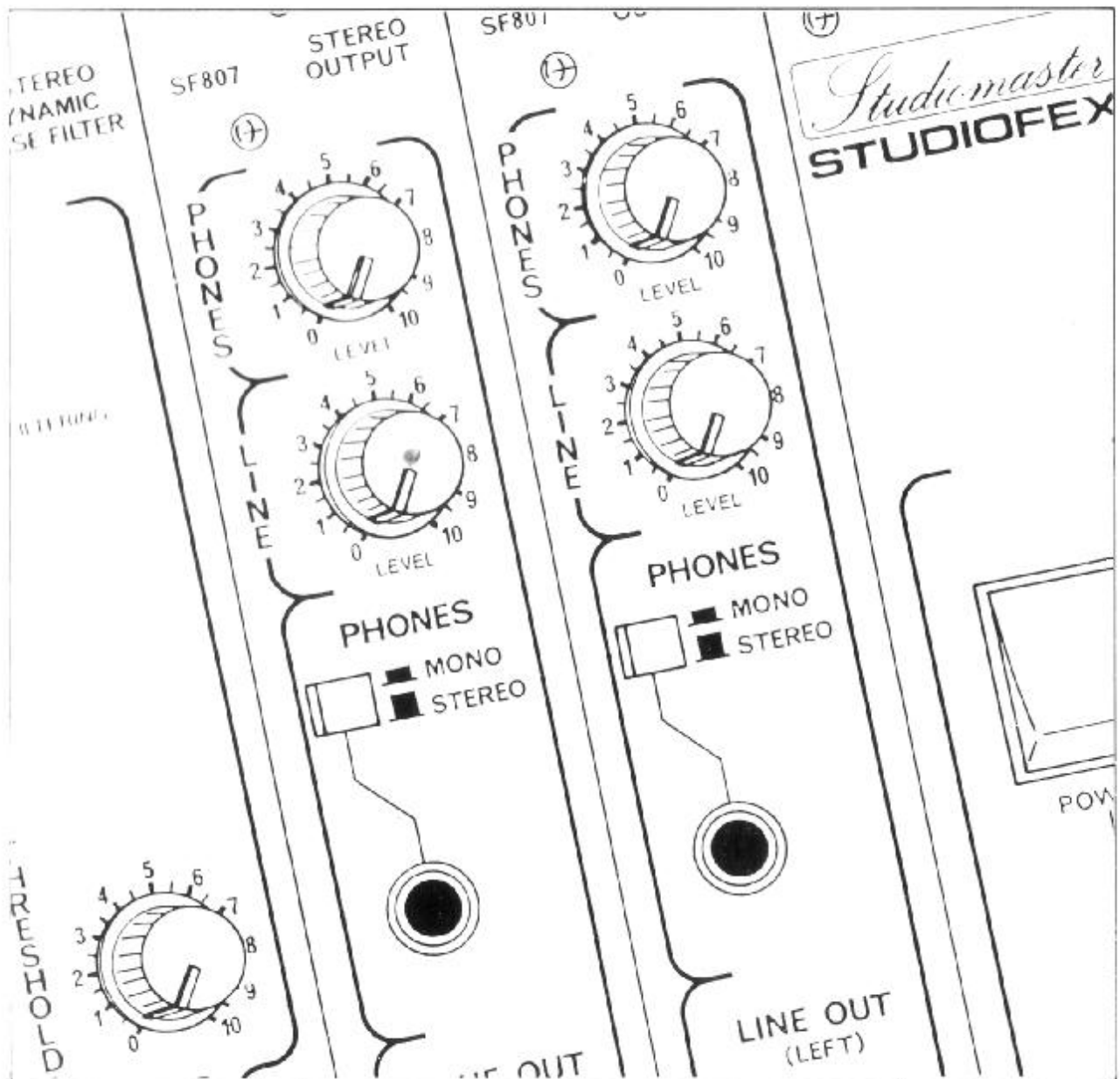


# Studiomaster Studiofex SF806

## Stereo Input



# Owners Manual

# *SF806 Stereo Input*

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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 SF806 STEREO INPUT, 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

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The STEREO INPUT interface is an amplifier with variable gain and an extremely high input impedance which allows almost any signal source to be interfaced with the Studiofex system without having to be concerned about level and impedance matching. The level meter gives a visual indication of the signal level sent to the Studiofex routing system.

# Features

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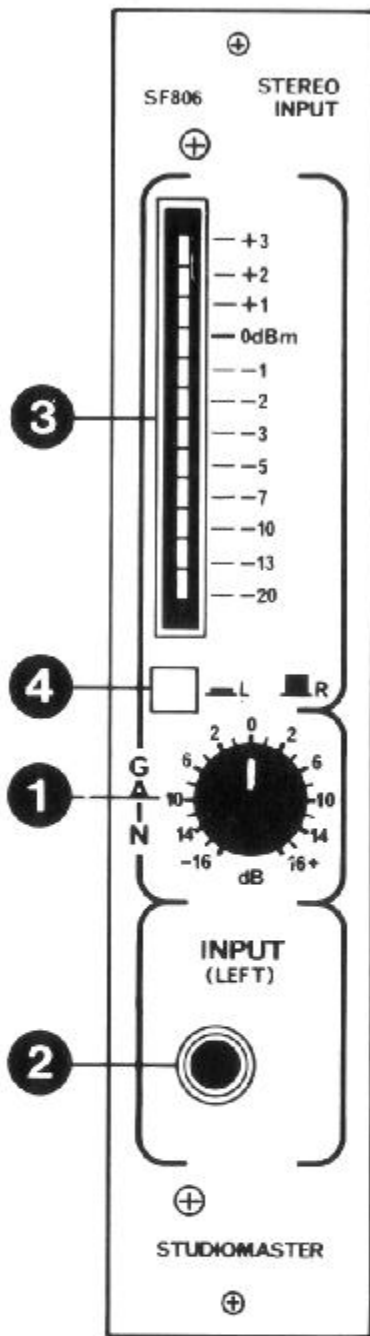
## FRONT (see FIG 1)

- 1 The GAIN control sets the degree of amplification.
- 2 The (left) INPUT jack socket allows front panel input access.
- 3 The bargraph LED LEVEL meter shows the signal level sent to the routing system.
- 4 The METER L/R button selects whether the meter monitors the LEFT or RIGHT channel signal.

