



DEVINE

USB 100
USB dynamic studio microphone



User manual

All information and illustrations shown in this user manual are subject to change without further notice.

User manual version: 1.0 Creation date + author initials: 10-12-2015 RV Revision date + author initials: -

Introduction

Thank you for purchasing the Devine USB 100 studio microphone. This studio microphone can be connected directly to a computer thanks to the built-in USB audio interface and the supplied USB cable.

The Devine USB 100 is a versatile USB studio microphone with a stylish, vintage look. It is the ideal Rockabilly-recording microphone thanks to its vintage-style combined with modern technology.

For optimal performance, connect the USB 100 to a computer. After the correct drivers are automatically installed, the USB 100 will be ready for use. It can be used as a microphone for Skype, for example, as well as for podcasting, broadcasting and vocal recording.

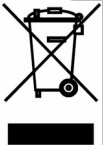


If you wish to use the USB 100 for recording applications, you'll need to install software to do so. Devine recommends the free software Audacity.

The USB 100 performs best when placed on a microphone stand. This way, you can use the microphone in a seated or standing position. The base of the microphone is equipped with a 5/8" thread, but a thread adapter to 3/8" is included if your microphone stand requires it.

The super-cardioid polar pattern of the USB 100 is so that it picks up most of the sound directly in front of the microphone and a little from the rear. For optimal sound quality, position the vocalist or musician as close to the microphone as possible, approx. 2-3 centimetres, and make sure they sing/speak/play directly into the front of the microphone.

Please note that the USB 100 microphone is a sensitive microphone and should be handled with care when transported or installed. Impacts and/or severe vibrations may have a negative impact on the lifespan and performance of the microphone. This microphone is not designed for on-the-road use.

Before you unpack all the received items, carefully read this manual to familiarise yourself with the functions of the microphone. Also, check the contents of the box to make sure all necessary parts are included (see the section **Box contents** in this user manual). If the microphone fails to operate properly, or if you encounter any problems while using it, disconnect it immediately and contact your local dealer for more information and help.

	<p>WEEE: Dispose of this product properly. This product is part of the WEEE directive – the Waste Electrical and Electronic Equipment directive. The requirements stated in this directive apply to all manufacturers and producers of electronic equipment in the EU.</p> <p>Do not dispose of this product together with regular household rubbish. Contact your local government representative for more information about proper disposal and recycling of electronic products in your region. By recycling this product properly after use, we can work together to enjoy these products and protect our environment from pollution.</p>
	<p>CE: The CE mark indicates that the product complies with applicable European directives and regulations.</p>
	<p>Indoor use only: This device is designed to be used indoors only. The maximum ambient temperature should not exceed 40 degrees Celsius (104 degrees Fahrenheit)</p>

All information and illustrations shown in this user manual are subject to change without further notice.

User manual version: 1.0 Creation date + author initials: 10-12-2015 RV Revision date + author initials: -

Box contents

Box contents:

1x Devine USB 100 studio microphone
1x thread adapter from 5/8" outer thread to 3/8" inner thread
1x USB A – USB B cable, +/- 1.7 m length

Unit and accessory inspection:

- If you do not plan to use the unit for an extended period of time, disconnect it and store it in a dust-free environment.
- Always check the unit for possible damage before use. If you suspect that something is wrong with the unit, do not connect it! If you suspect that your unit is broken or damaged, contact your local dealer or a certified technician to inspect the unit.



DEVINE

Contact:

Devine pro audio and studio products
Verrijn Stuartweg 18
4462 GE Goes

The Netherlands Please do not send any products directly to this address. If you wish to return a product for a refund or repair, please contact your local dealer for an RMA (Return Material Authorisation)

All information and illustrations shown in this user manual are subject to change without further notice.

User manual version: 1.0 Creation date + author initials: 10-12-2015 RV Revision date + author initials: -

Using the microphone

The Devine USB 100 studio microphone is suitable for various studio recording applications. It is designed for vocal recording, but can be used for instrument recording as well. It has a super-cardioid polar pattern, which means it captures most sound directly from the front of the microphone and a little from the rear.

Setting up the microphone

Make sure that the USB 100 is placed on a suitable stand. This can be a small desktop stand, as well as a large vertical or boom arm microphone stand. A thread adapter is included to ensure that the Devine USB 100 can be connected to nearly any microphone stand (3+4).

Make sure that the microphone is positioned as closely to the sound source as possible. To ensure optimal sound quality, the vocalist or musician needs to speak/sing/play directly into the front of the microphone. This ensures that the recording or live streaming takes place at an optimal volume, without the addition of extra boost or gain (which can cause unwanted noise).

Connecting to the computer

The USB 100 can be connected to any Windows or Apple computer, desktop model or laptop. A software CD is not required to install the software on your computer.

Always use the included cable to connect the microphone to your computer. The square connector on one end fits perfectly in the base of the microphone (1+2), and the other end fits into a free USB port on your computer.

If your computer is turned on and has finished its start-up procedure, connect the USB 100. When connected, a bright blue LED will turn on, indicating that there is USB power.

The computer should now recognize the USB 100 as a USB microphone and can use it for various applications. If your computer does not recognize the microphone or the required drivers are not installed:

- ensure that your computer is connected to the internet to automatically download the required drivers
- (for Windows) try a different driver, for example ASIO4ALL www.asio4all.com (free download).
- (for Mac) Mac computers are usually equipped with Core Audio API handling for audio which will take care of the installation process

Using the microphone for live broadcasting or recording

As stated earlier in this user manual, the sound source needs to be placed as closely to the microphone as possible to ensure optimal audio quality. Placing the microphone further away from the source will result in low-volume recording or amplification, which would need to be artificially boosted. This will also boost the low self-noise of the microphone itself however (which is present on all microphones). If you ensure that the source volume is good, unwanted noise as a result of artificial boost will be kept to a minimum.

