



DEVINE

MOH 15A Powered speaker kit with accessories



User manual

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User manual version: 1.0 Creation date + author initials: 17-06-2015 RV Revision date + author initials:

Safety instructions



WARNING!



Always keep this device away from moisture and rain! Hazardous electrical shocks may occur!



WARNING!



Only connect this device to a matching power outlet. This device is intended to work on a specified AC currency. Connecting this device to power outlets with other voltages may result in permanent damage and possible hazardous situations, such as fire or electrical shocks!



WARNING!



Be careful with every operation of this device. Touching live wires inside and outside the unit may cause hazardous electrical shocks!

- Make sure there is no damage caused by transport. If the device seems damaged from the outside, do not use it and contact your dealer for more information and consultation.
- To make sure the device maintains in perfect condition and for safe operation, it is necessary for the user to follow the instructions and warning notes of this user manual.
- Damage caused by improper use or modifications to the device are not covered by warranty.
- This device does not have any user-serviceable parts inside. Servicing of this device needs to be done by qualified technicians.

Important notes regarding safety and health:

- Never let the power cord come in contact with other cables. Handle the power cord and all connectors with the mains with caution.
- Never remove any warning or informative labels from the unit
- The ground contact always needs to be connected. Do not cover or remove the ground contact.
- Never leave cables lying around
- Do not open the device and do not modify any hard- or software of this unit.
- Do not insert object into air vents of this device.
- Do not connect this device to a dimmerpack.
- Do not switch the system on and off frequently as this will reduce the lifespan of the device.
- Do not drive the inputs of the system with a signal larger than required to work at full performance.
- Only use this device indoor, avoid contact with water, moist or other liquids. Do not place items filled with liquids on top of the unit.
- Avoid nearby flames or heat sources, do not place this device near flammable liquids, gas or flammable items.
- Always disconnect the device when it is not in use for a longer period or time, when servicing is needed or when the device needs cleaning.

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- Only handle the power cord by its connectors. Never pull the cable to remove a connector from its socket, as this could lead to damage and electrical shocks.
- Always operate this device with a stable AC current.
- Always operate this device with the AC ground wire connected to the electrical system's ground.
- Never use other types of cables than specified in the manual, do not use defective or bad functioning cables. Contact your dealer when the included or required cables do not work properly with this device.
- When the device has been exposed to large temperature differences (for example, transport from outdoor to indoor), do not connect the device immediately. Do not activate the unit until it has reached room temperature, as moist might build up inside the unit, which may cause short circuits and/or electrical shocks.
- The rear panel of the device or the connection to a wall outlet needs to be accessible at all times. If a problem with the electronic circuitry is present, it must be possible to shut down the unit instantly. It is however possible to install a primary switch to power an entire group of electronic products, which can be shut down instantly by any person who is present in the room.

Guidelines and types of use:

- This device is intended to be used by professionals on stage, houses of worship, public community centers, meeting rooms and various other places that require a mobile sound system capable of amplifying vocals and music.
- This product is not designed for regular household use and should be handled with care if you wish to do so. This speaker system is capable of producing sound with a high SPL, which may cause permanent hearing damage to yourself and others in your direct environment. Please use this product with care and do not let unqualified people use the system.
- This device is not suitable for use by children and always needs to be operated by an adult.
- Only use the device when the environment is suitable and will not cause any damage. Do not use the product in moist or dusty environments, or where long-term damage may occur such as:
 - indoor swimming pools where chlorine is used.
 - Beaches, where sand and salt are present.
 - Outdoor
 - Indoor areas where intense heat sources are present or where the temperature exceeds levels which are comfortable for humans.
- Only use the included power cable and only connect the device to a suitable power outlet with the correct output voltage. Connecting the device to a power outlet with the wrong type of voltage or using the product with a wrong type of power supply may cause permanent damage to the device.
- Avoid shocks and collision during use and transport. Do not transport the device while in use. Avoid brute force during the installation and operation of this device.
- Familiarize yourself with the functions of the device before use. Do not allow operation of the device by unskilled or unqualified people.
- Use of the device in other ways than described in this user manual may cause damage and injury. Devine can not be held responsible for any damage or injury caused by improper use.

