

# 4 CHANNEL STEREO RECEIVER SA-304

- 10W x 4 (r.m.s., 8Ω, 0.8%), 4-channel FM/AM/FM stereo receiver
- BTL circuit (20W x 2 r.m.s., 8Ω, 0.8%)
- IC power output section
- MOS FET's FM front end
- Built-in QM 4-channel matrix decoder
- CD-4 4-channel adaptor terminals
- Black dial



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# 4 CHANNEL STEREO RECEIVER SA-304

## SPECIFICATIONS

### GENERAL

<b>Semiconductor:</b>	5 IC's, 3 FET's, 38 transistors, 24 diodes
<b>Tuning range:</b>	FM; 88—108 MHz, AM; 530—1,605 kHz
<b>Power source:</b>	AC 100/120/220/240 V, 50/60 Hz
<b>Control:</b>	
Total volume control;	4-gang, co-axial
Total control;	Bass (4-gang, co-axial) Treble (4-gang, co-axial)
Balance;	4 (discrete)
Selector;	AM/FM auto/PHONO/AUX (4-ch)
Mode;	MONO/STEREO/4-ch 1 (QM)/ 4-ch 2 (SQ)/4-ch 3 (discrete)
Power/speaker switch;	PWR OFF/A (4-ch)/SP OFF/B (2-ch)
Accessory switch;	Tape monitor, 4-speaker/BTL, FM mute
<b>Antenna:</b>	FM; 300/75 $\Omega$ terminals AM; Ferrite core antenna, external antenna terminals
<b>Indicator:</b>	FM-ST indicator, FM/AM tuning meter
<b>Cabinet:</b>	Metal cabinet
<b>Dimensions:</b>	400(W) $\times$ 125(H) $\times$ 290(D) mm (15 $\frac{3}{4}$ " $\times$ 4 $\frac{7}{8}$ " $\times$ 11 $\frac{3}{8}$ " )
<b>Weight:</b>	8.2 kg (18 lbs.)
<b>Accessory:</b>	FM feeder antenna, fuse, owner's manual, PIN-plug



### PERFORMANCE

#### Audio section

<b>Power output:</b>	10 W $\times$ 4 (4-ch), 20 W $\times$ 2 (BTL) (r.m.s. each channel driven, 8 $\Omega$ , 0.8%)
<b>Frequency response:</b>	20—40 kHz ( $\pm$ 2 dB)
<b>Power bandwidth:</b>	20—30 kHz (IHF, 0.8%)
<b>Signal-to-Noise ratio:</b>	PHONO; 60 dB AUX; 70 dB
<b>Input sensitivity for rated output:</b>	PHONO; 3.0 mV, 200 k $\Omega$ CC; 30 mV 70 k $\Omega$ AUX; 200 mV, 100k $\Omega$
<b>Damping factor:</b>	26 at 8 $\Omega$
<b>Tone control:</b>	$\pm$ 10 dB at 100 Hz and/or 10 kHz
<b>Residual noise:</b>	0.8 mV
<b>Loudness control:</b>	+10 dB (100 Hz), +4 dB (10 kHz)

#### Tuner section

<b>Sensitivity:</b>	FM; 2.5 $\mu$ V (IHF) AM; 20 $\mu$ V (IHF)
<b>Signal-to-Noise ratio:</b>	FM; 62 dB AM; 45 dB
<b>Capture ratio:</b>	2.5 dB
<b>Image rejection:</b>	FM; 55 dB AM; 35 dB
<b>IF rejection:</b>	FM; 60 dB AM; 30 dB
<b>AM suppression (FM):</b>	35 dB
<b>FM-ST separation:</b>	30 dB at 1000 Hz

