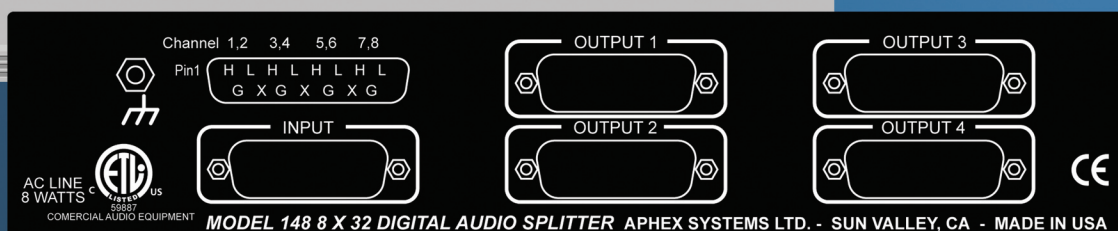


**APHEX**

8 X 32 DIGITAL AUDIO SPLITTER MODEL 148

POWER



# 148 Active Digital Audio Splitter

## 8 x 32

With the advent of digital audio consoles and recording devices the need often arises for a digital output to be sent to multiple digital inputs. But digital signals cannot be split as simply as analog audio signals. Trouble-free transmission of digital audio requires strict adherence to standards for input and output impedances as well as wiring. If the standards are not met the robustness of the system can diminish causing noise, drop outs or complete loss of signal. As the sampling rate increases, so does the possibility of failures. Changing the input impedance by wiring two or more inputs across one output simply does not work.

There are many digital audio distribution amplifiers on the market. They can do many things such as reclocking, reshaping, matrixing, format conversion, etc. But when the need is only for splitting, especially for multiple channels, these other devices are prohibitively expensive, bulky and difficult to set up.

The Model 148 was developed specifically for those applications in which the requirement is to feed the same digital audio signal to multiple

inputs. It is clean, stable and extremely cost effective.

Through the use of 15-pin D sub connectors the 1/2 rack unit can split 8 channels (4 pairs) of digital audio into 32 channels (16 pair). The D-Subs follow the standards used on the Model 1788 remote controlled mic preamplifier (see illustration above for the wiring diagram).

The Model 148 can be mounted in a rack singly or in pairs with the Aphex Model 44-008SA rack kit.

The Model 148 incorporates 20dB of saturated gain to square up the input signal. In many cases it can be used as a booster amplifier to restore a signal to full drive at the end of longer runs.

The Model 148 can also be internally configured for either 110Ω balanced or 75Ω unbalanced operation.

## Features

- 1 DB15 Input Connector  
4 AES3 Stereo Inputs
- 4 DB15 Output Connectors  
4 AES3 Stereo Outputs On Each
- No Setup Required  
Fully Automatic Signal Transfer  
Accepts S/PDIF and Pro Input Levels
- Sample Rates to 192kHz
- All I/O Transformer Isolated
- Low Jitter
- Low Cost
- 1/2 Rack Package
- Internal Power Supply
- High Reliability

## SPECIFICATIONS

Inputs:	4 Stereo Pro AES3 Transformer Balanced, DB15 Male
Outputs:	4 x 4 Stereo Pro AES3 Transformer Balanced, DB15 Female
AES3 Jitter:	Less than 100 picoseconds
Input Z:	110Ω or 75Ω (Internal Switch)
Output Z:	110Ω Balanced (Special Order 75Ω Unbalanced)
Output Level:	AES3 (with Standard Z=110Ω) S/PDIF (with Special Order Z=75Ω)
Transfer Gain:	Automatic - .5VP-P to 5VP-P Input Generates Specified Output
Power Supply:	Internal, fused
Power Requirements:	100/120/240V~ 50/60Hz - 5W
Size:	8.5 in. W x 1.75 in. H x 8 in. D
Net Weight:	2lbs.


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