

# Electronics For Guitarists

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In the second edition of Electronics for Guitarists author Denton Dailey teaches the basic theory of operation and design principles of analog guitar signal processing circuits and amplifiers. The design and operation of common effects circuits such as tone controls, preamps, phasers, flangers, envelope followers, distortion and overdrives are covered, as are both solid-state amplifiers and power supplies. Written primarily for the guitarist, this book balances coverage of theoretical analysis and design while providing many examples of practical experimental circuits. The main thrust of the material is analog circuitry, focusing on fundamental principles of transistors, integrated circuit and vacuum tube-based amplifier operation and theory, and operation of typical guitar signal processing effects circuits. Updated to the new edition include: - New coverage of tone control circuits, MOSFETS and their applications as small-signal amplifiers, rail splitters and charge pumps, amplifiers using germanium transistors, and tube power amp design - Expanded coverage of numerous subjects such as vacuum tube power supplies, the digital oscilloscope, Darlington and Sziklai transistors, and signal spectra and transfer function symmetry - Additional examples of various circuits such as overdrive, distortion, chorus, delay, tremolo and auto-wah circuits as well as amplifier design Electronics for Guitarists is ideal for the musician or engineer interested in analog signal processing. The material is also useful to general electronics hobbyists, technologists and engineers with an interest in guitar and music-related electronics applications.

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