



# DEVINE

## M-Mic PRO XLR (W / BK) Studio Microphone



## User Manual

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# Introduction

Thank you for purchasing the Devine M-Mic XLR PRO microphone. This practical studio microphone is designed to records vocals, speech or instruments like an acoustic guitar.

To expand the possible applications, M-Mic XLR PRO microphones are not equipped with a built-in analogue-to-digital converter so that In addition to use in combination with standard USB audio interfaces with a built-in microphone preamp, the M-MIC XLR PRO can also be used in combination with field recorders and similar audio recording gear. This way, you are free to decide which equipment to use to optimise the audio signal.

The only thing that the internal components of the M-MIC XLR PRO require for optimal performance is the supply of 5V to 48V phantom power.

The M-Mic XLR PRO microphone comes complete with a tripod stand that allows you to place the microphone on your desk or any other flat and stable surface.

Due to the high sensitivity of the microphone, it's not recommend to hold it in your hands during use. This will result in unwanted, audible noise.

## **Box contents:**

The Devine M-Mic USB XLR PRO comes including various accessories to ensure optimal use and performance. For your convenience and for safe storage, the microphone is packed inside a case that's large enough to store both the microphone and all of the accessories.

Inside, you'll find the following:

- 1x Devine M-Mic USB XLR Microphone (White (W) or Black (BK) version)
- 1x 3-Pin XLR Cable, Male-to-Female (approx. 2.5 metres)
- 1x Mini Tripod Stand with Screw-thread Adapter
- 1x Shock Mount

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# Safety Instructions

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

- Have read the instructions included 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 retailer 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 can 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.
- To achieve optimal performance, any inputs on the device should not be fed with a signal higher than necessary or extremely high volume levels.
- The device should only be used indoors; contact with water, rain and moisture should always be avoided. Do not place any objects containing liquid on top of the device.
- Remove the device from any nearby flames or heat sources; do not place it near flammable fluids, gasses or objects.
- Disconnect this device from a power source if it is not being used for a long period of time; if maintenance is necessary, or if it needs to be cleaned.
- Do not pull or tug on the cable to remove a connector as this may cause damage.
- Do not use any cables other than the ones described in this manual. Do not use defective cables. Please contact your retailer 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 from 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 (condensation) from forming inside the device, which could lead to electric shocks or permanent damage to the device.

## **Guidelines and operation of this device:**

- This device is intended for indoor use by adults.
- 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

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- beaches or any location where sand and/or salt is present
- outdoors
- indoors in spaces where intense heat sources are present, or where it can reach temperature levels that would be considered uncomfortable for a person
- Avoid impact and collisions during use and transport. Do not move or transport the device while it is in use. Avoid using excessive force when installing and operating the device.
- Any user must 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 product was designed for static use. Please only transport the device in the original packaging, or in a flight case with a suitable foam inlay.
- This device was 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 is not in use for a long 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 any 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 attached. 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:

	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 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.
	Suitable for indoor use only: this product was designed for indoor use only. The maximum environmental temperature must not exceed 40 degrees Celsius (104 degrees Fahrenheit).



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### Contact:

Devine Pro Audio Products  
Verrijn Stuartweg 18  
4462 GE Goes  
The Netherlands

*Please do not send any physical products to this correspondence address.  
Should you wish to send a product for repairs or for a refund, please contact your retailer for  
an RMA request (Return Merchandise Authorisation)*

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# Using the M-Mic XLR PRO

After you've unpacked the Devine M-Mic USB PRO and the various accessories, it's important that you install the microphone onto the included tripod with the help of the shock mount.

When folded out, the tripod stands on three legs fitted with rubber caps to ensure stable positioning with enough grip to prevent as much (vibrational) noise as possible.

After you've set up the tripod, the shock mount can be easily screwed on via the screw thread.

Next, the microphone itself can be installed in the shock mount. Make sure to mount the microphone with the Devine logo facing you and use the silver-coloured tightening knobs to secure the microphone inside the shock mount. Once installed, the setup should look the same as illustrated in the image on the right.



