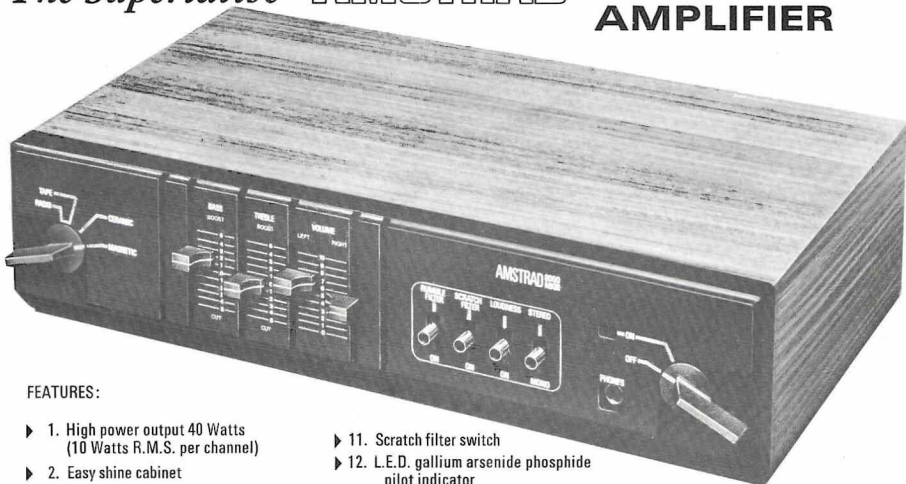


*The Superlative*

# AMSTRAD

## 8000 Mk III STEREO HI-FI AMPLIFIER



### FEATURES:

- ▶ 1. High power output 40 Watts (10 Watts R.M.S. per channel)
- ▶ 2. Easy shine cabinet
- ▶ 3. Custom designed front
- ▶ 4. Rotary input selector switch
- ▶ 5. Slider bass control
- ▶ 6. Slider treble control
- ▶ 7. Separate slider volume controls
- ▶ 8. Mono/stereo switch
- ▶ 9. Powerful loudness switch
- ▶ 10. Rumble filter switch
- ▶ 11. Scratch filter switch
- ▶ 12. L.E.D. gallium arsenide phosphide pilot indicator
- ▶ 13. Stereo headphone outlet jack socket
- ▶ 14. Automatic muting of all speakers on headphone operation
- ▶ 15. Rotary mains on/off switch
- ▶ 16. Magnetic cartridge input socket
- ▶ 17. Tape recorder input socket.
- ▶ 18. Signal available for recording at tape recorder socket
- ▶ 19. Radio tuner input socket
- ▶ 20. Ceramic cartridge input socket
- ▶ 21. Earth terminal for minimum hum
- ▶ 22. Fused circuit protection
- ▶ 23. Stereo speaker outlet sockets
- ▶ 24. Additional pair of stereo speaker outlet sockets
- ▶ 25. Compact modern styling

# AMSTRAD

*have again evolved another unique stereo high fidelity amplifier. The 8000 Mk III has been made compact in size to enable it to fit in the smallest flat, yet with its elegant styling it will complement the largest lounge. It combines the polished appearance of a grained finish wooden cabinet with the smooth lines of a chamfer inset custom designed front panel. Flip action input and mains switches complement the overall appearance of this outstanding unit. The outstanding circuit design of this amplifier ensures a powerful output of 40 watts (10 watts R.M.S. into 8 ohms per channel) in spite of its handsome compact appearance. It incorporates smooth action tone controls in an advanced circuit and these are grouped together on the front panel complementing the easy to adjust separate volume controls for left and right channels. The Amstrad 8000 Mk III also features a total of four additional snap action filter and function switches covering not only the usual scratch and rumble filters and mono switching but also a powerful loudness control for wide range listening. Four input sockets at the rear enable the amplifier to be fed from virtually any music source. Four speaker outlets are provided, two for normal stereo listening and two additional sockets for extension stereo speakers in another room, or together with the two front stereo speakers two additional rear stereo speakers may be used in the same room for surround-sound 'Quadrosound' listening. A headphone socket is also provided, which silences all speakers when the headphone jack plug is inserted.*

## ANCILLARY EQUIPMENT

The AMSTRAD 8000 Mk III High Fidelity Amplifier may be used with all types of Magnetic Cartridge, and with Ceramic cartridges of medium output. The Technical Specification quotes the sensitivities at each input socket. A wide range of input voltages from tape recorders and radio tuners have been catered for, but excessive input levels must be avoided as distortion may occur which will spoil your listening pleasure. Input levels should be kept between the following limits:—