## REAR (see FIG 2)

- 5 LEFT channel INPUT jack socket, which is overridden by the front panel INPUT socket.
- 6 RIGHT channel INPUT jack socket.
- 7 LEFT channel OUTPUT jack socket.
- 8 RIGHT channel OUTPUT jack socket.
- 9 The KEY BUS socket gives access to most module KEY inputs.
- 10 Module identification label.
- 11 Key bus label.

All jacks are wired Tip = Signal, Sleeve = Ground.



Front

Fig 1 Rear

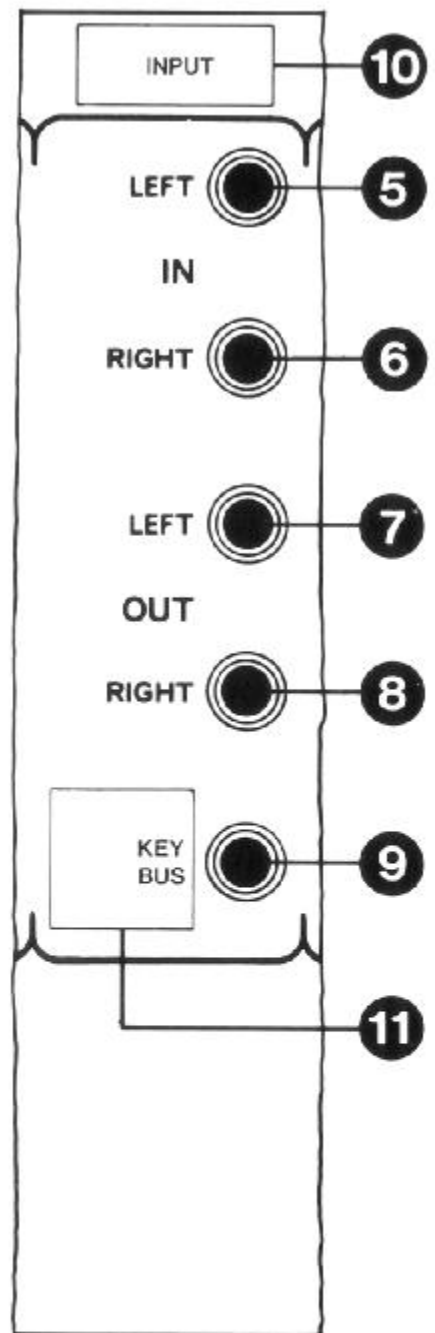


Fig 2

# Operation

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## MODULE IDENTIFICATION

A sheet of labels is supplied. Cut the INPUT 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). The "KEY" printing on the rear of the mother unit must be covered by the Key Bus Label (FIG 2 - 11).

## INSTALLATION

To install the SF806 STEREO INPUT 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

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a "daisy-chain" fashion. The SF806 STEREO INPUT is necessarily the first module in the chain, so any signal applied to the left of the STEREO INPUT will not be routed.

Both outputs are available at the rear of the SF806 but, if the routing system is being used as normal then no connection needs to be made to these. Any stereo signal connected to the rear INPUTs of the SF806, or a mono signal connected to the front panel INPUT socket will thus be gain corrected by the SF806, and sent to the module to its right. The signal then passes on through the mother unit where it can ultimately be extracted at the rightmost module's outputs. Any processing in between can be implemented by depressing the appropriate IN/OUT buttons throughout the Studiofex system, with no need for any re-patching.

#### POSITION IN THE MOTHER UNIT

The SF806 is clearly best placed at the extreme left of the mother unit so that its outputs are available to all the modules to its right. If the modules are used in groups however, the user may wish to place an SF806 to the left of each group, giving each group of effects high impedance and variable gain.

# *In Use*

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The GAIN control would normally be adjusted for an average operating level of about 0dBm, which is an optimum level leaving plenty of headroom. When the control is at "0", the gain is unity, allowing the LED meter to be used for checking levels anywhere throughout the Studiofex system. The LED meter can also be used to check the output level of external equipment by connecting the equipment to an SF806 INPUT and turning the GAIN control to "0".

The SF807 STEREO OUTPUT performs a complementary function by collecting the routing system signal at the right-hand end of the mother unit. This presents a low impedance line driving output to a front panel socket with variable gain for a headphone output.

# *Specifications*

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Frequency Response : 10Hz to 80kHz +/-1dB  
T.H.D. : 0.006% (1kHz, 0dBm)  
Equivalent Input Noise : -94dBm (DIN Audio)  
Residual Noise : -98dBm (DIN Audio)  
Maximum Output Level : +17dBm into 600ohm  
+21dBm into 10kohm  
Input Impedance : 1Mohm  
Crosstalk : -86dB @ 1kHz  
-68dB @ 10kHz  
Gain Adjustment Range : +/-16dB







# *Service*

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Should your STUDIOFEX SF806 STEREO INPUT 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 SF806 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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Beds, LU4 8EZ. Tel: (0582) 570370 Fax: (0582) 570242  
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STUDIOMASTER INC., 1340-G Dynamics Street, Anaheim,  
CA 92806. Tel: (714) 524 2227 Fax: (714) 524 5096