## It's important to note the following:

- Always ensure that the brand logo and model number are facing you, since this guarantees optimal sound registration.
- Always ensure that one of the tripod legs is facing you. This stabilises and tilts the microphone forward slightly, preventing it from falling over .
- Aim the microphone towards yourself by slightly tilting the shock mount and placing the microphone at an angle so that you can see and read the brand and model number from your seated position. This way, sound can be optimally captured.
- Always place the microphone and tripod on a flat and stable surface, such as a desk or table.

## Optional:

When installed in the included shock mount, the M-Mic USB PRO can be combined with professional microphone stands and/or third-party broadcasting arms as long as these feature a 3/8" or 5/8" (industry standard) screw thread. If needed, you can use the screw thread adapter fitted to the tripod.

When using the microphone in combination with a third-party stand, it's advisable that you place it as close to you as possible to achieve optimal results. Again, it's important that the brand and model number of the microphone remain clearly visible. The microphone can also be positioned upside-down if needed.

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## **Optimal Sound Quality**

To ensure optimal sound quality, it's necessary that the microphone is placed as close as possible to the sound source, unless the source produces an extremely high volume level (e.g. like a drum kit).

When using the microphone to record vocals or instruments, place the tripod-mounted microphone directly in front of the source and on a stable surface such as a desk or table.

By aiming the microphone slightly upwards (while brand and model number remain clearly visible), you're ensuring that as much sound as possible is captured.

This is important because the further away a sound source is from the microphone, the less volume the microphone is able to pick up. This can be compensated for when using the microphone by increasing the volume output of the sound source.

All audio gear (regardless of brand) generates a certain level of noise. While this is barely noticeable during normal use, the more you amplify the sound, the more noise gets amplified as well. When recording the amplification of a more quiet sound source or a source that's too far away from the microphone, this will lead to unacceptable noise levels.

If you experience any noise issues when recording audio, always try to optimise the positioning of the microphone first. Using a microphone stand or broadcasting arm can help in this regard (neither are included).

In situations that do not allow for an ideal set-up (e.g. when recording the sounds of an instrument and vocals using the same microphone), it's best to 'strike a happy medium' by placing the microphone as close to both sound sources as possible. Experiment by carrying out a few short test recordings then compare the results of different setups.

## **Compatibility**

The Devine M-Mic XLR PRO microphones can be used in combination with most standard audio equipment fitted with phantom power. Phantom power is electrical current that's supplied by the device to which the microphone is connected and provides power for the electrical components inside the microphone.

In this case of the M-MIC XLR PRO, phantom power is used to power the built-in microphone preamplifier while in the case of many other microphone models, phantom power is used to power the diaphragm. This is why the M-Mic XLR PRO can be powered by phantom power with a 5V to 48V output.

Check the user manual or specifications of your microphone-compatible device to see if it can supply phantom power to the M-Mic XL PRO. Without phantom power, the M-MIC XLR PRO is unable to perform optimally, and may not be able to operate at all.

The M-MIC XLR PRO microphone cannot be connected to devices fitted with a dynamic

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microphone input only. These include consumer-grade battery-powered speakers, active PA speakers, DJ mixers, etc. On the other hand, this can often be solved by using an external phantom power supply.

### **Upgrades (Pop Filter, Windscreen)**

The microphone capsule and USB converter fitted to every Devine M-Mic thing, have been optimised. Since the microphones come with a tripod stand and shock mount included, there's no need to purchase these accessories separately. As stated earlier in this manual, the microphone can be used with third-party microphone stands and arms for enhanced performance and positioning.

Another way to optimise the recording of speech and vocals is to use a pop filter/screen. This is generally a circular frame made of metal or plastic fitted with a nylon or metal gauze. These are placed in front of the microphone and may come with a flexible arm for optimal positioning. A pop filter breaks up the air dispersion caused by plosive sounds (the pronunciation of letters such as the P, K, S, T and F). Pop filters work best when the microphone is positioned near the mouth of the speaker because this is where the explosions of air are most powerful.

