MARCUS RETRO 01

Active/Passive Retro-Fit for J-Style Basses

The MARCUS RETRO 01 is designed to fit directly into Marcus 4 signature basses without modification. Its high quality circuit uses three stacked knobs and includes an active blend circuit plus a 3 band equaliser with bass, variable frequency mid, treble and bright function. The active blend circuit prevents the loss associated with many passive basses where, when both pickups are up full, the signal from one pickup feeds into the other and vice versa. However, a switch is included to allow a passive equal mix of both pickups. A second switch - basic "get-you-out-of-trouble" passive mode is included in case the battery dies in crucial circumstances, but this mode allows lots of useful settings too.

Note: *The version with a plate will fit the 4 string bass only. The 'electronics only' version can be fitted to a Marcus V, but using the existing plate, which will require an additional hole for the Pickups Toggle.*

- **VOLUME & BLEND** (Knob stack nearest the neck pickup)
- **VOLUME**

  The upper knob is the Volume. This knob has active circuitry after it so that the feed to your amplifier is a low impedance drive.
- **BLEND & PICKUPS SWITCH**

  The lower outer knob is the Blend balance for the pickups. Turn it fully clockwise for the neck pickup alone and fully anti-clockwise for the bridge pickup. The midway position, which has an indent, gives an equal mix of both pickups. The balance between the pickups is continuously variable with progressive level compensation towards the single pickup settings.

  Important:- The **Pickups** switch (by the blend) must be set pointing towards the jack for the Blend to function. (See **ACTIVE** & **PASSIVE** diagrams for details of how this switch works)

- **BASS & TREBLE** (The middle knob stack)
- **TREBLE (+12dB @ 1k5Hz, -12dB @ 1kHz)**

  The upper knob is the Treble control with boost and cut. The central 'flat' position is indented. The cut settings work on lower frequencies compared to boost to give a deeper sound when the top is rolled off.
- **BRIGHT (+8dB @ 7kHz)**

  Pull the Treble knob for the Bright setting.
- **BASS (+15dB @ 40Hz)**

  The lower outer knob is the boost only Bass control. The frequency band of boost gets progressively lower as the boost is increased. An indent midway is included to aid the setting of this control.

- **MID LEVEL & FREQUENCY** (The knob stack nearest the jack)
- **BOOST/CUT (+/- 12dB)**

  The upper knob controls the amount of Mid boost or cut at frequencies according to the setting of the Frequency knob. The midway indent is the 'flat' position.
- **FREQUENCY (150Hz - 3kHz)**

  The lower outer knob is continuously variable and sets the Mid frequencies for boost or cut.

Continued over:

