Marshall
AMPLIFICATION

RF-1 Reflector

RF-1 REFLECTOR REVERB

Owners Manual

Reflector Suggested Settings

HALL (Amp: Clean)

PLATE (Amp: Clean)

ROOM (Amp: Clean)

SPRING (Amp: Clean)

Marshall
FXPEDALS

From The Chairman

I would like to personally thank you for selecting one of our effects pedals.

For over 40 years the Marshall name has been synonymous with the greatest guitar tones in music. We have worked hand in hand with guitarists from all levels throughout the world to maintain and improve that special ingredient, 'The Marshall Sound.'

Our range of effects pedals gives the opportunity to augment the classic Marshall tone to add Marshall character to a guitar set-up.

All our pedals are made with the same utmost attention to quality, in both materials and manufacture as our world renowned amplifiers, cabinets and combos, in order to provide you with optimum reliability and tone.

I would like to wish you every success with all of your musical endeavours and also your new Marshall effects pedal, which I am sure you will find a pleasure to play for many years to come.

Yours Sincerely,

WARNING!

IMPORTANT Precautions

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING
Do not expose the apparatus to rain or moisture. Do not expose the apparatus to dripping or splashing. No objects filled with liquids should be placed on or near the apparatus. Do not use this apparatus near water.

Clean only with dry cloth.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by Marshall Amplification plc could void the user's authority to operate the equipment.

Heed all warnings.
Follow all instructions.
Keep these instructions.

European Product Only CE

ENGLISH

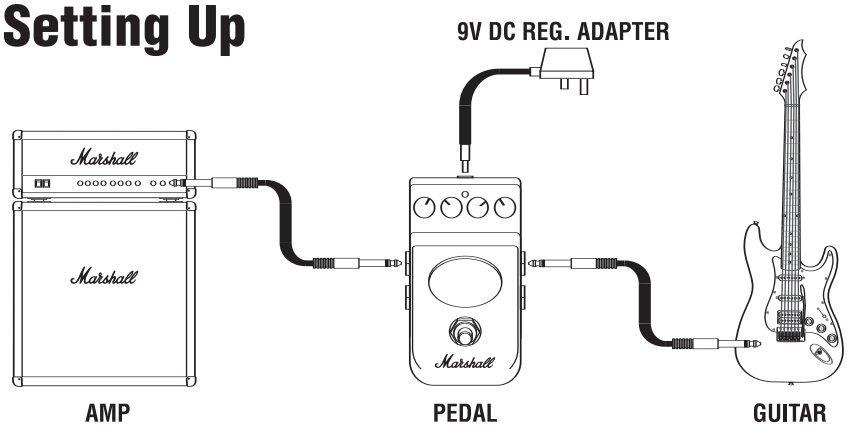
Introduction

The Reflector pedal is a stereo reverb pedal offering a maximum delay time of 2000ms. From a spacious hall to the sound of a studio plate via the pulsing of a vintage spring, the Reflector recreates six different reverb modes for you to explore giving you full control over the reverb time, damping and level of every mode.

The Reflector's dual outputs offer the choice of using a passive bypass for the main signal path to ensure complete tonal integrity or allowing the pedal to spill-over allowing your reverb tails to naturally die away. Combined the outputs create a stereo reverb effect creating a wide spacious field.

Below is a complete run down of the Reflector's features for your information. We have also enclosed a number of suggested settings to help guide you. It should be remembered that these are only suggested settings and you should really experiment as much as possible.

Setting Up



Always use good quality shielded leads.
Always use 9V regulated DC supply with centre negative rated at 80mA or above.

Although it may seem obvious the first action in achieving a good effected sound (be it duration / compression etc.) is to find the perfect bypassed sound. This will then allow the correct level to be set with the effect unit to allow a cut or boost in volume and a realistic tone.

On clean channels it is advisable to set the gain (or volume) to a setting of no less than one quarter maximum so as not to get unrealistic results due to any volume dependent tonal shaping on the amplifier preamp.

Features

1. 'In' Jack Socket

This is the input jack for connection to your guitar or to the output of another effects pedal when linking pedals together.

2. 'Expression' Socket

An expression pedal can be connected to this socket to control the decay time. Moving the pedal overrides the reverb time setting on the pedal allowing you to increase/decrease the control as you perform.

3. 'Out 1 / Left' Jack Socket - Passive Bypass

Out 1 is connected to a passive bypass circuit. The passive bypass ensures complete tonal integrity by disconnecting the output of the effects circuit when not in operation. When a jack is connected to Out 1 the pedal operates in mono mode.

4. 'Out 2 /Right' Jack Socket - Spill-Over

Out 2 is connected to a spill-over circuit. When the pedal is switched off the reverb tail it has produced is allowed to 'spill' and naturally decay over your playing while the input feeding the effects circuit is switched off. When a jack is connected to Out 2 the pedal operates in mono mode.

When jacks are connected to Out 1 & Out 2 the pedal operates in Stereo mode, the input is dispersed over the stereo field creating an even more spacious reverb. No spill-over is present when the pedal operates in stereo mode.

