Update Installation Instructions

MC-1 Software Upgrade

NOTE: Installation of new software will reset your system configuration to factory default settings. In order to reconfigure your system easily, we recommend that you record your current settings before proceeding with the installation.

SAFETY SUMMARY

The following general safety precautions must be observed during all phases of operation, service and repair of this instrument. Failure to comply with these precautions, or with specific warnings elsewhere in these instructions violates safety standards of design manufacture and intended use of the instrument. Lexicon assumes no liability for the customer's failure to comply with these requirements.

GROUND THE INSTRUMENT

To minimize shock hazard the instrument chassis and cabinet must be connected to an electrical ground. The instrument is equipped with a three-conductor AC power cable. The power cable must either be plugged into an approved three-contact electrical outlet or used with a three-contact to two-contact adapter with the grounding wire (green) firmly connected to an electrical ground (safety ground) at the power outlet. The power jack and mating plug of the power cable meet International Electrotechnical Commission (IEC) safety standards.

DO NOT OPERATE IN AN EXPLOSIVE ATMOSPHERE

Do not operate the instrument in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

KEEP AWAY FROM LIVE CIRCUITS

Operating personnel must not remove instrument covers. Component replacement and internal adjustments must be made by qualified maintenance personnel. Do not replace components with power cable connected. Under certain conditions, dangerous voltages may exist even with the power cable removed. To avoid injuries, always disconnect power and discharge circuits before touching them.

DO NOT SERVICE OR ADJUST ALONE

Do not attempt internal service or adjustment unless another person, capable of rendering first aid and resuscitation, is present.

DO NOT SUBSTITUTE PARTS OR MODIFY INSTRUMENT

Because of the danger of introducing additional hazards, do not install substitute parts or perform any unauthorized modification to the instrument.

DANGEROUS PROCEDURE WARNINGS

Warnings, such as the example below, precede potentially dangerous procedures throughout this manual. Instructions contained in the warnings must be followed.

WARNING

Dangerous voltages, capable of causing death, are present in this instrument. Use extreme caution when handling, testing and adjusting.

SAFETY SYMBOLS

General definitions of safety symbols used on equipment or in manuals.

Instruction manual symbol: the product will be marked with this symbol when it is necessary for the user to refer to the instruction manual in order to protect against damage to the instrument.

Indicates dangerous voltage. (Terminals fed from the interior by voltage exceeding 1000 volts must be so marked.)

WARNING
The WARNING sign denotes a hazard. It calls attention to a procedure, practice, condition or the like which, if not correctly performed or adhered to, could result in injury or death to personnel.

CAUTION
The CAUTION sign denotes a hazard. It calls attention to an operating procedure, practice, condition or the like which, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product.

NOTE:
The NOTE sign denotes important information. It calls attention to procedure, practice, condition or the like which is essential to highlight.

CAUTION

Electrostatic Discharge (ESD) Precautions

The following practices minimize possible damage to ICs resulting from electrostatic discharge or improper insertion.

- Keep parts in original containers until ready for use.
- Avoid having plastic, vinyl or styrofoam in the work area.
- . Wear an anti-static wrist-strap.
- Discharge personal static before handling devices.
- Remove and insert boards with care.
- When removing boards, handle only by non-conductive surfaces and never touch open-edge connectors except at a static-free workstation.*
- Minimize handling of ICs.
- . Handle each IC by its body.
- Do not slide ICs or boards over any surface.
- Insert ICs with the proper orientation, and watch for bent pins on ICs.
- Use anti-static containers for handling and transport.

*To make a plastic-laminated workbench anti-static, wash with a solution of Lux liquid detergent, and allow to dry without rinsing.

MC-1 Software Upgrade Instructions

Before installing this software upgrade, record your current level settings and speaker configuration, as these will have to be re-entered once the software installation is complete.

The update kit includes:
- 1   MC-1 ROM (U87)
- 1   IC Extractor Tool (for ROM)
- 1   Upgrade Installation Instructions (this document)

Depending on the upgrade, the kit may also include:

Authorized front panel badge(s) for new functionality

Owner's Manual and Quick Reference Guide

You will also need a #2 Phillips head screwdriver and an anti-static wriststrap.

Performing any of the upgrades is an easy process, but to avoid problems, please follow these instructions carefully. Pay particular attention to the precautions listed in the safety summary and those which appear throughout these instructions. Any damage caused during installation is not covered under warranty.

WARNING

TURN OFF AND DISCONNECT ALL POWER TO THE UNIT PRIOR TO INSTALLING UPGRADE SOFTWARE.

