



YAMAHA DTX HYBRID EXTENSION PACK

EXPAND YOUR ACOUSTIC DRUM-KIT WITH E-DRUM SOUNDS

There were times when Hybrid Drums were only talk about in back rooms, since inveterate acoustic drummers never wanted to admit that they also used E-Drums or even Triggers. Those days are long gone. Hybrid Drums are absolutely popular and are also used by many professionals.

The combination of acoustic and electric drums has the advantage that it is very versatile in terms of the sound selection. If an ambitious cover band drummer not only plays rock, but also pop, hip-hop, or dance music, a good hybrid kit would provide him with all the sounds he needs to play the different songs and styles.

THE HYBRID EXTENSION PACK



This package is ideal for starting because it contains Triggers, Pads, Holders and an E-Drum Module with the latest sounds and great features. Because almost all Yamaha electronic drum products and hardware can be purchased individually, the kit can also be expanded at any time.

The Hybrid Extension Pack consists of:

- 1 x DTX502 Drum Trigger Module
- 1 x XP100SD Snare Pad
- 2 x XP70 Tom Pads
- 2 x DT20 Triggers
- 2 x CL940B Ballclamps
- 3 x CSAT924A Multiclamps



DTX502 Drum Trigger Module



XP100SD Snare Pad



XP70 Tom Pad



CL940B Ballclamp



CSAT924A Multiclamp



DT20 Trigger

SETTING IT UP – THE ACOUSTIC KIT

My particular kit is a Yamaha Absolute Hybrid Maple acoustic kit in "Green Sparkle". The term "Hybrid" is already found in its name, but in this kit that has to do with the types of wood. A 22" bass drum, 10" & 12" toms and a 14" snare. I mike up the drums and hi-hat with microphones, because I want to mix the acoustic sound and the electronic drum sound. I have equipped the kit so that I'm able to simultaneously record three signals in the studio, namely:

Acoustic kit with mics • E-Drum Kit • MIDI signal

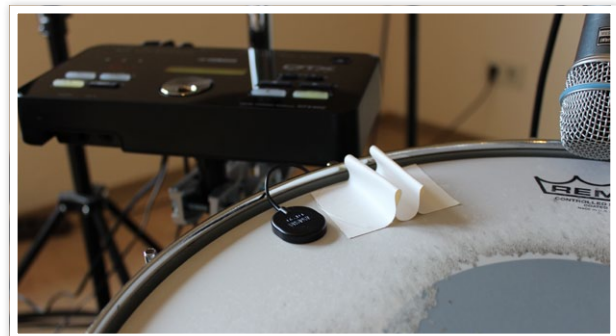
That keeps me all the options for the post-production, which I will explain later.

THE TRIGGERS

The Hybrid Extension Pack contains two DT20 Triggers. I use them for snare and bass drum. I also need two phone jack cables, because the Triggers are delivered without cables. The Triggers have small adhesive pads and will be glued to a place of the drum head which is not hit at any time. There are many replacement adhesive pads included, if you change the drum head or want to stick the Trigger to another location. The jack of the Trigger also has a holder with adhesive pad.

Hint: If you have shells with a sensitive paint, I would recommend to use a stripe of painters masking tape or the like and sticking it on the shell, so that the adhesive pad of the holder is not glued to the shell itself, but to the tape - this way it is easier to replace the holder.

Once the Triggers are placed in position they are connected to the module. The bass drum Trigger to the Kick Input and the snare Trigger the TOM3 Input, because I want to connect the Snare Pad to the Snare Input.



THE SNARE PAD

A great XP100SD 3-zone Snare Pad is included in the pack. I put it on a snare stand to the left of the HiHat. "Three zones" mean that you can play three sounds with the Pad: One center and two rim sounds. The Pad is connected to the Snare Input of the Module using the corresponding cable.



THE TOM PADS

The supplied Yamaha hardware is absolutely professional and very flexible. With the two Ballclamps and three Multiclamps you can easily integrate the Pads and the Module in your acoustic kit. I mount the Pads between my acoustic toms and connect them to the Inputs Tom1 & Tom2 of the Module.



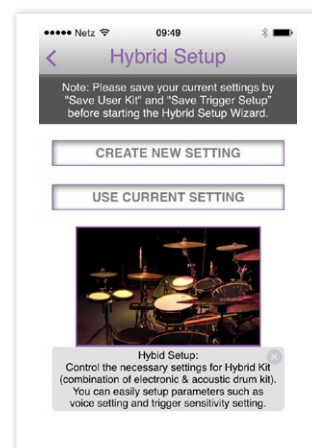
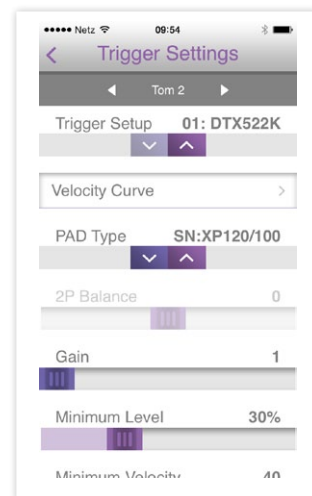
SETTINGS - IPAD - MODULE & APP

There is a free app for the DTX502 module. It is called "DTX502 Touch" and can be downloaded from the AppStore for the iPad or iPhone. I have integrated an iPad Holder in my kit and use my iPad mini.

This great tool eases the programming of my Hybrid Drum Kit. Once I have connected the app to my Module, I can change its settings with only a few finger taps on the app.

Since the Module can not know what Pads I have connected to which Inputs, I first have to adapt the Pad and Trigger settings to my setup.

The app even provides a Hybrid Setup "Wizard". This Wizard is a perfect aid and leads me through the menus step by step.



SETTINGS WITHOUT APP

Of course you can do all settings without using the app. You can find the correct Pads and settings in the Trigger menu. But it is not always easy to find a perfect Velocity Curve for the Triggers. Depending on the drum head's tension double trigger releases may result. But the DTX502 gives you all the options to adapt your kit to such circumstances, such as Velocity Curve, Gain, Crosstalk, RejectTime, and others.

ASSIGNING SOUNDS

In a second step use the menu navigation or the app to assign sounds to the Pads and Triggers. You can freely choose the sounds, tune them, muffle them, assign effects and much more.

RECORDING IN THE STUDIO

After a successful soundcheck of the microphones and the completion of all the settings on the Drum Trigger Module, I connect the DTX502 via USB HOST with my studio computer. For this the Module, however, needs to be disconnected from the Touch app - after saving the settings! A single long USB cable is required to make a MIDI connection. Then I can also record the MIDI events onto an extra Track in Cubase. Now I have the individual microphone Tracks as Audio Tracks, the DTX502 module as a stereo Audio Track and a MIDI Track.

The MIDI track has the advantage that I am able to assign different sounds to the events later in the post production. They can either come from other sound modules or plug-ins or from the DTX502.



CUBASE IC PRO APP

Since I have disconnected the Module from my iPad (after saving my settings), I can use the iPad for another great app: Cubase IC Pro, which is a remote control for Cubase via WLAN. For me as a lone fighter in the studio this is a very handy tool. It offers me full control over Cubase completely from the recording room, so it don't have to leave the room and my drum kit.

Could not be better.

MY CONCLUSION

A great start into the hybrid world. A perfect setup for live and in the studio. I'm going to integrate additional Pads and Triggers. The price / performance ratio is great and the setup is super easy.

Your Ralf Mersch