**Magnetic Cartridge.** 1.5 mV or greater, use magnetic input socket

**Ceramic Cartridge.** 50–300 mV input levels are acceptable on this input; use ceramic input socket.

**Crystal Cartridge.** Although reduced performance will be obtained from a crystal cartridge, it may be used if necessary by plugging into the ceramic input socket

**Tape Recorder.** Any tape recorder having an output level of between 500 mV and 3V may be used with this amplifier; use tape input socket. The same socket will supply an output back to the tape recorder for recording purposes of approximately 60 mV, dependent on loading. This output is independent of tone control and volume control settings.

**Radio Tuner.** Any A.M. radio tuner or V.H.F./F.M. radio tuner with an output level between 50 mV and 300 mV may be used with this amplifier. The AMSTRAD MULTIPLEX 3000 STEREO F.M. TUNER is recommended for use with the 8000 Mk III amplifier. Use the radio input socket

**Speakers.** Virtually any type of speakers will operate with this amplifier, but we would recommend that speakers of good quality be used, especially on the two stereo outputs, to enable the full High Fidelity capability of the amplifier to be appreciated.

The AMSTRAD ACOUSTRA 1500 high fidelity loudspeakers are particularly recommended for use with this amplifier. If required, speakers with a poorer frequency response can be used on the two *QUADROSOUND* outputs, as a restricted bass response does not degrade the surround-sound performance greatly. *Note carefully:* All speakers, on both Stereo and *QUADROSOUND* outputs, must have a nominal impedance of 8 Ohms or greater, and must have a continuous power rating of 10 Watts R.M.S. each. 3 Ohm or 4 Ohm loudspeakers must *not* be used with this amplifier as damage to the unit may result.

**Headphones.** The amplifier has been designed to feed low impedance headphones of nominal impedance 4–16 Ohms. They are plugged into the socket on the front of the amplifier

## TECHNICAL SPECIFICATION

**Power Output.** 10 Watts per channel R.M.S. into 8 Ohm loads with both channels fully driven – Stereo mode.

**Recommended Loads.** Speakers: 8 Ohms for full performance. 3 Ohm or 4 Ohm speakers must not be used under any circumstances. Headphones: 4–16 Ohms.

**Frequency Response.** 20 Hz to 30 KHz

**T.H. Distortion.** Less than 0.5% at 1 KHz.

### Tone Controls

Bass:  $\pm 20$ dB at 40 Hz  
 $\pm 12$ dB at 100 Hz  
Treble:  $\pm 20$ dB at 20 KHz  
 $\pm 15$ dB at 10 KHz

### Input Sensitivities

Magnetic: 3.0 mV–47 K $\Omega$   
Ceramic: 75mV–1M $\Omega$   
Tape: 700 mV.–150 K $\Omega$   
Radio: 70 mV.–150 K $\Omega$

**Crosstalk.** Better than 50dB on any input, with 1 channel driven to full output.

**R.I.A.A. Magnetic Compensation** within  $\pm 1$ dB of B.S.1928 response.

**Magnetic Input Overload Factor.** 30dB

**Filters.** Rumble: –26dB at 20 Hz  
Scratch: –14dB at 20 KHz

**Loudness Control.** 0dB at 1 KHz;  $\pm 16$ dB at 50 Hz and 20 KHz, with volume controls at mid. position.

**Signal to Noise Ratio.** Better than 60dB on any input, with volume controls at maximum and tone controls level – Stereo mode.

**Tape Recording Output.** 60 mV from 150 K $\Omega$  source impedance.

**Quadrosound Operation.** 4 outputs with automatic Stereo/*Quadrosound* switching on connection of *Quadrosound* speakers.

**Mains Supply.** Nominal: 240 V. a.c., 50 Hz, 100 Watts  
Minimum: 200 V. a.c. 50 Hz.

**Fuse.** 1.5 amp quick blow, 20 mm.

**Styling.** Teak effect cabinet, affixed to black brushed fascia, black slider knobs and function buttons, and chrome finish, toggle switches.

**Size** 13" x 8 $\frac{1}{2}$ " x 3"

**Weight** 6lbs.

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080  
0.435  
5100  
150  
100k  
150k