REDCAT DISTORTION

REDCAT is an analog distortion unit that has both memory and recall functions for all possible settings; **MIDI** interface.

This allows the artist to configure the distortion for the preferred sounds via the six available controls.

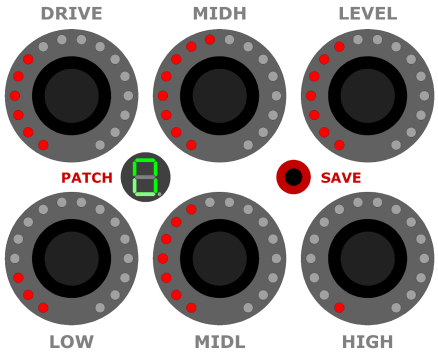
REDCAT is a step up for the analog guitar effects as it introduces an analog-digital architecture that works in the analog domain and that is controlled by a digital processor.
The memorized settings can be recalled via the two footswitches, CNT1 and CNT2, or via a MIDI connection.
Moreover an innovative Noise Gate is inside the RedCat; you can set the threshold or you can activate an automatic noise threshold detector .

These 3 important characteristics, digital control, Noise Gate and remote MIDI control, makes the REDCAT one of the most innovative distortion within the market.

A patch is composed of the six parameters. Each patch can be memorized using the SAVE pushbutton.

PARAMETERS

REDCAT has six adjustable parameters:

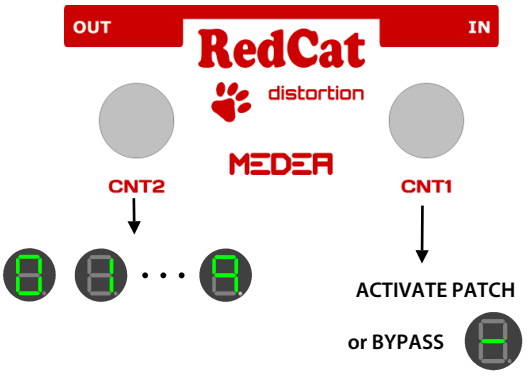


DRIVE	Adjust the distortion level
LEVEL	Adjust the output signal level
LOW	Adjust the low frequency level
MIDL	Adjust the low mid frequency level
MIDH	Adjust the high mid frequency level
HIGH	Adjust the high frequency level

All the parameters can be adjusted using the control knobs.
Classic and Soft Metal distortions, choose the right sound you like.
Both the REDCATs have a very innovative programmable "Noise Gate", to kill all the unwanted noise , and a MIDI interface.

A maximum of ten (0-9) Patches can be saved which can be recalled sequentially, using the footswitch CNT2; it's possible to change this maximum number.
When in "PRE_PATCH MODE", pressing and releasing CNT2 increase the patch number and put the REDCAT in a pre-patch mode, indicated by the patch number flashing on the green display.
CNT1 will confirm and activate the pre-selection.

Use CNT1 also to toggle Normal and Bypass modes.



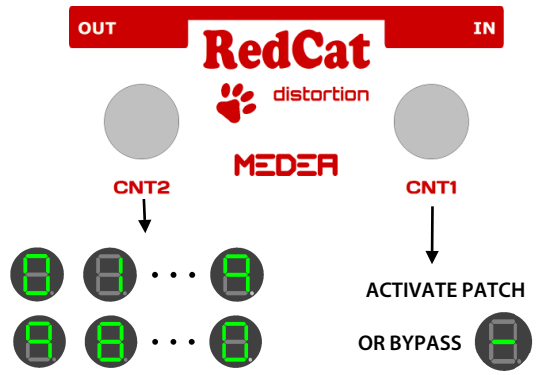
OPERATIVE MODES

During Power Up, keep pushed the SAVE button, the characters 'I' and 'P' will appear sequentially on the green display, indicating the "Incremental" and the "Pre-Patch" modes; release the button will select the displayed mode.

A maximum of ten (programmable from 1 to 10) Patches can be saved which can be recalled sequentially, using the footswitches CNT1 and CNT2, in Incremental and Pre-Patch Mode ('P').

PRE-PATCH MODE

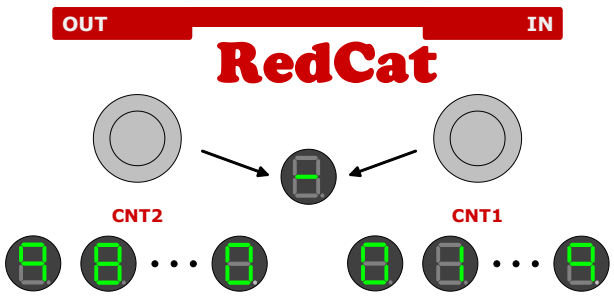
Pressing and releasing CNT2, increases the patch number and puts the REDCAT in a "pre-patch" mode, indicated by the patch number flashing on the green display. Keeping CNT2 pressed for at least 3 seconds will decrease the patch number.
CNT1 will confirm and activate the "pre-patch" and/or the BYPASS state.



INCREMENTAL MODE

Pressing CNT1 will increase the patch number, pressing CNT2 will decrease the patch number. Pressing both the footswitches will put RedCat in BYPASS state.

