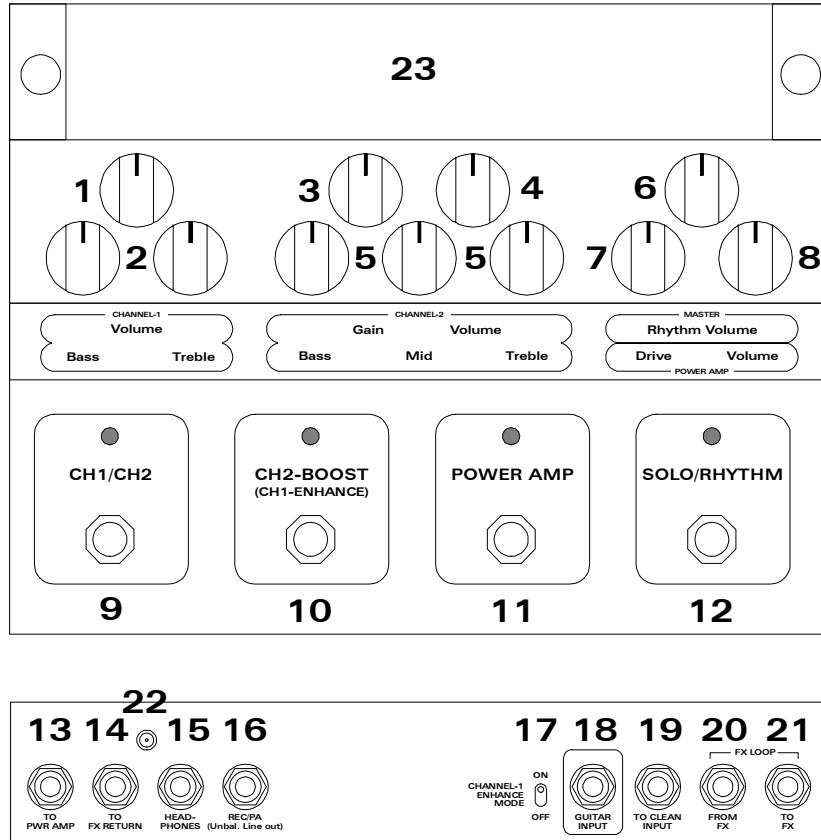


Congratulations on your purchase of this unique preamp. The Pedaltone was designed for those who need a wide palet of tube sounds at the tip of their toes both for performing as for recording purposes. This is a handcrafted unit, it's road-proof and built by people who care about guitar tone and quality. Thank you for choosing Koch. Please take the time to read this manual carefully and to send in your warranty card.



- [1] VOLUME : Controls the volume level of the Clean channel (CH1).
- [2] BASS & TREBLE : Classic passive tone controls that regulate low and high frequencies of the Clean channel (CH1).
- [3] GAIN : Controls the amount of distortion in the Overdrive channel (CH2).
- [4] VOLUME : Controls the volume level of the Overdrive channel (CH2).
- [5] BASS, MID & TREBLE : Classic post-distortion passive tone controls that regulate low, mid and high frequencies of the Overdrive channel (CH2).
- [6] RHYTHM VOLUME : If this control is activated (see [12] Solo/Rhythm), it functions as a master volume and can be used to preset a (lower) Rhythm volume.

