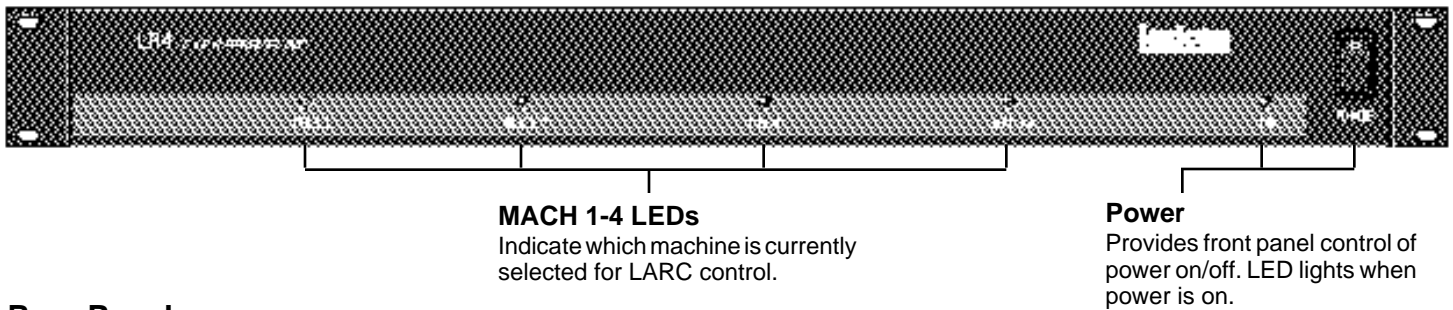


LR4 LARC Framelink

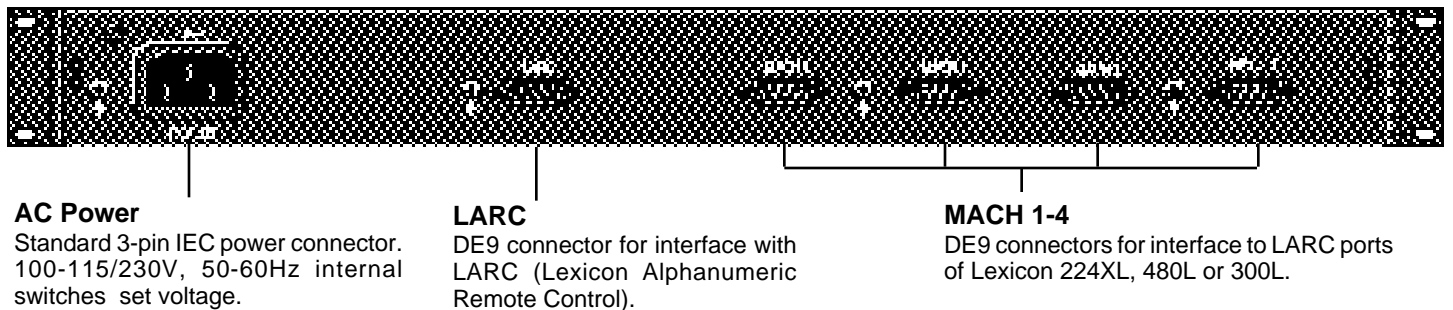
User Guide



LR4 Front Panel



Rear Panel



Unpacking and Inspection

After unpacking the LR4, save all packing materials in case you ever need to ship the unit. Thoroughly inspect the LR4 and packing materials for signs of damage. Report any shipment damage to the carrier at once; report equipment malfunction to your dealer.

Mounting

The LR4 uses one EIA-standard rack space for mounting in a standard 19 inch (483 mm) rack.

The maximum ambient operating temperature is 104°F (40°C). Provide adequate ventilation if the LR4 is mounted in a closed rack with heat-producing equipment such as power amplifiers.

Power Requirements

The LR4 is factory configured for 115 or 230V operation, and is equipped with a 3-pin IEC power connector and detachable cord.

Connections

Connection to the LARC should be made via the flexible 50 ft. cable supplied with the LARC. Connection to other Lexicon devices (224XL, 480L and 300L) should be made using a 10 ft Framelink cable, Lexicon Part No. 680-04734.