5. Mode

The Reflector offers six different reverb modes. Selected by switching the mode knob in to one of the six positions.

Hall A large, lush reverb, adding smooth diffuse trails to your playing without letting your tone be swallowed by its wave of sound.

Plate Recreating the sound of a high quality studio plate reverb, bringing space and presence to your tone.

Room A small reverb, wrapping a subtle presence round your sound.

Spring 1 Recreating the classic sound of the spring reverb with it's characteristic pulse and resonant ambience.

Spring 2 Accompanying Spring 1, this mode takes the sound of springs and infuses it with a lush reverb that only a digital pedal could, providing you with the perfect combination of old and new.

Reverse The reverse mode creates ghostly textures as your notes spill backwards out into space, rushing up to your face before melting off into the distance.

6. Reverb Time

Controls the decay time of the reverb tail from no tail (fully anti-clockwise), providing just the initial sense of space, to full decay (fully clockwise), providing long reverb tails trailing off into the modelled space.

7. Damping

Controls the amount of high frequencies that are reflected within the reverb. Fully clockwise all the high frequencies are reflected creating a bright vibrant reverb. Fully anti-clockwise and only a small amount of high frequencies are fed back producing a dark smooth reverb.

8. Level

Controls the level of the overall effect. Fully anti-clockwise gives the least effect and driest (uneffected) guitar signal, while fully clockwise gives the most effected guitar sound.

9. Foot Switch

For switching the Reflector on and off.

10. LED

Indicates when the Reflector is in operation.

11. DC Input

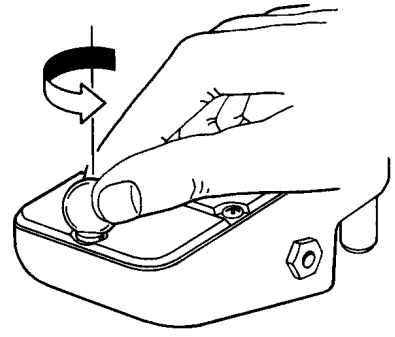
For input of a 9V DC centre negative regulated adaptor should you not wish to use batteries.

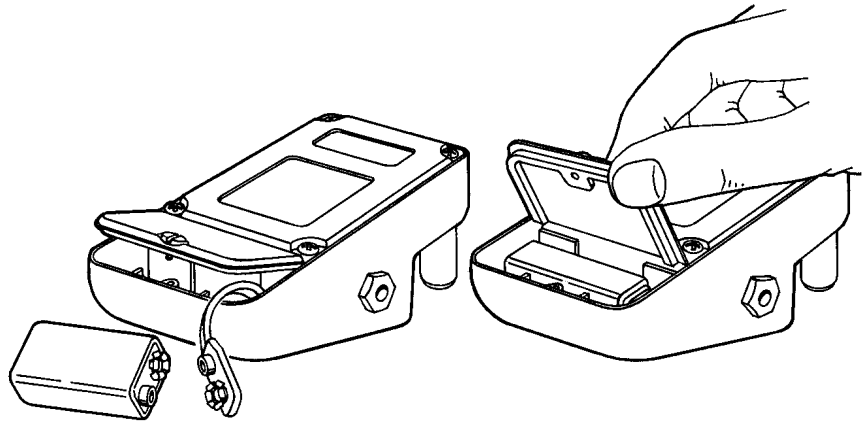
Trouble Shooting

	CHECK BATTERY	CHECK LEADS	CHECK PEDAL CONTROLS	DC INLET	CHECK AMP CONTROLS	CHECK GUITAR
WHAT IF NO OUTPUT	✓	✓	✓	✓	✓	
NOISE IN BYPASS		✓				
INDICATOR LED NOT ON	✓	✓ INPUT LEAD		✓		
SOUND TOO TREBLY OR FIZZY			✓		✓	
SOUND TOO MUSHY OR BASSY		✓			✓	
UNUSUAL FEEDBACK		✓	✓ REDUCE TREBLE		✓ REDUCE TREBLE	✓
UNUSUAL HUM		✓	✓	✓	✓ MOVE AWAY FROM AMP	
BASS FEEDBACK						✓ PICKUPS MAY BE VIBRATING

Battery Replacement

1. To replace the battery, open the easily accessed coin screw battery cover plate by loosening screw as shown, then disconnect the battery connector lead.
2. Use PP3 or equivalent battery (for improved battery life use alkaline type).
3. Always ensure that the battery is removed when the pedal is not in use for long periods.
4. Dispose of old battery in a safe place.





Technical Specification

Power: 9V DC Centre Negative Regulated
Minimum Current Draw: 80mA
Controls: Mode, Reverb Time, Damping, Level
Switches: On/Off Switch
Indicators: On/Off LED
Jacks: 2 Input, 2 Output 'Jack sockets'
Input Impedance: 1MΩ
Output Load Impedance: < 1kΩ
Dimensions: 120mm x 65mm x 55mm
Weight: 510 grammes