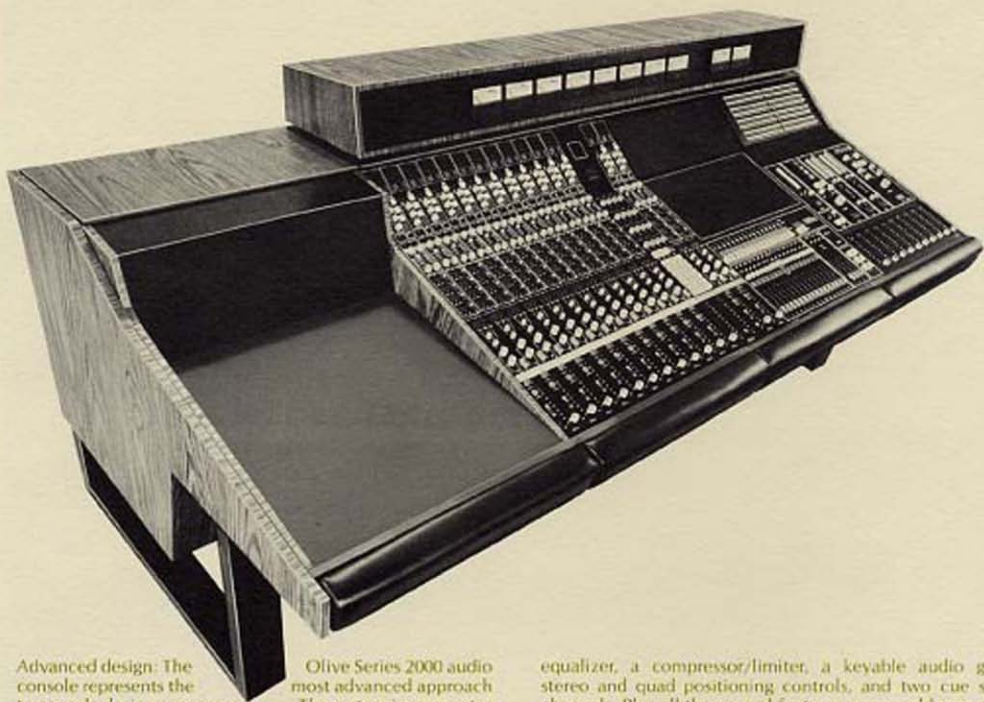


PRODUCT GUIDE

olive
olive
olive
olive
olive
olive
olive
olive
olive
olive
olive
olive

OLIVE ELECTRO DYNAMICS INC

Olive Series 2000 Console



Advanced design: The console represents the most advanced approach to console design ever seen.

The system incorporates features which you would normally expect to find only in high priced custom consoles, as well as some which you've never seen before.

Features like electronic FET switching for input and output assignments, light emitting diodes (LED) for displays, lever-actuated multi-position switches on the equalizers and a modular packaging approach to construction that provides the utmost in flexibility.

The console is totally modular from the smallest mini-function card to bare skeleton frame assemblies. Your console can be expanded to keep pace with developing needs simply by adding plug-in bus circuit boards and additional frame assemblies.

Or you can relocate existing modules within the basic housing assembly—it's just a matter of plugging in modules.

In a class by itself: On the Series 2000, every input channel contains the popular—and unique—Olive four-section

Olive Series 2000 audio most advanced approach

The system incorporates

equalizer, a compressor/limiter, a keyable audio gate, stereo and quad positioning controls, and two cue send channels. Plus all the normal features you would expect to find on an input module.

And the monitor system is the most functional we've ever seen. It has automatic input switching under command of both tape recorder and console modes, quad/stereo/mono mode switching and a multi-functional studio and headset cue system.

A novel approach to submasters using voltage control principles permits music grouping and a similar feature allows output bus grouping with master faders.

Some of the additional advantages found in the Series 2000 are the flexible echo processing module and the ability to retrofit automation at any time simply by adding the Olive Automated Remix Programmer.