Storage and transport:

- This device is intended for regular mobile use, as well as mobile setup in the same building (such as educational institutes, community centres and houses of worship where a sound system does not always need to be present). The product does not need to be protected separately during transport if all components are mounted properly in the original way. Please handle the product with care and avoid brute force, severe shocks and possible penetration from sharp or high-impact objects during transport.
- This device is not intended for continuous use. Operation breaks will ensure that the lifespan of the device remains unchanged.
- If the device is not used for a longer period of time, disconnect it from its power source and store it in its original shape (with the mixing and storage panels mounted to the speakers).
- Store the device indoor, dry and do not expose the device to extreme temperature differences.

Housing:

- Inspect the housing of the device frequently. Severe dents, cracks and missing screws should be avoided at all costs. Do not use the device when the housing is not in optimal condition. Contact your dealer or a skilled technician when in doubt about the state of the device.
- Check the fixture and screws for corrosion. Corrosion should not be present on the fixture. Contact your dealer or a skilled technician when corrosion is found on the fixture.
- Every power or signal chassis/connector should be mounted tightly. Do not use the device when connectors

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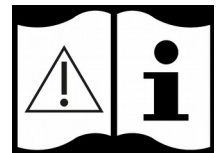
are loose.

- Do not use the power cord if the cores are visible. Contact your dealer for a replacement if needed.
- Avoid the buildup of dust and dirt. Clean the exterior of the fixture every month with a dry or damp cloth. When using the device intensively, the cleaning frequency needs to be increased. Disconnect the fixture when it is going to be serviced.
- Do not cover the ventilation slots and/or heatsinks of this device with objects such as cloths which prevents the device from cooling if needed.
- This device is not intended to be used for fixed installations.

Fuses:

- The main fuse of this device is to be found on the side of the mixing panel, next to the power inlet.
- Only replace a fuse for a new one with the same type and rating! Do not use a fuse with a higher or lower rating.
- Do not bridge the fuse in any way, as the fuse is used for protection against electrical shocks and short circuit. The fuse is a safety measure to protect you and your audience from hazardous electrical shocks.
- Always mount the fuse cover back to the fuse compartment. Do not use tape or other fastening materials to close the cover. If the fuse holder is broken, contact your local dealer and do not use the fixture.

Battery Hazard:



WARNING

Do not ingest battery.
Chemical burn hazard.

The remote control supplied with this equipment contains a coin/button cell battery.

If a coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and possibly lead to death.

Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type of battery.

Do not expose batteries to excessive heat such as sunshine, fire and the like.

Do not leave batteries in an extremely high-temperature environment, as this may cause explosions or leakage of flammable liquids or gas.

Do not burn batteries, do not place batteries in a hot oven, and do not crush or cut batteries, as this may cause explosions.

Do not subject batteries to extremely low air pressure (high altitudes), as this may cause explosions or leakage of flammable liquids or gas.

When equipment is not used for an extended period of time (e.g. a few months), batteries should be removed.

Instantly remove empty batteries from the equipment.




Do not store loose batteries or carry them in your pocket or purse. Contact with metal objects like coins and keys, etc. may cause them to leak, rupture or short-circuit.

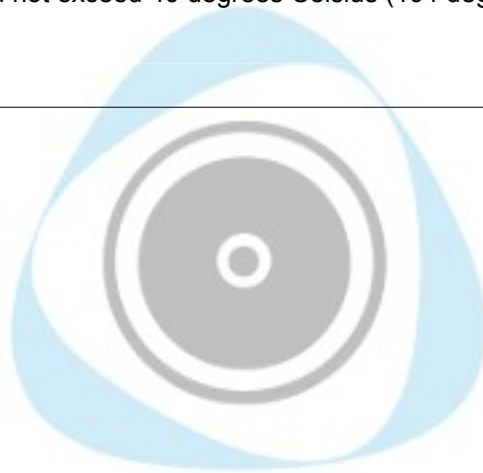
Recycling:

Do not dispose of batteries in general household waste. Batteries can contain substances that may harm the environment. If they are properly recycled, used batteries are a valuable source of reusable materials.

