

Marshall

SERIES
90000

9004 Stereo
Pre-Amplifier
Handbook

Please read this instruction manual carefully before switching on.



Connection Diagram

Introduction

I would like to thank you personally for selecting the 9004 stereo pre-amplifier.

Since 1962 my company has been committed to the design and manufacture of the finest amplification systems possible.

Every effort has been made to ensure that each new demand, from the guitarists of the day, has been met by the introduction of new equipment capable of fulfilling those demands at every level.

Many modern systems have incorporated 19" rack devices to achieve the extra sound flexibility required today. As a result, our specialist designers developed the acclaimed Series 9000 rack range, to cater especially for this new area of amplification.

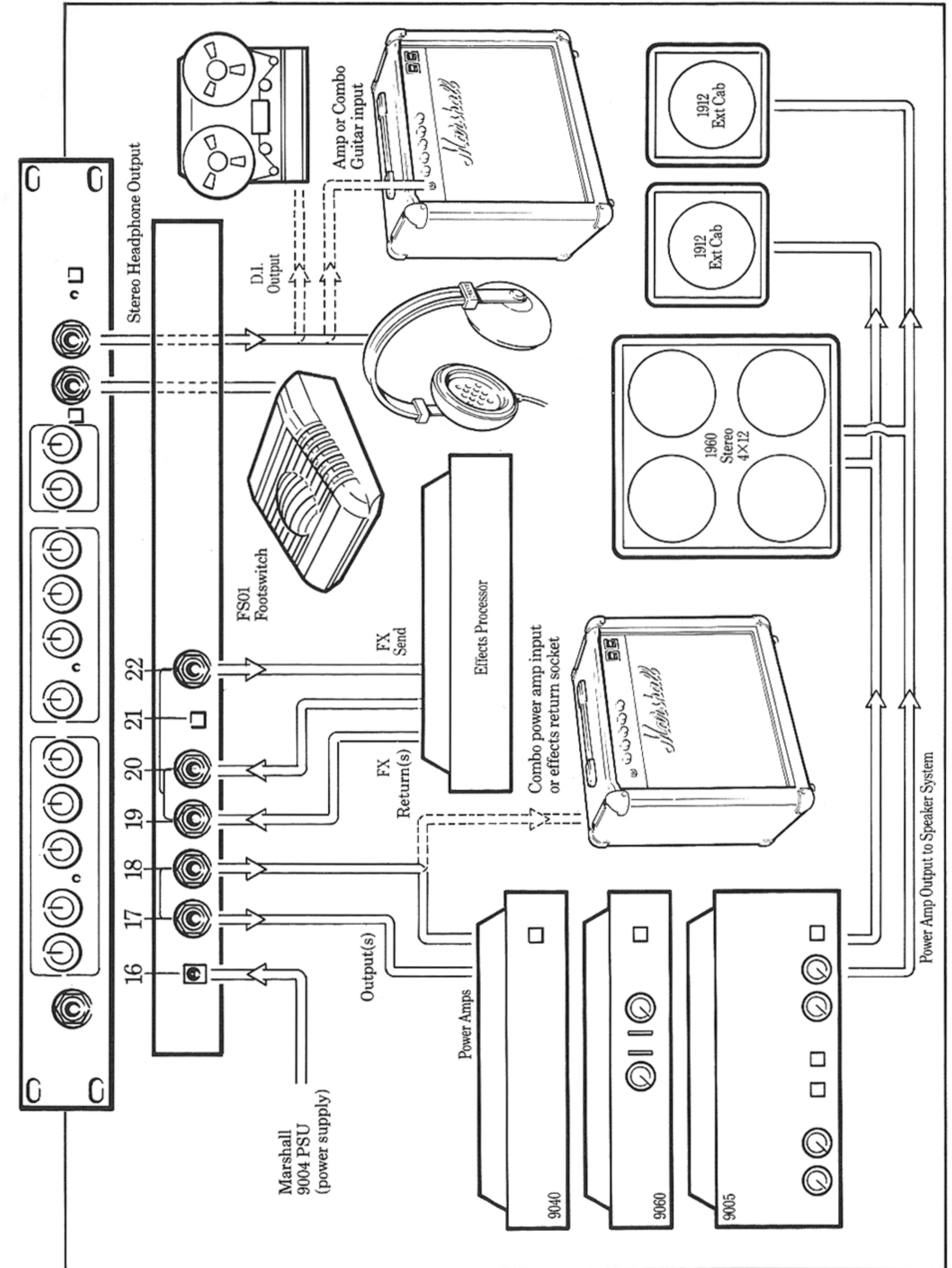
Now this same design team have created the 9004. Innovative solid state circuitry and all the specialised knowledge gained from the production of the Series 9000, were combined to create the outstanding features and flexibility of this pre-amplifier.

