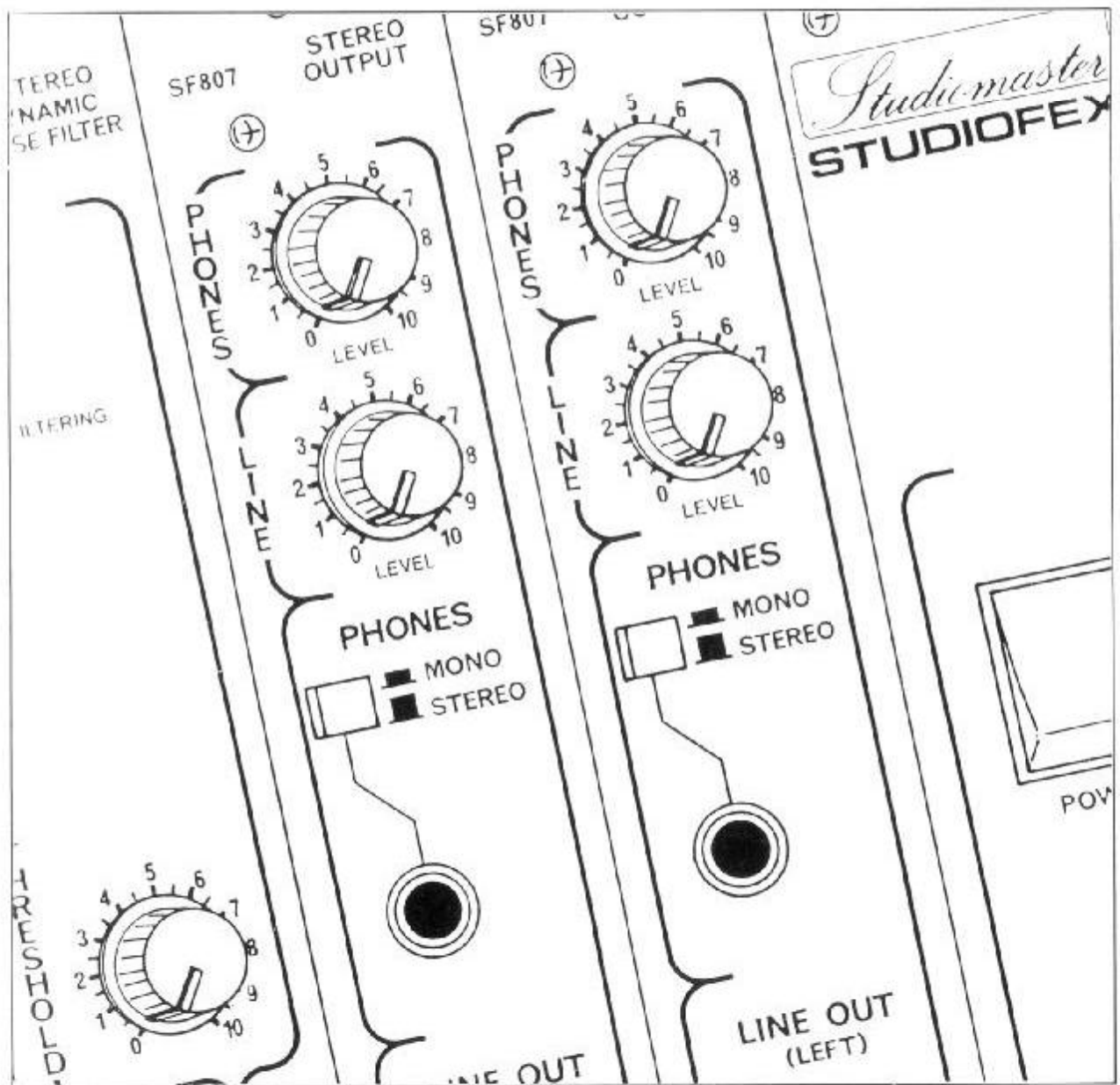


Studiomaster Studiofex SF807

Stereo Output



Owners Manual

SF807 Stereo Output

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STUDIOFEX is a fully modular studio effects system which brings together both the features and the performance which today's music demands. To get the best from the **STUDIOFEX SF807 STEREO OUTPUT**, familiarise yourself with all of its features by reading these instructions thoroughly.

Please also read the instructions which are supplied with the STUDIOFEX MOTHER UNIT.

Function

The **STEREO OUTPUT** is an amplifier with variable gain and an extremely low output impedance which allows the Studiofex system to drive almost any input without having to be concerned with level and impedance matching. The headphones output will drive any type of headphone with an impedance between 8ohm and 600ohm.

