

DOEPFER KEYBOARDS 2015-01



LMK4+

Midi/USB Master Keyboard

*Graded Hammer Action
Keybed TP/40GH with 88 Keys
upon request also with black case available*



- LMK4+ is a high class Midi and USB masterkeyboard. Here is a list of the most important features of the LMK4+:
- q 88 keys graded hammer action keybed TP/40GH
 - q Built into a **grey** or **black** flight case with removable lid
 - q 2-line, 16-character LC display, adjustable backlight/contrast
 - q 24 function buttons grouped in three rows of 8
 - q 8 LEDs (indicators for the top row of buttons)
 - q 2 wheels (one spring-loaded), 2 sliders, 1 rotary knob
 - q 1 rotary encoder (endless rotary switch)
 - q Monophonic after touch (channel after touch)
 - q Velocity, max. 127 steps resolution (dependig upon selected velocity curve)
 - q External 1/4" input jack for double footswitch
 - q 2 External 1/4" input jacks for sweep pedals
 - q two separate Midi outputs
 - q USB interface (outputs data of Midi output #1)
 - q Midi input, treated as a separate split zone (e.g. for connecting another keyboard or bass pedal)
 - q Wheels, sliders, after touch sensor, rotary potentiometer, pedals and foot switches can be assigned to any Midi controller (or pitch/after touch)
 - q Additional transmitted Midi messages:
 - m Program change
 - m Program bank (controllers #0 and #32)
 - m Start, Stop, Continue, Clock
 - m All notes off on all Midi channels (panic key)
 - q Foot switch activated preset change
 - q Preset change via incoming program change messages (disengageable)
 - q 32 velocity and 8 aftertouch response curves
 - q 8 user definable controllers (controller no # 0...127 can be assigned)
 - q Adjustable velocity response reduction factor for black keys
 - q Adjustable aftertouch effect if assigned to pitch bend (positive/ negative effect)
 - q Proportional volume control of different zones with one controller
 - q 128 total presets. The following parameters can be adjusted/defined by the user in each preset:
 - m Assignment of controllers (wheels, sliders, rotary knob, pedals, footswitches, etc.) to Midi functions (pitch bend, modulation, after touch, volume, panorama, portamento, sustain, soft pedal, sostenuto and 8 user-defined controllers)
 - m Name of the preset (up to 8 characters)
 - m Preset tempo (Midi clock)
 - m Transmission of Start, Stop or Continue at time of preset call-up
 - m Preset pointer (number of the next preset selected via footswitch, loops are possible)
 - m Definition of 8 overlapping keyboard zones. The following features can be defined/adjusted by the user in each zone:
 - u zone used for internal keyboard or Midi input
 - u Upper/lower key
 - u Midi channel (1...16)
 - u assigned Midi output (1, 2, both or none)
 - u any transposition in half-note increments/decrements
 - u Selection of one of 32 velocity and one of 8 aftertouch response curves
 - u Activity of each controller on/off
 - u Program change, bank no (ctr.#0/32) and volume sent when preset is called up (disengageable)
 - u Piano mode on/off (i.e. sending of a note-on event at minimal key motion)
 - q Dump function (for single presets or the entire preset memory)
 - q Dimensions: about 139/155x27x11 cm (76/88 keys)
 - q Weight: about 22/24 kg (76/88 keys)
 - q XLR connector for external power supply
 - q external 115...230V power supply with europlug mains connector is included
 - q For other mains connector types or other mains voltages the power supply has to be purchased by the customer in his country (7...12V DC, 500mA with XLR femal connector required)

LMK2+

Midi/USB Master Keyboard

*Graded Hammer Action
Keybed TP/40GH with 88 Keys*



LMK2+ is a high quality Midi/USB masterkeyboard for all applications where extraordinary masterkeyboard functions are not required but a high quality keyboard with real piano style graded hammer action, aftertouch and two wheels are indispensable (if you need high level masterkeyboard functions see LMK4+).

