

**Date:** 7/16/03      **Project #:** 512  
**Product:** dbx PA,-EU, -B  
**Assy. Name:** IC AM29LV040B  
**Assy. Number:** 72-5539-03V1  
**Revision:** 00      **To:** 01

**Project Engineer:** Robert Boatright      **ECN #** 2611  
**Reason For Change:** Misc S/W bugs and AFS algorithm enhancement.

## Instructions:

Update system flash software from 72-5539-03V1.00 to 72-5539-03V1.01.

**** Delete ****		Quantity	
Item Description	Item #	From	To

**** Add ****		Quantity	
Item Description	Item #	From	To

Reason for Change	Reason:	Effectivity / Priority	Priority:	Signatures	Date
Continuous Improvement	◆ CI	After Depletion of Current	<input type="checkbox"/> ADC	Engineering Manager	7-16-03
Cost Reduction	<input type="checkbox"/> CR	Next Job Release	◆ NJR	Materials	7-21-03
Component Substitution	<input type="checkbox"/> CS	(2 <sup>nd</sup> or 4 <sup>th</sup> Friday of Month)		Set Effectivity Below	7-21-03
Marketing Change	<input type="checkbox"/> MC	Rework Parts		Manufacturing Engineering	7-17-03
Manufacturing Release	<input type="checkbox"/> MR	On Order	<input type="checkbox"/> ROO	Project Engineer	7-17-03
Omission or Error	<input type="checkbox"/> OE	In Stock	<input type="checkbox"/> RIS	All Documents approved	7-21-03
Product Enhancement	◆ PE	In Process	<input type="checkbox"/> RIP	Effectivity	7-21-03
Regulatory Requirement	<input type="checkbox"/> RR	In Finished Goods	<input type="checkbox"/> RIF	ECN Distribution	
Software Update	◆ SU	Other: Explain	<input type="checkbox"/> OTH		
Specification Change	<input type="checkbox"/> SC				
Other:	<input type="checkbox"/> OTH				
See Attached Impact Sheet      CostΔ \$					

ECN\_H April 21, 1998

Dist: STD; Engineering Files, Materials, Manuf. Eng., Manufacturing, Stockroom, Sales/Customer Service, Technical Service, Product Development, Proj. Engineer

# DriveRack PA Software Release: V1.010

Date: July 16, 2003

Product: dbx DriveRack PA

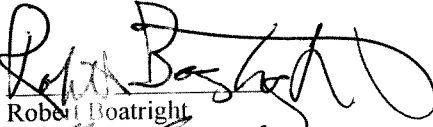
Part Number: 72-5539-03V1 Rev. 01

Previous Software Version: V1.000

DriveRack PA File Names: 23101001.h01, 23101001.h02, 23101001.h03, 23101001.h04,  
23101001.h05, 23101001.h06, 23101001.h07, 23101001.h08

DriveRack PA Check Sum: 0x9826

Project Engineer:

  
Robert Boatright

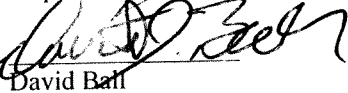
DSP Eng.

  
Rex Reed

Software Eng.

  
Stephen Smith

AP Tester

  
David Ball

## DriveRack PA Additions to V1.000:

None

## DriveRack PA Bugs Fixed in V1.000:

1. GEQ filter double-precision up to and including band 6.3kHz.
2. Fixed gain in crossover OUT for Butterworth low-pass filter.
3. Fixed coefficients in PEQ low-pass shelf (Wizard parameters for cases affected by this have been adjusted to compensate).

## DriveRack PA Changes to V1.000:

1. AFS algorithm variables changed from ULONG to UINT where possible and rd\_new\_peak\_bin() has been created and used by the AFS algorithm. The algorithm will run faster.