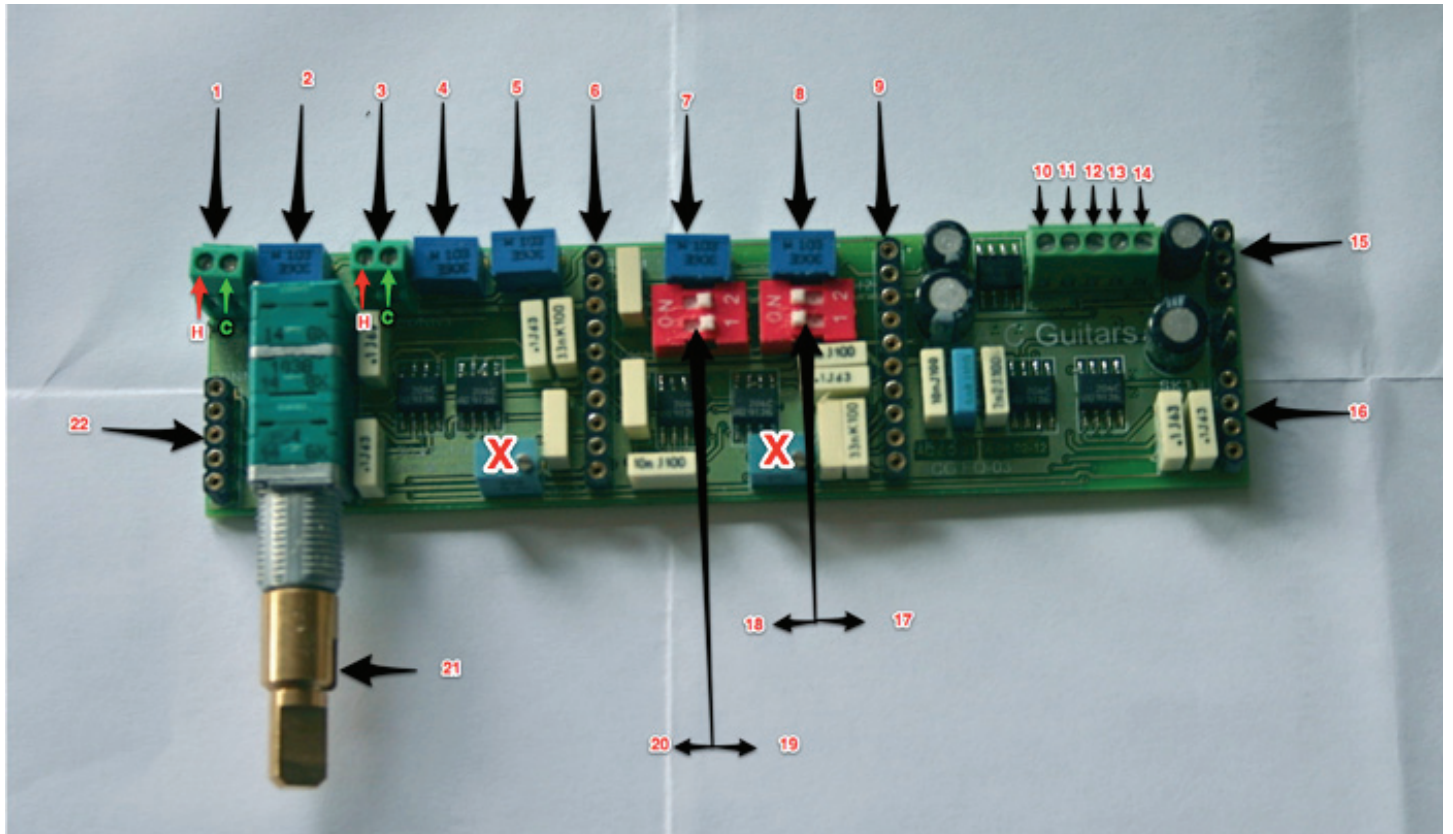


# AC GUITARS

## BASS-EQ-03 FILTER STYLE ACTIVE PREAMP

### ACG EQ03 4K/A & 5K A/P INSTRUCTION MANUAL



## 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 Both white switches should be moved to select frequency.
7	Low-mid gain preset.	18	Selector for high-mid 800Hz Both white switches should be moved to select frequency.
8	High-mid gain preset.	19	Selector for low-mid frequency 150 Hz. Both white switches should be moved to select frequency.
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.

AC GUITARS

BASS-EQ-03 FILTER STYLE ACTIVE PREAMP

ACG EQ03 4K/A & 5K A/P INSTRUCTION MANUAL



## DESCRIPTION

The fully comprehensive EQ-03P 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 overall treble control, 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 EQ-03 consists of four stack knobs allowing control of volume and blend between the pickups, individual low pass filter characteristics for each pickup, and overall treble control. Dual mid boost settings are included on pickup filter pull switches.



## ACG EQ-03P - 5 KNOB VERSION

### Stack Knob - VOLUME / BLEND

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

### TREBLE STACK

- Lower Ring - FILTER FREQUENCY
  - Sets High Pass Filter Frequency for the treble shelf.
- Upper Knob - LEVEL
  - Sets the Treble Level from zero to max.

### PASSIVE TONE - Overall

- Sets Passive Tone roll-off in both active and passive modes.
- Push/Pull Switch for Active/Passive, pull for passive mode.



## ACG EQ-03 - 4 KNOB VERSION

### Stack Knob - VOLUME / BLEND

- 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.

### TREBLE STACK

- Lower Ring - FILTER FREQUENCY
  - Sets High Pass Filter Frequency for the treble shelf.
- Upper Knob - LEVEL
  - Sets the 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 800Hz with Preset Level Adjustment.
- Preset HF Blend allowing

## GENERAL

### 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 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

### INPUTS

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

### FILTERS

- Low pass filters continuously variable - 70Hz-7kHz.
- Overshoot peak control continuously variable - 0-+10dB.

#### • TREBLE

- Shelving frequency continuously variable - 1.5-10kHz.
- Level control - Zero - +18dB.

#### • MID BOOST

- Low Mid Boost 150 or 250Hz +2-12dB max.
- High Mid Boost 500 or 800Hz +2-12dB max.