

CHANNEL RECEIVER SANSUI QRX4500



sound is dramatically improved by this clear definition of each sound source—in fact, you won't quite believe your ears. Overall, the QRX-4500 is one of the very few professional 4-channel receivers made today. Its exclusive built-in 2-4 Synthesizer Encoder helps the QS regular matrix system convert all your 2-channel stereo records, tapes and FM stereo broadcasts into more exciting 4-channel sound than ever. It has Phase Matrix circuitry that takes advantage of Sansui's exclusive front-rear logic to decode all SQ system records, too, with superb front-rear separation. And for even greater versatility, the unit comes complete with an extra set of discrete 4-channel inputs, permitting you to hook up a demodulator to play discrete records. How far has 4-channel sound evolved in the short time it has been available? Listen to the QRX-4500 for evidence of a whole other world of musical excitement. A Sansui world that is truly different.

Sansui

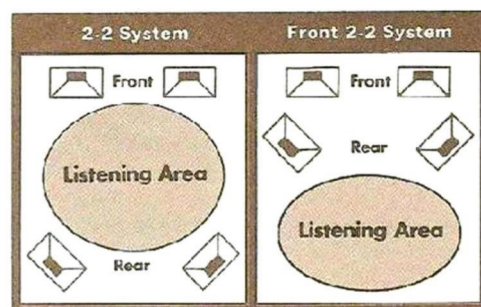
SELECTING AND POSITIONING SPEAKER SYSTEMS

A little knowledge about speaker placement and a little experimentation will go a long way toward providing you with the finest 4-channel sound reproduction possible. Always try to choose four identical speakers. For best results, use speaker systems especially designed for broad sound dispersion.

Basically, there are two common—and recommended placement systems, which we've illustrated below.

2-2 SYSTEM: Regular 4-corner position widely accepted as "standard." Ideal for the rich surround effect.

FRONT 2-2 SYSTEM: Moves the rear speaker systems up front. Best for the concert hall effect, it recreates the stage in front of you and the ambience of the hall around you.



SPECIFICATIONS

AUDIO SECTION

POWER OUTPUT

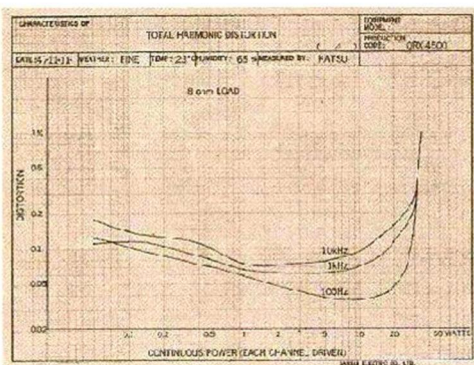
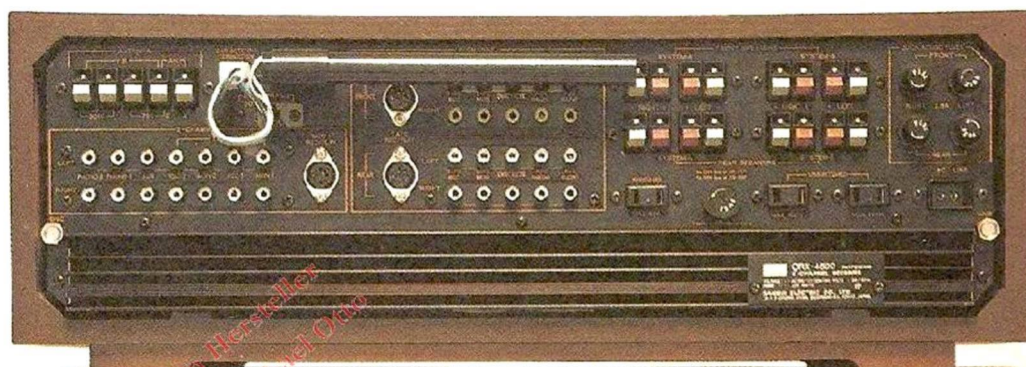
MUSIC POWER (IHF) 240 Watts into 4 Ω
160 Watts into 8 Ω