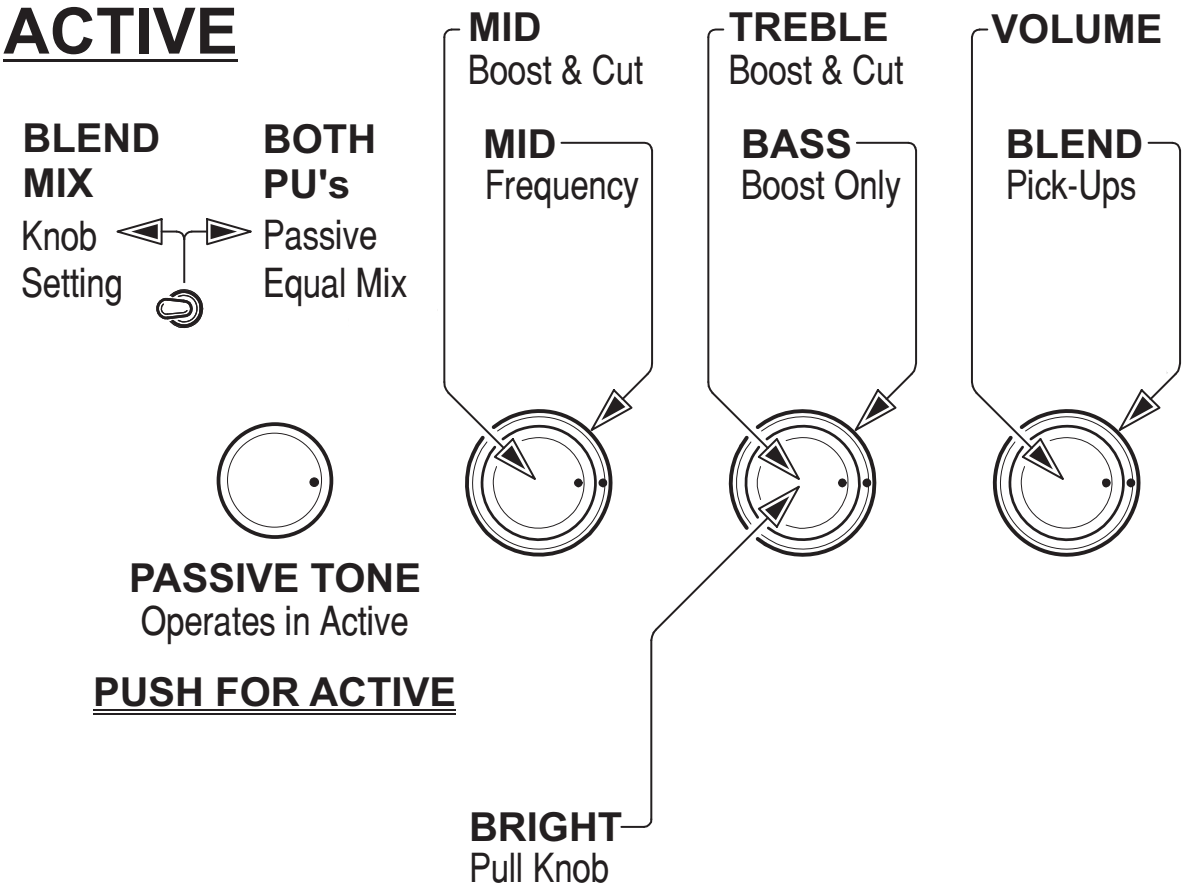
- **ACTIVE PASSIVE SWITCH** (By the jack)
  Towards the jack for active, the opposite for passive

- **PASSIVE TONE** (Single Knob)

- **PASSIVE TONE**
  Conventional passive tone which acts directly on the output of each individual pickup. Since pickup signals are separated until they reach the electronic blend stage, a dual pot is required in order that there is an individual passive tone section for each pickup.