The Series 2000 is available with from 12 inputs and 8 outputs to 32 (or more) inputs and 16 outputs. Prices range from \$50,000 to \$90,000. Write for additional information.

Series 2500

The Olive Series 2500 console is a compact version of the top-of-the-line model 2000. It utilizes several of the unique features of the Series 2000 but in a more compact and economical package.

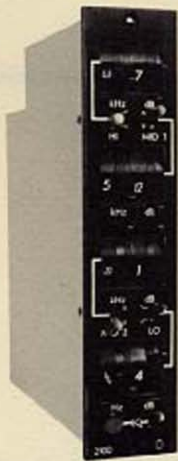
The peerless Olive four-section equalizer is provided in every input position and (optional) compressor/limiters and keyable audio gates may be added to the console and patched to inputs or outputs.

Inputs are grouped four to a module so that a 16 input console requires four input modules. And with the unique Olive packaging concept developed for the Series 2500, outputs can be arranged for stereo or quad mix down, eight or 16 track recording. This packaging concept also permits custom output structures and other features at very reasonable cost and the console can be supplied in permanent, portable or convertible (studio/portable) configurations.

The lightweight aluminum construction easily lends itself to remote console applications and, of course, all modules are plug-in for ease of service and the ability to expand as your requirements grow.

Available with FET output assignment switching and the same functional monitor-mixer provided in the Series 2000, it may also be automated with the simple addition of Olive's Automated Remix Programmer.

The Series 2500 is available with 4 to 32 (or more) inputs and 2 to 16 outputs. Prices range from \$10,000 to \$50,000.



Series 2100 Modular Components

Several of the modular components used in the Olive consoles are available separately for use with other equipment. Among the modules available are the popular four-section equalizer (pictured left), a compressor/limiter, a keyable audio gate, a combined keyable gate/compressor/limiter, and a power supply.

The compressor/limiter provides 40 dB or more of adjustable compression or limiting and three gain reduction ratios establish the mode of operation. Adjustable attack and release times permit operating parameters to be set according to program content and a DS switch places a reciprocal voice energy filter in the control loop.

The equalizer, with four separate and distinct sections allowing simultaneous equalization effects at four parts of the spectrum, is unique in the industry. Narrow or broad peak curves may be produced and it is possible to have over 30 dB boost or cut at certain frequencies.

All modules are 1 1/2" wide by 7" high and will fit most console mountings. Rack mounting enclosures are available from Olive to house up to ten modules and a power supply. Prices range from \$200 to \$700 per module and detailed information is available on request.

SPECIALTY PRODUCTS

In addition to consoles and console components Olive manufactures a number of specialty products for specific applications. Two of these are described on this page.

Spectrum Display



This unique instrument produces a real-time visual display of the frequency energy content of an audio signal. It uses light emitting diodes for display and a digital time-sharing technique.

Current models are available for full spectrum display or upper spectrum display only. The full spectrum display employs ten full octave-width bands to present a graphic picture while mixing, to compare tapes or to frequency balance or analyze room acoustics.

The upper spectrum display, showing frequency energy above 2 kHz in ten $\frac{1}{2}$ octave-width bands, is designed to analyze master tapes prior to high speed cassette and disc mastering. During this process a surplus of high frequency energy can cause distortion but, with the Spectrum Display, potential problems—where they are and their magnitude—can be isolated before production is attempted.

Priced at \$1500. Further information available on request.

Automated Remix Programmer



This is an interesting and effective digital device designed to permit any Olive console—or any other DC programmable console—to be automated. The programmer accepts DC control signals from the console, encodes

them into a format suitable for recording on any audio tape recorder and—when required—decodes the tape signal back into DC control voltages. The use of the programmer can free the producer from some of the more mundane physical aspects of the mix down process, permitting greater creative freedom and measurably reducing the studio time required to produce a master tape.

Available with from 16 to 64 channel capacity, this system is priced from \$10,000 to \$15,000.

