



DEVINE

M-Mic XLR (W / BK) Studio Microphone



User Manual

The information in this user manual is subject to change at any time without notice.

Version: 1.0 Date of creation and author's initials: 25-07-2017 RV Revision date and author's initials: -

Introduction

Thank you for purchasing this Devine M-Mic XLR microphone. The Devine M-Mic XLR microphone is a practical studio mic designed to record vocals and/or speech, or an instrument such as acoustic guitar.

As the M-Mic XLR microphone is not equipped with an integrated analogue to digital converter, its applications are numerous. It can be used in combination with a normal USB audio interface with mic preamps as well as with field recorders or other similar recording devices. It is up to you to determine which equipment you use for an optimal audio signal.

The only thing the M-Mic XLR does require is a phantom power supply of anywhere between 5 and 48 volts in order to power the internal components and provide optimal performance.

The M-Mic XLR microphone comes complete with a tripod so you can position it optimally on your desktop or other flat, stable surface.

Due to this mic's high sensitivity, it is not recommended to hold it during use as you would a live handheld microphone. This will result in audible handling noise.

Box contents:

The Devine M-Mic XLR comes with various accessories for optimal use.

In the box, you will find:

- 1x Devine M-Mic XLR microphone (W or BK version, white or black)
- 1x 3-pin male to female XLR cable (+/- 2.5 metres in length)
- 1x mini tripod with thread adapter
- 1x shock mount



DEVINE

The information in this user manual is subject to change at any time without notice.

Version: 1.0 Date of creation and author's initials: 25-07-2017 RV Revision date and author's initials: -

Safety instructions

Everyone involved with the installation, operation and maintenance of this device must:

- Have read the instructions in this user manual
- Be sure that neither the device nor the included accessories are damaged. Should the device or the included accessories be damaged, please contact your dealer for more information.
- Ensure that the device is in good working condition and is safe to operate. Please follow the advice and instructions as they are described in this user manual.

Damage caused by misuse and/or modifications made to the device are not covered by the warranty.

This device does not contain any parts that need to be repaired or replaced by the user. Should maintenance or repairs be necessary, they must be handled by a qualified technician.

Important information regarding health and safety:

- Do not remove any labels or stickers from this device.
- Do not leave any cables lying around.
- The device should not be opened up, and any hardware or software that may be present should not be modified.
- Do not expose the device to audio sources that produce extreme volume levels that are louder than necessary in order to achieve optimal performance.
- The device should only be used indoors; contact with water, rain and moisture should always be avoided.
- Remove the device from any nearby flames or heat sources; do not place it near flammable fluids, gasses or objects.
- Disconnect this device from the power supply if it will not be used for a longer period of time, if maintenance is necessary, or if the device needs to be cleaned.
- Do not pull on the cable to remove a connector, as it can cause damage.
- Do not use any cables other than the ones described in this manual. Do not use defective cables. Please contact your dealer if the included or necessary cables do not function properly with this device.
- In the event that the device is exposed to extreme temperature changes (e.g. transported through a cold outdoor environment into a warm indoor environment), it should not be turned on until it has reached room temperature. This is necessary to prevent moisture from forming in the device, which can cause electric shocks and possibly permanent damage.

Guidelines and operation of this device:

- This device is intended for indoor use by adults only.
- This device is not suitable for use by children, and should always be operated by an adult.
- This device may only be used in a suitable environment where no damage to the device can occur. Do not use the device in moist or dusty environments such as:
 - indoor swimming pools where chlorine is used
 - beaches where there is sand and salt

The information in this user manual is subject to change at any time without notice.

Version: Date of creation and author's initials: Revision date and author's initials: -
1.0 25-07-2017 RV

- outdoors
- indoors in spaces where intense heat sources are present, or where it reaches temperature levels that would be considered uncomfortable for a person
- Avoid impact and collisions during use and transport. Do not transport the device while it is in use. Avoid using excessive force when installing and operating the device.
- The user should become familiar with the functions of this device before using it.
- Should the device not be used in the manner described in this user manual, damages or even injuries could occur. Devine cannot be held responsible for any injuries or damages that occur as a result of improper use of this product.


