

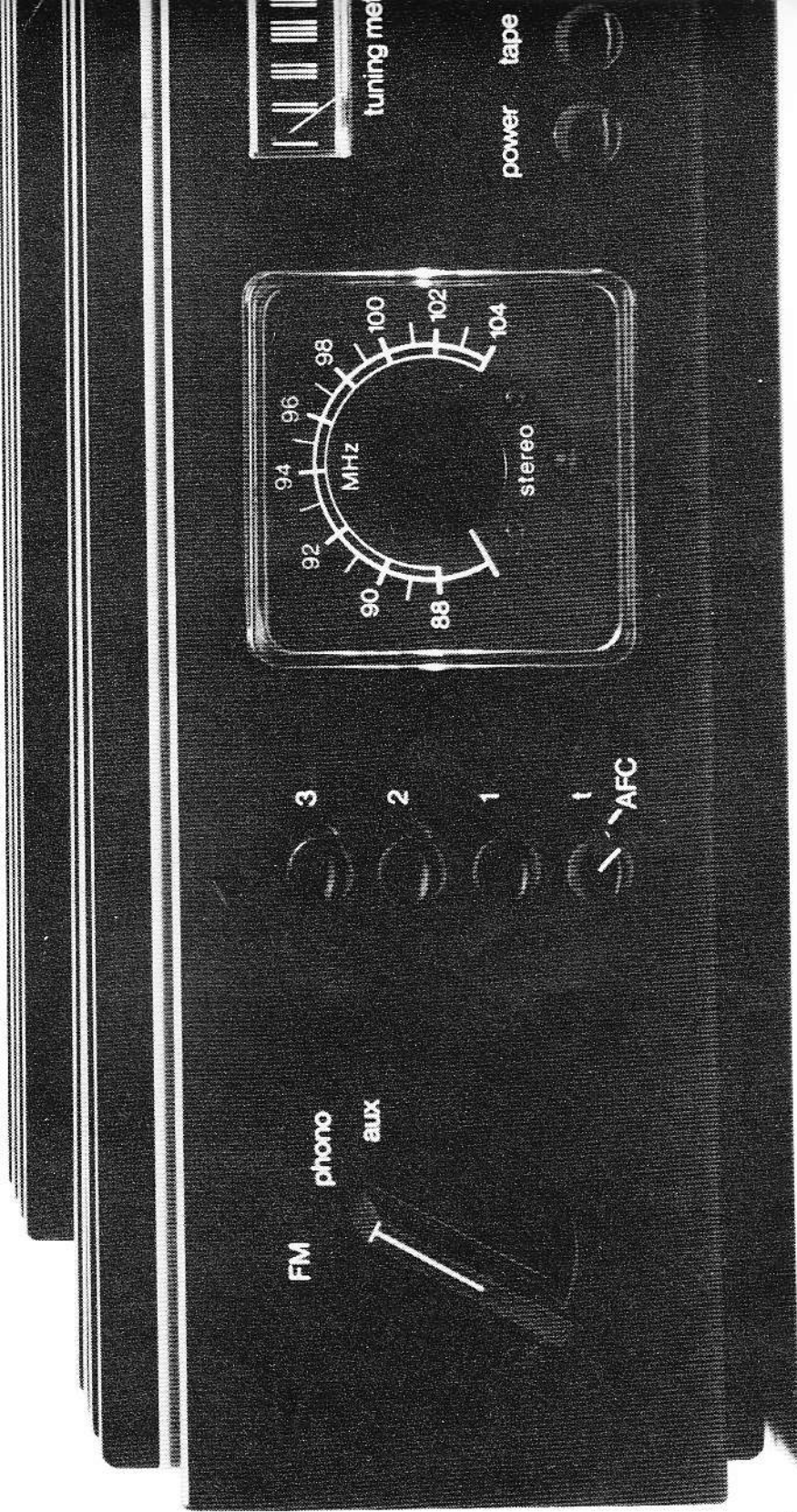
The Sonab R4000, type 2.

This receiver is popular on account of its appearance, we are aware of that. But it is what is inside that determines how it actually sounds. The amplifier is of a similar high standard as to the R7000.

