

**User's Manual**  
**MIC-A-001**

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**YAMAHA**

CONFORMS TO MIDI (Music Instrument Digital Interface) STANDARD

**MUSIC**

For Apple II & Apple IIe Computers

**INTERFACE**

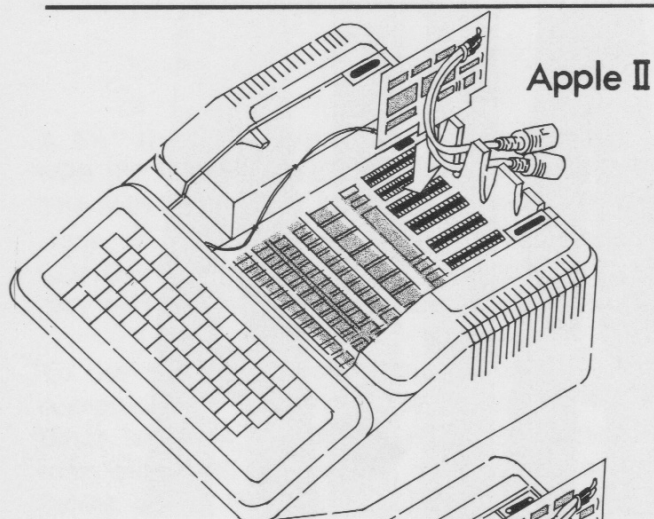
**YAMAHA**

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## INSTALLING THE MUSIC INTERFACE CARD

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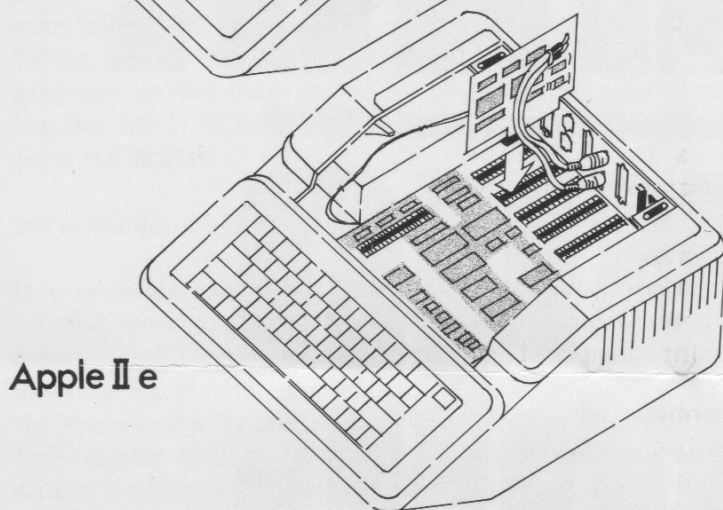


First make sure that the power to your Apple\* computer is turned OFF.

Remove the computer's cover and insert the MUSIC INTERFACE card into slot #2 as shown in the illustration (the component side of the MUSIC INTERFACE card should be to the right when viewed from the front of the computer).

Thread the cables with DIN connectors through the nearest opening in the rear of the computer cabinet.

