



BRUTO MKI

INFORMATIONS

BRUTO MKI is a pedal preamplifier which integrates many analog devices connected together. In compact dimensions **BRUTO MKI** included: two or three channels with independent tone stack, solo (can be activated on all functions), four buffers (input, output, send, return, spa sim out), one speaker cab simulator and a ergonomic switching system.

Today are born "new needs" with guitar like situations of the "silent stages" (increasingly frequent), settings in very small spaces (theater, club, etc.) and high quality Home-Recording. I thought to create a product that guaranteed "Great Guitar Sounds" and that it took in consideration these new aspects.

It's a multi-channel analog tube pedal that can be used with or without amp. One of the main features is the possibility of being used directly on a mixer or external recording devices ensuring great sounds and surprising the signal dynamics. The sensation of "sound on touch" is one of the typical characteristics of the **BRUTO MKI**, created specifically to satisfy even the most guitarists demanding and obtained with analog technique...only.

DESIGNED AND HAND-BUILT IN ITALY

DETAILS

One of the features that Brutus allowed to do was the possibility to customize own sound through autobias replacement of the output tube. On the same philosophy **BRUTO MKI** offers a solution for personalizing your sound with the adjustment of a trimmer for each channel indicated by the "Screwdriver" symbol. This setting has the function of increase or decrease the mid frequencies and automatically change the state of "bell frequency" (frequency cut). This allow with only two controls (Treble and Bass) to manage better and complete the frequencies of our guitar.

BRUTO MKI < FRONT AMP

2 Channel + Solo (Crunch, Lead)

2 Stack Tone CH1/CH2

Solo can be used on Bypass

Loop FX (buffered)

BRUTO MKI < SPEAKER SIMULATOR

Channel + Solo (Clean, Crunch, Lead)

2 Stack Tone CH1/CH2

Loop FX (buffered)

Balanced/Unbalanced Speaker Simulator Out

CICOGNANI ENGINEERING reserves the right to modify the technical characteristics and layout of the products at any time and without notice. This product is built to the rule of art and observes the technical requirements of the Directives Europee 89/366EEC.

A BIT OF HISTORY

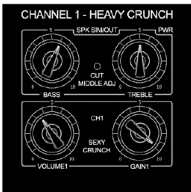
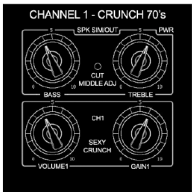
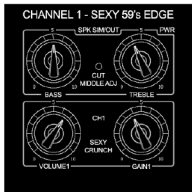
Has passed some time since 2003 when Donato Begotti and me gave life to Brutus amp, the italian mini rock head.

We remember those times because for first, we supported the idea of a small tube amplifier with low power that allowed you to bring your own sounds from "stage" to the practise room, up to their home walls.

Passed the initial amazement motivated by a market based mainly on high power amps...started the great request. In a short time a new way of thinking about the guitar amp followed and subsequently proposed by the majority of the best popular producers...and I'm very proud of it.

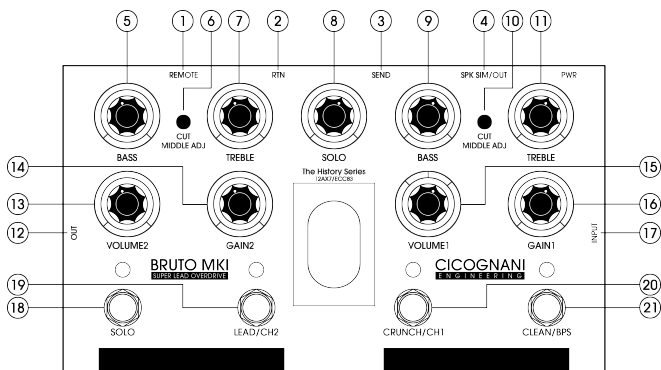
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SETTINGS



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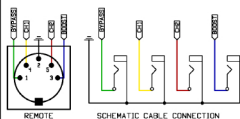
CONTROLS



1. **Remote:** Remote all 4 function buttons by a looper switcher
2. **RTN:** Return in
3. **Send:** Send out (Preamp-out)
4. **SPK SIM/OUT:** Rec.Out speaker simulator equipped
5. **Bass:** Bass tone control Ch2
6. **Cut Middle Adj:** Middle tone control Ch2
7. **Treble:** Treble tone control Ch2
8. **Solo:** Solo volume
9. **Bass:** Bass tone control Ch1
10. **Cut Middle Adj:** Middle tone control Ch1
11. **Treble:** Treble tone control Ch1
12. **Out:** Standard 1/4" TS jack output
13. **Volume2:** Volume Control Ch2
14. **Gain2:** Gain control Ch2
15. **Volume1:** Volume control Ch1
16. **Gain1:** Gain control Ch1
17. **Input:** Standard 1/4" TS jack input
18. **SOLO:** Solo On/On switch
19. **Lead/CH2:** Ch 2 On/On switch
20. **Crunch/CH1:** Ch 1 On/On switch
21. **Clean/Bps:** Bypass On/On switch

Remote Connections Schematic:

The connection cable must be constructed following the instructions below. The external control unit must be with momentary outs.



