



Livio Argentina



LA-122 MONITOR CONTROLLER

The LA-122 is a fully analog monitor controller unit featuring a very high level of audio fidelity, suitable for recording studios that demand the maximum of audio performances.

The analog circuitry is based on very high passive and active electronic components performance in order to ensure maximum audio quality.

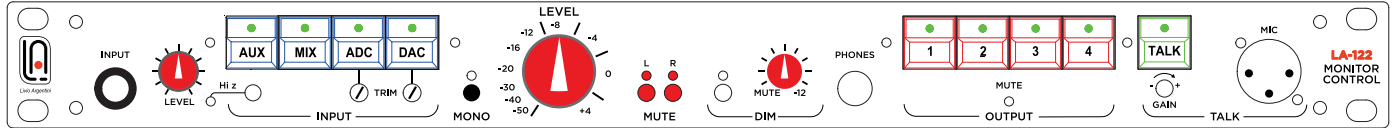
All commutations are carried out on balanced lines and are interlocked with very high quality relays that guarantee commutations free from any imperfection.

Every commutations are controlled by logic circuits.

The LA-122 Monitor Controller unit is characterized by the possibility of selecting 4 inputs: (INPUT: AUX, DAC and MIX) and switch them to 4 different speaker systems: (OUTPUT: 1, 2, 3, 4).

The selection of the source and the monitoring system is done by means of buttons tilting lights. Every commutations are controlled by the microprocessor.

MONITOR CONTROLLER FRONT PANEL



MONITOR CONTROLLER REAR PANEL



ENTRANCE SECTION

The inputs connections to the monitor controller are:

- **AUX** balanced with connector
- **XLR**, unbalanced input switching with level control and RCA socket on the rear panel plus JACK TRS on the front panel.

The AUX input also provides a balanced output on the rear panel. This function (independent of the monitoring function) allows you to connect an unbalanced analog source (CD etc) to a balanced input.



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- **MIX**; Balanced, rear DB 25 connector, to connect analog output (mixer) with standard level +4 dBu.
- **ADC**; Balanced, rear DB 25 connector, to connect analog output (mixer) to high level, normally used for digital converter. Trimmer for level control. standard +4 dBu.
- **DAC**; Balanced, rear DB 25 connector, to connect converter output normally at high level. Trimmer for level control. standard +4 dBu.

TALKBACK SECTION

The LA-122 monitor controller is equipped with a talkback system.

The Talk uses a electret condenser microphone.

There are two XLR inputs. The first place on the front panel is used with a microphone mounted on gooseneck when the talk system

vocino is installed at the workstation. The second, located on the rear panel,

it is used, via a standard XLR / XLR cable, to connect a remote microphone.

This solution is used when the LA-502 unit is positioned in non accessible (e.g. a Rack cabinet).

The talkback button activates the microphone amplifier and DIM control.

The talkback signal is sent to a balanced output on the rear panel (XLR connector - level + 4 dBu).

An additional jack on the rear panel makes relay switching available controlled by the talk button. This switch can be used for both control audio signals both to control lights, relays etc.

The level of the signal coming from the talk microphone can be controlled using the knob Talk Level located on the front panel.

OUTPUT SECTION

The switching of 4 loudspeaker systems is foreseen. All outputs are balanced and use a DB-25 connector on the rear panel. Switching is carried out with 4 pushbuttons with indicator light. It is guaranteed that the inputs of the 3 unused loudspeaker systems are always connected to ground in order to avoid any disturbance or crosstalk.



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REMOTE CONTROL

The remote control to be used when the LA-122 is installed in an inaccessible position duplicates all controls on the front panel. All the switches, controlled by a microprocessor, are accessible either on the front panel or on the remote control.

The remote control connection cable (RJ 45) does not carry audio signals, but only switching signals and therefore without the possibility of disturbances and has a length limit of over 20m.



HEADPHONE OUTPUT

The system is equipped with a high quality headphone amplifier capable of driving high power headphones with impedance > 30 ohms. Inserting the headphone jack mutes the speaker output but leaves the selection active. An indicator light placed under the three buttons that select the outputs warns that the outputs are disabled.

CONNECTION OF A METERING UNIT

It is possible to connect an external metering unit using an accessory (cable), supplied on request.



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CONNECTION OF A METERING UNIT

Compared to its market competitors, the LA-122 monitor controller is a unit of very high sound performance and very high quality switching systems.

The choice was to design a completely analog unit in order to obtain the maximum audio performance.

At the same time, this monitor controller is characterized by a series of solutions that make it extremely convenient:

- **AUX IN** Front analog input on the front panel with automatic deselection of the AUX IN input on the rear panel for "on the fly" connection of portable audio sources.
- **Talkback system** with automatic **DIM** and with relay for switching an external signal enslaved by the talkback command.

The **LA-122** monitor controller is available in a manual volume control version and a remote volume control version by using a motorized potentiometer without using VCA which would inevitably lead to a deterioration in the quality of the output signal.

It is possible to transform the non-motorized version into the motorized version with a low-cost "factory" intervention.

The unit is currently in production