Features

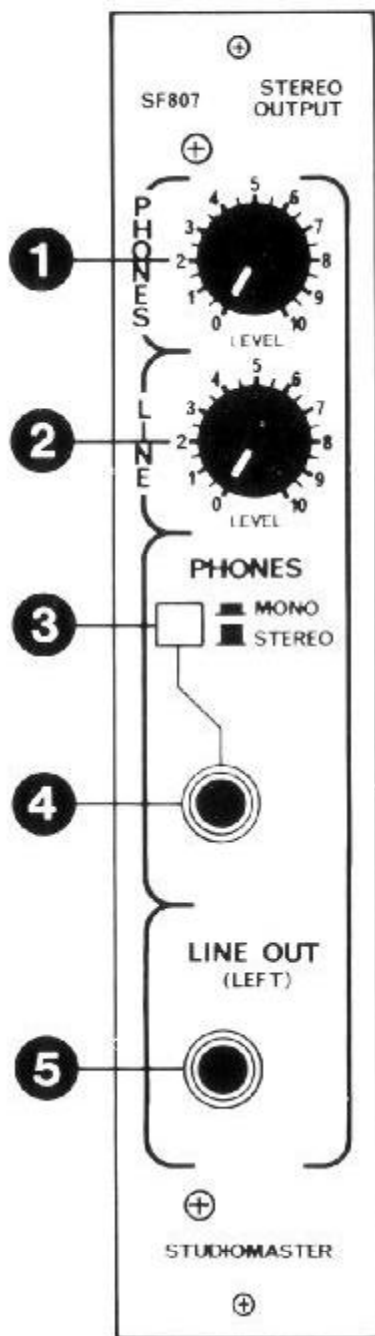
FRONT (see FIG 1)

- 1 The **PHONES** control sets the headphones volume.
- 2 The **LINE** level control sets the gain to the **LINE** outputs.
- 3 The **MONO/STEREO** button selects whether the headphones output monitors both **STEREO** channels, or just the left channel in **MONO** to both sides of the headphones.
- 4 **PHONES** output jack socket.
- 5 **LINE** (left) front panel jack socket.

REAR (see FIG 2)

- 6 **LEFT** channel **INPUT** jack socket.
- 7 **RIGHT** channel **INPUT** jack socket.
- 8 **LEFT** channel **OUTPUT** jack socket (also available at the front panel **LINE** socket).
- 9 **RIGHT** channel **OUTPUT** jack socket.
- 10 Module identification label.

All jacks are wired Tip = Signal, Sleeve = Ground, with the exception of the **PHONES** jack socket which is wired Tip = Left, Ring = Right and Sleeve = Ground.



Front

Fig 1

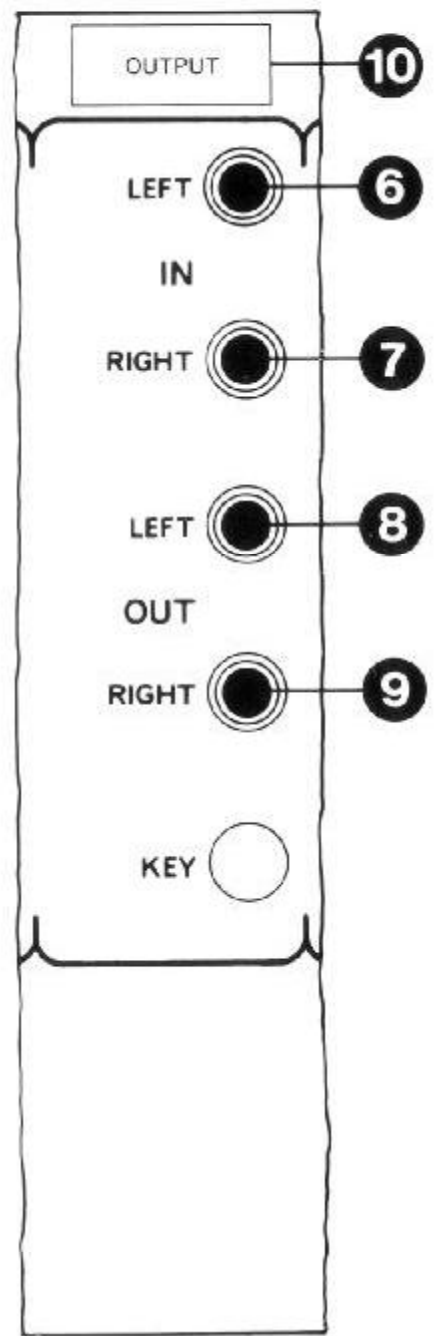


Fig 2

Operation

MODULE IDENTIFICATION

A sheet of labels is supplied. Cut the OUTPUT name from the label sheet and stick it above the module's jack sockets at the rear of the mother unit (as shown in FIG 2 - 10).