The R4000 also has an instant selection system for four programmes, the controls are simple to manage and there are outlets for two pairs of speakers.

Because of the active volume control, sound reproduction is excellent throughout the entire register, even at low volume. This is an important consideration when using headphones (Instead of merely strangling the input into the amplifier we have also reduced the amplification itself. Otherwise the music can easily be lost in the amplifier's own fuss.)

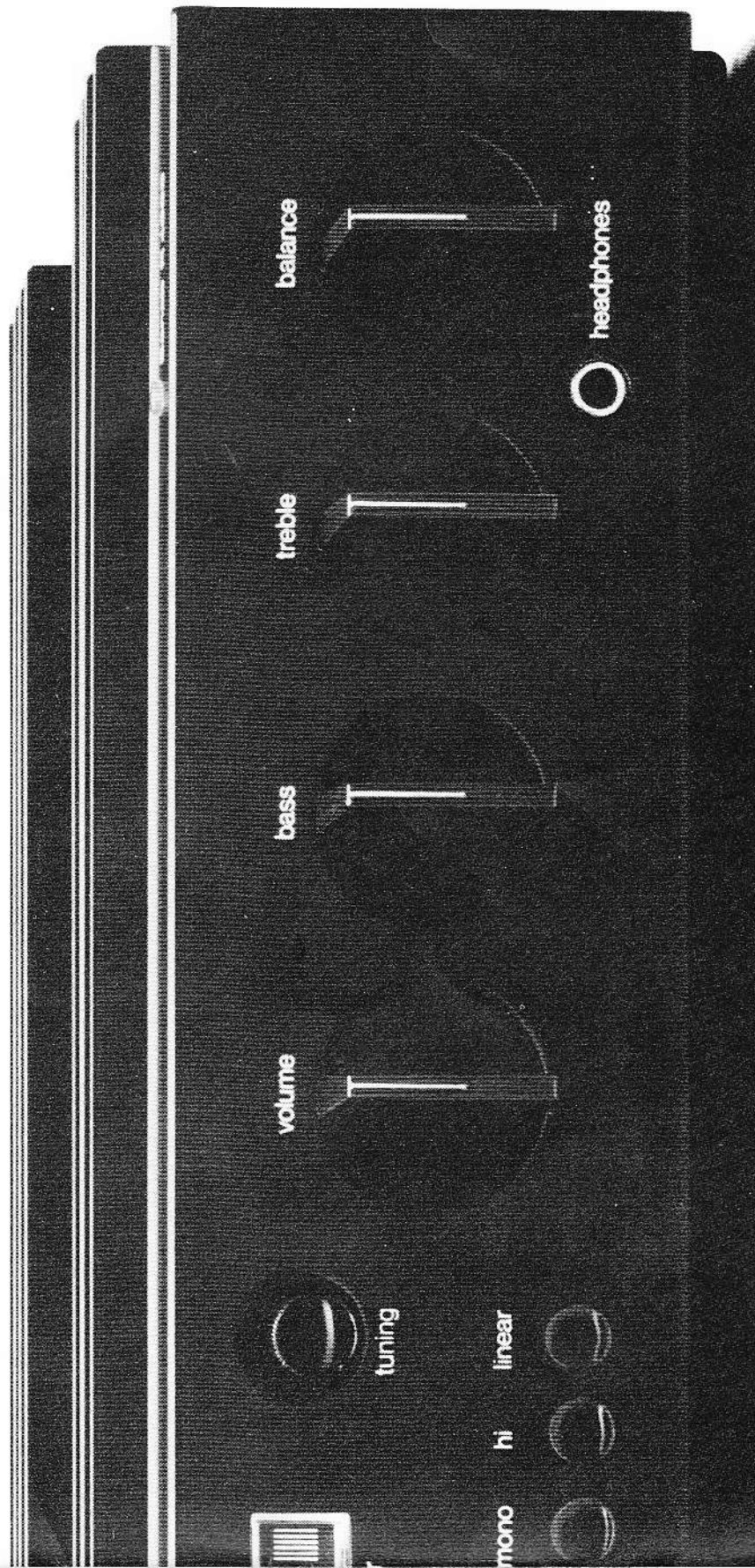
Output power (continuous sinus power) with both channels operating:	2 x 50 watt in 4 ohm 2 x 40 watt in 8 ohm
Music power	160 watt (4 ohm) 120 watt (8 ohm)
Frequency response	15 - 25,000 Hz \pm 1.5 dB
Distortion at 1 kHz 6 W/max. power	Less than 0.1 %/Less than 0.5 %
Intermodulation at 35 W	Less than 0.2 %
Signal-to-noise ratio	56 dB at PU input 66 dB at high-level inputs



