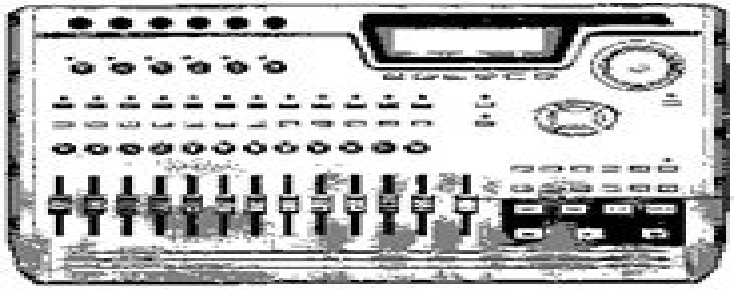
AKAI service manual



DIGITAL PERSONAL STUDIO
MODEL DPS12
OPTIONAL BOARD
MODEL EB2M

★ SPECIFICATIONS

Recording media	Internal JAZ drive (1G byte), or an external JAZ or hard disk
Sampling rate	48 kHz, 44.1 kHz, 32 kHz
Recording time (Using a 1 G byte JAZ disk, total recording time)	
FS=48 kHz	Approx. 3 hours (12 tracks x 15 minutes)
FS=44.1 kHz	Approx. 3 hours 16 minutes (12 tracks x 16.3 minutes)
FS=32 kHz	Approx. 4 hours 30 minutes (12 tracks x 22.5 minutes)
Number of simultaneous recording tracks	8
Frequency response	
FS=48 kHz	20 Hz - 22 kHz ± 2.0 dB
FS=44.1 kHz	20 Hz - 20 kHz ± 2.0 dB
FS=32 kHz	10 Hz - 15 kHz ± 2.0 dB
Quantization bit	16 bit linear
ADC	18 bits, 64-times oversampling, Pitch under delta/sigma modulation
DAC	20 bits, 8-times oversampling, 1 bit delta/sigma method
Dynamic range	85 dB or higher (terminal resistance 100 Ω)
Distortion	0.05 % or less (standard level, 1 kHz, FS = 48 kHz)
Channel crosstalk	75 dB or higher (10 kHz standard, terminal resistance 100 Ω)
Wow and flutter	Lower than measurable limit.
Analog audio input	ø 6.3mm stereo phone jack (balanced/unbalanced connection)
Input level	−46 dBu–+4 dBu (max. +19 dBu, at 1 kHz)
Impedance	15 kΩ
Analog audio output	ø 6.3mm stereo phone jack (balanced/unbalanced connection)
Output level	
MASTER OUT	−10 dBu (max. = 9 dBu/47 kΩ)
AUX SEND	−10 dBu (max. = 5 dBu/47 kΩ)
Impedance	1 kΩ (MASTER OUT), 100 Ω (AUX SEND)
Stereo phone output	ø 6.3mm stereo phone jack x 1
Maximum output	24 mW/32 Ω
Digital audio input	Optical (SPDIF)
Digital audio output	Optical (SPDIF)
Foot switch	ø 6.3mm phone jack x 1
SCSI	Half pitch 50-pin (for external hard disk) x 1
Display	248 x 60 dots, backlit, graphical LCD
Power supply	AC100 V, 50/60 Hz for Japan AC 117 V, 60 Hz for U.S.A. and Canada AC220-240 V 50 Hz for Europe
Power consumption	21 W (with internal JAZ drive)
Operating temperature	10°C - 35°C
Operating humidity	10 % - 90 % (no condensation allowed)
Dimensions (mm)	445 (W) x 98 (H) x 334 (D) (M e x. 447.5 measured on the projection)
Weight	4.3 kg

ACCESSORIES

Operation's manual	1
3 pin power cable	1 (with a two polar conversion plug)

OPTION EB2M (Effect board)

* For improvement purposes, specifications and design are subject to change without notice.

0 dBu = 0.775 V

Akai Dps12 Manual

Yi-Tong Ma

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Future Music ,2001 Automatic Artistry Alyssa Michaud,2026-01-27 Musicians have access to an ever growing array of technological tools creating a world rich with new artistic possibilities Yet the incursion of automation technology into creative pursuits has long sparked panic about the threat to human creativity and authenticity Relating a 120 year history of automation in music this book provides a timely historical demonstration of how older technologies of automation gave rise to initial unease which was then followed by integration and exploration of their generative potentials Journeying from the player piano at the turn of the twentieth century through the introduction of drum machines and synthesizers to the holographic pop stars of the twenty first century Alyssa Michaud shows how musical subcultures have shifted the parameters of debate around the meaning of automation and creativity In riveting prose Automatic Artistry directly addresses the choices we now face as we adapt to the newest wave of automated musical tools EQ. ,1998 Keyboard ,1998 **Electronic Musician** ,1999

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