 Pin cable that is connected in the hard disk board in the 14 pin connector CN 4 of the mainboard that is free now.

Put out the power connector of the floppy disk drive (3 lines, black, black red) and put it into the white 4 pin connector of the hard disk board. Connect the 4 pin cable (yellow, black, black, red), that is soldered on the hard disk board, into the floppy power connector of the floppy drive. Attach the 44pin flat cable of the hard drive to the host adapter board. The place of pin one is marked with a red point. Pin one of the flat cable is also red.

6. Installing the i40M Hard Disk

Attach the 44pin flat cable of the hard drive to the host adapter board. The place of pin one is marked with a red point. Pin one of the flat cable is also red. Mount the hard disk drive itself on the top of the floppy disk drive with the adhesive tape.

See picture:



Reassemble the i40M Module

7. Testing and formatting the Hard Disk

- If an empty display appears after switching the keyboard on, please check the 14 pin blue and the 14 pin brown cable leading to the Host Adapter Board.
- If the Floppy Disk Drive does not work after installation, check the red-black-black-yellow power cable leading from the Host Adapter Board to the Floppy Disk Drive.
- If the message "**HARDDISK: ERR**" occurs, please switch the instrument off and check the installation. This message means that the media does not work because the operating System has not detected the Hard Disk. Check the 40 pin ribbon cable connection of the Hard Disk.
- If the partition to be formatted contains data, the message "**DISK: CONTAINS XY FILES**" will appear on the display. Check the data of this hard disk partition and decide whether you want to delete it or not.
- **Format operation:** press the **DISK** key and use the **CURSOR >** key to select the **UTILITY** page, press **YES**, select **FORMAT** option and press **YES** again. While pressing **DISK** (or Trk.Select) key select the desired partition (C,D,E,F,G,...) using **UP/DOWN** (or the dial in *iS40*) keys, then press the **YES/ENTER** to confirm format operation.
- Generally **All partitions** are formatted when the Hard Disk Drive Kit left our company.