



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE RP 228D. You'll find the answers to all your questions on the RANE RP 228D in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual RANE RP 228D
User guide RANE RP 228D
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RPE 228 d Two Channel 1/3 -Octave Programmable Digital Equalizer

- High Security Remote Control** This equalizer is programmed by computer (PC compatible) via the RS-232 serial port. The computer may be removed after programming, or left connected to recall memories exclusively. As many as 16 units at a time may be daisy-chained. A recessed Default button on the rear panel recalls Memory 1 in case of computer failure.
- Interpolating Constant-Q Filters** Each channel has 28 bands of 1/3-octave interpolating constant-Q filters for predictability and minimal interaction between bands. The boost/cut range is +10 dB in 0.5 dB steps. The digital filters are designed to match the previously available analog RPE 228.
- Low and Hi Cut Bandlimiting Filters** Additional low and high cut filters have a wide adjustment range (Low Cut to 200 Hz and High Cut to 1 kHz).
- 16 Non-Volatile Memories** No batteries are needed (EEPROM memory). The stored Memories may be recalled by remote switch/contact closures (Memory Recall Port). The translation between the 8 closures and 16 Memories is programmable. Current settings are also non-volatile.
- Separate Input & Output Level Controls** +12 dB range on input and output in 1 dB steps, with settings stored in each Memory.
- Balanced Inputs & Cross-Coupled Outputs** Euroblock terminals are used for audio (and remote switch recall) connections. Shield ground connections are to the chassis.
- RaneWare® Windows® Software** Rane's Windows 95(SE)/98-compatible software, called **RaneWare**, is included at no extra cost, allowing the units to be controlled in real time. RaneWare is downloadable free from Rane's website, <http://www.rane.com>. The software's easy-to-use graphical interface features graphic sliders, the computed true EQ response curve, control of all parameters, and extensive on-line help. Memories may be recalled, copied, and stored. A Site Control window is provided with password protection so that all units can recall stored memories without further access. *Local Edit* mode allows curves to be viewed and edited without affecting a unit. These curves can then be sent to a unit or saved in a file. The software is operational even without an RPE 228d connected. The Rane RPD 1 may be used to control the RPE 228d from a remote location using a modem. The RPE 228d uses the same RW 232 commands as the RPE 228.
- Firmware Updates via RW 232** The unit's firmware may be replaced with new versions, uploaded from a computer through the serial port.

UL/CSA/CE and 100/120/230 VAC Remote Power Supplies

Windows is a registered trademark of Microsoft Corporation
RaneWare is a registered trademark of Rane Corporation



Data Sheet-1



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Manual abstract:

@@Each channel has 28 bands of 1/3-octave interpolating constant-Q filters for predictability and minimal interaction between bands. The boost/cut range is ± 10 dB in 0.5 dB steps. The digital filters are designed to match the previously available analog RPE 228. Additional low and high cut filters have a wide adjustment range (Low Cut to 200 Hz and High Cut to 1 kHz). No batteries are needed (EEPROM memory). The stored Memories may be recalled by remote switch contact closures (Memory Recall Port). The translation between the 8 closures and 16 Memories is programmable. Current settings are also non-volatile. ± 12 dB range on input and output in 1 dB steps, with settings stored in each Memory.

Euroblock terminals are used for audio (and remote switch recall) connections. Shield ground connections are to the chassis. Rane's Windows 95(SE)/98-compatible software, called RaneWare, is included at no extra cost, allowing the units to be controlled in real time. RaneWare is downloadable free from Rane's website, <http://www.rane.com>.

@@Memories may be recalled, copied, and stored. @@@@These curves can then be sent to a unit or saved in a file. The software is operational even without an RPE 228d connected. @@The RPE 228d uses the same RW 232 commands as the RPE 228.

@@E88261 File no. @@No computer is required after initial setup. @@@@Either momentary or latching switches may be used. Use of a latching switch results in a Memory recall upon power-up. The latching switch should only close one contact at a time. @@@@Each channel shall have adjustable low-cut and high-cut filters. @@@@Individual bypass relays shall be provided for each channel. The inputs and outputs shall be active balanced designs, with the outputs cross-coupled. A Euroblock shall be used for the audio I/O for each channel with chassis ground. The input impedance shall be 25k ohms, while the output impedance shall be 200 ohms, balanced.

Both shall be capable of processing audio signal levels of a maximum of +20 dBu. RFI input filters shall be provided. The frequency response of the unit shall be no more than 1dB down at 10 Hz and 22 kHz respectively. Control of the unit shall be via RW 232. A device address switch, and RS-232 input and output jacks shall be provided. Front panel LED's shall indicate communication status, bypass status, signal presence, and overload for each channel. The unit shall have certified compliance with FCC docket 20780 Part 15J for Class B computing devices, and EMCD 89/336/EEC. @@The 100 VAC model shall be built to JIS for Japan. The chassis shall be constructed entirely from cold-rolled steel. @@@@DOC 103057 PN 10199 2-99.



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