Open the Unit

Remove the four (4) screws which attach the end caps (2 each) and the three (3) screws which attach the cover to the unit.
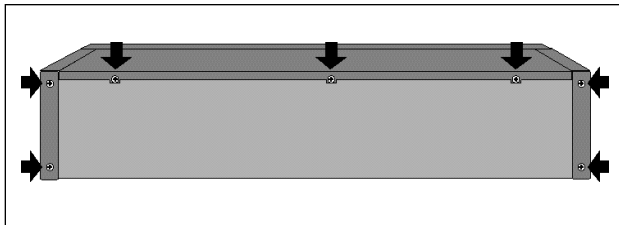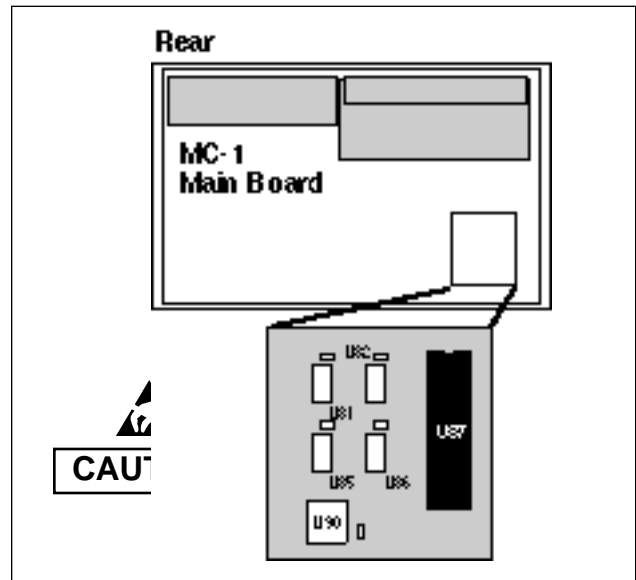

With the end caps removed, slide the cover off toward the rear of the unit.

If you haven't already done so, put on your anti-static wriststrap before proceeding to the next step.
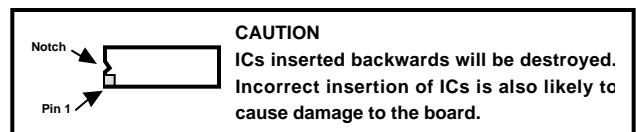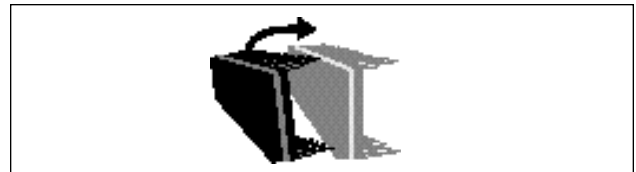
Install the IC

Refer to the illustration below to locate ROM (U87) on the MC-1 main board.

Check the ROM provided with your upgrade kit. Because the manufacturing process leaves the pins angled out slightly from the body of the ROM, the pins must be straightened before insertion with the following procedure:

1. Place the ROM on its side on a static free surface.

2. Hold the body of the ROM and, exerting gentle pressure downward, roll it slightly to force the pins into position parallel to your work surface.
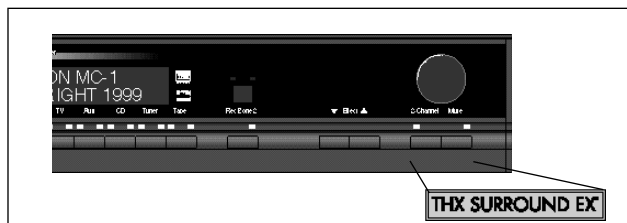

CAUTION
ICs inserted backwards will be destroyed.
Incorrect insertion of ICs is also likely to cause damage to the board.

Replace Cover
Reposition the cover and replace the five screws. Be careful not to overtighten the screws.

Affix Badge (if provided for new functionality)
Place the badge provided with your update kit to the front panel of your unit.

Reinitialize the Unit
Reconnect power to the unit and turn on the rear panel POWER switch. As soon as the unit finishes its power on diagnostics cycle, and the Lexicon banner is displayed, press and hold down the MUTE button on the remote control. Use the ▲ or ▼ buttons to select RESTORE DEFAULTS from the menu, and press SELECT.

The message: RESTORING DEFAULTS will be displayed, followed by the display: DEFAULTS RESTORED. Once this message appears, press DONE. The unit will respond as if coming out of STANDBY and is now ready to run the new software.

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