SPECIFICATIONS

Power In	9 to 12VDC (Negative Tip)
Consumption	From 300 to Max 500mA
S/N Ratio	58db
Max Gain	97db
Boost	0 to +6db
Input Impedance	<1M Ohm
Output Impedance	<100K Ohm
Send Impedance	<47K Ohm
Return Impedance	<47K Ohm
Spk Sim Out Impedance	<47K Ohm
Serial Loop FX	0db
Max Return Signal	0.5Vpp
Max Spk Sim Out Signal	0.5Vpp
Estimated Tube Life	Up to 3000 hours
Weight	0.7kg (1.5 lbs)
Dimensions	220 x 130 x 50mm (8.6" x 5.1" x 1.96")
Connection:	Main Power (DC 2.1mm) Input Guitar (Jack mono 6.3mm) Output to amp (Jack mono 6.3mm) Send-Return (Jack mono 6.3mm)
Bypass Function:	1) Full Range - 2) Equalized (Rec Out)
Controls CH1:	Max Gain (70db) Volume (+10db)
Tone Stack CH1:	Treble (5500Hz +/- 10db) Middle - CUT ADJ (820Hz +/- 8db) Bass (110Hz +/- 8db)
Controls CH2: 1/2 12AU7B	Max Gain CH2 (100db) Volume (+10db)
Tone Stack CH2:	Treble (5500Hz +/- 10db) Middle - CUT ADJ (820Hz +/- 8db) Bass (110Hz +/- 8db)
Control Boost:	Level (0/+4db) Linearity (Full Range)
Spk Sim Emulator	SM57 - 4X12" V30 SPK

CAUTION! Make sure to check the power supply connection as per technical specifications. This pedal cannot be powered by a battery.

CUSTOMIZE YOUR TONE

BRUTO MKI offers the possibility to customize your own sound through two adjustments to be made with a small screwdriver. The adjustments are on both Channel 1 and Channel 2 and consist of being able to act on the medium frequencies. This adjustment raises or lowers the level and automatically shifts the cutoff frequency. This system was designed to allow only two controls (Bass, Treble) to interact in the best way.

Insert the slotted screwdriver through the hole and turn (without pushing hard) until you find the trimmer joint. Now you are ready to change the factory sound.

The factory sound is adjusted: Ch1 at 11.50 (like the clock hands) while Ch2 at 12.00.

Be careful the trimmers are of excellent quality but do not mechanically withstand great efforts. I recommend you make these adjustments gently.

If you prefer typical 70s / 80s sounds, I suggest you increase the amount of the middle to reach around 03.15 hours, while if you want a metal "V" sound, a 09.45 hours adjustment is required.

BRUTO MKI is a high quality product and goes well with most external devices. You can create your best settings both in combination with the guitar amplifier and directly on the PA system or recording devices.

GURU ADVISES

1. Connect the main power to 12Vdc (min 350mA). Make sure the power supply is negative tip.
2. Connect the "Output" to the amplifier "Input".
3. Connect the "Input" to the instrument.
4. As soon as you turn on the pedal you will find the green bypass LED active.
5. The foot buttons are momentary type and select: Bypass (Clean), Ch1, Ch2, Boost. The latter can also be activated on the Bypass and switches off automatically when a new function passes.
6. The effects loop mixer is serial mode. The connections for external device are: Jack 6.3mm mono.
7. The Speaker Simulator Out integrates a line buffer (balance/unbalance) to guarantee a purity of the signal also in combination with connection cables longer than 10Mft (32Ft).
8. One of the main features of **BRUTO MKI** is the "live" use without amply. You can connect the Speaker Sim. Out and miraculously the pedal turns into three channels + boost where the bypass becomes Your "Clean channel" with factory preset tone.
9. The pedal functions can be controlled from external devices. To do this correctly consult the guide

WARRANTY TERMS

The guarantee of the products is two years from the purchase data. Switches, buttons, relays are one year. The thermionic valves, indicator lights, wiring cables are guaranteed for three months.

Responsibility of **CICOGNANI ENGINEERING** is limited to repair or replacement of the product at our discretion.

CICOGNANI ENGINEERING not be liable for damages resulting from loss of use of the product, lost time operation interrupted by non-use, loss of business or any other damages or incidental, consequential or otherwise; damage in transit or damage caused by inadequate packaging.

How to receive assistance: Send an email to sales@cicognani.eu in order to make agreements on how and where to send the product. The product must be sent together with a copy of the receipt/sales receipt. Shipping and packing costs are the responsibility of the purchaser.

THE WARRANTY IS NOT VALID WITHOUT A COPY OF YOUR RECEIPT OF SALE CERTIFYING THE DATE OF PURCHASE.





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Via Faentina, 44 - 48013 Brisighella (RA), Italy P.Iva: 02720280391