



# Benidub Digital Echo User Manual

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## Benidub Digital Echo



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## Technical Specifications

**Power Supply:** 12VDC, center positive, 2.1 mm x 5.5mm barrel type connector.

**Current draw:** less than 500mA

**Audio input:** 1/4" balanced or unbalanced MONO Jack

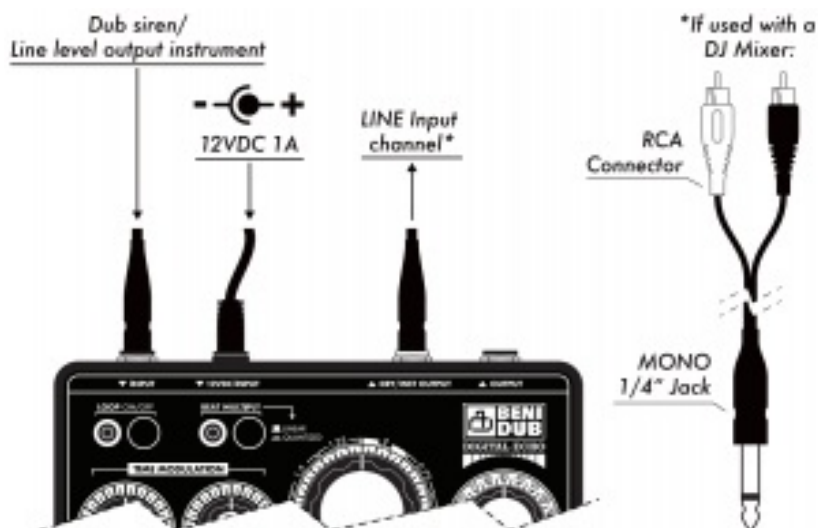
**Audio output:** 1/4" balanced or unbalanced MONO Jack

**Size:** 120x150x60 mm

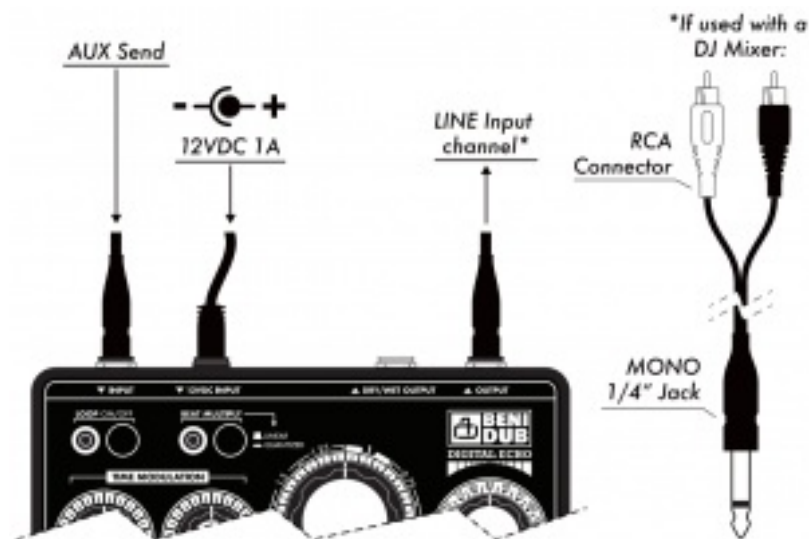
## For a correct use of the Benidub Digital Echo

1. The Benidub Echo provides a MONO line output, so it needs to be connected to a MONO line input of a mixer or preamp.
2. If used with a DJ mixer, a MONO 1/4" Jack to 2x-RCA cable is needed. NOTE: the 1/4" Jack must be MONO (see picture below). If the cable is STEREO the Digital Echo will only be heard on the left channel of your system.
3. While testing your unit for the first time, please make sure that the LOOP and MUTE switches are OFF otherwise you won't hear any sound.
4. Only use the provided power supply or one compatible with the specifications.

