

AGE
TECHNOLOGY



*Ray's
Pedals*

STARTUP
LINE





Ray's Pedals

FROM THE CHAIRMAN



We from RGe Technology - Ray's Pedals would like to personally thank you for having purchased one of our effect pedals of the Startup Line series.

This series of circuits for musical instruments has been carefully crafted to offer musicians the greatest amount of parameters that a purely analog circuit could possibly provide.

Our line circuit has been financed by MCT, FINEP through the PRIME program for innovative technology.

We hope our pedal will help musicians to enhance their artistic production and boost their musical creativity.

**STARTUP
LINE**

SAFETY PRECAUTIONS

1. To get the most out of your equipment, please read our operation manual carefully and go to the site www.reyspedals.com for further instructions.
2. You should always seek authorized technical service for maintenance.
3. Do not open your Stompbox.
4. 9V DC Center Negative Regulated is required. Use PP3 or equivalent battery.
5. Unplug the pedal when not using it for an extended period.
6. Do not use the pedal in wet conditions or intense heat.
7. Do not use benzine, thinners, alcohol or solvents of any kind to clean the pedal body.

SETTING UP



SOURCE



ACTIVEFILTER

INTRODUCTION

The ActiveFilter is a compact EQ pedal which disposes of various configurations combined. That way you can control up to eight frequency range by shifting the center frequency of each range.

ActiveFilter is used when you want to equalize the sound of the electric guitar. It is very desirable when you want to modify the sound of another pedal effect. Favorite sounds: Mid - High & Low - Ultra.

FEATURES

1. **Low:** Adjusts the signal level for low frequencies.
2. **LED indicator:** Shows when the circuit is on.
3. **Mid:** Adjust the signal level to midrange frequencies.
4. **High:** Adjust the signal level to high frequencies.
5. **ENFASIS switch:** Emphasizes the pedal equalization in Low | Mid | High.
6. **LEVEL switch:** Controls the pedal amplification in three stages: Normal | High | Ultra.
7. **Input jack:** Connector that receives the cable from the guitar or from another effects pedal.
8. **Output jack:** Connector that receives the cable that goes to the amplifier or to another effects pedal.
9. **Foot Switch:** On | Off the circuit.
10. **Battery Compartment:** Case, in the rear pedal, into which a 9V battery can be inserted.

SWITCH SPECIFICATIONS

ENFASIS Switch:

This **ENFASIS** switch offers the musician three ways to change the configuration of the center frequencies of each filter.

Thus, you can vary which bands of frequencies that are amplified by the active filter. There have been three ways:

1. **Low** – Emphasizes low frequencies
2. **Mid** – Emphasizes midrange frequencies
3. **High** – Emphasizes high frequencies

LEVEL Switch:

The **LEVEL** switch is the volume or amplification control of this pedal. It is possible to make the equalization is strong or is still possible to eliminate unwanted frequencies. For this one uses the normal mode.

1. **Normal** – Flat gain circuit
2. **High** – Gain circuit accented
3. **Ultra** – High gain circuit

The switches combinations are responsible for the large difference between the Ray's Pedals effects and those of their competitors.

Be creative! build up a configuration setting for the sound of your guitar.

TECHNICAL SPECIFICATION

Source: 9V DC Current. J4 Connector with negative centre, 9V alkaline battery

Current Draw: 20 mA

Power: 180mW

Effects number: Nine effects variations
Controls knobs (Low, Mid, High)

Switches: ENFASIS (Low, Mid, High)
LEVEL (Normal, High, Ultra)

Heavy Duty Switches: On | Off Pedal

Indicator: Violet LED (for effect and battery)

Jacks: Jack J10 – Input and output

Input Impedance: 680 K Ω

Output Load Impedance: 1 K Ω

Dimensions and weight: 120x65x35 mm, 440g

Protection device: Protects the pedal in case of reverse voltage being applied (máx = 50V)

Carene e Base: Cover (Stainless AISI304, 2mm) Base (Iron SAE 1005/1008, 1.2mm, powder paint), PVC Anti-Slip, 9V PVC case battery

TROUBLE SHOOTING

	Check Battery	Check cables	Check controls	Check DC Inlet	Check amplifier	Check guitars
No output signal	✓	✓	✓	✓	✓	
Noise when bypass		✓				
Led turn off	✓			✓		
Sound too trebly or fizzy			✓		✓	
Sound too mushy or bass		✓			✓	
Unusual feedback		✓	✓		✓	✓
Unusual Hum		✓	✓	✓	✓	
Bass feedback			✓			✓

BATTERY REPLACEMENT



ACTIVE FILTER



**BASS
SOUND**



**FLAT
SOUND**



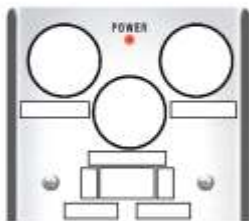
**POWER MID
SOUND**



**BRIGHT
SOUND**

Mais configurações | More Settings | Más Opciones
www.rayspedals.com

CUSTOM SETTINGS
CONFIGURAÇÕES PERSONALIZADAS
CONFIGURACIONES CUSTOMIZADAS



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DRIVELEVEL

THE SCREAMER

ACTIVEFILTER

IMPORTANT | IMPORTANTE | IMPORTANTE

Ray's Pedals reserve the right to alter specifications without prior notice.

Ray's Pedals reserva o direito de alterar especificações sem aviso prévio.

Ray's Pedals reserva el derecho de modificar especificaciones sin previo aviso.