Our traditional reliability and component quality have been firmly upheld in order to give you the best possible performance and value, the hallmarks of all Marshall products.

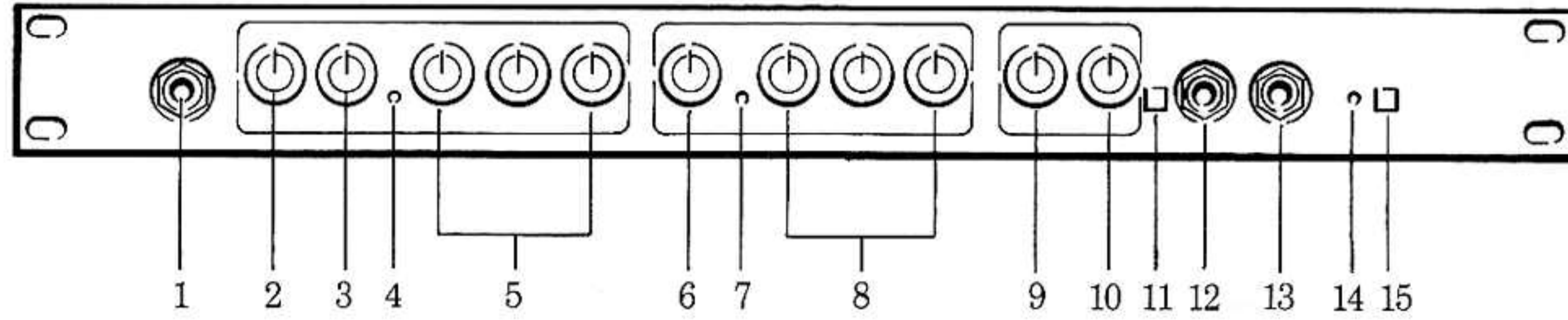
Please be sure to read this handbook carefully before operating your 9004.

Again, thank you sincerely.

Managing Director

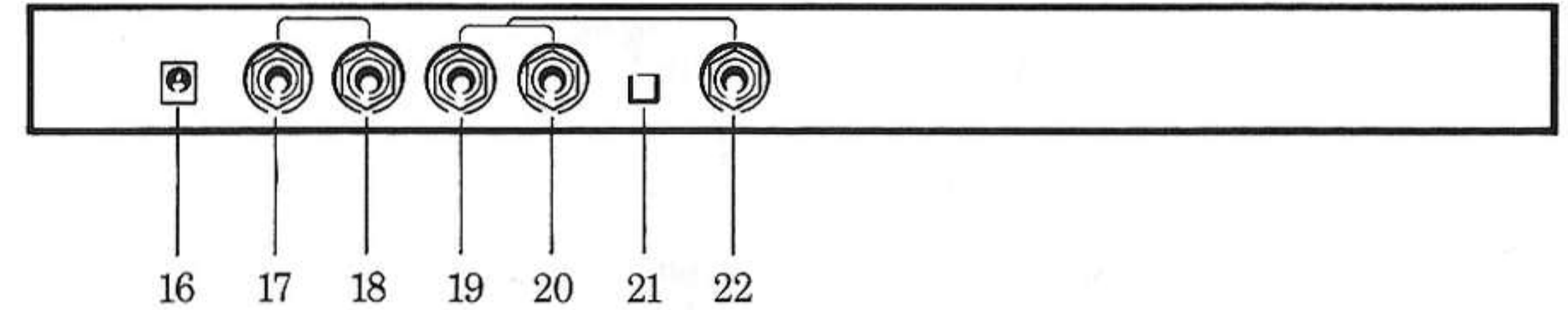


Model 9004 Front Panel Functions



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|---|--|--------------------------------|--|
| 1. Input Jack | Connects the instrument to the pre-amp. | 9. Effects Mix Control | Controls the balance of effects to dry signal. Fully counter clockwise gives dry signal only. Fully clockwise gives effects signal only. Mid-way gives equal balance. |
| 2. Lead Channel Gain Control | Controls the lead channel gain. Lower settings give cleaner sounds with progressively greater overdrive as the gain is increased. | 10. Master Volume | Controls the overall volume of the pre-amp |
| 3. Lead Channel Volume Control | Controls the volume level of the lead channel and provides the player with the ability to balance the lead and rhythm channel volume levels. | 11. Channel Select Push Switch | Manual push control for channel switching. |
| 4. Lead Channel L.E.D. | Indicates red when the lead channel is selected. | 12. Footswitch Jack | For connection of the remote footswitch (model FS01 and FLM04 lead). Connection of a footswitch disables the Panel Switch. |
| 5. Treble, Middle & Bass E.Q. Controls | Rotary equalisation controls for wide ranging tonal variation. These controls are highly interactive therefore experimentation is necessary for optimum sound selection. | 13. Headphone/DI Output | Filtered stereo jack socket for the connection of headphones for practice sessions. (Also provides a signal suitable for linking directly to recording equipment or external amplification equipment.) |
| 6. Rhythm Channel Volume Control | Controls the volume level of the rhythm channel. Maximum settings will provide overdrive for crunch rhythm sounds. | 14. Power on L.E.D. | Indicates red when the power is switched on. |
| 7. Rhythm Channel 'ON' L.E.D. | Indicates red when the rhythm channel is selected. | 15. Power Switch | Push switch for power on/off. |
| 8. Rhythm Channel Treble, Middle & Bass E.Q. Controls | Rotary equalisation controls for tonal variation on the rhythm channel. | | |