CONTINUOUS POWER 38 Watts x 4 into 4 Ω
(1kHz, each channel driven)
27 Watts x 4 into 8 Ω

CONTINUOUS POWER 23 Watts x 4 into 8 Ω
(1kHz, 4-channels driven)

POWER BANDWIDTH (IHF) 20–30,000Hz

TOTAL HARMONIC DISTORTION less than 0.5% at rated output



INTERMODULATION DISTORTION

less than 0.5% at rated output (70Hz: 7,000Hz = 4:1 SMPLE method)

LOAD IMPEDANCE

more than 30 at 8 Ω load

DAMPING FACTOR

4–16 Ω

INPUT SENSITIVITY (1kHz, for rated output)

PHONO 1, 2 2.5mV (50k Ω)

AUX (2-CH) 150mV (50k Ω)

AUX (4-CH) LOW LEVEL 150mV (50k Ω)

HIGH LEVEL 450mV (50k Ω)

DISCRETE 4-CH 150mV (50k Ω)

TAPE MON (2-CH) pin, DIN 150mV (50k Ω)

(4-CH) pin, DIN 150mV (50k Ω)

RECORDING OUTPUT 150mV

PIN JACK (2-CH, 4-CH) 30mV

DIN CONNECTOR (2-CH, 4-CH) 30mV

FREQUENCY RESPONSE (AUX 2-CH)

30–30,000Hz, ± 1.5 dB

EQUALIZATION

RIAA Curve

30–15,000Hz, ± 1.5 dB

CHANNEL SEPARATION (at rated output 1,000Hz)

better than 45dB

HUM AND NOISE (IHF)

PHONO

better than 60dB

AUX (2-CH)

better than 70dB

AUX (4-CH)

better than 70dB

TONE CONTROLS (FRONT)

BASS

+15dB, -15dB at 50Hz

TREBLE

+15dB, -15dB at 20,000Hz

LOUDNESS CONTROLS (FRONT, REAR)

+8dB at 50Hz, 13dB at 10,000Hz

FILTERS (FRONT)

LOW

Curve: 6dB/oct

HIGH

-10dB at 50Hz

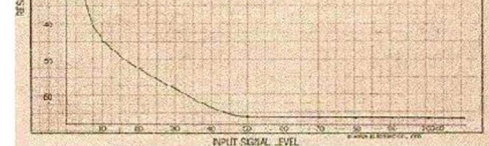
FM SECTION

TUNING RANGE

88 to 108MHz

SENSITIVITY (IHF)

2 μ V



TOTAL HARMONIC DISTORTION

less than 0.8% (STEREO)

less than 0.5% (MONO)

SIGNAL TO NOISE RATIO

better than 65dB

better than 50dB

SELECTIVITY

CAPTURE RATIO (IHF)

1.5dB

IMAGE FREQUENCY REJECTION

better than 80dB

IF REJECTION

better than 80dB

SPURIOUS RESPONSE REJECTION

better than 80dB

SPURIOUS RADIATION

less than 34dB

STEREO SEPARATION

better than 35dB

ANTENNA INPUT IMPEDANCE

300 Ω balanced, 75 Ω unbalanced

AM SECTION

TUNING RANGE

535 to 1605kHz

SENSITIVITY FERRITE BAR ANTENNA

50dB/m

IMAGE FREQUENCY REJECTION

better than 100dB

at 1,000kHz

IF REJECTION

better than 100dB

SELECTIVITY

SEMICONDUCTORS

Transistors 104; Diodes 46;

FET's 4; IC 1; Zener

Diodes 2

POWER REQUIREMENTS

POWER VOLTAGE 100, 110, 117, 127, 220, 230, 240, 250V 50/60Hz

POWER CONSUMPTION

125 Watts (rated); 310VA (max.)

DIMENSIONS 171mm(6 $\frac{3}{4}$ ")H x 526mm(20 $\frac{3}{4}$ ")W x

317mm(12 $\frac{1}{2}$ ")D

WEIGHT

18.6kg (41 lbs.)

Design and specifications subject to change without notice for improvements.