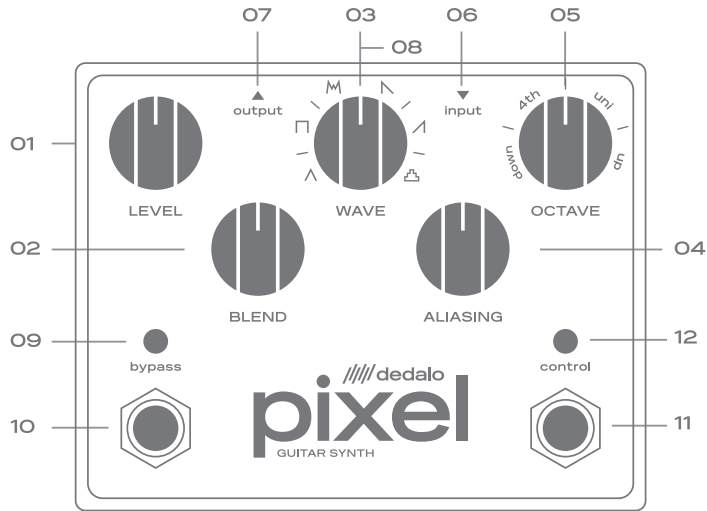


dedalo  
pixel  
GUITAR SYNTH

## Congratulations, you got the Pixel!

With its 8-bit  $\mu$ -control synthesizer, the Pixel transforms your guitar into new and powerful waveforms. Get ascending or descending octaves and fourths, and mix your direct sound with the analog-dry-thru design. Pixellate the sound with the aliasing control and generate harmonics that no distortion could ever get.

- 8 bits  $\mu$ -control synthesiser
- Clean signal blend with Analog-dry-thru
- Several powerful waveforms including square, triangle, sawtooth and M
- Interval generation with Octave up, octave down, normal octave and 4th down
- Aliasing effects by reduction of the sample rate
- Digital Mode
- Internal compressor for greater sustain
- Interactive waveshaping/aliasing control with optical footswitch
- True bypass



## Controls

**O1 - LEVEL** Output level of the synthesized signal

**O2 - BLEND** Output level of the clean signal which is added in parallel to the effect

**O3 - WAVE** Select the waveform of the synthesized signal between this five options, or engage Digital mode:  $\Delta$  *Triangular* -  $\square$  *Square* -  $M$  *"M" Wave* -  $\nabla$  *Sawtooth down* -  $\nearrow$  *Sawtooth up* -  $\nabla$  *Digital*: In this mode, the synth is deactivated and the pedal outputs the original signal, with 8-bit resolution and affected by the *Aliasing*.

**O4 - ALIASING** Controls the sampling rate reduction of the D/A conversion. This causes the addition of phantom frequencies (alias), creating strange harmonics and subharmonics of digital destruction.

**O5 - OCTAVE** Selects the octave of the synthesized signal from this four options:

- *Down*: Suboctave. One octave below the played note
- *4th*: Descending fourth (7 semitones below the note)
- *Uni*: Unison (same octave as the original sound)
- *Up*: One octave above the played note.

This control is active only when one of the synthesized waves is selected. For best results, position the knob to the center of the desired selection.

## Controls

**06 - INPUT** Effect input, connect your instrument here.

**07 - OUTPUT** Effect output, connect your amplifier here.

**08 - DC 9V** Power supply input, connect your dc adapter here.

**09 - LED** Lights up when the effect is engaged.

**10 - TRUE BYPASS** Turns on/off the effect.

**11 - CONTROL** Optical switch which allows to control the sound process.

When  $\wedge$  -  $\sqcap$  -  $\mathbb{M}$  waves are selected, it controls the wave synthesis, increasing the harmonic content, inversely to the action of a filter. When  $\searrow$  -  $\swarrow$  waves and  $\boxplus$  mode are selected, it controls the sample rate. Tapping on the switch selects the Ascending or Descending mode. In Ascending mode, the harmonics increase gradually up to the maximum level while the switch is pressed, returning to the normal sound when it is released. In Descending mode, the action is reversed.

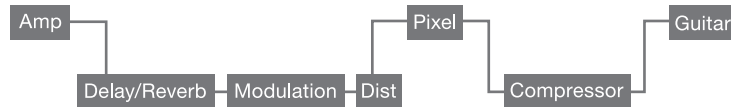
**12 - LED** Control mode indicator. The led lights up when Descending mode is engaged.