### DIGITAL ECHO – TYPICAL WIRING – A



## DIGITAL ECHO – TYPICAL WIRING – B



*Delay/echo FX unit created as musical instrument for live improvisation. DSP audio delay, multiplied, divided and modulated in real time by dedicated controls. The unit also features analog overdrive and filters to shape delay tone and feedback.*

## DELAY TIME SETTING

This echo unit provides two controls to set the delay time. They can be combined in several different ways:

### Technique A

#### **BEAT MULTIPLY set to QUANTIZED**

Set the BPM knob according to the song Tempo or half of it for songs faster than 120BPM. Now wherever you set the BEAT knob, it will only produce musical subdivisions, faster or slower but always in synch with the song.

0.25= 1/32:	0.50= 1/16
0.75= 1/16.:	1= 1/8
1.25= 7/8+1/32:	1.50= 1/8.
1.75= 1/4T:	2= 1/4

### Technique B

#### **BEAT MULTIPLY set to QUANTIZED**

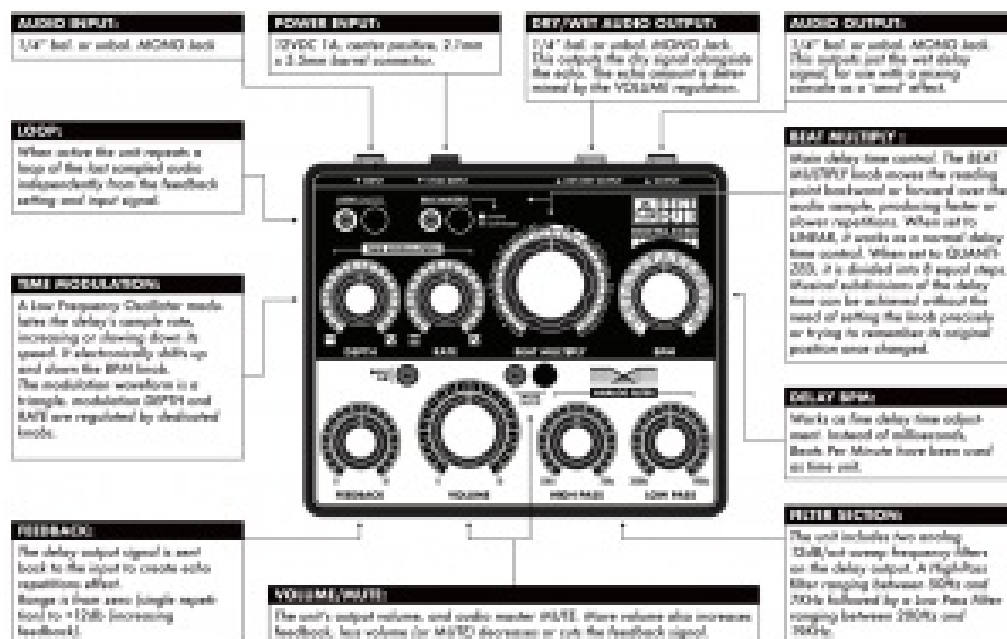
If BPM is not known or if you want different/more creative rhythms than the ones produced with technique one, place the BEAT MULTIPLY knob on any setting you want to start, then find by ear a good sounding delay with the BPM control. Moving the BEAT MULTIPLY knob between its 8 areas will produce just multiples or subdivisions in synch with the patten you have found, creating a new set of 8 nice sounding delay times.

### Technique C

#### **BEAT MULTIPLY set to LINEAR**

Set the BPM control in the middle position and use the BEAT MULTIPLY knob like any normal delay time control. On the left slower delays, on the right faster, with smooth transitions between different values.

## Overview



Designed and manufactured by



**BENIDUB**  
**MUSIC EQUIPMENT**

Info:

[www.benidub.com](http://www.benidub.com)

[orders@benidub.com](mailto:orders@benidub.com)

**BENIDUB**  
**DIGITAL ECHO**

## Documents / Resources



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