

Arp & Clock

Arpeggiators automatically synchronize to the **MIDI clock** (from DIN or USB). The **internal part clock** (Arp Tempo) is used when no MIDI clock is available.

Power

Buzzzy! is a **USB powered** device. You can safely attach:
- a computer / tablet / smartphone
- a USB wall adapter or power bank

HEAD Headphones output Stereo line outputs **LEFT / RIGHT**

•long press: set the hold mode **ARP Mode**

ENV Mode

Select the currently edited part
long press: init the partALT + long press:enter the MIDI learning modefor the edited part

In PART

USB - 5V

MIDIN

HEAD

둄-

RIGHT

BUZ Poice - 4 D

part MIDI

ZY!

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Mix / Mod Push FX + turn RANGE

STORE

SPACE

DELAY FILTER

USBProvides power to the device
Supports **MIDI over USB**

MIDI IN

Connect to a MIDI keyboard, controller, sequencer ...

Choose an AD or ASR envelope long press: set the loop mode

Enable part effects
•ALT + FX: set the FX variation
•FX + RANGE: set FX mix level
Space & Delay FX are exclusive FX (Space / Delay / Filter)

Store

BANK

Load or save a multi
long press: save the e
ALT + press: select t ave the edited multi

Wave Low resolution) waveforms e, triangle,

Sharp edged Square, pulses, PWM ...

waveforms alternative

Engines

Chiptune sine, trian sawtooth, organ waves

Don't Don't forget our planet!



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:

RANGE / DEPTH

Set various effect parameters

Range: decay / feedback / cutoff

Depth: size / length / resonance

DECAY / ATTACKConfigure the volume envelopecay: set decay / release that the configure attack: set attack time

envelope lease time

Wave: select the wave variation **Engine:** select the part engine (Pulse, FM, Wave, Noise)

Set the part volume and panning Level: set the sound volume Pan: set the position in stereo

LEVEL / PAN

WAVE / ENGINE

sound parameters

Double click: lock the ALT switch

0

access to the alternative

ALT A

Ξ

Softer 2 operator FM waves Linear phase modulation Bass, piano, marimba ... sampling rates

Noise

Various LP / HP filtered and colored noises at variable

Buzzzy! module - quickstart manual

V1.0 09.09.19

Feel free to write us at: support@fredslab.net

First setup

Connect the suitable power **USB** cable Buzzzy! to **Buzzzy!** to a **source** using a

4

satisfactory sou the **LEVEL** knob

Adjust the **part volume** to a satisfactory sound level * using

D Attach the **line outputs** to a mixing desk, active speakers or use headphones

G

Get ready for the jam!

- Connect a MIDI keyboard or controller to the MIDI DIN input or use MIDI over USB
- * **Buzzzy!** is capable of producing loud sounds using a speaker system or headphones. So be careful!

Requirements

To play the **Buzzzy!** you need:
- a MIDI controller (Keyboard)
- a stereo audio system or
a pair of headphones

The **Buzzzy!** can be controlled by a computer over USB or an hardware sequencer using the MIDI connectivity.

Create original sounds

alone. Finally, adjust the volume envelope using ATTACK select the desired engine, using ALT + Then, set the wave variation turning the same the WAVE knob

blinks. Refine your sound by adding one or more effects. To store your multi, press STORE until the sele inks. Et voilà! selected slot

ARP parameters

Assign MIDI channels

Enable MIDI learning mode to set the channel of a specific part. With ALT pressed, push the PART switch until the led blinks. The MIDI channel of the first note received will be attributed to this part. **Arp** special parameters are printed in *italic* on the **Buzzzy!** frontpanel. They are modified turning the respective knobs while maintaining the **ARP** switch depressed.

Buzzzy! uses simplified **SYSEX messages** to import, export, manage and archive **multis** (or **sounds**) and **global parameters**. The use of a MIDI sysex software is required. More information is to be found in the user manual.

Dump / receive sounds

FO 00 00 F7

Globals

Dump requests

no options available

Globals

Dump messages

FO 10 00 ... F7 received sysex is 12 bytes long.

Multis

mm is the desired **multi** from 0 to 127 corresponds to the edit buffer.

15

FO 01 mm F7 Multis

FO 11 mm ... F7 received sysex is 324 bytes long

Sysex contents and formats as well as the complete MIDI implementation can be found in the Buzzzy! user manual available to download at: http://fredslab.net

Legal mentions

and USA FCC requirements. quality criteria and meet all applicable Europe CE, This product has been carefully designed following strict icable Europe CE, Canada

in Germany by Fred's Lab and Designed, assembled and tested industry partners



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