Tone controls		Bass ± 12 dB at 50 Hz Treble ± 8 dB at 10 kHz
Balance control		0 – 100 % from mid-position.
Filters		Treble filter.
Loudness		Switch.
Inputs		Magn Pu 2.0 mV/68 kohm DIN Tape Mon. 100 mV/ > 100 kohm DIN Aux 100 mV/ > 100 kohm DIN
Outlets		Speakers 4 – 16 ohm DIN Headphones min 8 ohm. Phone jack Tape 150 mV/10 kohm DIN
Tape monitoring	Yes	

Overloading protection		Electronic + fuses
Frequency range		87.5 – 104 MHz
Preset selection		3 + 1
MPX Stereo decoder	Yes	
Sensitivity DIN		2.0 μ V
Frequency response		30 – 15,000 Hz ± 1.5 dB
Distortion		0.3 % at 1000 Hz
MPX attenuation		35 dB at 19 kHz 40 dB at 38 kHz
AM suppression		55 dB
Capture ratio		2 dB

Channel separation		30 dB
FM band width		IF-amplifier over 240 kHz (– 3 dB) Detector over 600 kHz (– 3 dB)
Tuning indicator		Tuning meter
Dimensions: (W x H x D)		47.5 x 11 x 25 cm
Weight:		8.5 kg
Colour:		Black
Accessories:		Dipole antenna
Note:		Automatic stereo/mono switch over with lamp indicator. Antenna inlet for 75 and 300 ohms Switched mains outlet on rear panel.



The Sonab P4000.

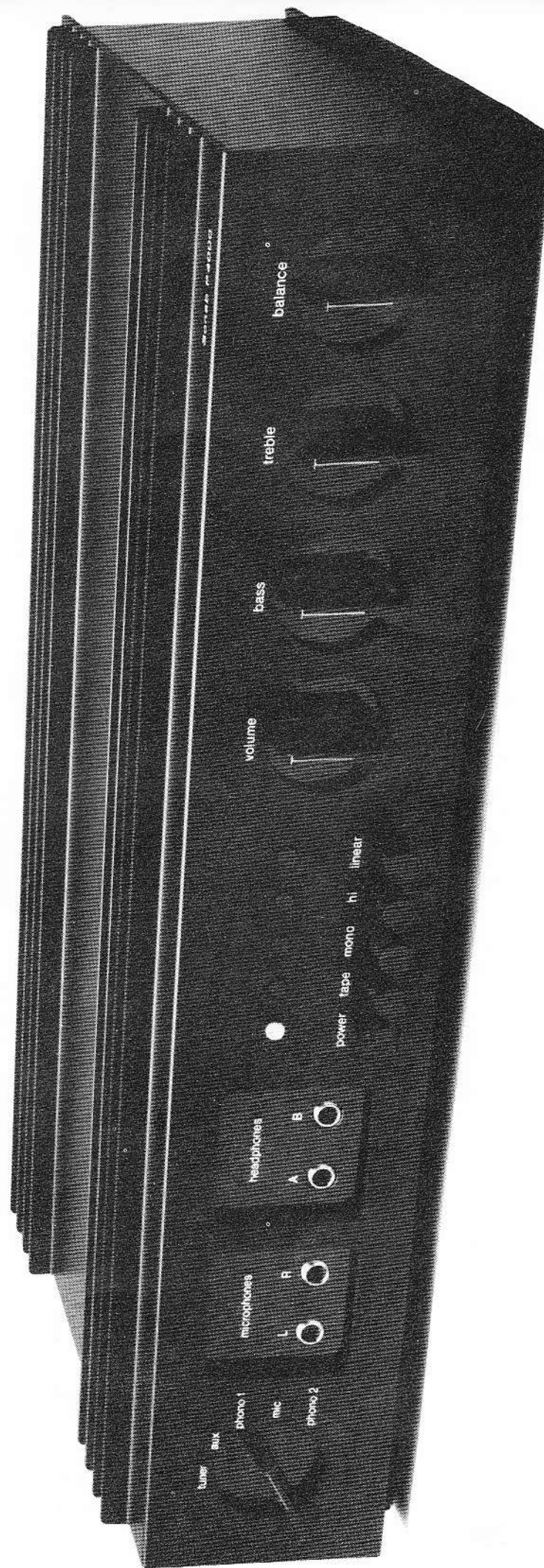
The P4000 is an amplifier pure and simple, an instrument for those of you who wish to play your own music. There are outlets for two pairs of speakers, inlets for two turntables, tape recorder and two microphones. If you want to record then each channel has its own microphone inlet. You can record stereo if you wish.