The Olive Style

Olive components and consoles reflect a pride of workmanship and engineering that encompasses the product from conception, through production, to prompt delivery and efficient after-sales service.

Imaginative people designing imaginative equipment to meet your varied needs. If you have a specific problem or area of interest, be it custom or production, contact an Olive representative. He'll be happy to discuss it with you.

olive 

WHENEVER THERE IS A NEED

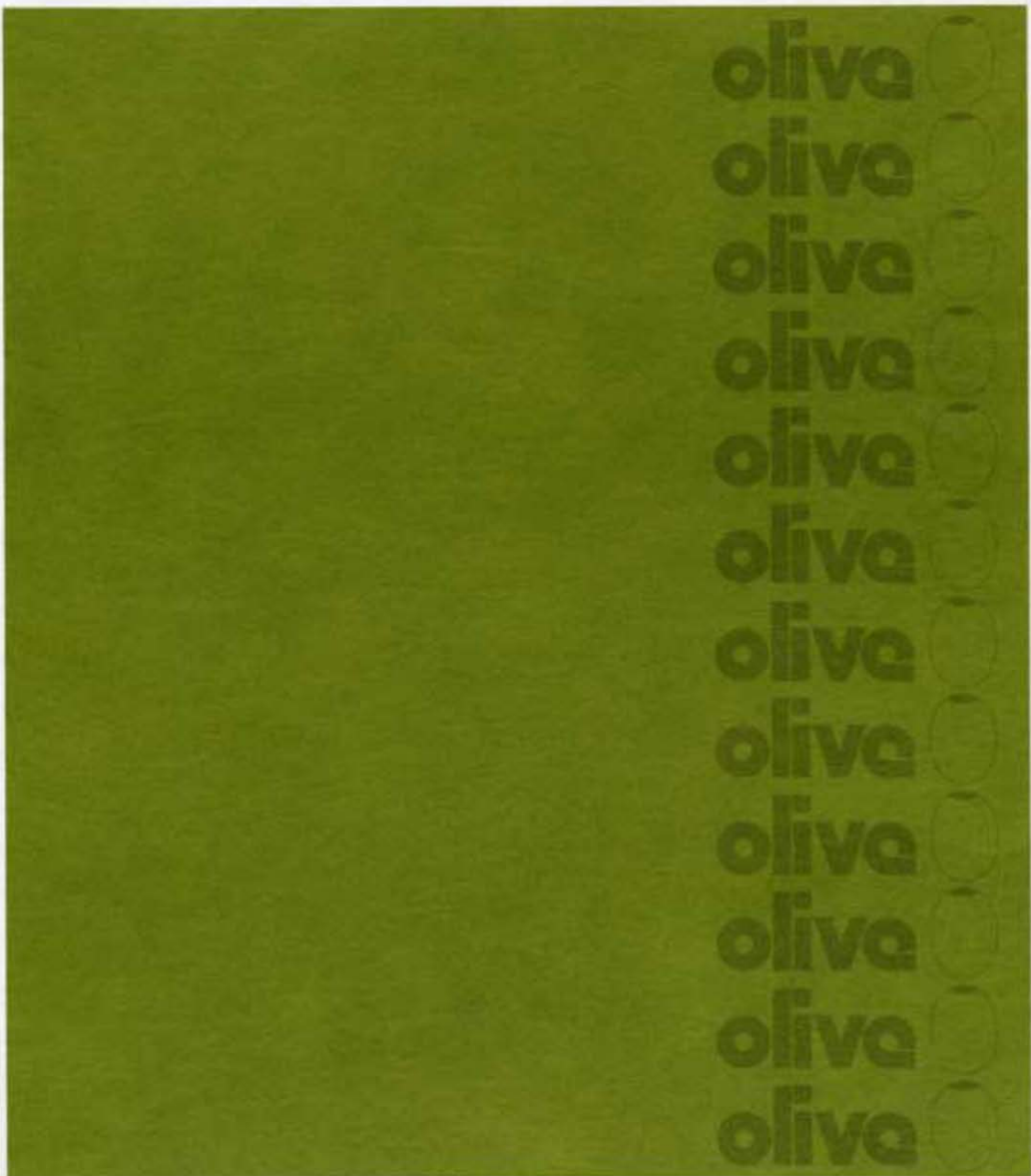
Olive Electro Dynamics Inc
2670 Paulus
Montréal 386, Québec
Canada
(514) 332-0331
Cable Olive!, Montréal