Contact your local government for information on battery disposal.

Symbol explanation:

	<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 for all manufacturers and producers of electrical equipment in the EU.</p> <p>Do not dispose of this product together with regular household trash. Contact your local government 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 also protect our environment from being polluted as much as possible.</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 only be used indoor. The maximum ambient temperature should not exceed 40 degrees Celsius (104 degrees Fahrenheit)</p>



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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)

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Guidelines for speakers

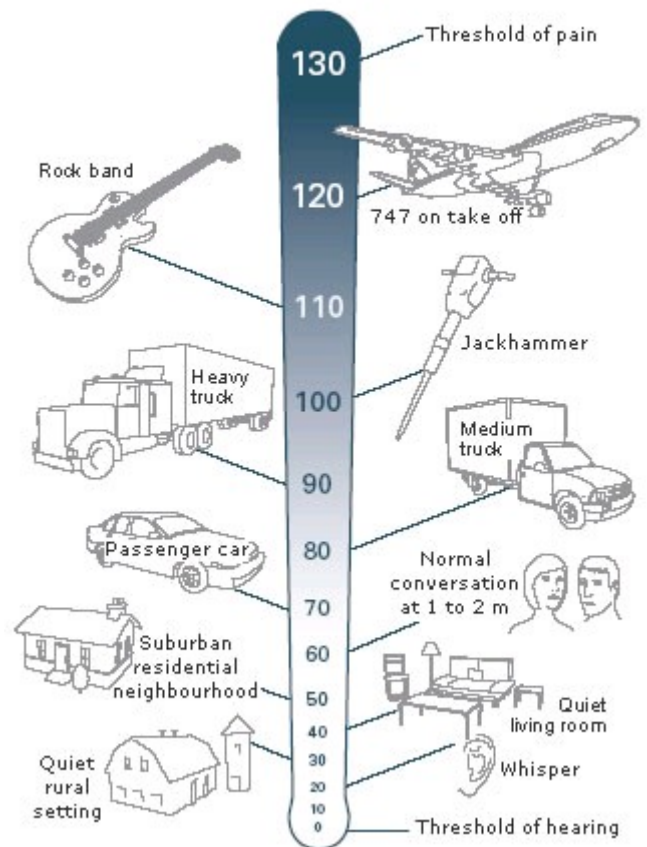
WARNING!

This loudspeaker system is capable of producing a sound pressure level which can be harmful for humans and animals when used incorrectly and/or without protection. Possible permanent hearing loss may occur when humans or animals are exposed to high sound pressure levels, even during a small period of time.

- Avoid exposure to high sound pressure levels for a longer period of time. See the charts on this page for more information about sound pressure levels and exposure to high levels.

Continuous dB	Permissible exposure time
85	8 hours
88	4 hours
91	2 hours
94	1 hour
97	30 minutes
100	15 minutes
103	7.5 minutes
106	3.75 minutes (<4 minutes)
109	1.875 minutes (<2 minutes)
112	0.9375 minutes (<1 minute)
115	0.46875 minutes (+/- 30 seconds)

DECIBEL SCALE (dBA)



- When installing this speaker on a speaker stand or distance pole, always tighten the screw knobs firmly.
- When using this speaker for the first time, set the gain settings on the amplifier (module) on a minimum level. After this, raise the volume to a comfortable listening level (not at its maximum level). The speaker needs to perform on a moderate level for several hours to perform on its full potential, when used for the first time.
- When transporting the speaker on a cart, use caution during movement. Prevent the cart and speaker combination from tipping over as this may cause serious injuries.