Rear Panel Functions



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|-------------------------------------|---|
| 16. Mains Adaptor Input Socket | For the connection of the remote power supply provided (N.B. Always ensure that only the Marshall power supply is used). |
| 17. Right Output Jack | Provides the output signal to the right channel when using the 9004 in stereo mode. |
| 18. Left/Mono Output Jack | Provides the output signal to the left channel when used in stereo or the full output signal when in mono mode. |
| 19. Effects Return Jack (Right) | For connection to an external stereo effects processor output jack (right signal). |
| 20. Effects Return Jack (Left/Mono) | For connection to an external stereo effects processor output jack (left signal). Also provides the effects return for mono effects processors. |
| 21. Effects Loop Level Switch | Push to select effects loop level (0dB or -20dB) for matching external effects processor signal level. |
| 22. Effects Send Jack | Output jack for linking to the input of external effects processor. |

Operational Functions

Connections

Connect the Marshall power supply provided to socket (16) before switching on your 9004. Use of any other power supply could lead to inferior sound quality or damage to the unit.

Connections from the rear panel should be made from outputs (17) and (18) for a stereo amplification system or from (18) only to drive a mono power amp.

Direct linking to mixer, home recording device or headphones should be made from stereo jack socket (13). This output also provides a suitable signal to drive the input of a normal amplifier or combo. In this manner, all the facilities of the 9004 can be used through an existing set-up of any kind.

Effects Linking

Where stereo effects processors are utilised, connections should be made as follows: From the L and R outputs of the processor to jack sockets (19) and (20) and from jack socket (22) to the input of the processor.

Where mono effects are used, the output from the effects unit should link to jack socket (20) only, with the input linked to jack socket (22) as before.

The effects level switch (21) should generally be set at 0dB for rack type processors and to -20dB for 'floor' type pedals.

Mixing the overall effects to dry signal is achieved using control (9) on the front panel.

Rhythm Channel

This channel provides predominantly clean sounds using control (6) for level and EQ controls (8) for tone shaping.

A certain amount of overdrive can be achieved by turning the volume control (6) to maximum and boosting the EQ (8) as necessary.

A wide selection of sounds are contained within this channel so it is advisable to spend some time familiarising yourself with the control functions to create **your sound**.

The Lead Channel

Lead Channel possibilities are also very wide ranging. The gain control (2) provides the amount of input drive with lower settings giving only slight distortion, medium settings giving fat, bluesy sounds and maximum level for all out overdrive.

Overall lead channel volume is adjusted by control (3) which also allows a balance between the lead and rhythm channels to be set.

Master Volume

The Master Volume controls the overall output level of the pre-amp is particularly important when linking to other amplifier inputs from the 9004 Headphone/DI socket.

Too much master level will give unwanted distortion and too little will not provide enough drive.

With amplifier models that feature high and low inputs best results are achieved in linking to the low level input.

In order to check that the input signal from the 9004 to the amp is not too strong, the 9004 clean channel and the amp-clean channel should be selected. The 9004 master volume will probably need to be set between positions 3 to 5. When the guitar is played, the sound should remain clear.

If there is a degree of unwanted distortion, then the 9004's master volume should be reduced until the distortion clears.

In this way all the 9004's facilities will now work through your amplifier.

The correct setting will differ, depending on the amplifier being used. Therefore some experimentation will be necessary for your own optimum sound settings.

Power Amps

For stage performance, your 9004 may be used to drive power amplifiers of either mono or stereo configurations.

When using a stereo system connections should be made from jack sockets (17) and (18) to the power amp right and left inputs.

If a mono power amplifier is used, jack socket (18) provides the full output signal and links to the power amp input.

Further amps may be linked where greater power levels are required. The flexibility of the system allows set-ups of any power level to be built depending on the size and type of venue being played.