Totally Integrated Digital Audio Production

Prodigy



fairlight™
DIGITAL AUDIO SOLUTIONS

The Integrated Digital Audio Solution

Introducing Prodigy, the world's fastest totally integrated digital audio production system that will bring out the genius in you. Prodigy seamlessly combines a 24-track digital multitrack recorder, editing workstation, and a fully automated digital mixer in a compact yet powerful package. Ahead of its time in every respect, Prodigy is the perfect choice for demanding recording, editing and mixing applications in film and television post production, music recording and production, advertising production, and broadcast audio production.

With Prodigy you will be working faster and more productively than you ever thought possible. Prodigy puts the power of a complete studio at your fingertips, with all its resources ergonomically located for fast and easy access. The integration doesn't end at the control surface—Prodigy's DSP/mixer engine is incorporated within the recorder/editor architecture, providing the highest degree of signal processing and control flexibility possible, simply unattainable with discrete mixer and editor components.

Total Quality

Prodigy delivers breathtaking audio quality thanks to a completely new hardware design. Analog inputs and outputs operate at 24-bit resolution while all mixing and processing operations, including dynamics and equalization, are performed with 40-bit floating point DSP technology assuring virtually unlimited internal dynamic range.

Total Flexibility

Prodigy's powerful resources can be freely allocated to suit the project. You can balance system resources as needed for a project between the number of buses and auxiliary sends, the number of external inputs to the mix and disk tracks, and the use of main and sub buses.

Unlike an analog console, Prodigy does not require a control for every function on every channel. Control of all Prodigy mixing, routing and signal processing parameters is elegantly centralized and freely assignable, and every aspect of a system setup can be named and saved for instant recall at any time.

Prodigy supports 16, 20 and 24 bit audio formats, all of which can be seamlessly mixed within any project allowing you to balance audio resolution against file size.

Total Control

Prodigy gives you total control of your work environment. The setting of every fader, switch and pot can be saved and recalled at any time with Prodigy's snapshot automation. Furthermore, all faders, mutes, pans, channel EQ and auxiliary sends can be dynamically automated in real time. Even surround sound joystick panning can be automated.

Controlling outboard effects with Prodigy is a breeze. A comprehensive library of interfaces to popular MIDI controlled outboard effects units lets you control them directly from Prodigy using a graphic simulation of the device's front panel. Device settings may be stored in either of Prodigy's two libraries, as well as with the project data, and may be automated against time code.

Prodigy Mixing Console

The Prodigy control surface comprises of the fader sections, the Central Assignment Panel for EQ, Dynamics and Auxiliaries, the Prodigy Edit Controller, the Joystick section and a Master section which houses dedicated hardware switches for fader assignments, oscillator, talkback and control room monitoring. Prodigy's control computer is integrated within the console and includes a surface-mounted floppy disk drive for future software upgrades.

Prodigy's dynamic architecture permits you to freely assign resources on a task-by-task basis—36 processing channels between recorder tracks and live inputs, 12 buses between mix outputs, auxiliaries or cues, and 16 touch-sensitive motorized faders to signal paths as desired. Resource allocation, channel and mixer configurations, signal patching and routing and more are all viewed via the Prodigy Mix display (monitor not included) and selected using the trackball and select keys on the control surface.

A separate monitoring sub-system provides totally integrated, digitally-controlled analog monitoring. The full spectrum of 5.1 surround sound monitoring can be realized without impacting Prodigy's DSP mixing resources.

A single 8U rack-mounting mainframe contains all hardware for multitrack recording, editing, mixing and signal processing.

The Prodigy Recorder/Editor

Fairlight's acclaimed MFX3^{plus}, the industry standard in film and television post production, serves as the heart of Prodigy. Providing 24-track recording and editing functions, the recorder/editor is fully equipped to include multitrack editing, parametric equalization, Timefx™ time dilation, AudioBase clip database and the smoothest 9-pin machine control in the industry. The award-winning MediaLink fast networking solution and Fairlight's Connectivity package for direct file exchange with most popular digital audio workstations are optionally available for Prodigy.

All recording and editing functions are performed on the integrated Prodigy Edit Controller. The Prodigy Edit screen displays recording and editing functions and features high resolution scrolling audio waveforms (monitor not included).

Prodigy recordings are compatible with, and may be moved freely between, Fairlight MFX3^{plus} and FAME systems (Revision 15.5 and upwards) and DaD digital audio dubbers. Prodigy mixes are 100% compatible with Fairlight's FAME—projects and their mix data may be moved freely from Prodigy to FAME and back again.

Monitoring

Prodigy features a 6-way surround monitoring system for multichannel surround mixing, and a stereo studio monitor system with its own level control and mute. The main monitor system provides Dolby Encode/Decode Insertion points, as well as a dedicated LT/RT monitoring point and individual speaker mutes with level trim controls. An external Source input (up to 6 wide) is also provided. The monitoring system offers switchable metering points, which enable meter access to the monitor path either Pre-Dolby Insert, Post Dolby Insert, Post Mono or Post Monitor Gain.

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