Press any footswitches to escape from the BYPASS state.



Once all the parameters have been reconfigured, the Save button can be pressed for at least 3 seconds to memorize the new configuration, the patch.
The character 'P' will be displayed on the green display

It is possible to cancel the new configuration by pressing and releasing the Save button. The character 'H' will appear on the green display.

INITIALIZATION

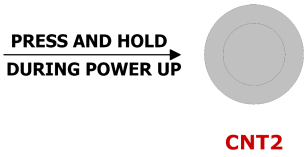
If the Save button is pressed and held during the power on sequence, after the mode selection, the ten patches are initialized to default values.

The REDCAT address will be initialized with the default 0 value.

After the mode selection the character 'L' will appear on the green display.

NEW ADDRESS ALLOCATION

In the event that you need to change the REDCAT address the following steps are necessary.
During the REDCAT power up sequence, press and hold the footswitch CNT2.



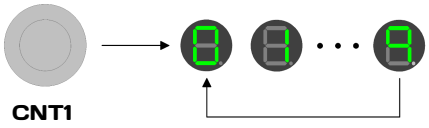
The display will show all the 16 available addresses, one every 2-3 seconds

Release the footswitch CNT2 when the selected address is displayed. The patch data will not be changed.
The "Save" button must be pressed for at least 3 seconds ('P') to memorize the new address.

NOISE GATE

Keeping pressed CNT1 will set the noise gate threshold from '0' to '9'; the 'A' character means that the auto-threshold is on, '0' when the noise gate is OFF.

Release the footswitch when the selected threshold or the auto-threshold sign is displayed.
The "Save" button can be pressed for at least 3 seconds ('P') to memorize the new threshold level.



Set the level to '0' to disable the noise gate; the 'A'character indicates an automatic noise threshold detector.

MIDI - PATCH ASSIGNMENT

To assign a patch to a MIDI program command, simply:

- Send the MIDI program change (Cn)
- Set the patch number and the patch parameters
- Keep the "save" button pressed until the following sign appears on the green display

Moreover using the MIDI Bn command you can put the pedal in BYPASS mode or in operative mode: For example using the MIDI channel 0 (hexdecimal notation):

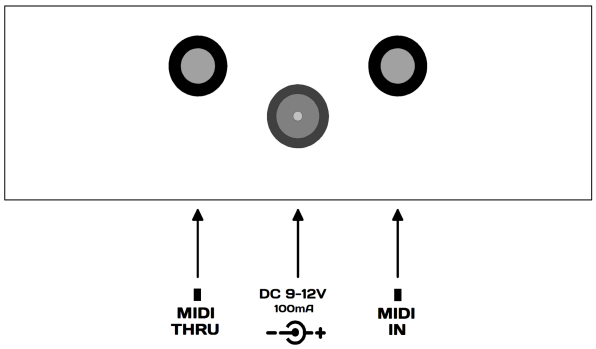
B0 15 xx	BYPASS	xx: any from 0 to 3F
B0 15 yy	Operative	yy: any from 40 to 7F

PATCH LIMIT

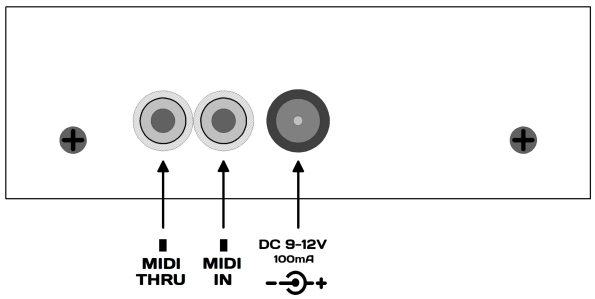
Keeping pressed CNT1 during Power Up will set the
maximum patch number, from '0' to '9'.

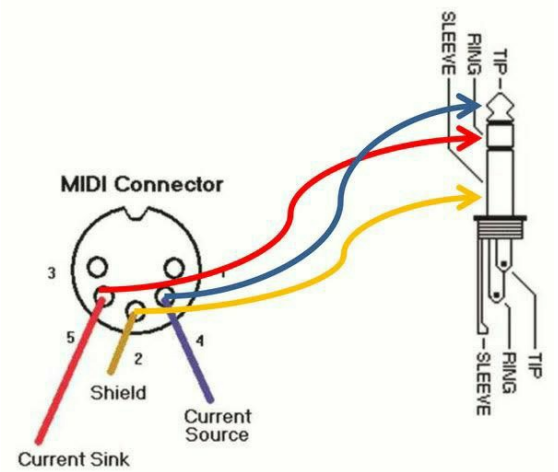
The "Save" button must be pressed for at least

NEW SERIES



OLD SERIES





SERVICE & WARNING

Always refer to a qualified personnel when servicing is required. Don't expose the effect to moisture or rain and don't use it near water; the operating ambient temperature must be lower than 50 degrees (Celsius).

Avoid to apply power supply voltages higher than 12V, no objects filled with liquids should be placed on the effect. Clean the effect only with dry clothes.

TECHNICAL SPECIFICATION

POWER	:	9 to 12Volt MAX, Centre Negative Regulated
CURRENT DRAW	:	100mA max
INPUT IMPEDANCE	:	500Kohm