

Naturally Dynamic

# **STEMFOORT AUDIO**

## **SF-200** Passive Line Amplifier

### *INSTRUCTION MANUAL*

Designed and manufactured in England by

J E Sugden & Co Ltd  
Valley Works  
Station Lane  
HECKMONDWIKE  
West Yorkshire  
WF16 0NF  
ENGLAND

## **BEFORE USE**

**This section must be read before connecting to the mains supply**

### **MAINS CONNECTION INFORMATION**

Your SUGDEN amplifier has been designed to comply with the domestic power and safety requirements that exist in your area. This amplifier can be powered by **AC ONLY**.

### **CHOOSE A SAFE AND SUITABLE LOCATION**

Your amplifier is a class A design and therefore requires good ventilation

**DO NOT:** Expose to direct Sunlight

**DO NOT:** Position next to a heat source such as a radiator

**DO NOT:** Use in places with high humidity or poor ventilation

**DO NOT:** Subject to mechanical vibration

**DO NOT:** Place on an unstable or inclined surface

**DO NOT:** Stand other equipment on top of the amplifier

Never block the ventilation holes or stand directly on a carpet

### **ACCESSORIES SUPPLIED**

Guarantee Card

Instruction book

IEC mains lead



The SF-200 is in conformity with the EMC directive and low-voltage directive.

### **UNPACKING**

Your amplifier should reach you in a substantial protective carton. On unpacking please examine the unit for signs of prior use or damage. Check that all the front panel controls function mechanically. The following items should also be in the carton:-

- (1) AC power lead with pre-molded IEC straight connector and plug.
- (2) Owners registration card which should be completed and the bottom section removed and returned to us.

### **RECYCLING**

This products packaging materials are recyclable and can be reused. The product and the accessories packed together are the applicable product to the WEEE directive except batteries. Please dispose of any material in accordance with your local recycling regulations. When discarding the unit, comply with your local rules and regulations. Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulation concerning chemical waste.

## INSTALLATION - IMPORTANT

There are two points that must be considered carefully when installing your amplifier.

- 1) Adequate ventilation.
- 2) Proximity to low level gain stages and magnetic tape recorders.

We recommend a clearance of 5cm (two inches) either side and above the unit. This will allow a free circulation of air when situated in an open-back cabinet. Never stand equipment on top of the amplifier. The amplifier should be kept away from any heat sources such as direct sunlight or radiators.

We recommend that the amplifier should be switched off when not in use.

## CONNECTING TO A MAINS SUPPLY

Before connecting your amplifier to a mains supply ensure that the mains voltage rating on the inspection ticket and packing carton is the same as your countries supply. Connection to the mains is via the AC cable supplied with your amplifier and connects to the mains input socket at the back of the amplifier.

## MAINS CABLES AND POWER SUPPLIES

We do not recommend the use of specialist mains blocks or power supplies as this can degrade the sound quality and reduce the dynamic range of your amplifier.

## SIGNAL CONNECTIONS

Always ensure that your amplifier is switched off before any connections are made to associated equipment. We recommend that good quality cables and plugs are used with your Stemfoort amplifier. Your retailer or Sugden Audio can advise you on cables that offer good performance and match Sugden products.

### Loudspeakers

Loudspeaker connections are made via the gold plated multi-way binding posts at the rear of the amplifier these are marked R (right) and L (left) for identical connection to your loudspeakers. Both left and right speakers have a positive (+) and negative (-) connection which are also for identical connection to your loudspeakers. We recommend loudspeakers of 4 -8 ohms impedance should be used with your amplifier.

If bi-wiring please follow the instructions supplied by the manufacturer of your loudspeaker carefully, incorrect wiring can damage your amplifier or blow channel fuses.

### Input Signals

All input connections are via standard RCA type gold-plated phono sockets. The inputs are clearly marked left and right for identical connection to your source components. The input sensitivity of your amplifier makes it suitable for connection to any line-level component. These include CD Player, Tuner, SACD/DVD-A player, streamer etc.

### Output Signal

- 1) Tape Output - This is a fixed output and is live at all times supplying an output suitable for the tape-In of a recorder or external headphone amplifier. This allows a tape recording to be made of the input you have selected from the input selector switch on the front of your amplifier.

### Volume control

The volume control adjusts the power delivered to the loudspeakers and hence controls listening level. Zero volume is at fully anti-clockwise position or 'six 'o' clock'. A high quality motorised volume control has been selected for your amplifier and this can be operated from a Sugden RC5 System control.

### Input Selector

The input selector switch is located in the centre of the amplifier when viewed from the front. There are five inputs, with the selector switch turned clockwise you are at input one. Fully anti-clockwise is input five. The switch requires a minimum amount of effort to rotate and should not be forced. The switch will rotate 45 degrees either side of its central detent at '12 o'clock'. All inputs are relay switched so the sound will be muted momentarily between switching inputs.

### **Additional information**

The Stemfort SF-200 has a sophisticated protection circuit that will protect your amplifier from incorrect signal inputs. If the loudspeaker outputs suffer a short circuit this may cause the channel fuses to fail. The protection circuit will require a few second to reset and whilst in protection mode the ready indicator will not be visible.

### FUSES-Replacement should be carried out by a suitable technician

Should a fuse blow this is usually an indication that a fault exists. It is important that the cause of the fault is determined and rectified before replacing a fuse. If in doubt consult your local dealer or our distributor for assistance. All fuses used in Sugden equipment have the specification on them. NEVER bypass any fuse in your amplifier. NEVER replace a fuse with one of a different specification or value.

### HT FUSES

There are two fast blow 2.5 AMP fuses located on each of the power board modules. These protect the amplifier from a short circuit on the loudspeaker outputs or over load.

### MAINS FUSE

The mains Fuse is located at the rear of the amplifier and is externally accessible. It is combined in the mains input socket together with a spare fuse of the correct value.

### Outline specification

Power output	100 Watts per channel
Both channels working	
Input sensitivity	350mV
Bandwidth	6Hz – 120kHz