



## DESCRIPTION

The fully comprehensive DFM (Dual Filter Modular) consists of four stack knobs plus one single, allowing control of volume and blend between the pickups, individual low pass filter characteristics for each pickup, and mid sweep with level, as well as passive tone. Dual mid boost settings are included on pickup filter pull switches. The EQ-03P includes a complete and tandem passive signal path, using the volume/blend stack and passive tone, but via a completely separate passive signal path.

The DFM consists of four stack knobs allowing control of volume and blend between the pickups, individual low pass filter characteristics for each pickup, and mid sweep with level control. Low mid boost settings are included on the neck pickup filter pull switch. Hi Mid and High Attack boost settings are included on the bridge filter pull switch.

Note: With regard to knob rotation:

**ACW = Backing a knob off or turning it anti-clockwise**

**CW = Turning a knob up towards maximum or turning it clockwise.**



## THE VOLUME/BLEND STACK

The volume of the instrument is controlled by the upper ring on the stack while the lower ring controls the mixing of the outputs from the two filter stacks. Turn ACW for the bridge pickup alone and CW for the neck pickup. Intermediate settings allow a mix of the two pickups. The indented centre click gives an equal mix. The blend in this system is a much more useful sound shaping tool than on most other types of systems due to the ability to independently control the sounds from each pickup.

- **Lower Ring - BLEND**  
Active blend for smooth and even control of pickup balance.
- **Upper Knob - VOLUME**  
Low impedance Volume for the active path.

## FILTER/PEAK STACK KNOB - NECK PICKUP

- **Lower Ring - FILTER FREQUENCY**  
Sets Low Pass Filter Frequency for neck pickup.
- **Upper Knob - PEAK LEVEL & LOW MID BOOST**  
Sets the Level of Overshoot Peak for its filter.  
Pull to activate Low Mid Boost.

## FILTER/PEAK STACK KNOB - BRIDGE PICKUP

- **Lower Ring - FILTER FREQUENCY**  
Sets Low Pass Filter Frequency for bridge pickup.
- **Upper Knob - PEAK LEVEL & HIGH MID BOOST**  
Sets the Level of Overshoot peak for its filter.  
Pull to activate High Mid Boost.

## SWEEPABLE MID/TREBLE

- **Lower Ring - FREQUENCY**  
Sets Frequency for the Mid/Treble peak.
- **Upper Knob - LEVEL**  
Sets the Mid/Treble Level from zero to max.

## INTERNAL SETTINGS

- **Preset Gain Trim for each pickup 0-12dBs.**
- **Low Mid Boost Frequency switchable 150 or 250Hz with Preset Level Adjustment.**
- **High Mid Boost Switchable 500 or Treble Attack Boost with Preset Level Adjustment.**
- **Preset Mid/Treble Blend allows you to select which pickup or blend of both pickups that supply the signal for the Mid/Treble.**



## GENERAL INFORMATION:

### INPUT STAGES

Two gain adjustment presets are included to allow fine-tuning the level of pickups individually.  
Each pickup input has its own input buffer allowing non-matching pickup types to be used without problems.  
Each input includes a sub filter to prevent harmful 'power-soaking' frequencies below your bass spectrum, reaching your rig.

### MECHANICAL & INSTALLATION

- **MECHANICAL SCHEME**

Modular system where each pot stack is mounted on its own circuit board.  
The Volume/Blend is fixed to the main circuit board and the others are connected via neat plug-in flat cables.

- **INSTALLATION**

The system comes completely wired including battery clip and jack.  
All connections to the electronics are via small screw terminals.

### ELECTRONIC DETAILS OF THE ACG DFM 4K/A 5K A/P

- **INPUTS**

Input gain adjustment for each pickup - 0-+12dB.

- **FILTERS**

Low pass filters continuously variable - 70Hz-3.5kHz.  
Overshoot peak control continuously variable - 0-+10dB.

- **MID/TREBLE**

Peaking frequency continuously variable - 500Hz-5kHz.  
Level control - Zero - +12dB.