- [7] DRIVE : Controls the amount of (power amp) distortion of the 0.5W power amp.
- [8] VOLUME : Controls the volume level of the 0.5W power amp.
- [9] CH1/CH2 : Selects between the Clean channel (CH1) and the Overdrive channel (CH2). If the red LED is off, CH1 is active. If it burns, CH2 is active.
- [10] CH2-BOOST : Selects between low-gain mode and high-gain mode on the Overdrive channel (CH2). The red LED burns when the high-gain mode is active.
- CH1-ENHANCE : Activates an enhancer on the Clean channel (CH1), if switch [17] is in the upper position. The red LED burns when the enhancer is active. An enhancer is a filter that cuts the mids and boosts the high-end. Sounds great for rhythm and open chords.
- NOTE: HIGH-GAIN settings may cause squealing and/or excessive hum and noise, due to microphonic guitar pick-ups and insufficient screening of guitar-circuitry.*
- [11] POWER AMP : Activates a single-ended 0.5W tube power amp. With this unique feature real tube power amp distortion can be created. Combines very well with both CH1 and CH2. Gives a nice and musical saturation of clean tones on CH1, and fattens up all crunchy or high-gain distortion tones on CH2.
- [12] SOLO/RHYTHM : Bypasses the RhythmVolume [6] and functions therefore as a Solo/Rhythm selector. If the Rhythm Volume is bypassed the signal is sent straight into the output section (and the Rhythm Volume doesn't function any more). The red LED burns when the Solo mode is active.
- [13] TO POWER AMP : for connecting the Pedaltone to a separate (19") power amp.
- [14] TO FX RETURN : for connecting the Pedaltone to the effects return jack of a guitar amp.
- [15] HEADPHONES OUTPUT : provided for the connection of a set of headphones. The signal is filtered in order to simulate the sound of a guitar speaker or speaker cabinet.
- [16] REC/PA : this jack allows sending an unbalanced, filtered, signal to a Recording or PA mixing console. A speaker simulating filter simulates the recording characteristic of a microphone placed in front of a guitar speaker cabinet.
- [17] CHANNEL-1 ENHANCE MODE ON/OFF : determines if switch [10] can also activate an Enhancer on the Clean channel (CH-1)
- [18] GUITAR INPUT : Input for an electric guitar.
- [19] TO CLEAN INPUT : for connecting the Pedaltone to the input jack of a guitar amp. If this amp has a channel selector it must be switched to the Clean channel.
- [20] EFFECTS LOOP SEND (TO FX) : This jack provides a buffered mono output from the preamp and can be used in conjunction with the RETURN (FROM FX) jack as a patch point for external effects units.
- [21] EFFECTS LOOP RETURN (FROM FX) : This jack inputs signal directly to the output section and automatically disconnects the preamp section.
- NOTE: The EFFECTS LOOP's mode is serial. Its -10dBV SIGNAL LEVEL guarantees compatibility with both instrument-level effects like floor-pedals and guitar-processors, as well as line-level effects like professional 19 inch rack mount devices.*
- [22] POWER SUPPLY : Input for the 12VAC mains adapter.
- [23] REPLACING TUBES : this cap can be removed, using the two large black bolts at each side, for replacement of the four 12AX7 tubes. The second tube (seen from the Guitar Input jack side) should always be replaced with a special low microphonic type. (Koch 12AX7LM/7025).

SPECIFICATIONS

Tubes	3x 12AX7, 1x 12AX7WA/7025 (low microphnic)
Output levels	(13) 0dBm, (14) -10dBm, (16) -10dBm, (19) -20dBm
FX loop level	-10dBm
Power Supply input	12VAC, 1.5A
Dimensions	31w x 23.5d x 8.5w cm
Weight	3 kg

CAUTION DO NOT OBSTRUCT THE VENTILATION OPENINGS.
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT
TO RAIN OR MOISTURE.
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QULIFIED PERSONNEL ONLY.
DO NOT OPEN, VERY HIGH VOLTAGE PRESENT.

Pedaltone

EC DECLARATION OF CONFORMITY

We, Koch Guitar Electronics, Arnhemseweg 152, 3817 CL Amersfoort, The Netherlands, declare under our sole responsibility that the product:

PDT-4 Pedaltone

to which this declaration relates is in conformity with the following harmonized standards:

- * EN 50081-1 (1991) Electromagnetic compatibility. Generic emission standard.
Part 1 : residential, commercial and light industry;
- * EN 50082-1 (1991) Electromagnetic compatibility. General immunity standard.
Part 1 : residential, domestic and light industrial environment;
- * EN 60065-1 (1993) Household electronic apparatus.
Part 7 : Heating under normal operating conditions;
- * EN 60335-1 (1988) Safety of household and similar electrical appliances.
Part 1 : general requirements.

following the provisions of Council Directive 98/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility and the provisions of Council Directive 73/23/EEC on the approximation of the laws of the Member States relating to low voltage and electrical safety.

Amersfoort, 1 februari 2001



Dolf Koch

OPERATING INSTRUCTIONS

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