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Box contents

Box contents:

- 1x Devine MOH 15A speaker
- 1x dynamic microphone with microphone cable
- 1x telescoping speaker stand
- 1x remote control
- 1x power cable IEC C13 to Schuko
- 1x power cable IEC C13 to UK

Unit and accessory inspection

- Always use the supplied power cable to connect the unit to a power supply. If the cable appears broken or has visible damage, do not use it.
- If the unit is not going to be used for a longer period of time, disconnect it from the power supply 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 to a power source! When you suspect that your unit is broken or damaged, contact your local dealer or a certified technician to inspect the unit.







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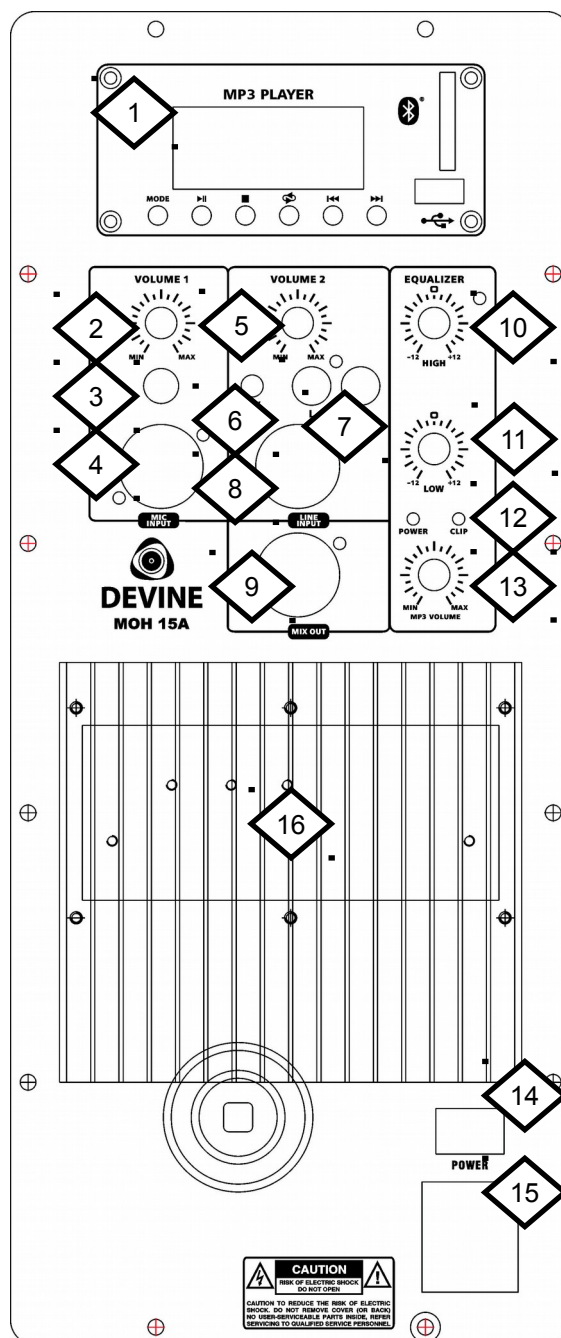
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Product overview

1. MP3 player
2. Volume control channel 1
3. Balanced microphone input (6.35 mm TS jackplug)
4. Balanced microphone input (XLR 3p)
5. Volume control channel 2
6. Line input (3.5 mm TRS mini-jackplug)
7. Line input stereo RCA
8. Line input balanced XLR 3p
9. Line output (mix) balanced XLR 3p
10. 2-band EQ – High (+/- 12 dB)
11. 2-band EQ – Low (+/-12 dB)
12. Power LED indicator (green) and Clip LED indicator (red)
13. Volume control MP3 player
14. Power on/off switch
15. Power input IEC C14 with fuse holder
16. Cooling heatsink