Westlake Audio Inc
6311 Wilshire Blvd
Los Angeles, California
90048
(213) 655-0303

Harvey Radio Company
444 Madison Avenue
New York, N.Y.
10022
(212) 582-1500

Studio-Technique
4 avenue Claude
Velleaux
Paris (10e) France
206-15-60/208-40-99

PRODUCT GUIDE



OLIVE ELECTRO DYNAMICS INC

Olive Series 2000 Console



Advanced design: The Olive Series 2000 audio console represents the most advanced approach to console design. The system incorporates state of the art features and a quality and reliability unmatched before.

Features such as electronic FET switching for input and output assignments; Light emitting diodes (LED) for displays; Lever-actuated multi-position switches on the equalizers and a modular packaging approach to construction that provides the utmost in flexibility.

The console is totally modular from the smallest mini-function card to frame assemblies. Your console can be expanded to keep pace with developing needs simply by adding plug-in bus circuit boards and additional frame assemblies.

In a class by itself: On the Series 2000, every input channel contains the popular — and unique — Olive four-section equalizer, a compressor/limiter/expander, a keyable audio gate, stereo and quad positioning controls, and two cue send channels. Plus all the normal features you would expect to find on an input module.

And the monitor system is the most functional we've ever seen. It has automatic input switching under command of both tape recorder and console modes, quad/stereo/mono mode switching and a multi-functional studio and headset cue system. Sub grouping faders and automated mix down facilities are also included.

The Series 2000 contains from 12 inputs and 8 outputs to 32 (or more) inputs and 16 outputs. Prices range from \$50,000 to \$90,000.

Write for additional information.

Olive Series 2500 Console

The Olive Series 2500 console is a compact version of the top-of-the-line model 2000. It utilizes several of the unique features of the Series 2000 in a more compact and economical package.

The Olive four-section equalizer is provided in every input position and (optional) compressor/limiter/expanders and keyable audio gates may be added to the console and patched to inputs or outputs.

The lightweight aluminum construction easily lends itself to remote console applications and, of course, all modules are plug-in for ease of service and the ability to expand as your requirements grow.

Available with FET output assignment switching and the same functional monitor-mixer provided in the Series 2000, it may also be automated with the simple addition of Olive's Automated Remix Programmer.

The Series 2500 is available with 4 to 32 (or more) inputs and 2 to 16 outputs. Prices range from \$10,000 to \$50,000.





Series 2300

A group of self-powered rack mounted devices to complement existing systems. Included in this group is a compressor/limiter/expander (pictured at left) and a versatile equalizer/filter. With balanced/unbalanced inputs and outputs they are easy to install in any signal path.

Priced from \$500 to \$1,200.



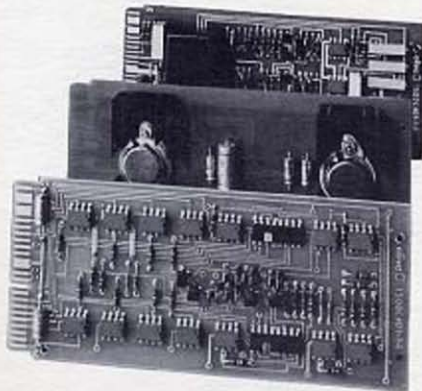
Series 2100 Modular Components

Several of the modular components used in the Olive consoles are available separately for use with other equipment. Among these are the popular four-section equalizer (pictured left), a compressor/limiter/expander, a keyable audio gate, a combined keyable gate/compressor/limiter, and a power supply.