## Trimpots

**RV1:** Filter: Low pass filter at the output of the effect.

**RV2:** Compression setting. **RV3:** A/D Converter Bias. Do not change.

## Order in the effects chain



## Technical specifications

Model 2014 – PIX-2

True Bypass

Input impedance: 750Kohm

Power Input: DC 9v center negative (minimum 100mA)

Battery power: 9v Alkaline

Consumption: 50mA at 9v DC

Dimensions: 12cm x 9.4cm x 5.4cm

Weight: 475gr

## Use and care of the pedal

- To place a battery, remove the lid by removing screws.
- Use only regulated 9v dc adapter, with negative center polarity. In no way should be connected to 220V or adapters of other kinds.
- Avoid dropping, hitting or exposing the pedal to extremes of humidity or temperature.
- Disconnect the input when the pedal is not in use to avoid battery drain.
- Remove the battery if you don't plan to use the pedal for a long time.
- To clean the pedal, use a dry cloth.
- Do not remove the protective silicone legs, they protect the pedal from shocks and external pressures.

## Problems and solutions

- *The LED lights up but there is only sound when the effect is in bypass:*  
Make sure the instrument is properly connected to the INPUT jack, and the amplifier to the OUTPUT jack.
- *The indicator LED doesn't light up:*  
The pedal is not connected to a working DC adapter, or to a charged battery.
- *The effect is too weak, or the sound is unduly saturated:*  
Put a new battery or try an appropriate DC adapter. If the pedal is connected in a loop, check its send and return levels.
- *The pedal makes a high pitched whine:*  
The battery has insufficient charge.
- *The pedal makes a low pitched hum:*  
Feed the pedal with a regulated dc adapter of sufficient amperage
- *The sound cuts out intermittently:*  
This may be due to a failure in the true bypass switch. See warranty terms.

## Terms of warranty

- The warranty is only valid for the original owner for 2 years from the date of purchase.
- The warranty must be requested on the trade where the pedal was acquired.
- DEDALO ensures that the pedal is free from defects in materials and workmanship.
- DEDALO will choose to repair or replace any faulty piece on the pedal at its sole option.
- Failures due to accident or misuse are not covered in the warranty.
- DEDALO is not responsible for any loss or damage the user may suffer as a result of using the pedal.
- Batteries or power adapter are not included in the warranty.
- In this pedal there is no piece that could be repaired by the user. The repair or modification by personnel not authorized by DEDALO will void the warranty.
- Shipping or other fees that may arise, are not covered by warranty.

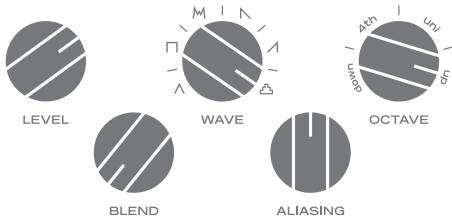
## Sound Settings

Register your pedal!

[www.dedalofx.com.ar/register](http://www.dedalofx.com.ar/register)

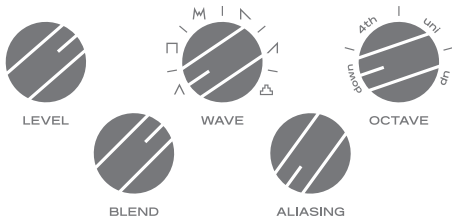
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## Sound Settings



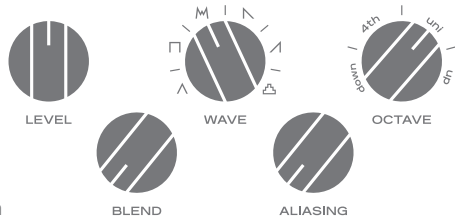
## Digital Harmonics

Play with control footswitch



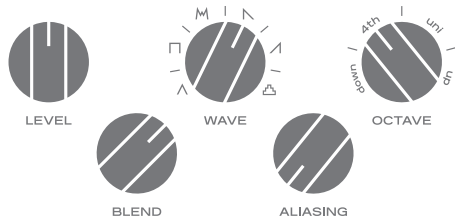
## Faux bass

## Sound Settings



## Wah Synth

Play with control footswitch



## Harmonizer

## Sound Settings



## Fuzzy Octave



MADE IN ARGENTINA