Operation

The LR4 Framelink allows a single LARC to communicate with as many as four LARC compatible Lexicon processors (224XL, 300L or 480L). Each mainframe can be individually selected via the LARC and, once selected, operation is transparent — exactly as though the LARC were directly connected to that mainframe.

LR4 power up behavior and default machine selection varies slightly depending on whether machines are connected and running when the LR4 is powered on, or are connected while the LR4 is running.

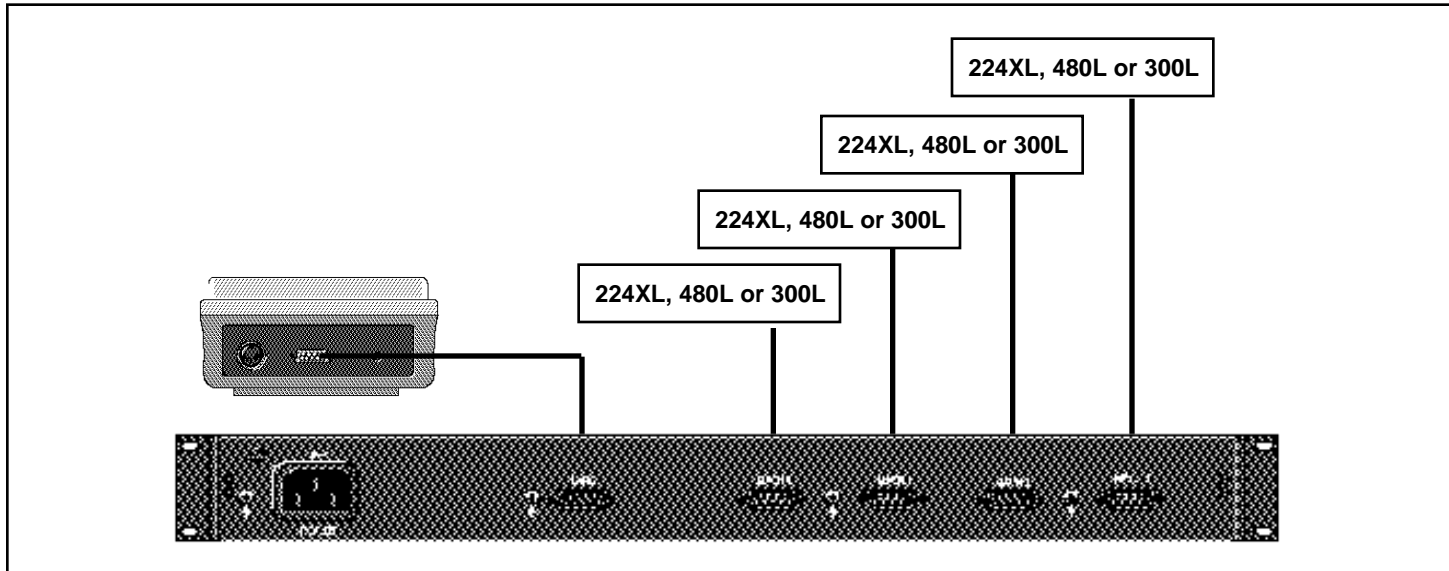
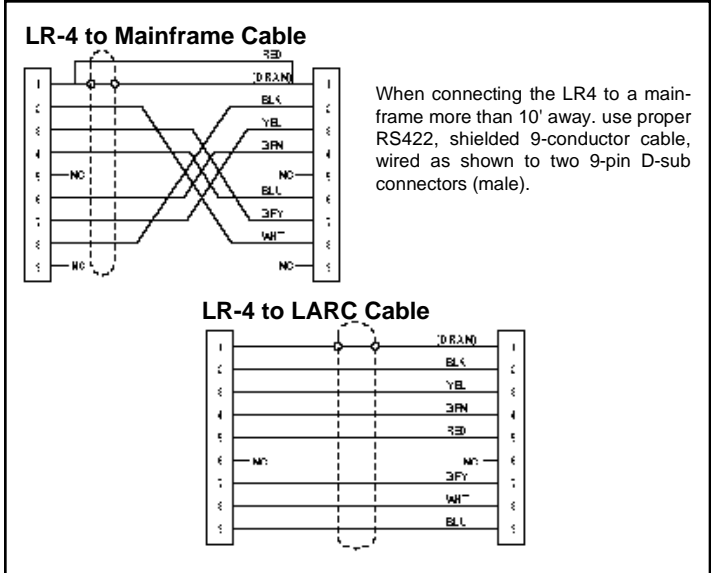
If machines are connected and running when the LR4 is powered on, the LR4 will go through a brief set of internal diagnostics tests, then begin successively polling each MACH port to verify connections. After identifying the machine connected to each port, the LR4 will return to the lowest numbered port with a connected device and activate LARC control. For example, LARC control will default to MACH1 if a device is connected there. If devices are connected only to MACH 3 and 4, LARC control will default to MACH 3.