Storage and transport:

- This device is designed for fixed use. During transport, it should be well-protected, preferably in the original packaging or otherwise in a suitable case with foam interior.
- This device is not designed for permanent (24/7) use. The expected lifespan of the device will not be affected by occasionally turning the device off. Disconnect the device or turn off the power when it is not actively in use.
- If the device will not be used for a longer period of time, it should be disconnected and stored in a dust-free environment.
- Do not expose the device to extreme temperature differences.

Housing



- Inspect the device's housing frequently, and always just before use. Avoid operating the device if there are large dents or cracks, or if screws are missing. Do not use the device if the housing is not in good condition.
Contact your dealer or a qualified technician if you are unsure about the state of the device.
 - Check the device and the screws for corrosion. Corrosion must not be present on this device. Contact your dealer or a qualified technician if you find any corrosion on the screws. Every power and signal connector should be securely mounted. Do not use the device if the connectors are not secure.
- Avoid dust and dirt build-up. Clean the device once a month by disconnecting it from the power supply and wiping it down with a dry or slightly moist cloth. If the device is used frequently, the cleaning intervals should increase.

Symbol explanation:

	<p>WEEE: Ensure that this device is disposed of properly. This product falls under the WEEE (Waste Electrical and Electronic Equipment) directive. The requirements of this directive apply to all manufacturers and producers of electronic devices in the EU. Do not throw this product away with regular rubbish. Please contact your local authority for more information about how to recycle and dispose of these products in your region. By recycling this product in the proper manner, we can work together to ensure that we can continue to</p>
--	--

The information in this user manual is subject to change at any time without notice.

Version: 1.0 Date of creation and author's initials: 25-07-2017 RV Revision date and author's initials: -

	enjoy these kinds of products and still protect the environment as much as possible from pollution.
	CE: The CE logo indicates that this product meets the European norms and requirements to which it must legally conform.
	Only suitable for indoor use: this product was designed to be used inside. The maximum environmental temperature must not exceed 40 degrees Celsius (104 degrees Fahrenheit).



DEVINE

Contact:

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

Please do not send any products to this correspondence address.

Should you wish to send in a product for repairs or for a refund, please contact your dealer for an RMA request (Return Merchandise Authorisation).

The information in this user manual is subject to change at any time without notice.

Version: 1.0 Date of creation and author's initials: 25-07-2017 RV Revision date and author's initials: -

Construction and usage

Once you remove the Devine M-Mic XLR microphone and all the accessories from the box, it's important to mount it on the included tripod right away using the included shock mount.

The tripod unfolds easily in order to free the three central legs. Together they form a stable base and have tips which absorb vibrations and provide extra grip as well.

The included shock mount can be screwed on top.

The microphone can then be installed in the shock mount with the help of the illustration on this page. Position the mic as shown in **(2)** while squeezing the two brackets **(1)** together. This will widen the round opening for easy mic positioning.

Release your grip on the brackets **(1)** to secure the microphone in place.

Once you've completed the steps above, you can connect the included XLR cable by plugging one end to the microphone and the other to a recording device, PA mixer or audio interface, depending on your setup.

If assembled correctly, your microphone setup should look like this:

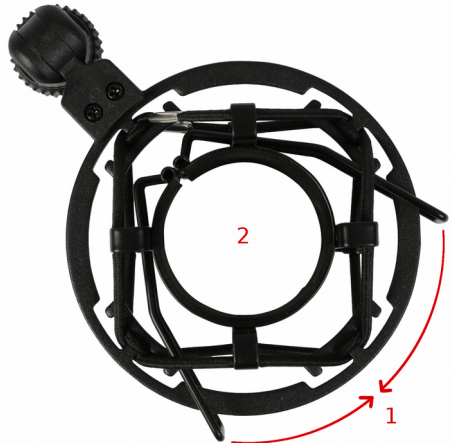
Some important factors to bear in mind:

- Always ensure the brand and type number of the microphone are facing towards you to capture the audio as optimally as possible.
- Ensure one of the tripod legs is pointed towards you. Because the microphone is mounted on the tripod at a slight angle, this will enhance stability to prevent it from accidentally getting knocked over.
- Ensure the microphone is positioned at an angle and make sure the brand and type number are still visible from where you are seated for optimal results.
- Always place the microphone tripod on a stable flat surface such as a desk or table.

