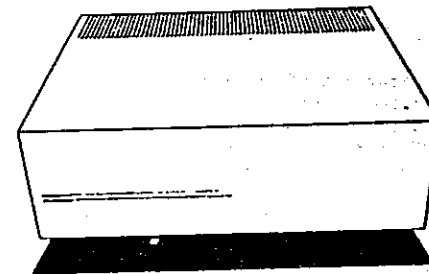


BOOTHROYD STUART  
**MERIDIAN**



**INTRODUCTION**

The unit you have acquired is part of a new generation of hi fidelity products. It is the result of a continuous development of our philosophy to provide technical excellence and flexibility without frills. This Amplifier contains several important technical innovations which are the subject of registered designs and patents.

Please do read these short instructions which are provided for your satisfaction and safety. Should you have any difficulty in operating this product please contact your dealer or, if in the UK, our customer service telephone number is (0480) 57339.

This product is guaranteed against faults in materials or construction for one year from the date of purchase. This guarantee is not valid if internal seals are broken or the product is serviced by anyone other than our appointed agents.

**MERIDIAN TWO CHANNEL POWER AMPLIFIER.**

**7. CLEANING**

This Meridian Amplifier is coated with a 'neoprene' finish which can be cleaned with a barely damp cloth. Stains should be removed with a sparse amount of household detergent (washing up liquid) or meths. DO NOT ATTEMPT TO CLEAN THE PRODUCT WITHOUT DISCONNECTING THE POWER CABLE. DO NOT LET ANYTHING FALL INTO THE COOLING GRILLES.

Keep the packing material so that, in the event that the equipment requires service it can be safely returned to us at:

BOOTHROYD STUART LTD.,  
13 CLIFTON ROAD,  
HUNTINGDON,  
CAMBRIDGESHIRE.  
PE18 7EJ.

TELEX 32577  
TELEPHONE (0480) 57339

**8. PRECAUTIONS**

DO NOT COVER OR PARTIALLY COVER THE COOLING VENTS. DO NOT UNSCREW ANY COVERS. THERE ARE NO USER SERVICEABLE PARTS INSIDE.

## 1. TECHNICAL FEATURES.

This power Amplifier features a circuit which has been developed during eight years of continuous improvement. Each circuit is powered by a specially designed high speed switch mode supply operating at 33 KHz. A version of non switching Class A circuitry has been used for the amplification. The unit can be used as a conventional stereo Power Amplifier in which form it will provide approximately 70W into 8 ohm load. It can also be used, in bridged mode in which form it will provide approximately 200W into 8 ohm. It is ideally matched to the Meridian Component Preamplifier System details of which are available from Boothroyd Stuart Ltd...

## 2. VOLTAGE AND POWER CONNECTIONS.

Check that your amplifier is set for the correct supply voltage. This is always set for operation between 220V and 250V unless marked otherwise on the carton or on the rear panel label.

The removable power cord supplied may need a plug to be fitted. If so, connect the Brown wire to the L (live) terminal, the blue wire to the N (Neutral) terminal and the Green/Yellow wire to the E (Earth) Terminal of your mains supply plug. If the plug is fused, the fuse rating should be 5A. The unit is Double insulated and may be operated from a two wire mains system. Fit the power cord into the socket on the rear.

## SWITCHING ON.

The amplifier is provided with a mains isolating switch at the back. When used with MERIDIAN modular pre-amp (or amplifier MCA1) this switch would normally be left in the ON (stand-by) position, when the yellow indicator will light.

Either 3.5mm jack socket at the back. (REMOTE SWITCH) accepts the TRIGGER lead supplied (part no: 644603) which, when plugged into MERIDIAN MODULAR CONTROL UNITS (or MCA1) provides on/off switching from the control unit. In the ON position both STANDBY (yellow) and ON (red) indicators will light.

Inserting the TRIGGER lead, means that the amplifier cannot be operated until the TRIGGER signal is received from the pre-amp (or MCA1).

## 3. OUTPUT STEREO OPERATION.

The outputs of the power Amplifiers are via the 4mm red and black sockets on the rear panel. The amplifier is suitable for use with 8 ohm Nominal Impedance Loudspeakers. DO NOT SHORT THE OUTPUTS TOGETHER OR COMMON THE GROUNDS (BLACK CONNECTIONS).

## 4. OUTPUT CONNECTIONS: BRIDGED OPERATION.

The balanced input of the MERIDIAN 70 watt stereo amplifier lends itself ideally to BRIDGING. In the bridged mode, the stereo amplifier is wired so that both channels combine with one input to provide a more powerful (mono) amplifier. Two units are therefore required for stereo operation.

### Bridged Output

**IMPORTANT** Bridging necessitates an output load NOT lower than 8 ohms nominal.

**Connections** The output is taken from the two RED 4mm sockets NO connections should be made to the two BLACK 4mm sockets.

## 5. SIGNAL INPUT CONNECTIONS

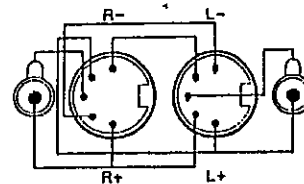
See diagrams above 1,2,3,4 and 5.

Signal input to the amplifiers is via DIN sockets or RCA phono sockets on the rear panel.

## 6. VENTILATION

There are vents underneath and at the rear and top of the unit. Damage will result if these vents are blocked in any way so the unit must stand on a flat hard surface. Should the amplifier overheat, internal sensors will shut it down and it will remain in STANDBY. Do not site the amplifier in direct sunlight or over radiators. Do not stand the amplifier on carpets or cloth. Do not stack one amplifier upon another.

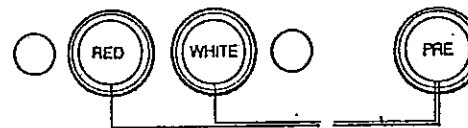
Diag. 1 Mode 70W Stereo, Balanced Input



Diag. 2

Using supplied lead (STEREO) part no: 644601

Connection to MERIDIAN MODULAR AMP & PREAMP



Diag. 3.

Connection to non-Meridian preamps, Conventional (unbalanced), via DIN lead.



L pin 1 & 3 (screen)  
R pin 4 & 5 (screen)

Diag. 4

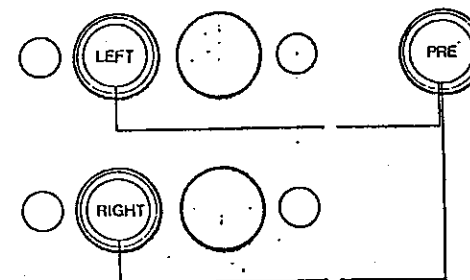
Connection to preamps having RCA Output



**IMPORTANT:**

When connecting via phono input sockets it is important to insert a shorting DIN plug into each DIN socket having pin 3 & 2 connected together.

Diag. 5 Bridged Mode



Connection to MERIDIAN Modular Amp or pre-amp,

using BRIDGING LEAD part no: 644602 (accessory)