The equalizer, with four separate and distinct sections allowing simultaneous equalization effects at four parts of the spectrum, is unique in the industry. Narrow or broad peak curves may be produced and it is possible to have over 30 dB boost or cut at certain frequencies.

The compressor/limiter/expander provides 40 dB or more of adjustable compression or limiting. Three gain reduction ratios establish the mode of operation. A key feature of this device is a true RMS detector and a program dependent release circuit. Adjustable attack and release times permit operating parameters to be set according to program content and a DS switch places a reciprocal voice energy filter in the control loop.

All modules are 1 1/2" wide by 7" high and will fit most console mountings. Rack mounting enclosures are available from Olive to house up to ten modules and a power supply. Prices range from \$200 to \$700 per module and detailed information is available on request.



Series 1500

A series of function cards and support hardware for use in audio systems of any size. Among the functions available are a line/summing amplifier, a microphone preamp, a voltage controlled amplifier, a 4 x 1 solid state switch, a compressor control card and various power regulators. Support hardware involves rack mounted card trays and power transformers.

The cards utilize circuit techniques employed in other Olive products and exhibit the highest audio performance. Further information and application notes are available on request.

SPECIALTY PRODUCTS

In addition to consoles and console components Olive manufactures a number of specialty products for specific applications. Three of these are:

Digital Timer



An elapsed time indicator with several unique features. A novel display technique mixes the best of conventional timers and digital devices. The time is displayed both digitally and on an electronic "sweep hand". A series of 60 light emitting diodes arranged in a circle around the six digit readout sequentially step in a similar manner to the movement of a normal mechanical timer to provide the physiological effect of a countdown.

Time is displayed in hours, minutes, seconds and tenths of seconds in digital format. The sequential display completes a revolution in one second or one minute at the selection of a switch. The continuously advancing display may be frozen to facilitate reading while the actual time counter continues. On resumption of normal display, the readout jumps to its proper count.

The timer may count up or down from zero or any particular count. Six lever-actuated switches permit particular times to be loaded. In addition, individual switches permit each

digit to be manually advanced or retarded one digit at a time.

The timer may be programmed to initiate an external event at a particular time.

The device uses state of the art MSI and LSI logic and is completely self-contained. All controls are located on the front panel with remote control provision for most operations.

The timer is available with time reference from either AC line, an external input or optional high stability crystal oscillator.

Priced at \$1,200.

Spectrum Display



This unique instrument produces a real-time visual display of the frequency energy content of an audio signal. It uses light emitting diodes for display and a digital time-sharing technique.

Current models are available for full spectrum display or upper spectrum display only. The full spectrum display employs ten full octave-width bands to present a graphic picture while mixing to compare tapes or to frequency balance or analyze room acoustics.

The upper spectrum display, showing frequency energy above 2 kHz in

ten 1/3 octave-width bands, is designed to analyze master tapes prior to high speed cassette and disc mastering. During this process a surplus of high frequency energy can cause distortion but, with the Spectrum Display, potential problems — where they are and their magnitude — can be isolated before production is attempted.

Priced at \$1,500. Further information available on request.

Automated Remix Programmer



This is an interesting and effective digital device designed to permit any Olive console — or any other DC programmable console — to be automated. The programmer accepts DC control signals from the console, encodes them into a format suitable for recording on any audio tape recorder and — when required — decodes the tape signal back into DC control voltages.

The use of the programmer can free the producer from some of the more mundane physical aspects of the mix down process, permitting greater creative freedom and measurably reducing the studio time required to produce a master tape.

Available with from 16 to 64 channel capacity, this system is priced from \$10,000 to \$15,000.

olive



Olive Electro Dynamics Inc
2670 Paulus
Montréal 386, Québec
Canada
(514) 332-0331
Cable Olive!, Montréal

Westlake Audio Inc
6311 Wilshire Blvd
Los Angeles, California
90048
(213) 655-0303

Studio-Technique
4 avenue Claude Vellefaux
Paris (10e) France
206-15-60/208-40-99