

Ashly 4.8SP Protea DSP Loudspeaker System Processor 4-In x 8-Out with USB

Input	Active Balanced, 18k Ohms
Input Level	+20dBu (Max)
Input Gain Range	-40dB—+12dB
Output	Active Balanced, 112 Ohms
Output Level	+20dBu (Max)
Output Gain Range	-40dB-+12dB
Weights, Dimensions & Power	
Unit Weight	SP3.6:7lbs (9.54kg) SP4.8:7.3lbs (3.3kg)
Shipping Weight	SP3.6/SP4.8: 10lbs (5kg)
Environmental	40°F-120°F (4°C-49°C) noncondensing
Dimensions	19" L x 1.75" H x 8.5" D (483mm x 89mm x 216mm)
AC Requirements	Universal Power Supply, 100-240VAC, 50/60Hz, 20W
Equalizer	
EQ Filter Types	1st or 2nd Order High or Low Shelf, Parametric
Shelving Filter Boost/Cut Range	±15dB
Shelving Filter Frequency Range	Low Shelf: 19.7Hz—2kHz, High Shelf: 3.8kHz-21.9kHz
Parametric Filter Boost/Cut Range	+15dB/-30dB
Parametric Filter Frequency Range	19.7Hz-21.9kHz, 1/24 Octave Steps
Parametric Filter Bandwidth	Four Octaves to 1/64 Octave
Delay	
Input/Output Delay	0-682ms
Crossover	
HPF/LPF Frequency Range	19.7Hz—21.9kHz, Off
Available Filter Types	12dB/Oct Butterworth 12dB/Oct Bessel 12dB/Oct Linkwitz-Riley 18dB/Oct Bessel 18dB/Oct Linkwitz-Riley 24dB/Oct Butterworth 24dB/Oct Bessel 24dB/Oct Linkwitz-Riley 48dB/Oct Butterworth 48dB/Oct Bessel 48dB/Oct Linkwitz-Riley
Limiter	
Threshold Range	-20dBu-+20dBu
Ratio Range	1.2:1 to ∞:1
Attack Time Range	0.5ms-50ms
Release Time Range	10ms-1Sec
Frequency Response	20Hz—20kHz, ±0.25dB
THD	<0.01% @ 1kHz, +20dBu
Dynamic Range	>110dB, 20Hz-20kHz unweighted
Audio Sampling Rate	48kHz
Propagation Delay	1.46ms
Signal LEDs (dBu or VU)	
Inputs	-20/Mute,-10,0,+10, Clip
Outputs	-20/Mute, -10,0, Limit Threshold, Clip