Most live broadcasting and/or podcasting software can only influence volume. Ensure that peaks in sound are not present to prevent distortion. When using recording software, start recording a track and test it to make sure the signal isn't too low or too high. Reduce the microphone volume and/or gain if needed.



Protecting the microphone:

This Devine microphone is equipped with very sensitive electronics which provide optimal audio performance. Make sure the microphone is not exposed to situations that may cause permanent damage as a result of severe impacts, collisions, or falls from high altitudes. Improper use of the microphone is not covered by warranty. Always transport the microphone in the original packaging, or in a flight case with proper fitted foam inlay. This microphone is not intended for on-the-road use.



DEVINE

All information and illustrations shown in this user manual are subject to change without further notice.

User manual version: 1.0 Creation date + author initials: 10-12-2015 RV Revision date + author initials: -

Troubleshooting

Problem	Possible Cause	Solution
No sound, or very low sound signal	USB cable not connected (properly)	Connect the USB cable to your computer / make sure the cable is connected properly
	Volume set too low	Increase input volume and gain on your mixer, interface or other sound processing device
	Microphone positioned too far away	Place the microphone closer to the sound source
Rattling and cracking sounds	Moisture inside the microphone	Allow the microphone to dry in room temperature. Avoid use of the microphone in humid or moist environments. Do not let the microphone come in contact with water or liquids.
Loud, high frequencies coming from the speakers	Microphone is positioned too close to the speakers, which is causing feedback	Move the microphone further away from the speakers, or change the position to prevent the microphone from being aimed directly at the speakers.
Microphone signal is interrupted	Loose or broken USB cable	Check if the USB cable is plugged into the microphone correctly. If that does not solve the problem, try replacing the cable.
Distortion and/or noise in the captured sound	Too much airflow caused by vocals	Use a pop filter or windshield (sold separately)

DEVINE

All information and illustrations shown in this user manual are subject to change without further notice.

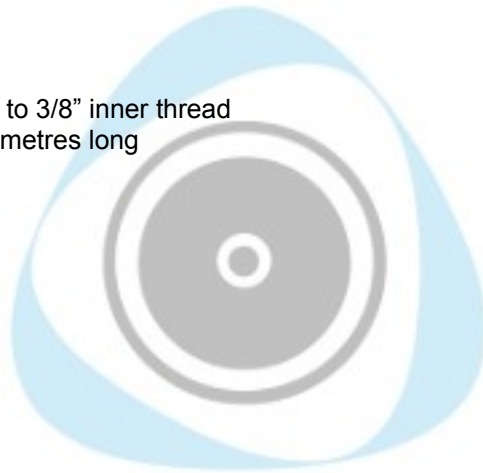
User manual version: 1.0 Creation date + author initials: 10-12-2015 RV Revision date + author initials: -

Technical specifications

- works with all types of recording software or DAW (e.g. Audacity)
- compatible with Windows2000/XP/Vista or later and Mac OS X
- studio USB microphone
- ideal for recording individual instruments, vocals and speech
- works on Windows and Mac computers
- installs drivers automatically
- utilises a high-quality condenser capsule
- dynamic microphone capsule
- polar pattern: super-cardioid (super-directional)
- connection: USB Plug-and-Play (USB A - USB B)
- sampling and bit-rate: 16 bits / 48 kHz
- frequency response: 50 Hz - 16 kHz
- sensitivity: -54 dB (+/- 3 dB) (0 dB = 1 V/Pa @ 1 kHz)
- output impedance: 250 ohms +/- 30% (@ 1 kHz)
- dimensions: 68 x 56 x 190 mm
- weight: 470 g

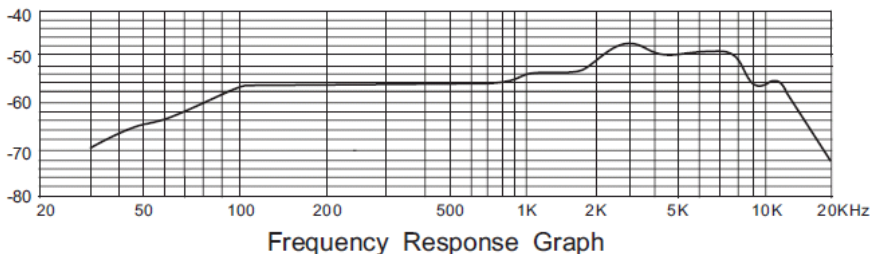
Included accessories:

- 1x thread adapter from 5/8" outer to 3/8" inner thread
- 1x USB A – USB B cable, +/- 1.7 metres long

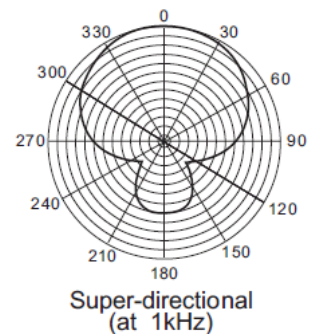


DEVINE

Frequency response and polar pattern graph:



Frequency Response Graph



All information and illustrations shown in this user manual are subject to change without further notice.

User manual version: 1.0 Creation date + author initials: 10-12-2015 RV Revision date + author initials: -