INSTALLATION

To install the SF807 STEREO OUTPUT module into the mother unit, firstly make sure that the power is switched off. Then locate the circuit card of the module squarely into the top and bottom guide slots at the desired position in the mother unit. Gently slide it in. If the module comes to a stop part of the way in, gently move it from side to side so that the rear of the card is guided into the rear guide slots. Now push it fully in. If resistance is felt at this stage, remove the module, and check that the wafer connector has not become damaged. Once the module's front panel is located flush with the front of the mother unit, fix it in place with special posidrive screws supplied with it. The bushes into which the screws are fitted are initially unthreaded, so when first used, some resistance will be felt as the special screws cut a thread.

NOTE: Make sure the screws go in straight. DO NOT overtighten. Use only the screws provided: STUDIOMASTER PART No FX07018.

CONNECTIONS

The mother unit incorporates a signal routing system which routes the output from a module to the input of the module to its right. The modules are therefore permanently connected in a "daisy-chain" fashion. The SF807 STEREO OUTPUT is necessarily the last module in the chain, although the routing system signal would

still be passed on to any module to its right in the mother unit. This allows several SF807s to be used in one mother unit to form a headphone distribution system.

Both inputs are available at the rear of the SF807 but, if the routing system is being used as normal then no connection needs to be made to these. Any signals on the left of the SF807 in the mother unit will thus be gain corrected and passed to its LINE outputs, although the routing system signal is still passed on unaffected to any module to the right of the SF807. The front panel LINE output socket carries the same signal as the rear LEFT OUTPUT socket.

SIGNAL LEVELS

The Studiofex SF807 STEREO OUTPUT has been designed with adequate headroom for operation at +4dBm, but has sufficient dynamic range and gain to allow for operation at -20dBm or less.

POSITION IN THE MOTHER UNIT

The SF807 is clearly best placed at the extreme right of the mother unit so that it collects the outputs from any modules using the routing system. If the modules are used in groups however, the user may wish to place an SF807 to the right of each group, giving each group of effects low output impedance with variable gain.

In Use

The user will find the STEREO INPUT and OUTPUT modules useful for interfacing with mixing console insert points, where the insert point send (output) can be patched into the STEREO INPUT, processed by Studiofex, and returned from the STEREO OUTPUT to the insert point return (input). The level into the Studiofex system is then adjusted by the gain control and displayed on the SF806 STEREO INPUT LED meter, and the SF807 STEREO OUTPUT determines the line gain returned to the mixing console. As many STEREO INPUTs and OUTPUTs as necessary may be used. Signals into Studiofex may also be taken from auxiliary master sends or indeed from the main outputs.

Almost any type of headphones can be plugged into the front panel socket, the listening level being set by the PHONES control, completely independently of the LINE control. The MONO/STEREO button associated with the PHONES output enables the user to select either full stereo operation, or mono operation where both headphone channels monitor the LEFT input.

Specifications

Frequency Response : 13Hz to 350kHz +/-1dB
T.H.D. : 0.004% (1kHz, 0dBm)
Output Noise Unity Gain : -92dBm (DIN Audio)
Maximum Output Level : +17dBm into 600ohm
Crosstalk : -88dB @ 1kHz
 -76dB @ 1kHz
Gain Adjustment Range : -65dB to +20dB
Headphone Output Power : 100mW into 8/600ohm

Service

Should your **STUDIOFEX SF807 STEREO OUTPUT** develop a serious fault, **DO NOT** attempt to rectify it yourself. Service work should only be carried out by qualified and experienced Service Engineers.

For this work to be done, consult the dealer from who you purchased your **SF807** or alternatively contact the Service Department at the address below:

The Service Department

STUDIOMASTER
Studiomaster House
Chaul End Lane
Luton
Bedfordshire LU4 8EZ
ENGLAND

TEL: 0582 570621
INTERNATIONAL TEL: +44582 570621
TELEX: 825612 STUDIO G
FAX: 0582 570242
INTERNATIONAL FAX: +44582 570242

Or in U.S.A. and Canada:

STUDIOMASTER INC.
1340-G Dynamics Street
Anaheim
CA-92806
U.S.A

TEL: (714) 524 2227
FAX: (714) 524 5096

The contents of this manual are correct at the time of going to press. The manufacturer reserves the right to change specifications and features without prior notice.

STUDIOMASTER

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