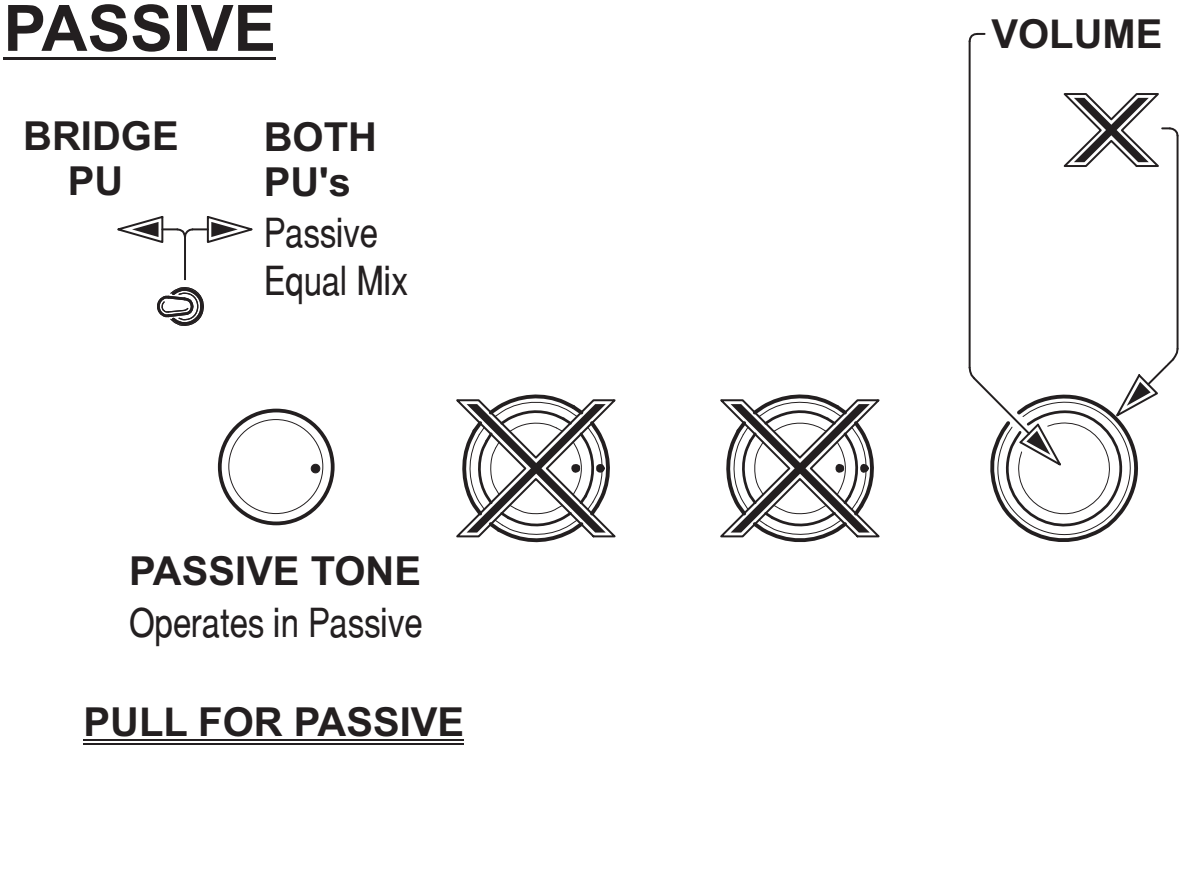
- **POWER**
  The power is switched on automatically when a mono jack is plugged into the jack socket.