MP3 button	Function
MODE	Switch modes between Bluetooth, FM radio, SD, USB and AUX
	Play/pause the USB, SD or Bluetooth function Press and hold play/pause button for 2 seconds to start the FM auto-store function (from 87.5 FM) and create automatic presets for the channels with the strongest signal.
	Repeat the current playing USB or SD track (ONE), repeat all (ALL) or shuffle the playing order (Pd0)
	Navigate through USB and SD tracks – previous. For some mobile devices, this also works with Bluetooth. It may be possible that the buttons do not work, or switch playlists/albums/genre. For FM radio, this button will go down a preset. Hold the button for 2 seconds to scroll through radio stations.
	Navigate through USB and SD tracks – next. For some mobile devices, this also works with Bluetooth. It may be possible that the buttons do not work, or switch playlists/albums/genre. For FM radio, this button will go up a preset. Hold the button for 2 seconds to scroll through radio stations.



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Use of the speaker

When using the MOH 15A for lots of different purposes, it is important to be aware of all the functions and options of the unit. This section reveals all kinds of information which you can use to use the MOH 15A optimally. This also ensures optimal audio quality, for music as well as vocals. Please read these tips thoroughly and use this information as a reference sheet if you want to know how to use a certain function most efficiently.

Audio inputs and volume control

Please make sure that the audio quality of your signal source is optimal. If you connect any auxiliary hardware, please ensure that the sound played through it is of high quality (no low quality audio files) and is not distorted. Distortion may be caused at your music source, usually because one of the gain settings is not set properly. This may be visible on your auxiliary product because peak LEDs are blinking or red LEDs are active on your LED VU-meters.

Ensure that the maximum output level of your auxiliary products is 0dB or as close to it as possible. For dynamic microphones it is not possible to adjust or monitor the input volume. Please adjust the volume knobs until the desired volume is reached and listen if the sound quality is OK. If large amounts of distortion are present, it may be caused because the microphone channel volume is driven all the way up. Ensure that the person holding the microphone is holding it properly (like drinking from a glass, but not touching the lips). Most unexperienced people hold the microphone too far from their mouth, which makes it hard for the microphone to capture proper sound.

Master level

The speaker is not equipped with a master level volume knob. Instead, the mix of the different channels will create the master mix. Usually, this only needs to be set once with minor changes. When connecting several audio sources to the MOH 15A and if the volume needs to be changed multiple times each time, a separate audio mixer could be more useful to create a proper audio mix on the desired volume.

Bluetooth function

The MOH 15A is equipped with a Bluetooth function, which makes it possible to stream music from any Bluetooth-enabled smart device, such as a laptop, smartphone or tablet. Mostly Bluetooth is used for background music purposes or for simple music playback during performance. Please note however that Bluetooth is wireless and not 100% reliable for music playback. This counts for every Bluetooth music streaming device. Frequency interference may cause disturbance and loss of signal. If it is possible, please use a cable to connect your device to the speaker, for optimal and reliable music playback.

Line input

The line input of the mixer can be used in several ways. It can be used with the dual RCA connectors for DJ-booth monitoring, but also as main PA. Usually the MOH 15A is connected to a DJ controller, DJ mixer or PA mixer. Connecting other devices may be an option, but please contact your local dealer when in doubt.

MP3 player

The built-in MP3 player can be used as a music playback device and also hosts the Bluetooth function. The MP3 player accepts SD(HC) cards and USB thumb drives. It is recommended not to connect high-capacity storage devices of more than 32 GB, as the large volume of the storage device may cause trouble when searching for a specific file.

EQ Treble/Bass

The built-in EQ is used to adjust the frequency balance of the loudspeaker. It is possible to amplify or decrease low and high frequencies if the situation requires this. However, Devine advises to use the EQ with caution. This is because the EQ function can not be used as an amplifying device and may cause distortion of the audio signal, thus losing music quality. It is recommended to reduce the volume of the opposite frequency range. For example, if you use the MOH 15A for speech applications, large amounts of low frequencies are not welcome. For these kinds of applications, you can reduce the Bass level, thus reducing the amount of low frequencies in the audio signal. This will ensure more vocal clarity.