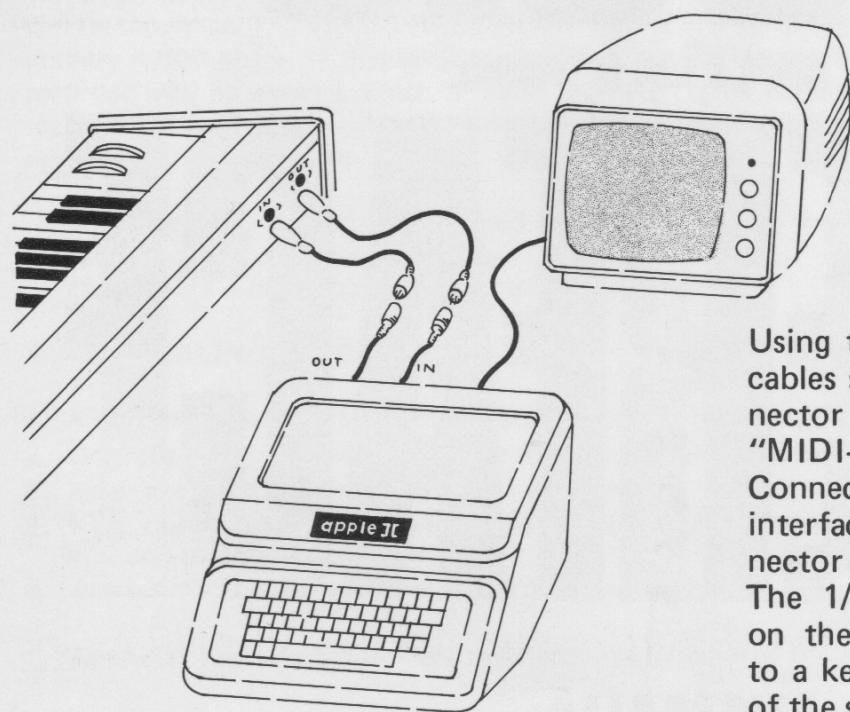
Replace the computer cover.



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## CONNECTION TO THE SYNTHESIZER

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When the MUSIC INTERFACE has been properly installed, the two DIN connectors marked "IN" and "OUT" that are attached to the interface card should protrude from the rear of the computer cabinet.

Using the 1.5 meter (5') DIN connector cables supplied, connect the "OUT" connector from the interface card to the "MIDI-IN" connector on the synthesizer. Connect the "IN" connector from the interface card to the "MIDI-OUT" connector on the synthesizer.

The 1/4" phone jack output connector on the synthesizer should be connected to a keyboard amplifier as for normal use of the synthesizer.

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## PRE-USE CAUTIONS

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1

### **Avoid Moisture and High Humidity**

Moisture and high humidity can cause damage to the music interface, the computer and the synthesizer. Use and store your music system in a dry location.

2

### **Avoid Physical Shock**

Handle your music interface with care. Severe mechanical shock can damage the interface card.

3

### **Avoid High Temperatures**

Make sure that the music interface is not subject to extremely high temperatures. Leaving the interface in direct sunlight can subject it to temperatures high enough to cause damage.

4

### **Avoid Dust and Dirt**

Dust, dirt and other contaminants can cause the music interface to malfunction. In particular, avoid touching the edge connector section of the interface card.

5

### **Turn the Computer OFF for Installation**

Inserting the interface card into the computer connector while the computer's power is ON can result in severe damage to the interface and even the computer. Make sure that power is OFF before installing the interface card.

6

### **Use Only With Synthesizers Conforming to MIDI Standards**

The Yamaha music interface has been designed specifically for use with Yamaha DX-Series synthesizers or other synthesizers featuring a MIDI standard data interface buss. Do not attempt to connect the music interface to any other instruments or audio equipment.

7

### **Leave the Interface Installed**

If the music interface is removed from the computer it may be subject to damage. The safest place for the interface is inside the computer, so once it is installed we recommend that it be left installed.

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## IN CASE OF TROUBLE

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If the MUSIC INTERFACE does not function properly, the computer display remains blank, or any other problem occurs, please check the following points:

1

Is the power to the computer, monitor and synthesizer turned ON? Also make sure that the disc drive controller is properly installed.

2

Is the MUSIC INTERFACE properly installed? If necessary, repeat the installation procedure making sure that the interface card is firmly inserted into the correct slot (#2) and facing the correct direction.

3

Are the DIN cables connected properly? Make sure that the DIN connectors are firmly connected, and that the IN and OUT terminals are connected to the proper terminals on the synthesizer.

# SAMPLE SOFTWARE

A 5¼" floppy diskette containing two sample programs is included with the MUSIC INTERFACE.