ACTIVE



CURRENT VERSION

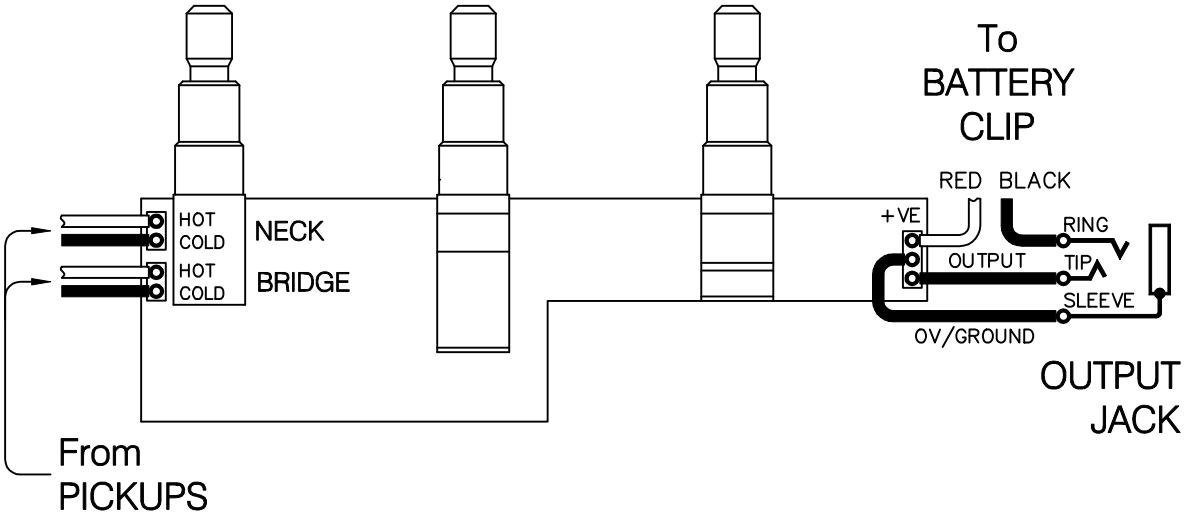
PASSIVE



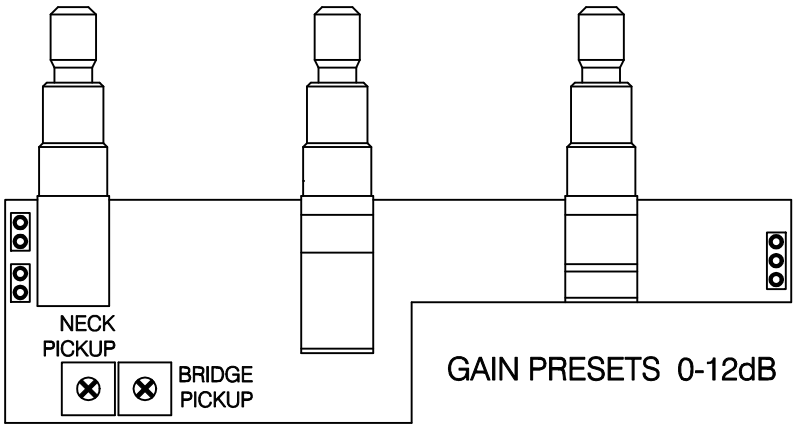
RETRO 01 Wiring & Gain Adjustment

Wiring Diagram

MAKE SURE ALL POT & SWITCH SHAFTS ARE GROUNDED VIA SCREENING FOIL OR OTHER HIGHLY CONDUCTIVE MATERIAL



Pickup Input Gain Adjustment



1 The pickup input gain presets are set to minimum as standard. This is normally a suitable setting for the majority of medium and high output pickups. (You should note that the distance from the pickups to the strings makes a big difference to the pickup outputs)

2 Lower output pickups may require some gain adjustment to optimise performance.

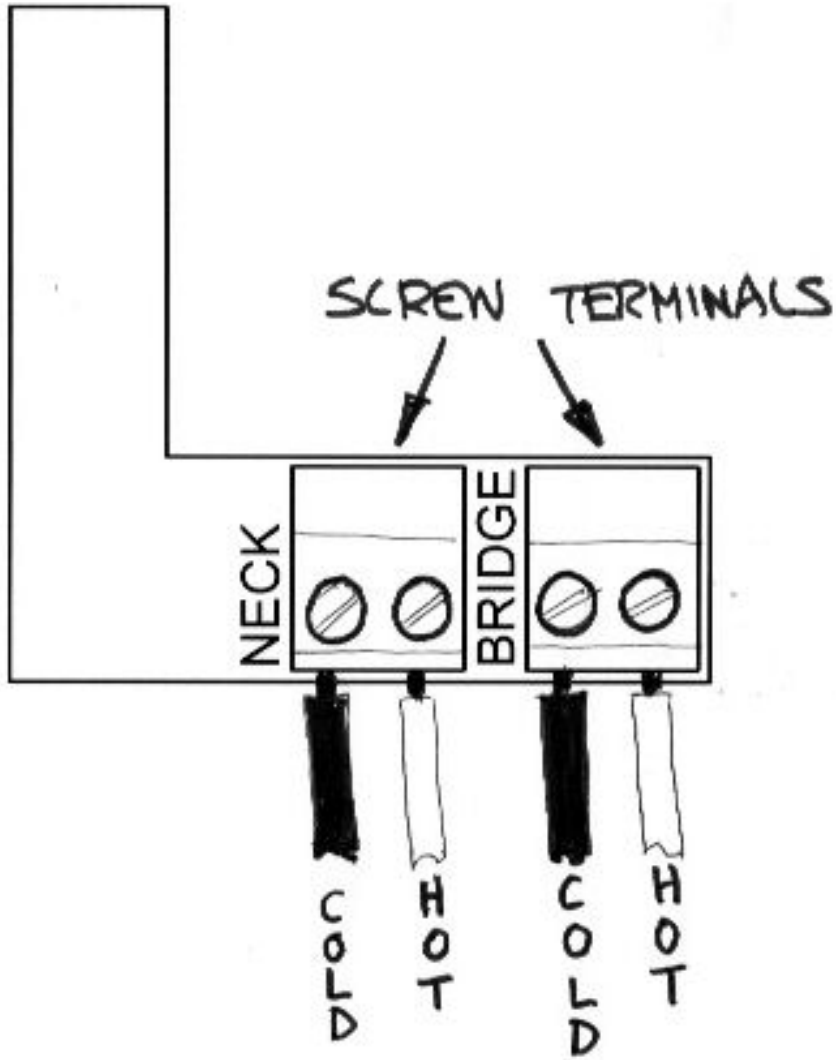
3 AS A GUIDE: With Volume set around 70% and EQ boost/cut controls set in midway indents there should be a good strong output drive.