EQ MP3 player

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During MP3 playback of an USB or SD drive or while streaming music from your Bluetooth enabled streaming device, it is possible to select one of the built-in EQ presets of the MP3-player. This way, you can adjust the sound to your preferences. Please note that the sound is most accurate if the EQ function is not used, as it will change the sound. The EQ preset function can not be used for FM radio.

FM radio

The integrated FM radio of the MOH 15A makes it possible to listen to FM radio frequencies, starting at 87.5 MHz. With the included remote or the menu buttons on the speaker, you are able to change radio stations. It is also possible to create up to 30 radio presets, based on the strongest FM radio signals which can be found by the integrated player and antenna. There is no physical antenna present on the speaker panel.

Using the included remote

The included remote control is solely used for the built-in MP3 player. It can be controlled up to a distance of about 15 meters, if aimed properly and not blocked by any objects in its path. Please ensure that you are standing directly in front of the speaker, as the infrared sensor is placed at the front of the speaker. The included remote can be used to change signal sources, change tracks or radio stations, play certain songs of a SD card or USB thumb drive and is used to change the EQ presets. When using the remote for the first time, please remove the transparent tab which is sticking out of the remote bottom, in the battery compartment. This makes sure the included CR2025 battery is activated and makes contact with the terminals, ready for use.

Clipping

The amplifier section of the MOH 15A is equipped with a CLIP limiter with LED indication. Clipping can be present because the input channels of the speaker are driven with a signal which is too strong. This can be reduced by lowering the channel volume, or checking and lowering the volume of the audio source (such as a DJ mixer).

Clipping of an audio amplifier needs to be prevented as much as possible, because the amplifier can not provide the right amount of power with its internal components. This situation can be compared with a person who can carry a weight of maximum 20 kilograms. If you force the person to carry a weight of more than 30 kilograms, he will not be able to lift the weight. The same counts for your power amplifier, which is trying to deliver the requested amount of power, while overloading the internal components. This may not only cause temporary distortion of the sound, but can also cause a lot of harm to all internal components of the speaker! Defects may be caused to the amplifier module because of overloaded components, but also the speaker component such as the woofer may be damaged permanently as the overloaded components will deliver a distorted sound that damages the speaker.

It is therefore strongly recommended to keep an eye on the CLIP LED limiters on the speakers and take proper action if the LED is lit or slightly blinks. Listen carefully to your loudspeakers and ensure that the audio source is sending a signal of the best possible quality, to prevent distortion and a lack of quality in the sound.

Speaker stand

The MOH 15A is delivered with a speaker stand, which makes it possible to position the speaker on human ear level. This ensures that high frequencies will be spread more evenly over the listening audience, as high frequencies reflect more than low frequencies. When placing the speaker on the floor, the high frequencies of the tweeter will reflect more easily, which makes it more difficult to reach your audience with vocals and music.

When using the speaker stand, make sure the base tightening knob is turned counter-clockwise. Pull the speaker stand legs so the three legs will spread and form a solid, wide base. When the desired width is reached (a floor diameter of about 1m), tighten the base tightening knob. To extend the speaker stand, loosen the upper tightening knob so the speaker pole comes loose and can be set to the desired level. When the desired level has been reached, tighten the knob. Ensure that the safety pin of the speaker stand can still be installed, to ensure a safe positioning of your speaker.

Stand adapter

The MOH 15A is equipped with a 35 mm stand adapter with integrated tightening knob. The 35 mm stand adapter can be found at the bottom of the loudspeaker, while the tightening knob is found at the bottom rear

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of the speaker. It is recommended to place the MOH 15A on a speaker stand when used, because high frequencies are very sensitive to dispersion, opposed to low frequencies. By placing the speaker on a stand, where the dispersion horn of the tweeter is just positioned above your audience, the ideal dispersion of high frequencies is ensured.

