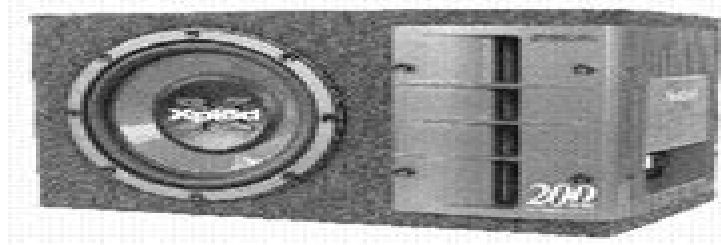


XS-AW200X

SERVICE MANUAL

Ver 1.1 2002.01

AEP Model
UK Model



SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

75 watts minimum continuous average power into 4 ohms, driven 150 Hz with no more than 0.1% total harmonic distortion.

Other Specifications

Speaker section	
Woofer	23 cm, cone type
Impedance	4 ohms
Power amplifier section	
Circuit system	OTL (output transformerless) circuit Pulse power supply RCA pin jacks
Inputs	High level input
Maximum outputs	200 watts
Rated outputs	75 watts (150 Hz, 0.1 % THD)
Input level adjustment range	0.2 – 4.0 V (when using RCA pin jacks) 0.4 – 3.0 V (when connecting high level input)
Harmonic distortion	0.03 % or less (at 100 Hz)
Low-pass filter	cut-off frequency 50 – 200 Hz (variable), –12 dB/ oct

System Section	
Power requirements	12 V DC car battery (negative ground)
Power supply voltage	10.5 – 16 V
Current drain	at rated output: 13 A Remote input: 1.5 mA
Dimensions	Approx. 432 x 246 x 256 mm (w/h/d) (16 7/8 x 9 3/4 x 10 1/4 in.) not incl. protecting parts and controls
Mass	Main unit Approx. 9 kg (19 lb. 13 oz.) not incl. accessories
Supplied accessories	Remote level controller (1) Parts for installation and connections (1 set)

Design and specifications are subject to change without notice.

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Applications of Digital Signal Processing to Audio and Acoustics Mark Kahrs, Karlheinz Brandenburg, 2005-12-11
Karlheinz Brandenburg and Mark Kahrs With the advent of multimedia digital signal processing DSP of sound has emerged from the shadow of bandwidth limited speech processing Today the main applications of audio DSP are high quality audio coding and the digital generation and manipulation of music signals They share common research topics including perceptual measurement techniques and analysis synthesis methods Smaller but nonetheless very important topics are hearing aids using signal processing technology and hardware architectures for digital signal processing of audio In all these areas the last decade has seen a significant amount of application oriented research The topics covered here coincide with the topics covered in the biannual workshop on Applications of Signal Processing to Audio and Acoustics This event is sponsored by the IEEE Signal Processing Society Technical Committee on Audio and Electroacoustics and takes place at Mohonk Mountain House in New Paltz New York A short overview of each chapter will illustrate the wide variety of technical material presented in the chapters of this book John Beerends Perceptual Measurement Techniques The advent of perceptual measurement techniques is a byproduct of the advent of digital coding for both speech and high quality audio signals Traditional measurement schemes are bad estimates for the subjective quality after digital coding decoding Listening tests are subject to statistical uncertainties and the basic question of repeatability in a different environment ES&T Presents Audio Troubleshooting and Repair, 1999 This book provides information that will make it possible for technicians and electronics hobbyists to service audio faster more efficiently and more economically This makes it more likely that consumers will choose not to discard their faulty products but will have them restored by a trained professional Video and Camcorder Servicing and Technology Steve Beeching, 2001-04-11 This book provides fully up to date coverage of the whole range of current home video equipment analogue and digital As well as essential information for repair and troubleshooting the author provides clear explanations of the technology of video equipment which will enable the service engineer to gain a thorough knowledge of the equipment with which they are working As well as traditional VCRs the scope of Video and Camcorder Servicing and Technology includes the full range of video cameras designed for home use and editing systems and the latest DVD and hard disk equipment The resulting book is an essential bench reference tool for all service engineers a guide to the technology for a wide range of professionals and the most comprehensive college text for City Guilds EEB and other courses Steve Beeching's guides to servicing video equipment have long been the definitive texts for service engineers and students This book is the successor to the classic Servicing Video Cassette Recorder Equipment which has been the leading PAL based title on video equipment since 1983 The key to successful servicing of VCRs and camcorders The first servicing book to cover the new generation of video equipment DVD and hard disk recording MPEG2 The practical knowhow of a highly experienced service engineer *Audio Power Amplifier Design* Douglas Self, 2013-07-04 This book is essential for

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