E4/E-6400/E-Synth   IDE HARD DISK INSTALLATION INSTRUCTIONS
ULTRA   Kit 6303

This kit allows you to install an IDE hard disk drive into an Emulator 4 Ultra sampler. Older Emulator models (before Ultra) cannot use IDE disk drives.

Tools Needed: Phillips head screwdriver #1

6303 Kit Contents:

(1) Installation instructions

(1) IDE ribbon cable (AC10148-01)

(1) DC power cable (AC386)

(4) Hard disk mounting screws (HS353)

WARRANTY MAY BE VOIDED IF DAMAGE IS CAUSED BY IMPROPER INSTALLATION, IMPROPER OR INADEQUATE MAINTENANCE, ACCIDENT, ABUSE, ALTERATION, UNAUTHORIZED REPAIRS, TAMPERING, OR FAILURE TO FOLLOW PROCEDURES AS OUTLINED IN THIS INSTALLATION GUIDE.

IDE DRIVE SUPPORT IN EOS V4.01 FOR E4 ULTRA

EOS v4.01 for E4 Ultra now supports an internal IDE drive; it needs to be **ATA-3 (or higher) compliant** or else it will **not** be mounted.

The IDE drive needs to be configured as the **Master** device. Currently, EOS only supports one internal IDE drive configured as the Master device; it ignores a Slave device.

Currently, EOS does not support ATAPI devices (IDE CD-ROM drives, IDE Zip drives, etc.).

A list of compatible HD drives on the Emu Systems web page is periodically updated. *See:* **www.emu.com** if the drive you want to use is not on the list.

Installation

1) Remove Rack Ears if installed. Remove top of the chassis. There are two screws on each side and 3 along the top of the back.

2) Attach one end of the supplied IDE ribbon cable to the hard drive. The HD connector and cable are keyed, so they will only plug together one way. You should not have to use excessive force.

3) Attach the hard drive to chassis with 4 screws (HS353). The cable end of the hard drive faces toward the front of the unit.

WARNING #1: *Before touching anything inside the unit, you should "Ground" yourself, by touching a grounded object such as a water pipe or a grounded piece of equipment. Grounding yourself prevents the static charge in your body from damaging the IC chips . Do not walk across the room or across a rug, after grounding yourself as this will defeat the purpose of grounding yourself.*

WARNING #2: *Make sure to connect the IDE ribbon cable to the **IDE Connector** and NOT the DAN Buss or the Internal SCSI connector.*

4) Connect the supplied DC power cable between the HD Power connector on the main board (CN13) to the power receptacle on the drive. The connectors are keyed. The board connector CAN be forced to plug in backwards but don't do it. It plugs in easily when correctly installed.

5) Attach other end of ribbon cable to the **IDE Connector** on the CPU board. The striped edge of the cable should line up with Pin 1 on the IDE Connector. Fold the cable neatly

6) That's about it! IDE drives come PRE-FORMATTED with Low Level formatting. Use the "plain" Format command to format the drive (not FormatLL). Refer to your EOS operation manual for additional information on mounting and formatting disk drives.

These instructions are NOT provided as a guarantee against improper installation. When in doubt contact: E-mu Customer Service at (831) 438-1921.

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