If you're recording in windy situations, possibly under a roof outdoors, it's recommended to use a wind screen. Wind screens prevent the unwanted noise and reduced recording quality caused by gusts of wind blowing past the microphone capsule and housing.

A wind screen usually consists of a black cap made of breathable foam that breaks up the flow of air while registering sounds and without losing too much sound quality. Ask your local retailer for more advice regarding compatible wind screens.



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# Troubleshooting

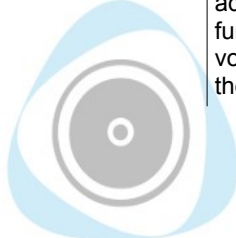
Problem	Possible cause	Solution
The microphone isn't working	Incorrect cable	In case the microphone is connected to a computer, a proper 3.5mm-to-XLR cable with the correct number of connector pins must be used. Contact your retailer for more information.
	Phantom power is not activated	The microphone will only work when it's supplied with +5V - +48V phantom power by the connected device. Most recording equipment, PA mixers and audio interfaces come with a built-in phantom power supply. If not, you can opt to use an external phantom power supply.
	Phantom power of the channel is defect	Check if the microphone works with a different channel or input connection with built-in phantom power.
	Mute function is activated	Check to see if the mute function of your PA mixer, interface or recorder is activated.
	Volume is turned all the way down	Check to see if the volume control of the relevant channel or input connection isn't turned all the way down.
Lots of noise	Microphone is too far away from the source or the source is not loud enough	Place the microphone closer to the source so that it is registered with as much volume as possible. This limits the amount of gain needed to bring the sound to the right level and limits any subsequent noise.
Unwanted ambient noise	Loud or harsh sounds	'Harsh' sounds likes the P, T, K, S and F can cause unwanted noise. Use a pop filter (not included) to reduce this effect.
	Wind and/or ambient noise	Use a wind-shield (not included) to limit the bleeding of any ambient

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<p>Microphone keeps falling over</p>	<p>Unstable positioning</p> <p>Loose shock mount hinge screw</p>	<p>noise into the signal of the microphone.</p> <p>Ensure that the microphone is installed securely inside the shock mount and that at least one of the tripod legs is facing you.</p> <p>Frequent use may cause to the shock mount screw to come loose. Use a standard screwdriver to tighten the screw.</p>
<p>Microphone sound is too quiet</p>	<p>Microphone is placed too far away</p>	<p>Place the microphone directly in front of the audio source. If this has a minimal effects, then try to raise the volume slightly.</p>
<p>Microphone is too loud or sounds distorted</p>	<p>Microphone is too close to source / Gain or volume is too high</p>	<p>When amplifying high volume sound sources (like a drum kit), it is advised to place the microphone further away and lower the gain or volume of the equipment to which the microphone is connected.</p>



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# Specifications

## Features:

- XLR-microphone for podcasting, livestreaming, gaming, audio recording, etc.
- robust metal housing with black or white finish
- shock mount, cable and mini tripod stand included
- cable length: +/- 2.5 metres
- tripod with 3/8" to 5/8" screw thread adapter
- the microphone can be connected to microphone inputs of audio interfaces, PA mixers, audio recording gear and more
- +5V - +48V phantom power required
- the microphone can be used in combination with universal, third-party microphone stands

## Technical specifications:

- 18 mm back electret condenser capsule
- pickup pattern: uni-directional
- connection: 3-pin XLR
- frequency response: 20 Hz – 20 kHz
- sensitivity: -38 dB, +/- 2 dB (0 dB = 1 V/Pa at 1 kHz)
- output impedance: 200 Ohms, +/- 30% (at 1 kHz)
- self-generated noise: 17 dB A
- maximum sound pressure: 136 dB (at 1 kHz, with less or equal to 1% total harmonic distortion)
- S/N ratio: 77 dB
- dimensions: 48 mm (diameter) x 165 mm
- weight: approx. 300 grams (without accessories)

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## Frequency Response Graph:

