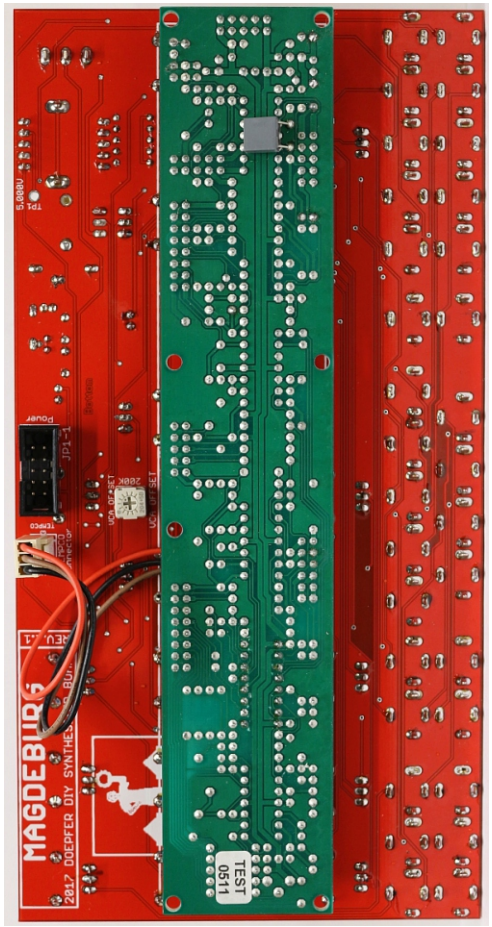
PRODUCT FEATURES



+ Doepfer DIY Synth eurorack module conversion device
+ Extremely easy and straightforward assembly, no DIY skills neccessary at all
+ Self-contained analog monosynth voice
+Seven essential submodules that can be used independently
+ Normalled breakable connections. MS-20 style
+ 31 patching points

TECHNICAL DETAILS

+ Eurorack standard synthesizer module, fully Doepfer compatible
+ 42 HP wide
+ +12/-12V powered
+ current draw with DIY synth module approx. 170mA

WARRANTY INFORMATION: UK_ELECTRONIC WARRANTS THIS PRODUCT TO BE FREE FROM ANY CONSTRUCTION DEFFECTS FOR TWO YEAR FROM THE DATE OF PURCHASE. DURING THAT PERIOD ANY MALFUNCTION UNITS WILL BE REPAIRED, SEVICED AND CALIBRATED WITH CUSTOMER COVERING THE APPROPRIATE TRANSIT FEES. WARRANTY DOES NOT COVER ANY PROBLEMS RESULTING FROM THE INCORRECT INSTALLATION OR VOLTAGES SUPPLIED, ABUSIVE TREATMENT OR ANY OTHER OBVIOUS USER-INFLICTED FAULT. WE ARE STILL HAPPY TO HELP AFTER THE WARRENTY PERIOD, HOWEVER WE RESERVE THE RIGHT TO CAHRE FOR LABOR, REPLACEMENT PARTS AND TRANSIT. IN CASE OF ANY PROBLEM CONTACT US IMMEDIATELY: INFO@UK-ELECTRONIC.DE

MADE IN GERMANY - WEEE-REG.-NR.: DE21642369

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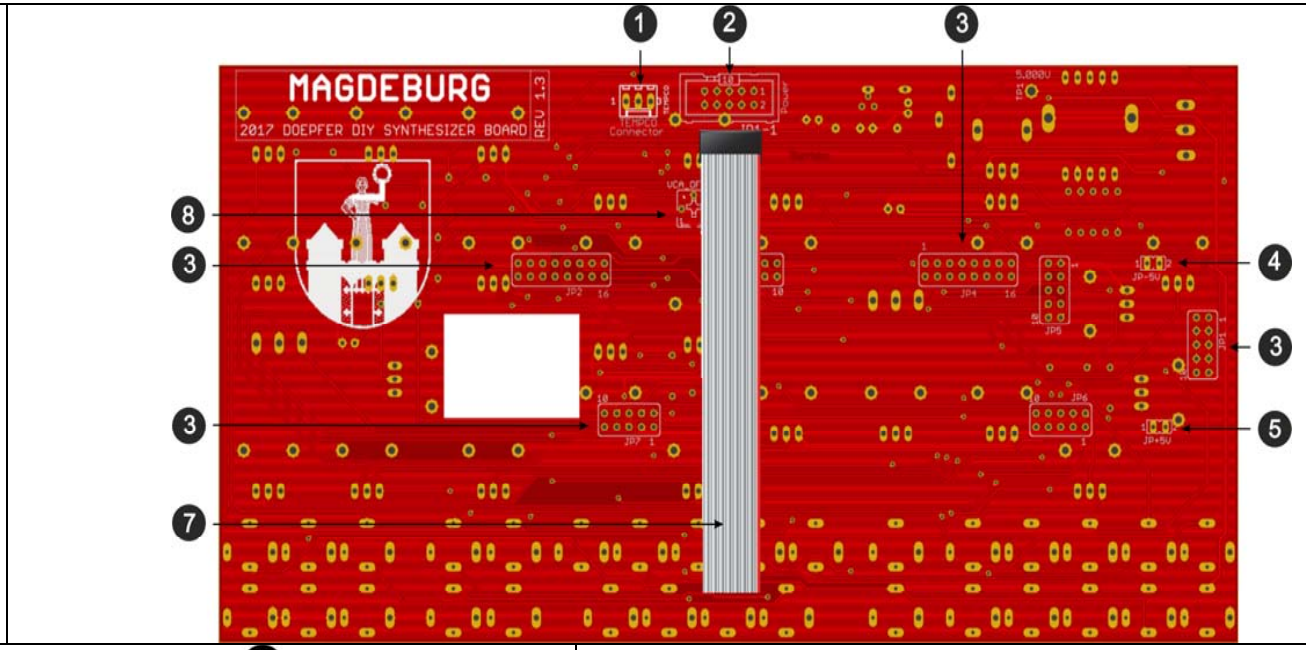
OPERATORS MANUAL 18/1.0

Thank you for purchasing the MEK-sonddesign product. The purpose of developing the Magdeburg was to provide a super easy to implement compact solution to convert the ever popular Doepfer DIY Synth Board into an eurorack module. No DIY skills are necessary, as there‘s no soldering or wiring needed at all.
The Magdeburg+DIY Synth combo is the most economically effective and rewarding entry solution for modular beginners. All the essential functional blocks are provided so you can learn the subtractive synthesis basics, but it is also a great addition to more adavanced systems as well. Great thank‘s you Dieter Doepfer!

Assembly & Installation

The MD unit needs the Doepfer DIY Synth board to work, it is sold separately. If you have bought a bundle, chances are that the dealer has already mounted the board for you. If not – the installation is extremely easy and straightforward, just please read the following steps carefully to avoid problems.

1. If your DIY Synth is equipped with a tempco, unplog its cable from the onboard socket.
2. Plug the tempco connector in the respective socket **(1)** on the back of the MD unit. It is located to the right of the power head **(2)**
3. Now, push the DIY Synth on all the headers **(3),** very gently. Observe the goldpins carefully to avoid bending them. Attention on the 2 sockets **(4)** and **(5).**
4. Make a connection from the power socket (2) to the busboard of your cabinet. The red string indicates the -12V rail on the module (dot mark). Measured the 5V Voltage on the testpoint TP1 (5.000V). trimming with R19 2K Trimmer. **Caution!** The MD unit is **NOT** secured against reversed power connection.
5. Mount the screws and turn your system back on. If your system working the green and red LED are blinking.



Controls & Operation

The panel has been laid out in most obvious monosynth style manner. We took advantage of all inernal patchpoints provided by Doepfer. Also, there are normalled connections made behind the panel so you can use the MD as a selfcontained analog synth voice without even plugging any patch cables in. These fixed connections are marked by with respective function typed within the [BLACK BOXED]. Of course, the real fun starts when you break them by simply patching anything into their respective input jacks.

The synth sconsists of 7 modules: VCO (**9**), LFO (**14**), VCF (**10**), VCA (**11**), ADSR (**12**), Slew limiter (**13**) and inverter (**16**). All of these can be used independently. For rurther information, lease refer to the the Doepfers DIY Synth manual.

Modification: Fixed VCF outputs are now mixed in different configuration and the vca offset can be adjusted by the trimpot (**8**) on the back.

By design, the VCF resonance is provided by feeling the output back in. We found it fun to actually open up the feedback loop for routing the signal outside (any output) and back (RES FDBCK IN SOCKET (**15**). Now you can obtain some interesting results with the external threatment through effects, filters, etc. Happy experimenting!!