

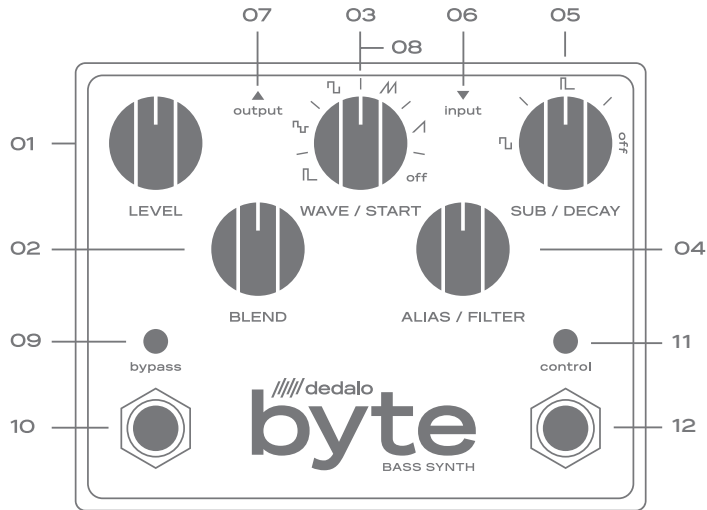
//// dedalo
byte
BASS SYNTH

Congratulations, you got the Byte!

The Byte is an 8-bit digital synthesizer that detects the sound of the bass and generates it's own sound on response to it. The detector is monophonic (it only handles one note at a time). It has two independent oscillators with several waveforms, one running at the original frequency, and another one octave lower (suboscillator), which can be used together or separate.

The generated sound goes then thru a low-pass filter, whose frequency can be modulated by an envelope that responds to the note's attack. At the end of the chain, there is a sample rate limiter that provides for interesting aliasing (phantom frequencies) effects.

- 8 bits μ -control synthesizer
- Clean signal blend with Analog-dry-thru
- Several powerful waveforms including square, triangle, sawtooth and pulses
- Independent suboscillator with square and pulse waveform
- Sample rate limiter with control by optical footswitch
- Envelope filter
- 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 / START *Double function*

- **Wave:** Selects the waveform of the synthesized signal between this five options, or silence:

□ Pulse

□ Bipolar Pulse

□ Square

∧ Sawtooth (octave up)

∧ Sawtooth

Off Stops this oscillator

For best results, position the knob to the center of the desired selection.

- **Start:** With the Control activated, sets the initial frequency for the envelope filter sweep.

O4 - ALIAS / FILTER *Double function*

- **Alias:** Controls the sample rate of the D/A conversion. This causes the addition of phantom frequencies (alias), creating strange harmonics and subharmonics of digital destruction.

Controls

- **Filter:** When activated, sets the final frequency for the envelope filter sweep.

05 - SUB / DECAY *Double function*

- **Sub:** Select the waveform of the suboscillator between this two options, or silence:

▮ Square

▮ Pulse

Off Stops this oscillator.

- **Decay:** With the Control activated, sets the total time of the envelope filter sweep.

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. The true bypass switch keeps your sound intact when the effect is off.

11 - LED Control mode indicator. The led lights up when Control mode is engaged. Also, it blinks when changing the selection on knobs Wave and Sub.

Controls

12 - CONTROL *Double function*. Optical switch with this functions:

- By keeping the switch pressed, it makes a sweep on the sample rate set by the Alias knob.
- By tapping on the switch, it enters/leaves the filter Control mode, which enables the Start, Filter and Decay functions.

Trimpots

RV1: Treble: Hi-Shelving filter at the output of the effect.

RV3: A/D converter bias. Do not change.

Order in the effects chain



Technical specifications

Model 2016 – BYT-1

True Bypass

Input impedance: 750Kohm

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

Consumption: Regulated DC 9v center negative

Dimensions: 12 cm x 9.4 cm x 5.4 cm

Weight: 475gr

Use and care of the pedal

- 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.
- 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 an appropriate DC adapter.
- *The indicator LED doesn't light up, and when connecting the pedal, the power supply/other pedals turn off:*
Check that the DC plug doesn't have metallic parts that may touch the case of the pedal.
- *The effect is too weak, or the sound is unduly saturated:*
Use an appropriate DC adapter. If the pedal is connected in a loop, check its send and return levels.
- *The pedal makes a low pitched hum:*
Feed the pedal with a regulated dc adapter of sufficient amperage
- *The sound cuts out intermittently:*
Check the condition of the input and output cables.

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.

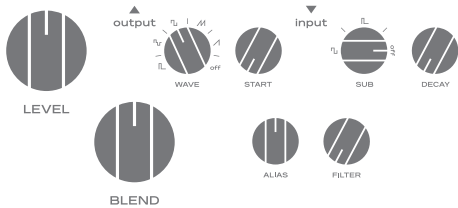
Sound Settings

Register your pedal!

www.dedalofx.com.ar/register

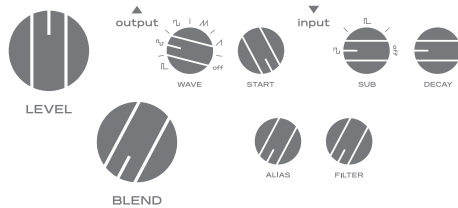
www.dedalofx.com.ar

Sound Settings

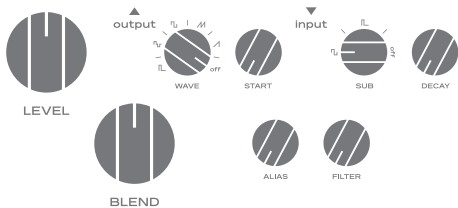


Pixel Bass (Use control)

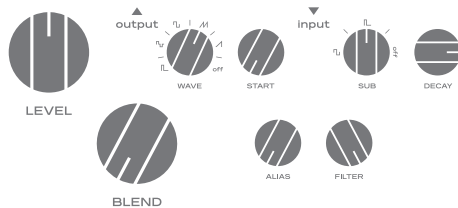
Sound Settings



Synth Bass

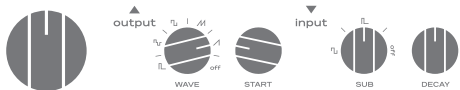


Clean Octave



Slow Sweep (Use control)

Sound Settings



Strings



MADE IN ARGENTINA

 dedalo