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ROLAND HI-HAT & RIDE GUIDE
for 2box™ DrumIt Three

ZOURMAN DRUMS GUIDE for ROLAND™ VH-11/12/13 HI-HATS & CY-12CR, CY-13R/15R Rides for 2BOX™ DRUMIT THREE

We'd first like to take a moment and congratulate you for purchasing a 2box Drumt It Three module.

The 2box module has become popular among e-drummers, mostly for its real samples and open-source approach. And while the new "Three" module is compatible with triggers from other manufacturers, users still needs some guidelines setting up the hi-hats and three zone rides cymbals. This product guide from Zourman Drums will enable 2box owners to easier navigate through the settings – particularly the popular Roland range.

For DrumIt Five users our conversion modules still combines the best of both worlds: the Roland + ATV Hi-hats and three zones rides together with the 2box module.

In the factory sounds shipped with DrumIt Three - one version of Zourman Drums 1920s Black Beauty 3 zone snare sample exists. You can buy and download the rest of this snare samples at www.zourman.com.

Happy Drumming

Anders / www.zourman.com

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GENERAL 2BOX MODULE NOTES.

Always upgrade to the latest 2box firmware/OS for 2box. [Three 1.32.4 and Five 1.32.4] before entering any setup process to avoid strange behaviour and also utilize the latest functionality. The current firmware can always be found http://2box-drums.com/ website. If you face problems, a common recommendation is to start with a fresh Drumit.dkt file. Don't forget to backup your existing file on the module.

SETTINGS FOR ROLAND VH-11

Before doing the calibration process on 2box DrumIt Three

- Connect the hi-hat PAD (Bow/Edge) to hi-hat input A using a stereo (TRS) cable.
- Connect the hi-hat pedal to hi-hat input B using a stereo (TRS) cable.
- A good starting point is by rotating the clutch screw on the VH-11 hihat from its 100% fully closed position to about two turns (720 degrees) towards open.
- Let the Hi-Hat clutch fall down on the Hi-Hat controller by its own weight.

```
TYPE   XTALK  LEVEL    T
HiHat  Med             R
GAIN   THRES  CURVE    I
 0     -44    Norm     G
```

```
CALIB   RAW   LEVEL    H
R-■-    850            C
HTYP   POFF   PFACT    A
DEF    23712   69      L
```

```
                       H
                       S
                       E
HHPOS  Sens   CURVE    T
 Off    -5    Neg2
```

2box DrumIt Three Calibration

- Set HTYP to DEF on the HCAL PAGE
- Adjust the RAW value when the hi-hat is in the closed & own weight position to about 850 by using a screwdriver to change the setting of the recessed screw (HH Cal) on the module's back panel.
- Press calib button two times slowly.
  This will start the calib process and then set the closed position value.
- Secure the Hi-Hat clutch at a comfortable height for playing.
  (I would say 1-1.5 cm gap from closed to open)
- Press the calib button to finish and store the open position.
- Adjust the GAIN on the TRIG Page. When hitting hard you should just get 0 db on level max.

After calibration process

- To make the hi-hat to get a more smooth and longer halfopen etc...rotate the VH-11 clutch screw towards open about a quarter to a half turn.
- *I have found that a quarter turn towards close (from the default position mentioned above) makes the best results to make it more sharp, exact and fast!*
- Adjust the HSET pages according to my pictures. The pedal chick is very sharp and very high according to rest of the sounds - my suggestion is to bring Sens and Curve down according to the picture of HSET page.
- I have also found that by adjusting PFACT about -5 steps from the original value gives a bit smoother hi-hat operation.
- Ready!

SETTINGS FOR ROLAND VH-12

Before calibration process
- Connect the PAD + pedal cables to your DrumIt Three device.

Calibration process
- use the same calibration process as described for VH-11

After calibration process
- Adjust the pfact about + 5-10 steps.
- Adjust the settings for the Trig and HSET page according to the pictures.

```
TYPE   XTALK  LEVEL    T
HiHat  Off             R
GAIN   THRES  CURVE    I
 0      -36   Norm     G

CALIB  RAW    LEVEL    H
R-•-    771            C
HTYP   POFF   PFACT    A
DEF    24632   119     L

                       H
                       S
HHPOS  Sens   CURVE    E
Off    -2     Neg1     T
```

SETTINGS FOR ROLAND VH-13

Before calibration process
- Connect the PAD + pedal cables to your DrumIt Three device.

Calibration process
- use the same calibration process as described for VH-11

After calibration process
- Adjust the pfact about + 5-10 steps.
- Adjust the settings for the Trig and HSET page according to the pictures.

```
TYPE   XTALK  LEVEL    T
HiHat  Off             R
GAIN   THRES  CURVE    I
 0      -36   Norm     G

CALIB  RAW    LEVEL    H
R-•-    769            C
HTYP   POFF   PFACT    A
DEF    24504   97      L

                       H
                       S
HHPOS  Sens   CURVE    E
Off    -2     Neg1     T
```

SETTINGS FOR ROLAND CY-12CR RIDE

The found best settings for Roland CY-12CR - please see the picture:
Please note – to be able to change the ¤L, M or H…press down "more" + the rotating knob when at the gain field)

```
TYPE   XTALK  LEVEL    T
CyPSB  Off             R
GAIN   THRES  CURVE    I
6¤H     -36   Norm     G
```

Cable Connections:
- The e-cymbal bow/edge goes in to cymbal input 1, 2 or 3 A
- The e-cymbal bow/bell goes in to cymbal input 1, 2 or 3 B

Please make sure that a 3 zone ride sound has been assigned for the actual 2box input.
A +++ indicates that a 3 zone sound has been assigned.

SETTINGS FOR ROLAND CY-13R RIDE

The found best settings for Roland CY-13R - please see the picture:
Please note – to be able to change the ¤L, M or H…press down "more" + the rotating knob when at the gain field)

```
TYPE   XTALK  LEVEL    T
CyPSB  Off             R
GAIN   THRES  CURVE    I
9¤M     -36   Norm     G
```

Cable Connections:
- The e-cymbal bow/edge goes in to cymbal input 1, 2 or 3 A
- The e-cymbal bow/bell goes in to cymbal input 1, 2 or 3 B

Please make sure that a 3 zone ride sound has been assigned for the actual 2box input.
A +++ indicates that a 3 zone sound has been assigned.

SETTINGS FOR ROLAND CY-15R

The found best settings for Roland CY-15R - please see the picture:

Please note – to be able to change the ¤L, M or H…press down "more" + the rotating knob when at the gain field)

Cable Connections:
- The e-cymbal bow/edge goes in to cymbal input 1, 2 or 3 A
- The e-cymbal bow/bell goes in to cymbal input 1, 2 or 3 B

Please make sure that a 3 zone ride sound has been assigned for the actual 2box input.
A +++ indicates that a 3 zone sound has been assigned.

TYPE	XTALK	LEVEL	T
CyPSB	Off		R
GAIN	THRES	CURVE	I
13¤H	-36	Norm	G

Links
- http://www.zourman.com
- http://2box-drums.com/
- http://www.roland.com
- http://www.2box-forum.com
- http://www.digitaldrummermag.com

Movies about how to configure Roland Hi-hats and Rides for DrumIt Three can be found at Zourman Drums Youtube Channel.

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Credits
Allan Leibowitz / digitalDrummer
Zourman Drums Friends

www.digitaldrummermag.com

More information
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FB: http://www.facebook.com/zourmandrums

This manual can be downloaded from zourman.com