If the LR4 is already running when connected machines are powered on, the LR4 will recognize the first machine to complete its boot cycle.

At the beginning of either identification cycle, the LARC will display the message **SEARCHING FOR MAINFRAME** in the upper display, and the port currently being addressed in the lower display. One of the LR4 LEDs will light to indicate the MACH port under interrogation. Once the mainframe connected to that port is identified, the LARC will display the machine identity and address this mainframe as if directly connected.

To select another machine for LARC control, press and hold **MACH**, then immediately press **1, 2, 3** or **4** to select the device you want. If you do not press a numbered key, the LR4 will interrogate and identify the current port and return it to active status. (If you do not hold **MACH** down, it will perform its normal function as a machine A/B toggle for the active device.)

To select another machine, release the **MACH** button, then repeat the steps described above.



Specifications

- Dimensions** 19.0"W x 1.75"H x 4"D (483x45x102mm) 19" rack mount standard, 1U high
- Weight** Net weight: 2.75lbs (1.24kg)
Shipping weight: 3.75lbs (1.7kg)
- Power Requirements** 100/115VAC, -5/+10% or 230VAC, ±10%, 50-60 Hz, 10W (Factory set)
- Connectors** 3-pin IEC power connector
- Rear Panel Connectors** 5 female DE-9 connectors, RS-422 serial communication, 9600 Baud
- Front Panel Control** 5 LEDs, AC power switch
- Environment** Operating Temperature: 32° to 95°F (0° to 35° C)
Storage Temperature: -22° to 167°F (-30° to 75°C)
Humidity: 95% max without condensation

Specifications subject to change without notice.

Notice

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designated to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Relocate the equipment with respect to the receiver
- Move the equipment away from the receiver
- Plug the equipment into a different outlet so that the computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to identify and Resolve Radio/TV Interference Problems."

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Precautions

Save these instructions for later use.

Follow all instructions and warnings marked on the unit.

Always use with the correct line voltage. Refer to the manufacturer's operating instructions for power requirements. Be advised that different operating voltages may require the use of a different line cord and/or attachment plug.

Do not install the unit in an unventilated rack, or directly above heat producing equipment such as power amplifiers. Observe the maximum ambient operating temperature listed in the product specification.

Slots and openings on the case are provided for ventilation; to ensure reliable operation and prevent it from overheating, these openings must not be blocked or covered. Never push objects of any kind through any of the ventilation slots. Never spill a liquid of any kind on the unit.

This product is equipped with a 3-wire grounding type plug. This is a safety feature and should not be defeated.

Never attach audio power amplifier outputs directly to any of the unit's connectors.

To prevent shock or fire hazard, do not expose the unit to rain or moisture, or operate it where it will be exposed to water.

Do not attempt to operate the unit if it has been dropped, damaged, exposed to liquids, or if it exhibits a distinct change in performance indicating the need for service.

This unit should only be opened by qualified service personnel. Removing covers will expose you to hazardous voltages.



This triangle, which appears on your component, alerts you to the presence of uninsulated, dangerous voltage inside the enclosure... voltage that may be sufficient to constitute a risk of shock.



This triangle, which appears on your component, alerts you to important operating and maintenance instructions in this accompanying literature.

Lexicon Inc.
3 Oak Park
Bedford, MA 01730
Tel 781-280-0300
Fax 781-280-0490

Copyright ©1996 Lexicon, Inc.
All Rights Reserved.

Lexicon Part #070-11128