The MOH 15A can be used with regular speaker stands which usually have a diameter of around 35 mm (or a value which is very close to this), such as the included speaker stand. Before placing the speaker on a stand, loosen the tightening knob so it will not interfere with the speaker stand.

After this, lift the speaker and place it gently on the speaker stand. Do not let the speaker fall on the stand when the stand adapter is inserted to the stand, as the housing of the cabinet may break and cause permanent damage. Gently place the speaker on the stand and tighten the knob on the back of the speaker afterwards. This knob only needs to be tightened by hand, excessive force on the knob needs to be prevented. The tightening knob is only used to secure the speaker on the stand, thus making it impossible to wobble or turn around during use. Also resonance of loudspeaker vibrations are prevented this way.

Protective grill

The front of the speaker is equipped with a protective grill for the woofer. As the woofer is a very sensitive part of the speaker, it needs to be protected sufficiently during transport, use and storage. Therefore it is prohibited to remove the speaker grill, thus preventing damage to speaker components.

Bass reflex system

The MOH 15A speaker is equipped with a bass reflex chamber system. This is a specific loudspeaker cabinet solution to increase low frequency volume. If the speaker is used at high volume, it may be possible that air vibrates near the bass reflex speaker gaps. This is perfectly normal. However, do not put any objects, liquids or small items like confetti in the openings to prevent damage to the speaker and its internal components.

Handles and wheels

The Devine MOH 15A is equipped with handles on both sides of the speaker cabinet and an extra handle on top. This ensures secure and easy transport of the speaker as you can lift it with both hands. The integrated wheels make it easy to roll the speaker into a van or car.

Using the included dynamic microphone

The included dynamic microphone can be used for vocal applications and is mostly used for presentations and speeches. When using the microphone, ensure a proper microphone positioning. When giving it to somebody who is not experienced with the use of microphone, please instruct them properly. Ensure that the person holding the microphone is not standing directly in front of, or next to the MOH 15A speaker (or any speaker for that matter). If this happens, there is a very large chance of audio feedback. This can be caused by sound that is picked up from the microphone, amplified by the speaker, picked up by the microphone, amplified by the speaker and so on, which is mostly recognizable by a high-pitched static squeaking noise. If this kind of feedback is present, take immediate action and move the microphone away from the speaker or lower the microphone level on the speaker panel.

Powered speaker troubleshooting

If you have any problems with active speakers, consult this troubleshooting section to solve any difficulties with your product. If this troubleshooting section does not solve your problem, contact your dealer for more information and help.

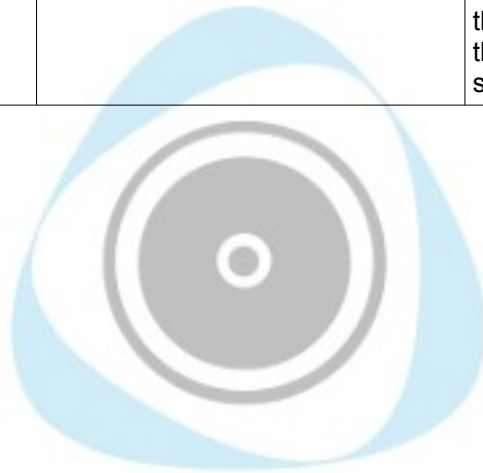
This troubleshooting section contains the most frequent problems and is not a complete collection of possible faults, defects and solutions. The troubleshooting section applies for powered speakers. It is possible that not all described problems, causes and solutions apply to your situation as product details may vary from product to product.

