



Orion X

The **Orion X**, with its' automated LCRS modules, is the latest addition to D&R's popular Orion series and excels equally in both recording and post production environments. Like all D&R consoles, the **Orion X** is handcrafted in The Netherlands and utilizes "State of the Art" technology, featuring a design that will take it through the nineties and well into the 21st century.

- True Left Center Right (LCR) panning
- Eight discrete aux sends with unique routing options
- 16 busses and D&R's acclaimed "Floating Subgroup System"
- Four band fully sweepable EQ (with 2 additional bands in the monitors)
- Available with D&R's intuitive, fully comprehensive automation system - PowerVCA
- PowerDynamics (limiters, compressors, & gates).

D&R
mixing consoles

OrionX LCRS MODULE

Let's start with a feature D&R is well known for. **Transparency.** The X's separate "Hi-Def" mic and line amps embody over 25 years of listening and research at D&R and literally define the word transparent. The mic/line switch switches between D&R's ultra linear balanced mic pre and separate balanced line input. The mic pre can power microphones via its individually switched 48v phantom power switch and the padless design can accept input signals up to +16dB. The line input has an active +/-20dB of gain control.

"HIGH DEFINITION" EQ

D&R is proud to introduce its fifth generation "Extended High Definition" equalizer which is fully sweepable from 10Hz to 22kHz with generously overlapping frequencies on all bands and +/-16dB of boost and cut.

The **HF** shelving EQ sweeps from 4kHz to 22kHz and its extreme upper range will soft sweeten outer band harmonics, yielding a subtle yet effective "sheen" to program material with extended harmonic structure.

The two sweepable mid bands are peak/dip type EQ's, and are extended in their upper and lower ranges as well. The **HMF** ranges from 600Hz to 15kHz and the **LMF** ranges from 40Hz to 1kHz.

Described to us by recording engineers as "sweet", "punchy", and "transparent", these mid-bands are the real workhorse of the "Ext-Hi-Def" D&R EQ and yield powerful control over your program material. (In addition, both mid-bands may be inserted into the monitor path providing an identical 4 band EQ in the monitor section of the console.)

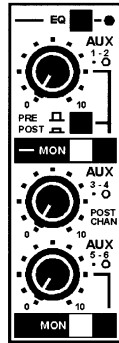
Meeting the requirements of modern music and mixing, the **LF** shelving EQ has an extended sub harmonic sweepable range from **10Hz to 500Hz** to address everything from ultra low bass material to lower mid frequencies.

A 12dB per octave passive phase coherent **high pass filter** and in/out switch round out a stellar EQ that must be experienced to be truly appreciated.

THE AUX SECTION

The OrionX delivers an Aux send section with a flexible, forward thinking design that is exactly what engineers need for today's complex mixing and tracking sessions.

With **8 discrete aux sends** and access to an additional 16 via the "to subs" switch on Aux 5/6, you can have up to 24 Aux sends for complex mixes. Aux 1/2 can be fed from either the channel or monitor path and are switchable pre/post. Aux 3/4 are fed post fader from the channel path. Aux 5/6 are fed post fader from either the channel or monitor path and can feed the groups as well. Aux 7/8 are in the monitor path and are stereo aux sends with pan and level control. They are pre/post switchable and can also be fed signal from the channel path allowing 8 discrete sends from the mix path.



THE MONITOR SECTION

The monitor section is equipped with a 60mm fader, panpot, automated mute, and a solo that is switchable between SIP (solo in place) or PLF (pre fader listen) modes.

The monitor path features ultra transparent **HF** and **LF** sweepable EQ's that are identical to the channel EQ. As stated before, the mid-bands from the channel EQ may be switched into the monitor path, revealing a four band fully sweepable EQ in the monitor section with i/o switching!

All monitor paths can be individually assigned to the L/R and/or 16 group busses to allow maximum flexibility during tracking sessions.

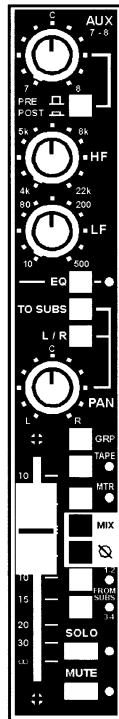
The **GRP** (group) switch transforms the monitor fader into a group output fader if a "subgroup master fader" is desired.

The **TAPE** switch selects monitoring between either group output or Tape return. The LED bargraph meter normally follows the position of the tape switch, but it can be switched to follow the input signal (mic/line post insert) by pressing the **MTR** switch.

The **MIX** switch reverses the signal paths by placing mic/line in the upper (monitor) section and tape input in the lower (channel) section of the module - effectively switching the module from "tracking" to "mixdown" modes.

A **Phase Reverse** switch is provided to reverse the phase of either mic or line inputs.

The OrionX LCRS module is also fitted with D&R's much heralded **FSS** (Floating Subgroup System) allowing maximum flexibility in any situation and as many group outputs as there are input modules.



MORE CHANNEL SECTION

A 100mm fader is fitted into the channel signal path and can be operated as a high quality linear fader or as an automated VCA controlled fader. A SIP/PFL (switchable) solo switch and automated mute are also provided.

Rounding out the module is D&R's **LCR** panpot. Well equipped to meet the ever increasing needs of surround sound mixing with a discrete center channel, the panpot is switchable between traditional L/R panning and L/C/R panning via the LCR switch. This panpot allows film style panning to a discrete center channel for **Surround** and **5.1** mixes.

In addition to the numerous "hardware" functions described above, D&R engineers have thoughtfully added a generous supply of LEDs to assist the console operator in visually monitoring the console's full featured topology.

AUTOMATION

The OrionX LCRS module takes D&R's philosophy of "automation ready" consoles one step further with the inclusion of the latest VCA technology available - onboard the module - making it a simple and cost effective process to equip the console with **PowerVCA**, D&R's intuitive automation system.

PowerVCA automation controls the 100mm fader as well as the channel and monitor mutes. Having control of the monitor mutes allows automation of aux sends and group outputs in addition to the channel paths traditional fader and mute automation.

Depressing the convenient **ISO** (isolate) switch next to the 100mm fader takes the internal VCA out of the signal path for tracking sessions or "audio purists".

PowerVCA has several modes for user customizing the automation process. Read, Write, AutoTakeover (update), Trim, and Iso modes are all available in different combinations to allow you to work the way you prefer to - efficiently and smoothly! In addition, the automation is equipped with an off-line editor.

The X's LCRS module can also be fitted with D&R's **PowerDynamics** package featuring gates, limiters, compressors, etc. This option includes both hardware and software.

For more detailed information on this extraordinary console, please contact any of D&R's sales offices.

