



# Manual

## Midi-USB-Sound-Modul **BLACKBOX**



# Deebach BlackBox - INFORMATION FOR YOUR SAFETY

## THE FCC REGULATION WARNING (for USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

### CAUTION

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the owner's manual. In case the function could not resume, please use the product in other location.

## PRECAUTIONS

### PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

#### Power Supply

Please connect the designated DC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet of voltage other than that for which your instrument is intended.

Unplug the DC power adaptor when not using the instrument, or during electrical storms.

#### Connections

Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

#### Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

#### Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

#### Cleaning

Clean only with a soft, dry cloth.

Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

#### Handling

Do not apply excessive force to the switches or controls.

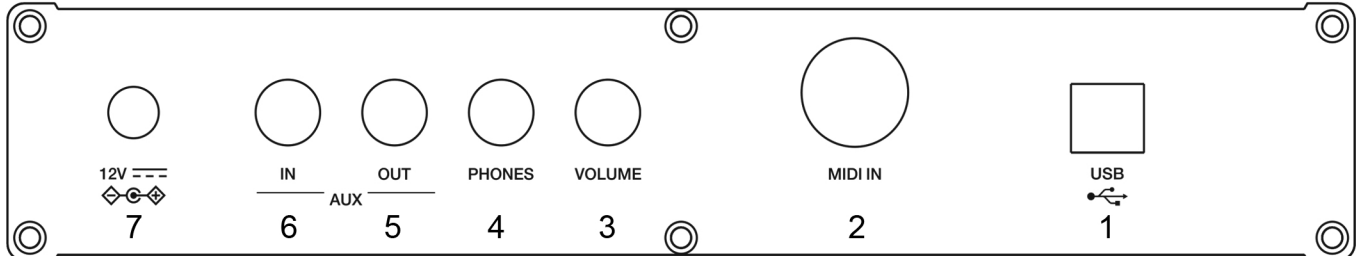
Do not let paper, metallic, or other objects into the instrument. If this happens, remove the electric plug from the outlet. Then have the instrument inspected by qualified service personnel.

Disconnect all cables before moving the instrument.

# Deebach BlackBox **Controls and connections**



1. Power Light - Shines red if the BlackBox is on
2. On / Off switch – With a short press of the button the BlackBox will switch on.  
To switch off, keep the button pressed for about 3 seconds until the red light is off.
3. Master Volume control – turn left to minimize and right to maximize the loudness.
4. Update Button – This button need to be used for updates only.  
All further information you will get with the updates.  
Downloads [www.deebach.eu](http://www.deebach.eu)



1. USB to Host for Midi-Connection on all Computer Systems or for Updates
2. Midi in 5 pol. Din Connector if you use Midi Hardware
3. Volumn Pedal Connector to control the Volume of the BlackBox via Volume Pedal
4. Headphone 6.3mm Stereo jack to connect a stereo Headphone.
5. Aux (Line) Output Stereo to connect the BlackBox to Mixers, Amplifiers, Keyboards etc.
6. Aux (Line) Input Stereo to connect an external Sound Source like tablet, mobil or Instrument
7. 12 Volt connector for the power supply, included with delivery. Please use only from Deebach recommended original or replacement power supplies.

# Deebach BlackBox - more Information

## 1. USB supply for Midi connection with all systems or for updates.

Via this USB connector you can operate your BlackBox from your computer. Please easily connect your BlackBox to your computer, tablet, notebook etc. and wait for a little while.

Depending on the system it takes some seconds and the BlackBox is available in the Midi out of your control software ((Cubase,Logic,Cakewalk,Midi-Optimizer,Stylemagic,Winlive,etc.)

If you now have configured the out of your software, you can control and play the BlackBox on 16 Midi channels.

Which parameters our BlackBox will accept, you can find on the Sound List and the Midi Implementations.

For various programs we have already written sound-control-lists.

With this lists you can dial the BlackBox sound easily in the program.

Please have a look at [www.deebach.eu](http://www.deebach.eu) downloads

## 2. Midi in 5 pol DIN connector Midi connector with Midi Hardware.

If you want to control your BlackBox with a normal 5 pol Midi cable please connect your 5pol Midi cable to the Midi in connector.

If it is a computer-system, please select the right output in your program.

If a Musical Instrument is controlling the BlackBox please make sure that the Midi out is adjusted correct.

Depending on the device ( for example Yamaha, Korg various Masterkeys) you can telecommand your BlackBox complete.

## 3. Volume pedal connector for volume control of the Blackbox via foot pedal

The connection of a volume pedal enables you to control the volume of your BlackBox via a foot pedal.

This is something we recommend to all musicians who have no hand free like guitar players who are playing with a midi file or vocalists who do not want to run to the mixer every so often to adapt their playback.

## 4. Headphone jack 6,3 mm jack to connect Headphones.

Here you can plug in your stereo headphone with a 6,3 mm jack plug.

The master volume control, control also the head phone out.

## 5. Aux (Line) out stereo to connect to mixer, stereo system or keyboard etc

With this out you can connect your BlackBox with your Mixer, Amp, sound card etc.

The connector is stereo. You need a 6.3 mm insert cable on one side with a stereo jack and on the other side 2 mono jacks or the format you may need – for example chinch.

## 6. Aux (Line) in stereo to connect an external sound source like tablet, mobile or musical instrument.

At this connector you can connect a stereo source for example a tablet, mobile, cd-player etc.

This connector is also a stereo connect and you also need a 6,3 mm insert cable.

Insert-Cabel  
Exsample:





# Deebach BlackBox - MIDI-Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic Channel	Default		1-16ch	
	Changed		1-16ch	
Mode	Default		3	
	Messages Altered	**	x	
Note Number	Note		0-127	
	:True voice	**	0-127	
Velocity	Note on	o 9n	o 9nH,V=1-127	
	Note off	x (S=0)	o(9nH,V=0; 8nH,V=0-127)	
After Touch	key's Ch's		x	
Pitch Bend			o	
Control Change	0		o	Bank Select
	1		o	Modulation
	5		o	Portamento Time
	6		o	Data Entry
	7		o	Volume
	10		o	Pan
	11		o	Expression
	64		o	Sustain Pedal
	65		o	Portamento ON/OFF
	66		o	Sostenuto Pedal
	67		o	Soft Pedal
	80		o	Reverb Program
	81		o	Chorus Program
	91		o	Reverb Level
	93		o	Chorus Level
	120		o	All Sound Off
121		x	Reset All Controllers	
123		o	All Notes Off	
Program Change	:True	**	o 0-127	
System Exclusive			o	
System Common	:Song Position		x	
	:Song Select		x	
	:Tune		x	
System Real Time	:Clock		x	
	:Commands		x	
Aux Messages	:LOCAL ON/OFF		x	
	:Active sense		o	
	:Reset		x	
Notes: *1				
When the accompaniment is started, an FAH message is transmitted. When the accompaniment is stopped, an FCH message is transmitted.				

- Mode 1: OMNI ON, POLY
- Mode 2: OMNI ON MONO

- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO

- x: NO
- o: YES