Problem	Possible Cause	Solution
Speaker can not be turned on	ON/OFF switch set to OFF	Turn on the speaker with the ON/OFF switch, to the ON position
	Power not plugged in	Connect the included power cable to the power inlet and a wall outlet or power socket.
	Fuse blown	Remove the fuse cover underneath the power input and check the fuse. Replace the fuse with the same type and rating if needed. Use caution when removing the fuse holder, remove the holder with a small screwdriver and gently move the holder towards you. Applying too much force may cause broken fuse holders!
No sound	Signal source level set to minimum	Increase signal source level
	Signal source level on the mixer panel set to minimum	Increase volume of signal source on the mixer panel with the volume knobs
	Master volume set to minimum	Increase master volume
	Cable broken	Change cable
	Lost Bluetooth contact	Move your Bluetooth device closer
Distorted sound	Signal source level too high	Decrease signal source level
	Signal source level on the mixer panel set too high	Decrease signal source level on the mixer panel
	Master volume set too high	Decrease master volume level
Lack of bass	Track without low frequencies	Try another reference track
	Bass level set to minimal level	Increase Bass level
Lack of high frequencies	Track without high frequencies	Try another reference track
	Treble level set to minimal level	Increase Treble level
Too much bass	Bass level set to high level	Decrease Bass level
Too much high frequencies	Treble level set to high level	Decrease Treble level
CLIP limiter indicator keeps on flickering or is constantly lit	CLIP limiter circuit is active to prevent overloading of internal	Decrease volume settings (signal source, signal source on mixer)

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	components	panel or master volume) Also try to set Treble and Bass to normal levels.
Speaker can not be placed on a speaker stand	Tightening knob is turned too tight	Loosen tightening knob
	Stand not suitable	Measure stand top diameter, this should be around 33-36 mm for optimal placement. Use another speaker stand if needed.
Buzzing noise coming from the speaker	Ungrounded power connection	Connect the speaker to a grounded outlet
	Ungrounded signal source	Connect the signal source to a grounded outlet
	Interference from power cables	Avoid placing power and signal cables in a parallel structure
	Bad cables	Remove the cable or increase/decrease the volume of the speaker. If the noise is gone, the problem is somewhere in your signal chain.



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Technical specifications

- Self-powered PA speaker kit with one powered speaker, microphone, speaker stand and cables
- built-in power amplifier
- built-in MP3 player with Bluetooth connectivity, SD card and USB drive support
- lightweight construction
- wide projection dispersion horn for optimal wide audio coverage
- built-in audio mixer, for microphones and line-level audio sources
- line output for speaker daisy-chaining
- elegant moulded housing with rounded edges for a clean look
- 3 built-in carrying handles - 2 side handles and 1 top handle
- 35 mm stand adapter with tightening knob, for easy placement on a speaker stand
- handles with integrated monitor stands - no separate stands needed!

Mixing panel features:

- microphone input: 6.35 mm TRS jack or balanced XLR
- line input: 3.5 mm TRS mini-jack, stereo RCA or balanced XLR
- XLR balanced mix output for another speaker (dual mono mode)
- 2-band EQ (High / Low)
- volume control for audio inputs + MP3 player
- Power LED indicator
- Clip LED indicator

Technical details:

- 15 inch woofer, 50oz, 2 inch voice coil, 4 Ohms
- 1 inch tweeter, titanium diaphragm driver, 8 Ohm
- frequency response: 20 Hz – 20 kHz
- nominal speaker impedance: 4 Ohms
- max. SPL: 115 dB (+/- 3 dB)
- sensitivity: 98 dB (+/- 3 dB)
- total weight: 18 kgs
- packing dimensions: 485 x 400 x 735

Power requirements:

- IEC power input with integrated fuse holder
- Power supply: 220 – 240V AC, 50/60 Hz
- Fuse: F2.5AL 250V, 20 mm glass
- power factor: 0.85
- power consumption: 300 W max

Included accessories:

- wired dynamic microphone with XLR connection
- IR remote control
- XLR male – XLR female microphone cable
- foldable speaker stand
- power cable IEC C13 to Schuko
- power cable IEC C13 to UK

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