The MINI SONG ALBUM program plays one of two musical selections on your DX synthesizer in six notes, and the MUSIC RECORDER program allows you to record and playback anything you play on the synthesizer keyboard (approximately 4,000 notes).

To use the sample software, first boot the diskette by turning the computer off, insert the diskette into drive #1 and turn the computer back on. When the diskette has been properly booted the main menu will appear on the monitor screen.

Select either the MINI SONG ALBUM or MUSIC RECORDER program on the main menu by entering the appropriate number (1 for the MINI SONG ALBUM, 2 for the MUSIC RECORDER) and press RETURN.

## MINI SONG ALBUM

If you select the MINI SONG ALBUM, the menu will appear permitting you to select LA PRIMAVERA by entering a "1" and pressing RETURN, or GREENSLEEVES by entering a "2" and pressing RETURN, stop playback by entering an "S", or return to the main menu by entering a "Q" and pressing RETURN.

The relative pitches of the six notes are displayed with colored bars on the monitor during playback.

## MUSIC RECORDER

If you select the MUSIC RECORDER, press "R" and then RETURN to begin recording. Anything you play on the DX keyboard will be recorded. The MUSIC RECORDER will record up to approximately 4,000 notes. If this limit is exceeded, everything previously recorded will be cleared. Press "P" and then RETURN to hear the recording. "S" stops playback, and a "Q" followed by RETURN returns to the main menu.

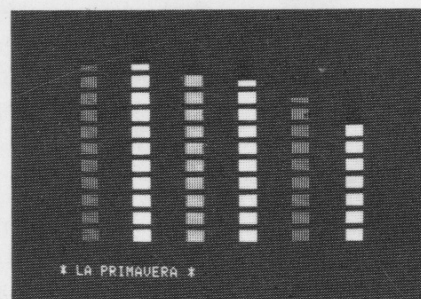
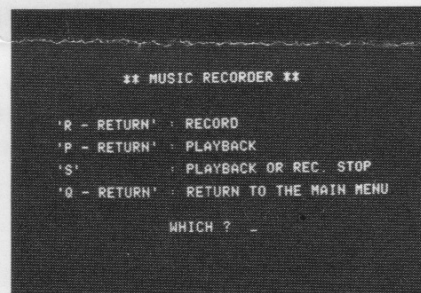
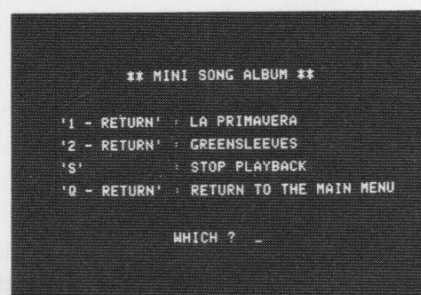
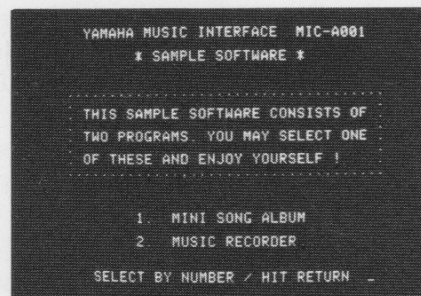
Any desired voice can be selected for playback using the voice selectors on the DX control panel.

Use the DX synthesizer's MIDI channel #1.

## DISK HANDLING PRECAUTIONS

1. Keep the diskette away from moisture and high humidity.
2. Do not place heavy objects on the diskette or bend the diskette in any way.
3. Keep the diskette free of dust, dirt and grease.
4. Keep the diskette away from magnetic fields such as those produced by magnets (speakers, etc) and electrical appliances.
5. Always insert the diskette into the drive correctly.

\* "Apple II" and "Apple IIe" are registered trademarks of the Apple Computer Inc.



**YAMAHA** MADE IN JAPAN