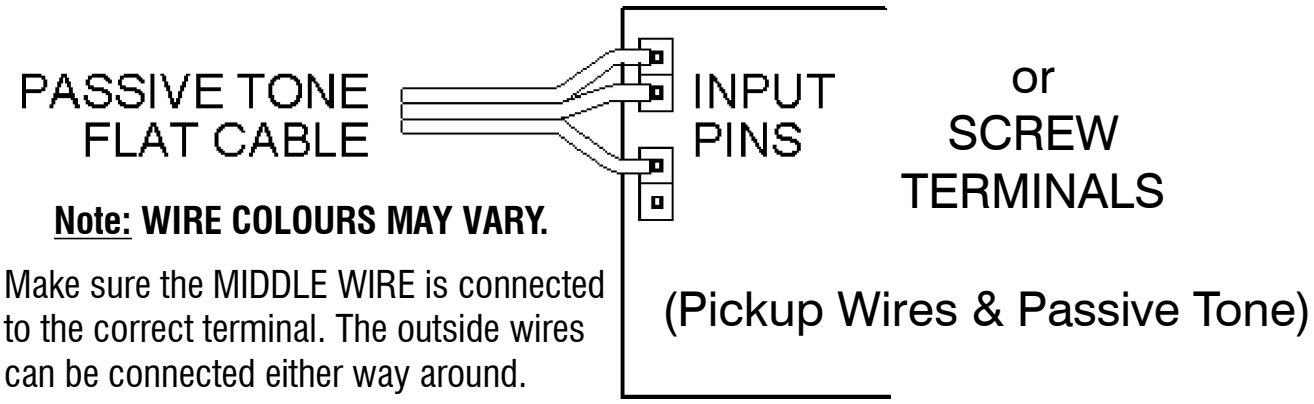
4 If the output seems too low, set the blend to the neck pickup and increase the gain of the neck pickup by adjusting its preset. When you're happy turn the BLEND to the bridge pickup and adjust its preset to match the level of the neck pickup.

J-RETRO & J-RETRO DELUXE

* NEW CONNECTION SYSTEM FOR PICKUPS

2





Note: WIRE COLOURS MAY VARY.

Make sure the MIDDLE WIRE is connected to the correct terminal. The outside wires can be connected either way around.

GUARANTEE

Your East product is guaranteed to be free from defects in materials and workmanship for a period of one year from the date of original purchase.

If during the guarantee period your product becomes faulty due to defective materials or workmanship then the unit will be repaired or replaced without charge for parts or labour at the discretion of E-Pro according to the conditions below.

CONDITIONS

1 The original sales invoice or receipt indicating the date of purchase and sales outlet is presented together with the faulty unit.

2 The unit was installed competently consistent with the instructions supplied.

3 What is not covered:

a) Damage due to accident or improper handling, installation or operation.

b) Defects caused by the instrument or system to which to which the unit has been installed.

c) Damage resulting from repair of the unit carried out by non-authorised service personnel.

d) The costs of transport or shipping costs relating directly or indirectly to the guarantee of this product.

East UK Bumble Clumps Weston on the Green OX25 3TJ UK 44 (0) 1869 343112 John.East@which.net www.East-UK.com