dbx DriveRack PA2 Complete Loudspeaker Management System

AUTOEQ™

New, improved AutoEQ algorithm ensures an extremely accurate, fast, and non-intrusive automatic EQ experience.

With the RTA Mic “listening” to your room, the new, updated DriveRack PA2 AutoEQ algorithm sets speaker levels and room EQ automatically in a matter of seconds. This means room adjustments can now be made very quickly, without subjecting the audience to annoying, lengthy broadcasts of pink noise.

ENHANCED AFS™ FEEDBACK ELIMINATION

Enhanced AFS™ algorithm for faster, more precise feedback elimination, without adversely affecting your system’s tone.

Nothing turns audiences away like annoying and potentially painful audio feedback. Fortunately, dbx engineers have revisited their already-stellar Advanced Feedback Suppression algorithm and made it work even better. The DriveRack PA2 listens for and anticipates feedback and adjusts speaker output automatically before it even has a chance, while never altering your sound.

UPDATED WIZARD SETUP FUNCTIONS

Updated Wizards make initial set up easy, while ensuring speaker tunings and other settings are up-to-date.

Wizard functions on the DriveRack PA2 guide you through easy, step-by-step processes to help you get the most from your loudspeaker system. Helps you easily configure level balancing, AutoEQ, Advanced Feedback Suppression, and provides access to built-in and constantly updating speaker tunings from most major speaker manufacturers.

AVAILABLE INPUT PROCESSING
dbx Compression
AFS™ (Advanced Feedback Suppression)
Graphic EQ
8-Band Parametric EQ (adjusted when using the AutoEQ)
Subharmonic Synthesis

AVAILABLE OUTPUT PROCESSING
Crossover (supports full range, 2-way, and 3-way systems)
8-Band Parametric EQs (used for speaker tunings)
dbx Limiting

Driver Alignment Delays

Features
All New Setup Wizard
Streamlined AutoEQ™
All New AFS™ (Advanced Feedback Suppression)
Mobile Control (Android®, iOS®, Mac®, Windows®)
dbx Compression
Graphic EQ
8-Band Parametric EQ (adjusted when using the AutoEQ) Input
Subharmonic Synthesis
Crossover (supports full range, 2-way, and 3-way systems)
8-Band Parametric EQs (used for speaker tunings) Output
dbx Limiting
Driver Alignment Delays

TESTED WIRELESS ROUTERS:
Dlink 636L
Dlink Cloud router 2000
Cisco / linksys: WRT54G2V1
Netgear WGR614 v7
Netgear WNR 1000
(Other routers are likely compatible. This list represents those which have been tested thus far.)

Specifications
Input: (2) line inputs. (1) RTA Mic input
Input Connectors: (2) Female XLR line inputs. (1) Female XLR RTA Mic input
Input Type: Electronically balanced/RF filtered
Input Impedance: >50 kohm
A/D Converter: dbx Type IV™ Conversion System
CMRR: > 45dB
Mic Preamp Phantom Power: +15VDC (RTA)
Mic Preamp Equivalent Input Noise (EIN): < -117dB, 22Hz-22kHz, 150 ohm (RTA)
Output: (6) Line Outputs Output Connectors: Male XLR Output Type: Electronically balanced, RF filtered Output Impedance: 120 Ω Max Output: +20dBu A/D Dynamic Range: 112 dB A-weighted, 110 dB unweighted Type IV Dynamic Range: 123 dB with transient material, A-weighted, 22kHz BW; 121 dB with transient material, unweighted, 22kHz BW; 115 dB typical with program material, A-weighted, 22kHz BW Input Delay Length: 100ms Alignment Delay: 10ms per channel (60ms total) Sample Rate: 48kHz Dynamic Range: >110 dB A-weighted, >107dB unweighted
THD+Noise: 0.003% typical at +4dBu, 1kHz, 0dB input gain
Frequency Response: 20Hz – 20kHz, +/- 0.5dB
Interchannel Crosstalk: < -110 dB, -120dB typical (input-to-output: < -100 dB)
Operating Voltage: 100-120VAC 50/60 Hz – EU: 220-240 VAC 50/60 Hz
Power Consumption: 22 W
Unit Weight: 5.25 lbs. (2.4 kg)
Shipping Weight: 6.75 lbs. (3.1 kg)
Dimensions: 1.75” (H) x 5.75” (D) x 19” (W), 4.4cm (H) x 14.6cm (D) x 48.26cm

(W)
D/A Dynamic Range: 112 dB A-weighted, 110dB unweighted

DriveRack PA2 Manual