Optional:

The information in this user manual is subject to change at any time without notice.

Version: 1.0
Date of creation and author's initials: 25-07-2017 RV



If mounted in the included shock mount, the M-Mic microphone can also be mounted on a professional mic stand or broadcasting arm as long as they are equipped with a 3/8-inch or 5/8-inch (industry standard) screw thread. If necessary, you can use the thread adapter that can be found on the tripod.

If you use a different stand than the included tripod, it is highly recommended to position the audio source as close to the mic as possible for optimal results. As always, make sure the brand and type number are facing towards the audio source. If your setup requires it, the microphone can also be used upside-down.

Optimal sound quality

To maintain optimal audio quality, it is necessary to position the microphone as close to the audio source as possible, unless it produces extremely high volume levels (such as a drum kit).

For vocals or instruments, position the mic as close as possible to the audio source. When using the included tripod, make sure it is placed on a desk or other flat, stable surface.

Position the microphone at an angle (while ensuring the brand and type number are still visible and facing the audio source), to capture the best possible audio.

The further away an audio source is from the microphone, the less volume it produces. This will need to be compensated either during recording or afterwards, which can have an impact on the sound or cause clipping.

Every audio device (regardless of brand) generates some sound or self-noise. With normal use, this is barely audible, and the more you need to amplify an audio fragment, the more audible this noise can become.

If an audio source is very quiet or positioned too far away, the self-noise level of the microphone itself can become too high when the captured audio is amplified.

If you are having problems with noise or unwanted sounds, always try to adjust the position of the microphone first. A separately-available microphone stand or broadcasting arm may be necessary for optimal results.

In situations where an optimal setup is not possible, for example if you want to record vocals and an instrument at the same time, it is recommended to place the microphone as optimally as possible between the two audio sources. Experiment by making short test recordings in various setups and compare them to find the best possible solution.

Compatibility

Devine M-Mic XLR microphones can be used with virtually all audio equipment that can supply phantom power. This type of power supply is necessary in order to power the internal components of the microphone.

In the M-Mic XLR microphone, the phantom power is used to supply power to the integrated

The information in this user manual is subject to change at any time without notice.

Version: Date of creation and author's initials: Revision date and author's initials: -
1.0 25-07-2017 RV

microphone preamp, when with many other microphones, it is used to provide power to the diaphragm. For this reason, the M-Mic XLR works with phantom power that ranges from 5 to 48 volts.

Consult the user manual or specifications of your device to make sure it can supply phantom power to the microphone. Without it, the M-Mic XLR will not perform properly.

The M-Mic XLR microphone can not be plugged into a dynamic mic input on devices such as consumer battery-powered speakers, active PA-speakers, DJ mixers, etc. You can however use an external phantom power supply.

Upgrades (Pop filter, windshield)

The mic capsules and electronics of the Devine M-Mic XLR microphone have already been optimised. It comes complete with a tripod and a shock mount, and positioning and use with other microphone stands and arms has been explained earlier in this manual.

Another way to optimise vocals and speech is to use a pop filter. This is a circular frame made of metal or plastic with a nylon or metal mesh that is placed directly in front of the microphone. They also feature a flexible arm for optimal positioning. A pop filter prevents unwanted plosives that are created when the sounds P, K, S, T and F are pronounced. The best results are achieved when the vocalist or speaker is positioned as closely to the microphone as possible.

If you're making recordings outdoors where there is a lot of wind, then it is recommended to use a windscreen. This prevents any wind sounds from being captured that can disrupt the recording.

A windscreen is usually a black cap made of porous foam that filters out wind and unwanted noise without sacrificing audio quality. Please ask your dealer for advice about suitable windscreens.



DEVINE

The information in this user manual is subject to change at any time without notice.