- q 88 keys graded hammer action keybed TP/40GH
- q Built into a black flight case with removable lid
- q Monophonic aftertouch (channel aftertouch)
- q Velocity, max. 127 steps resolution, depending upon selected velocity curve
- q 8 velocity response curves
- q 2 wheels: the spring-loaded one is used for pitch-bend, the other can be assigned to any Midi Controller from #0...#31 (e.g. #1 = Modulation)
- q External ¼" input jack for double-footswitch (Sustain and Sostenuato function)
- q External ¼" input jack for sweep pedal (Volume function)
- q After touch, wheels, ext. footswitches and pedal can be turned on/off in each zone
- q Midi output
- q USB interface (outputs the same data as the Midi output)
- q 3-digit LED display
- q 8 menu-buttons with LED indicators
- q Adjustable velocity reduction factor for black keys
- q Non volatile memory for the latest keyboard configuration
- q The following additional Midi messages are transmitted (in connection with keyboard keys)
 - m Program change
 - m Program bank (controllers #0 and #32)
 - m Start, Stop, Continue
 - m All notes off on all Midi channels (panic key)
- q Four overlapping keyboard zones. The following features can be defined or adjusted by the user in each of the 4 zones
 - m Upper/lower key of the zone
 - m Midi channel (1...16)
 - m Any transposition in half-note increments/decrements
 - m Selection of one out of 8 velocity response curves
 - m Activity of wheels, after-touch, foot-switches and foot controller on/off
 - m Controller number for wheel #2
 - m Piano mode on/off (i.e. sending of a note-on event at minimal key motion)
- q Dimensions: about 132/148 x 28 x 12 cm (76/88 keys)
- q Weight: about 22/24 kg (76/88 keys)
- q XLR connector for external power supply
- q external 115...230V power supply with europlug mains connector is included
- q If the LMK2+ is connected to USB no external power required provided that the USB host is able to deliver 200 mA current
- q For other mains connector types or other mains voltages the power supply has to be purchased by the customer in his country (7...12V DC, 500mA with XLR femal connector required)

PK88

Midi/USB Keyboard

**Graded Hammer Action
Keybed TP/40GH with 88 Keys**



PK88 is designed especially for the requirements of the "mobile pianist" who needs a high class and easy to carry keyboard but is able to dispense with extended Midi features. In the first place PK88 was made to be combined with a piano expander or a computer with Midi or USB interface and suitable sound generation software.

The PK88 uses a 88 keys graded hammer action keybed TP/40GH (same type of keybed as used in our master keyboards of the LMK-plus series). The case used is a rugged and easy to carry black flightcase with handle and removable lid.

The Midi features are limited to what the user of such a keyboard really needs: PK88 transmits Midi note messages on Midi channel 1. The velocity resolution is 127 steps. We set a high value on the conversion of the mechanical impact to the Midi velocity so that it is as close as possible to the behaviour of a real piano - within the limited possibilities of Midi.

At the rear panel a double foot switch and a foot controller can be connected to obtain the piano features sustain (controller #64) and soft pedal (controller #67), as well as loudness control (controller #7). E.g. our double footswitch VFP2 and foot controller FP5 can be used. At the rear panel you will find also the Midi output, the USB connector and the power supply connector (XLR type). The USB interface outputs the same data as the Midi out socket. An external 115...230V power supply with Europlug mains connector is included with the PK88. For other mains connector types or other mains voltages the power supply has to be purchased by the customer in his country (7...12V DC, 100mA with XLR femal connector required). If the PK88 is connected to USB no external power supply is required as in this case the device is powered via USB.

The dimensions are about 128/137 x 28 x 12 cm, the weight is about 18/20 kg (specs for 76/88 keys).

d3m

Waterfall Organ Keyboard



d3m is a 5 octave **water-fall organ keyboard** with 22 buttons for program change. Each button is equipped with a blue LED. Following previous organ designs the buttons are organized as 10 preset bank buttons and 12 preset number buttons. The 12 number buttons correspond to the different colored lowest octave that was available in previous organs. Additionally a foot controller and a foot switch can be connected. Both are programmable (e.g. volume for the foot controller and sustain or rotary speaker on/off for the foot switch).

The keyboard is equipped with Midi In and Midi Out. Two

(or even more) of these keyboards can be daisy-chained via midi out/in as upper/lower manual. The keyboards are distinguished by different midi channels.

Two (or more) d3m keyboards can be mounted together. For this threads are available at the rear and bottom side of the case. By means of mounting angles the keyboards can be mounted together in two ways: with hidden or accessible button section of the lower keyboard. The case is made of black coated aluminium.

The measures are about L87xT25xH9 cm and the weight is about 6.5 kg.