

beatnic.jp's

BassBoy+
Digital based monophonic MIDI controlled

Owner's manual

Thank you for the purchase this product.

beatnic.jp's **BassBoy+** is digital based monoghnic MIDI controlled bass synthesizer. The heart of this gadget is Bassboy that provided from MikroElectronika. I add the physical controller and put it together into original enclosure. That's **BassBoy+**. This is one of collaboration over the national borders. Please enjoy the ensemble of hardware.

Keep out next statements and enjoy it.

- Don't use this at so hot or cold place. Especially avoid to get water or so.
- $\boldsymbol{\cdot}$ Set it on stable position and avoid to drop down to the Earth.
- Wipe off with neutral detergent solution when it get dusts.

[Connections of beatnic.jp's BassBoy+]

DC12V Adapter

MIDI IN

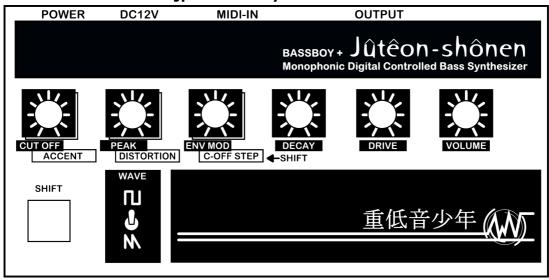
MIDI Equipments
Master keyboard
or PC-based sequencer

DC12V Adapter

MIDI Equipments
Master keyboard
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Chart shows typical connections for beatnic.jp's **BassBoy+**. Use AC adapter that comes with beatnic.jp's Mountain or recommended one by beatnic.jp. You can find order # at the last of this manual.

[Parameters of beatnic.jp's BassBoy+]



Front panel of **BassBoy+** has 2 switches and 6 knobs. You can controlle all the parameters of BassBoy that inside of this box by those controllers. And the MIDI stream that get into MIDI input connector of **BassBoy+** is totally throw thorugh to BassBoy inside. So all the MIDI functions that BassBoy had can use from **BassBoy+**. You can find more information about total manuals for BassBoy on internet.

English version :

http://www.mikroe.com/downloads/get/1621/bassboy_manual_v102.pdf Japanese version :

http://beatnic.jp/manuals/bassboy_manual_jp.pdf

BassBoy that's inside of **BassBoy+** is set as LIVEMODE. So When you play as legato from MIDI keyboard then there is no re-trigger of Envelope Generator and pitch may change in continuously by fixed rate. it's auto-slide effects

SHIFT

Three knob from the left of panel assigned two patameters for each. You can choose which parameters that you want to change by a shift switch. While holding down the shift switch, LED will light at just upper side of shift switch and you can change white parameters.

You can shift lock by double tapping. Tap shift switch twice in short period, LED will keep lighting and shift mode will keep without holding down shift switch. You can back to un-shift state by tapping it again.

Wave

This switch will change the wave form of Oscillator.

Up positions get square wave and down position get saw wave.

You can change it by Contorolle change from MIDI stream. So when you change it through MIDI stream then the panel switch may be deffelent state with real state.

In this case you can fixed by changing switch again on the panel by your finger.

CUT OFF

ACCENT

BassBoy has low pass filter that implemented by software inside.

And this parameter change its cut off frequency.

Turning left this knob then frequency getting down and most of contents of wave form will cut off. Then the total volume may be got down and sound may be got more soft and mellow.

Turning it most right side then all the contents of wave form may getting through the filter. You can get almost original wave form that you set the wave form switch.

When you holding down shift switch, this knob can change amount of accent effect. Accent effect works with the velocity that coming from MIDI stream. More than 101 will trigger it.

Actions of Accent are combinations of several parameters.

Decay time will be shorten to 0.25mSec it's most short settings.

When you set resonance as deeper then modulations of fitter may be moderate and if it not then, modulations may getting be more hard.

Slap methods for E-bass or so.

PEAK DISTORTION

PEAK will set amount of peak that getting around cut off frequency of the filter.

Most left side there is no peak, turning right side increase peak. 4 o'clock (in the clock methods) may be max. more than it, the filter may be getting self oscillations. This course another sound than you pay by oscillator.

Holding down shift switch then this knob get into Distortion controlle

this parameter on original BassBoy works as increase its

output level. And it may overdrive the equipments outside of BassBoy.

And much more output level rises digital clip on DAC that BassBoy have its inside.

In **BassBoy+**, make this parameter up then volume parameter will be got down. So there is no volume changes. Only digital clip can be appears. You can get wave form change to square shape.

C-OFF STEP

You can get dynamic tone change by modulation by the signal from envelope generator. This parameter change amount of modulation for the filter

Holding down shift switch then you can change the step rate of changing cut off knobs. This parameter works as glide effect for cut off knob actions.

Turn it to right then steps are getting small so your actions on the cut off knob appears slowly, just like glide knob adds effect on the pitches.

Turning it to Right side may be increase the step for changing cut off. So effect of turning on the cut off knob may quickly follow your actions.

You should better to use this parameters in the phrase that you playing. You can't get good effect in the timbre making.

Use this parameter and feel how wonderful by your finger tips.

DECAY

Typically, usual envelope generator has 4 parameters (ADSR) But BassBoy has only one of them. This parameter change the decay time. Most short setting is 0.25mSec and most long is 2Sec

DRIVE

BassBoy has the parameter that named as "Filter Pre Gain". In **BassBoy+**, I change the name of it to "drive" to make it more easy to understand.

This parameter changes the input gain for the digittal implemented filter on the software. Changing this pameter rises soft and natural distortions.

Increasing this parameters may suppress the peak effect but you can get more fat and warm feelings that different from Distortion effect

VOLUME

you can change the out put volume.

[SPEC]

Front Panel

CutOff / Accent knob

Peak / Distortion knob

ENV MOD / C-OFF STEP knob

Decay knob

Drive knob

Volume knob

Wave shape Switch(Saw / Sqr)

Shift Switch

(Upper 3 parameters can be changed by shift switch)

Rear Panel

Power Switch

DC12V (AC adaptor input)

MIDI-IN (channel is fixed to 1ch)

OUTPUT (audio output Φ6.3mm)

MIDI Specifications

MIDI-CH is fixed to 1ch / Note On / Note off

All the parameters on the front panel can be

controlled by controle changes.

Size / Weight

140X80X35mm (without outshoot)

185g

"BassBoy" is Trademark of MikroElectronika. And beatnic.jp gets permission to re-sale of "BassBoy" from MikroElectronika.

beatnic.jp recommended AC adapter : Order ID #059 AC adapter 12V

MikroElectronika: http://www.mikroe.com/

BassBoy - Monophonic digital MIDI controlled bass synthesizer

: http://www.mikroe.com/add-on-boards/audio-voice/bassboy/

beatnic.jp : http://beatnic.jp/

BassBoy+: http://beatnic.jp/products/bassboyp/

beatnic.jp's BassBoy+

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