The microphone inlets are conveniently located at the front, as are the twin outlets for headphones. Altogether the controls on this amplifier are conveniently placed and simple and easy to handle.

The active volume control provides first-class sound over the entire register, even at minimum volume.

Output power (continuous sinus power) with both channels operating	2 × 55 watt in 4 ohm 2 × 40 watt in 8 ohm
Music power	160 watt (4 ohm) 120 watt (8 ohm)
Frequency response	15 — 25,000 Hz ± 1.5 dB
Distortion at 1 kHz 6 W/max. power	less than 0.1 %/ less than 0.5 %
Intermodulation at 35 W	less than 0.2 %
Signal-to-noise ratio	56 dB at PU input 66 dB at high-level inputs
Tone controls	Bass ± 12 dB at 50 Hz Treble ± 8 dB at 10 kHz
Balance control	0 — 100 % from mid-position
Filter	Treble filter

Loudness	Switch
Inputs	Magn PU1 2.0 mV/68 kohm DIN Magn PU2 2.0 mV/68 kohm DIN Microphone 2.1 mV/68 kohm Phone jack Aux 100 mV/ > 100 kohm DIN Radio 100 mV/ > 100 kohm DIN Tape/mon 100 mV/ > 100 kohm DIN Power amplifier 500 mV/47 kohm DIN
Outlets	Tape 100 mV/10 kohm DIN Pre-Amplifier 500 mV/20 kohm DIN Speakers 2 pairs 4 — 16 ohm DIN Headphone 2 pairs min. 8 ohm. Phone jack.
Overloading protection	Electronic + fuses
Tape monitoring	Yes
Dimensions (W×H×D)	47.5 × 25 × 11 cm
Weight	8.5 kg
Colour	Black



Sonab headphones.

These headphones provide you with your own little music studio, undisturbed by all extraneous noise. Moreover your music doesn't disturb anyone else.

The phones fit snugly over the ears, and are adjustable vertically and laterally.

Because the conches enclose the ears so thoroughly you get the best possible headphone sound from deepest bass to peak treble. (When using a lighter type of headphones which simply rest on the ears the phones must be pressed against the head in order to capture the bass tone properly.)

The simple attractive appearance of these headphones is another advantage, they can be left out even when not in use since they are a pleasure to look at, and they match the other pieces of Sonab equipment admirably.



Headphones	Sonab H20	Sonab H10
Type	Dynamic	Dynamic
Frequency response	20—14,000 Hz(\pm 2dB)	20—14,000 Hz(\pm 3dB)
Frequency range	20—20,000 Hz	20—16,000 Hz
Power handling capacity at 1000 Hz	250 mW	100 mW
Requisite operating power for 100 dB	0.18 mW	0.22 mW
Impedance per capsule	400 ohm	400 ohm
Harmonic distortion at 120 dB, 1000 Hz	Less than 0.3 %	Less than 1 %
Plug	Phone plug	Phone plug
Connecting cable	4 m. spiral cable	2.8 m. spiral cable
Ear conches	Close-fitting Plastic-covered foam-plastic	Close-fitting Plastic-covered foam-plastic
Weight (without connecting cable)	450 g	450 g.
Colour	Black/non-gloss nickelplated	Red
Accessory supplied	Tone filter	Tone filter