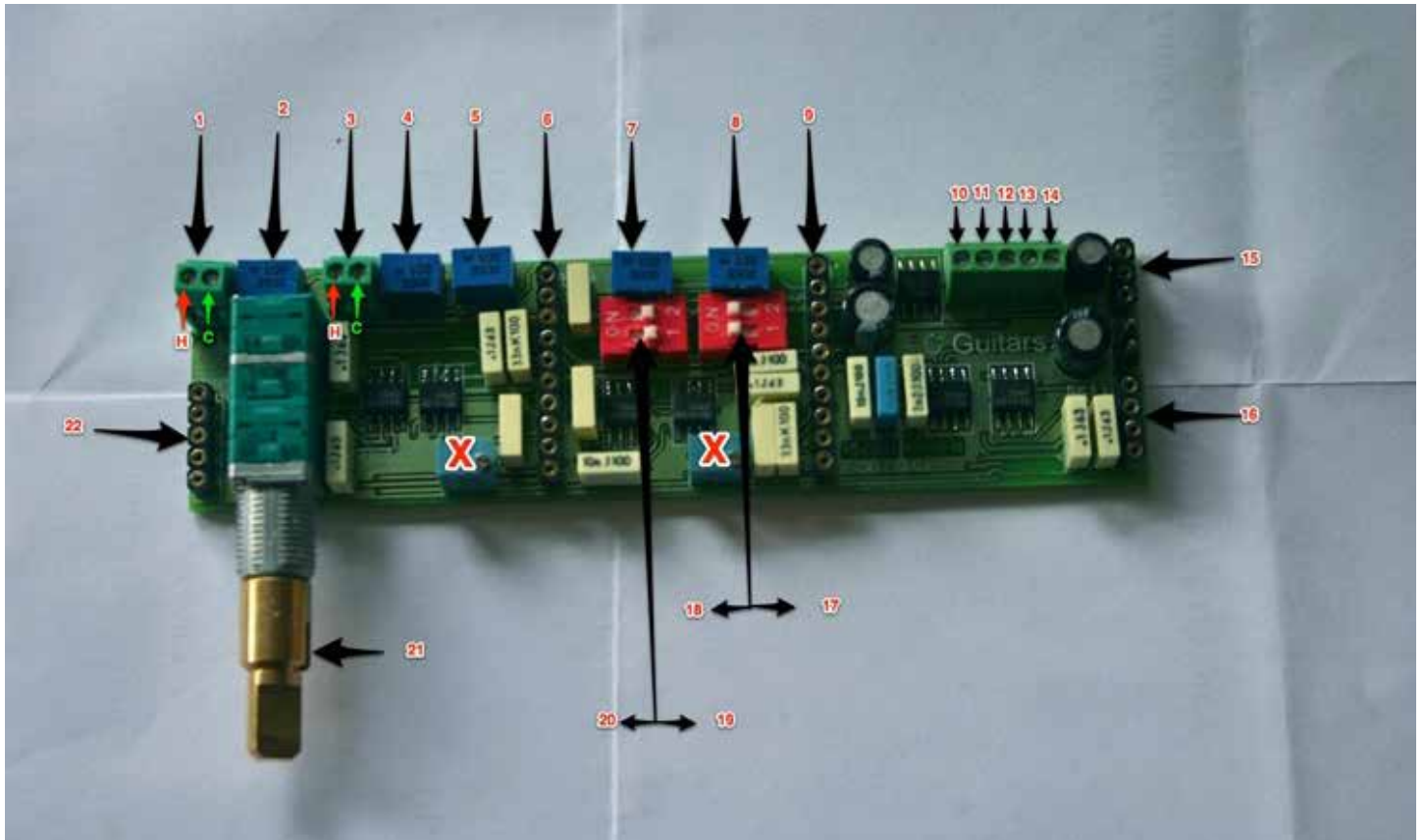
- **MID BOOST**

Low Mid Boost 150Hz or 250Hz +2-12dB max.  
High Mid Boost 500Hz +2-12dB max.  
Attack Boost 8kHz +2-12dB max

# AC GUITARS

## DFM FILTER STYLE ACTIVE PREAMP

### INSTRUCTION MANUAL



## PICTURE KEY

1	Neck Pickup Input. (H hot input C cold input)	12	Output.
2	Gain Preset for neck pickup.	13	Ground.
3	Bridge Pickup Input. (H hot input C cold input)	14	Ground.
4	Gain Preset for bridge pickup.	15	Passive Tone connection.
5	Treble filter blend.	16	Treble Filter connection.
6	Neck Pickup Filter connection.	17	Selector for High-Mid Frequency - 500Hz. Set both white sliders to OFF.
7	Low Mid gain preset.	18	Selector for High Attack Boost. Set both white sliders to ON.
8	High Mid gain preset.	19	Selector for Low-Mid Frequency - 150 Hz. Set both white sliders to OFF.
9	Bridge Pickup Filter connection.	20	Selector for low-mid frequency 250 Hz. Both white switches should be moved to select frequency.
10	+ve 9 or 18 volt.	21	Volume/Blend.
11	+ve 9 or 18 volt.	22	Passive tone connection.

The two presets marked with a red X are not user adjustable and should in no circumstances be moved. This will void the warranty and AC Guitars will not be responsible for any damaged caused to the pre-amp or attached equipment.