

4 CHANNEL PRE/MAIN AMPLIFIER WITH QM DECODER SB-404

- 15W x 4 (r.m.s., 8Ω, 0.4%)
- IC 4-channel pre/main-amplifier
- BTL circuit (26W x 2 r.m.s., 8Ω, 0.4%)
- Equalization amplifier for condenser cartridge
- QM effect control system
- Natural walnut cabinet



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4 CHANNEL PRE/MAIN AMPLIFIER WITH QM DECODER **SB-404**

SPECIFICATIONS

GENERAL

Semiconductor: 5 IC's, 26 transistors, 10 diodes
Power source: AC 100/120/220/240V, 50/60 Hz
Control: Main-volume, 4-sub-volume, 2-bass, 2-treble, selector (PH₁ (MAG-CC)/PH₂ /TUNER/AUX-1/AUX-2 (4 ch)), MODE (MONO, STEREO, QM, 4-ch) power, 2 tape moni, speaker (ON/OFF), QME (Concert Hall/Studio/Surround/Stage)
Connector: 32-PIN-jack, headphone jack, DIN connector, 4-speaker terminal, 2-AC outlet, ground terminal
Indicator: 4 VU meter
Cabinet: Natural walnut cabinet
Dimensions: 400(W) x 125(H) x 337(D) mm (15 1/4" x 4 7/8" x 12")
Weight: 7.5 kg (16 lbs.)
Accessory: Polishing cloth, fuse, owner's manual, PIN plug

Preamplifier output: 0.5 V, 4.2 V (max.)
Frequency response: 5-100 kHz (+0, -3 dB)
Total harmonic distortion: 0.04% (at rated output)
Max. input voltage for PHONO: CC 2 V (1 kHz)
Tone control:
 Bass control; ±10 dB (at 100 Hz)
 Treble control; ±10 dB (at 10 kHz)
Signal-to-Noise Ratio:
 Phono; 65 dB (at 3 mV input)
 CC; 70 dB (at 40 mV input)
 Aux; 80 dB (at 150 mV input)

PERFORMANCE

Power amplifier section

Music power output (IHF): 30 W x 2 (at 8 Ω, BTL, 0.8% THD)
 17 W x 4 (each ch. at 8 Ω, 0.4% THD)
Continuous power output: 26 W x 2 (at 8 Ω, BTL, 0.4% THD)
 15 W x 4 (each ch. 8 Ω, 0.4% THD)
Harmonic distortion: 0.4% (at rated r.m.s. output)
 0.1% (at 2 W per channel)
Intermodulation distortion: 0.8% (at rated r.m.s. output)
 0.2% (at 2 W per channel)
Frequency response: 10-55,000 Hz/+0, -3 dB
Power bandwidth: 10-30,000 Hz (IHF, 0.8%)
Input sensitivity for rated power output (input impedance): 0.5 V (37 kΩ)
Noise: 0.5 mV
Damping factor: 20 (at 8 Ω)
Speaker impedance: Accept 4 to 16 Ω (8 to 16 Ω at BTL connection)

Preamplifier section

Input sensitivity (input impedance):

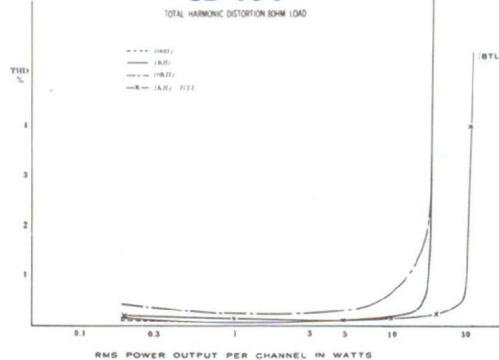
Phono 1, MAG.	3 mV (47 kΩ)
CC	30 mV (70 kΩ)
Phono 2,	3 mV (47 kΩ)
Tuner	150 mV (47 kΩ)
Aux. 1 (4-ch)	150 mV (47 kΩ)
Aux. 2 (4-ch)	150 mV (47 kΩ)
Tape (4-ch)	150 mV (47 kΩ)

Output for recording:

Tape (REC)	150 mV
Tape (DIN)	30 mV



POWER OUTPUT vs. DISTORTION.
SB-404
 TOTAL HARMONIC DISTORTION 8ΩHM LOAD



TONE CONTROL FREQ. vs. RESP.
SB-404
 TONE CONTROLS

