



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE RA 27. You'll find the answers to all your questions on the RANE RA 27 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual RANE RA 27
User guide RANE RA 27
Operating instructions RANE RA 27
Instructions for use RANE RA 27
Instruction manual RANE RA 27

RANE OPERATORS MANUAL RA 27 REALTIME ANALYZER



QUICK START

If you are familiar with real time analyzers, feel free to jump right in. To avoid some of the lurking sharks read these few tips as a reminder of what it is you already know:

FLAT IS NOT BEAUTIFUL. Equalizers have two basic purposes: correction and enhancement. The Rane analyzer allows you to accurately correct system response to each location. A task very difficult to do by ear. Once this is quickly done, then you adjust for further sound quality enhancement by ear, only rarely will a system be left in a "flat" condition.

USE MORE THAN ONE TEST MICROPHONE LOCATION. Speaker dispersion characteristics vary greatly, from beamy highs to boomy bass traps. While performing the pink noise test, try at least two different test mic locations and average the two if they differ.

USE ENOUGH PINK NOISE VOLUME TO OVERRIDE BACKGROUND NOISE. There's no need to run deafening pink noise levels to EQ a system. Just be sure that no green/red LED responds when pink noise is turned off (if they do, background noise is causing erroneous readings and pink noise should be turned up higher).

USE +3 dB DISPLAY SETTING FOR LOW FREQUENCY ADJUSTMENTS. The crest factor (peak response) of true pink noise causes considerable LED flutter in the +1 dB mode, making it difficult to adjust quickly. We recommend that the +3 dB setting be used on frequencies below 500 Hz or so; use the +1 dB on the more sensitive mids and highs.

MONITORING PROGRAM WITH ANALYZER DISPLAY. When the front panel microphone is unplugged, the analyzer display automatically monitors the RA 27 LINE INPUT signal. Use this feature to identify specific feedback points by watching for red LEDs during the performance. You can then apply EQ exactly where it's needed very quickly. If all else fails, read the rest of the manual.

WEAR PARTS: This product contains no wear parts.

Manual-1



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STAGE MONITOR EQUALIZATION IMPORTANT NOTES: 1. Analyzing and equalizing the monitors provides the most expedient method to optimize stage monitor sound quality and reduce feedback problems. The stage mic is connected to the same mixer as the RA 27. Feedback induced by specific stage mic/monitor speaker coupling can also be attenuated by leaving the stage mic turned up and running up the pink noise level through the monitor speaker until feedback occurs. Attenuate each feedback frequency, as indicated by the analyzer display, until the mic/monitor combination feeds back at two or more frequencies simulta.



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