

Lser Manual

Contents Of This Manual

Introduction	3
Connecting	4
Connections	6
Parameters	7

Introduction

Thank you very much for purchasing/consider to purchase a Gotharman's Tube-box.

When connecting Tube-box to your Little deFormer 1 or 2, it will get an extra output with a tube filter. This extra output can be assigned to any of Little deFormers 4 audio busses.

This is a tube bandpass filter with drive. It can do anything from warming up the sounds you feed through it, to completely destroy your sounds, in a way that only a real tube circuit can do.

It is possible to feed it with Little deFormer's samplings, oscillators, and signals from the audio inputs.

All the adjustable parameters like drive, cutoff, resonance and modulation, is stored with each preset of your Little deFormer.

I hope you will enjoy it.

Connecting Tube-box and Little deFormer

For connecting Tube-box to your Little deFormer, you will need the 180 cm long cable, that was supplied together with your Tube-box.



If you should need a longer cable, or if your cable one day gets lost, you can use a 1:1, 9-pin SUB-D cable. If you have a Little deFormer 1, just notice, that like on the picture, pin 5 of the male connector must be cutted. This is because, on some Little deFormers, pin 5 on the expansion connector are connected to its audio path, and if this pin on the cable are connected, it will create a lot of noise on the audio. If you have a Little deFormer 2, you can just use the SUB-D cabel as it is.

Connecting

-Make sure that your Little deFormer 1 or 2 are updated with at least update 536. If it can't registrate the Tube-box, it will probably need to get updated.

- -Turn off your Little deFormer.
- -Connect the cable male connector to the expansion connector on Little deFormer.
- -Connect the cable female connector to the expansion connector on Tube-box.
- -Turn on your Little deFormer.

-It should now automaticly have detected the Tube-box. You can check this by pushing the "Edit" button one time, to enter the edit group select screen, and then push and hold the "Inc" button, to scroll through the edit groups. The last selectable edit group should now say: "Tube BOX". Push the "Edit" button one more time, to enter the parameters for it.

Connections



Audio Out:

The 1/4 inch jack connector is the audio output. Connect this to a mixer or an amplifier, or connect it to one of Little deFormers audio inputs, if you would like to re-sample or further process the sound from Tube-box. The sound is not internally routed back to Little deFormer.

Please notice: The audio output from Tube-box is rather high, so when connecting it to Little deFormer's audio inputs, the Volume knob should be set a little below half (as on the picture).

Parameters

When Tube-box are connected to your Little deFormer, a new edit group: "Tube BOX" will appear. Under this group, you will find the following parameters. All parameter values are stored within each preset.

Bus - Values: 1 to 4. This parameter selects which of the 4 audio busses, Tube-box are assigned to. Any samplings, synthsounds and audio inputs, assigned to the same bus, will be outputted through Tube-box.

The bus selected for Tube-box, will not be present on Little deFormer's main outputs. Signals are sent to Tube-box before any of Little deFormer's effects. When you trigger a sampling/synth, that are assigned to the same bus as Tube-box, its trigger LED will flash.

Drive - Values 0 to 255. Tube drive. At setting 0, no sound will go through the tube. Use a setting between 1 and 20, if you would just like to add some tube warmth and colouration to your sounds. Settings over 20 will overdrive/distort the sound, in a way that only a real tube can do.

Cut - Values 0 to 255. Adjusts the cutoff frequency of the tube BPF.

Reso - Values 0 to 255. Adjusts the resonance of the tube BPF. Higher settings will course the sound to distort significantly.

Levl - Value 0 to 255. Adjusts the output level of Tube-box.

Rate - Value 0 to 255. Adjusts the sample rate of Tube-box. 0 is the maximum sample rate, while 255 represents the lowest possible sample rate.

Folr - Values Off / On. When on, an envelope follower, that follows the signals sent to Tube-box, are controlling the output level. This is usefull to avoid constant screaming at higher resonance settings.

Cutmod 1 - Values: Source: Any Little deFormer modulation source. Amount: 0 to 255. Modulation of the tube BPF cutoff frequency.

Cutmod 2 - Values: Source: Any Little deFormer modulation source. Amount: 0 to 255. Modulation of the tube BPF cutoff frequency.

Resomod - Values: Source: Any Little deFormer modulation source. Amount: 0 to 255. Modulation of the tube BPF Resonance.

Drivemod - Values: Source: Any Little deFormer modulation source. Amount: 0 to 255. Modulation of the tube drive.

Written by Flemming Christensen "Gotharman" 2014

www.gotharman.dk