Version: 1.0 Date of creation and author's initials: 25-07-2017 RV Revision date and author's initials: -

Troubleshooting

Problem	Possible cause	Solution
Microphone is not working	Wrong cable	If you're connecting the microphone to the computer, you'll need to use a mini jack to XLR cable with the correct number of pins. (Pin 1 + 3 ground) Contact your dealer for more information.
	Phantom power is not activated	This microphone requires phantom power of anywhere between + 5 and 48 volts to function. Most recording devices, PA mixers and audio interfaces are equipped with phantom power. If not, you can use an external phantom power supply.
	Phantom power on defective channel	Check if the microphone does work on a different channel or input that provides phantom power.
	Mute button is turned on	Make sure the mute button on your PA mixer, interface or recorder is turned off.
	Volume control is turned down	Make sure the volume control of the channel in question is turned up.
Lots of (self)noise	The microphone is positioned too far from the audio source, or the volume of the source is too low.	Place the microphone as close to the audio source as possible to it can capture the sound as clearly and loudly as possible so you won't have to amplify the audio during or after recording. This will keep unwanted (self)noise to a minimum.
Lots of unwanted plosives/sound	Sounds are too loud or unfiltered	Hard sounds like the P, T, K, S and F can produce plosives. Use a pop filter (not included) to reduce this effect.
	Wind or ambient noise	Use a windscreen (not included) to prevent the sounds of wind or background noise from being captured.
Microphone keeps	Unstable positioning	Make sure the microphone is

The information in this user manual is subject to change at any time without notice.

Version: Date of creation and author's initials:

Revision date and author's initials: -

1.0

25-07-2017 RV

falling over, is not stable		installed securely in the shock mount on the tripod and that one of the tripod legs is pointing towards the audio source.
	Loose screw on shock mount hinge	If used often, the screw designed to angle the shock mount may come loose. Use a standard screwdriver to tighten it.
Microphone sound is too quiet	Microphone is too far away from audio source	Position the microphone closer to the audio source. If this doesn't work, try increasing the recording volume level.
Microphone sound too loud or clipped	Microphone is too close to audio source	When recording extremely loud audio sources (such as a drum kit), it is recommended to position the microphone further away and/or lower the volume/gain on your mixer.



DEVINE

The information in this user manual is subject to change at any time without notice.

Version: 1.0 Date of creation and author's initials: 25-07-2017 RV Revision date and author's initials: -

Technical specifications

Features:

- suitable for various applications (podcasting, live streaming, gaming, music recording, etcetera)
- robust metal housing with black or white finish
- comes complete with shock mount, cable and mini desktop tripod
- cable length: 2.5 metres
- tripod comes with screw thread adapter from 3/8 to 5/8 inches
- can be connected to mic inputs of audio interfaces, PA mixers and recording equipment
- +5 - 48V phantom power required
- also suitable for use with universal mic stands by third parties

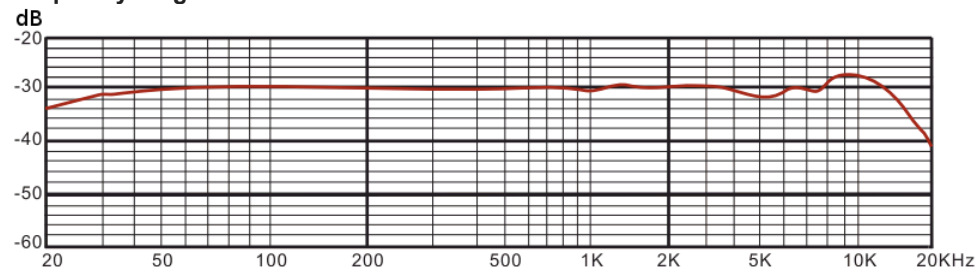
Specifications:

- back electret capsule
- directional characteristic: uni-directional
- connector: 3-pin XLR
- frequency range: 20 Hz - 18 kHz
- sensitivity: -34 dB, +/- 3 dB (0 dB = 1V/Pa @ 1 kHz)
- output impedance: 150 ohms, +/- 30% (@ 1 kHz)
- self-noise: 16 dB A
- max. sound pressure level: 134 dB (@ 1 kHz, with $\leq 1\%$ total harmonic distortion)
- S/N ratio: 78 dB
- net weight: 210 grams
- dimensions: 44 x 47 x 155 mm



DEVINE

Frequency range:



The information in this user manual is subject to change at any time without notice.

Version: Date of creation and author's initials:

Revision date and author's initials: -

1.0 25-07-2017 RV