

# DEVINE

## Artis MKII series Active Speaker



## 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:** 10-11-2018 RV     **Revision date and author's initials:** -

# Introduction

Thank you for purchasing this Devine Artis MKII Active Speaker. We advise that you read this user manual in its entirety before unpacking the contents of the box, so that you are familiar with all of the functionality that this product has to offer. Please be sure to check that all of the parts and accessories listed below under 'box contents' are included in the package. In the event that the product does not function properly, or if you have any issues while operating it, please remove the plug from the power socket and contact your dealer for assistance.

## **Box contents:**

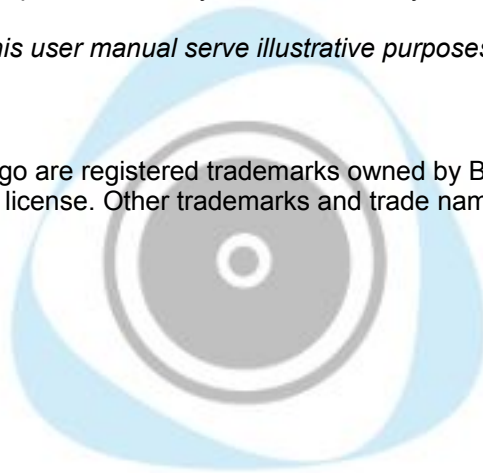
- Devine Artis MKII Active Speaker (8, 10, 12 or 15 inches)
- IR remote control
- power cable IEC C13 to Schuko

## **Please inspect the device and the included accessories.**

Should you discover that either the device or one or more of the included parts have been damaged or rendered defective while in transit, please contact your dealer directly.

*Please note that the pictures in this user manual serve illustrative purposes only and may differ slightly from the product you receive.*

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## **Contact:**

Devine Pro Audio 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 repair or for a refund, please contact your dealer for an RMA  
(Return Merchandise Authorisation).*

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# Safety instructions



## WARNING!



**Keep this device away from moisture, water and rain to avoid the chance of electric shocks.**

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

- Be qualified
- Be skilled
- 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.
- To achieve optimal performance, inputs on this device should not be fed with a signal higher than necessary.
- The device should only be used indoors; contact with water, rain and moisture should always be avoided. Do not place any objects containing liquids 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 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 this could 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.
- Only use this device with power from a grounded power source.
- In the event that the device is exposed to extreme temperature changes (e.g. transported through a cold outside 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 could lead to electric shocks.
- This device is equipped with cooling fins at the rear for dissipating heat. Make sure that there is sufficient air circulation around the cooling fins and do not cover them.

### **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
  - beaches where there is sand and salt
  - outdoors
  - indoors in spaces where intense heat sources are present, or where it reaches temperature levels that would be considered uncomfortable for a person

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- Avoid impacts 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.
- The user should be able to stop the device's power supply in case of emergencies. At least one of the following should therefore be accessible at all times:
  - the power cable connector on the back of the unit
  - the power socket the cable is plugged in to
  - the power socket switch or extension cable switch
- 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 is designed for mobile use. It can be transported separately as long as it's well-protected against shocks and collisions.
- 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:**

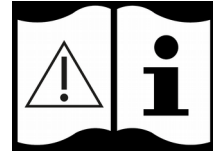
	<p><b>WEEE:</b> Ensure that this device is disposed of properly. This product falls under the WEEE (Waste Electrical and Electronic Equipment) directive. The requirements of this directive apply to all manufacturers and producers of electronic devices in the EU. Do not throw this product away with regular 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.</p>
	<p><b>CE:</b> The CE logo indicates that this product meets the European norms and requirements to which it must legally conform.</p>
	<p><b>Only suitable for indoor use:</b> this product was only designed for indoor use. The maximum environmental temperature must not exceed 40 degrees Celsius (104 degrees Fahrenheit).</p>

**Battery danger:**

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## Warning!



**Do not ingest the battery.  
Risk of injury due to chemical burns.**

**The included remote control comes with a button-cell battery.**

**If a button-cell battery is ingested, this can cause life-threatening internal burns within just 2 hours and possibly lead to death.**

**Keep new and used batteries away from children.**

**If the battery compartment does not close properly, do not use the product and keep it away from children.**

**If you suspect a battery has been ingested or otherwise inserted in the body, seek medical attention immediately.**

### **PLEASE NOTE!**

Risk of explosion if the battery is not replaced properly.

Only replace the battery with a new battery of exactly the same type.

Do not expose batteries to intense heat from sunlight, open fire, etc.

Do not leave batteries out in high-temperature environments. This could cause an explosion or flammable fluid or gas leaks.

Do not burn batteries or place them in a hot oven. Do not try to shape the battery or make incisions in it, as this could cause an explosion.

Do not expose batteries to extremely low air pressure levels (at high altitudes), as this could cause explosions or fluid or gas leaks.

If equipment has gone unused for an extended period of time (a few months for instance), then the battery should be removed.

Remove empty batteries from the device immediately.

Do not store batteries individually or carry them in your pocket, wallet, or bag. Contact with metal objects such as coins and keys can cause leaks, tears, or short circuits.

Keep batteries out of reach of children.

### **Recycling:**

Never throw batteries away with the regular rubbish. Batteries contain substances that can be hazardous to the environment. When batteries are recycled properly, they become a valuable source of sustainable material. Contact your local authority about how to dispose of batteries in an eco-friendly way.

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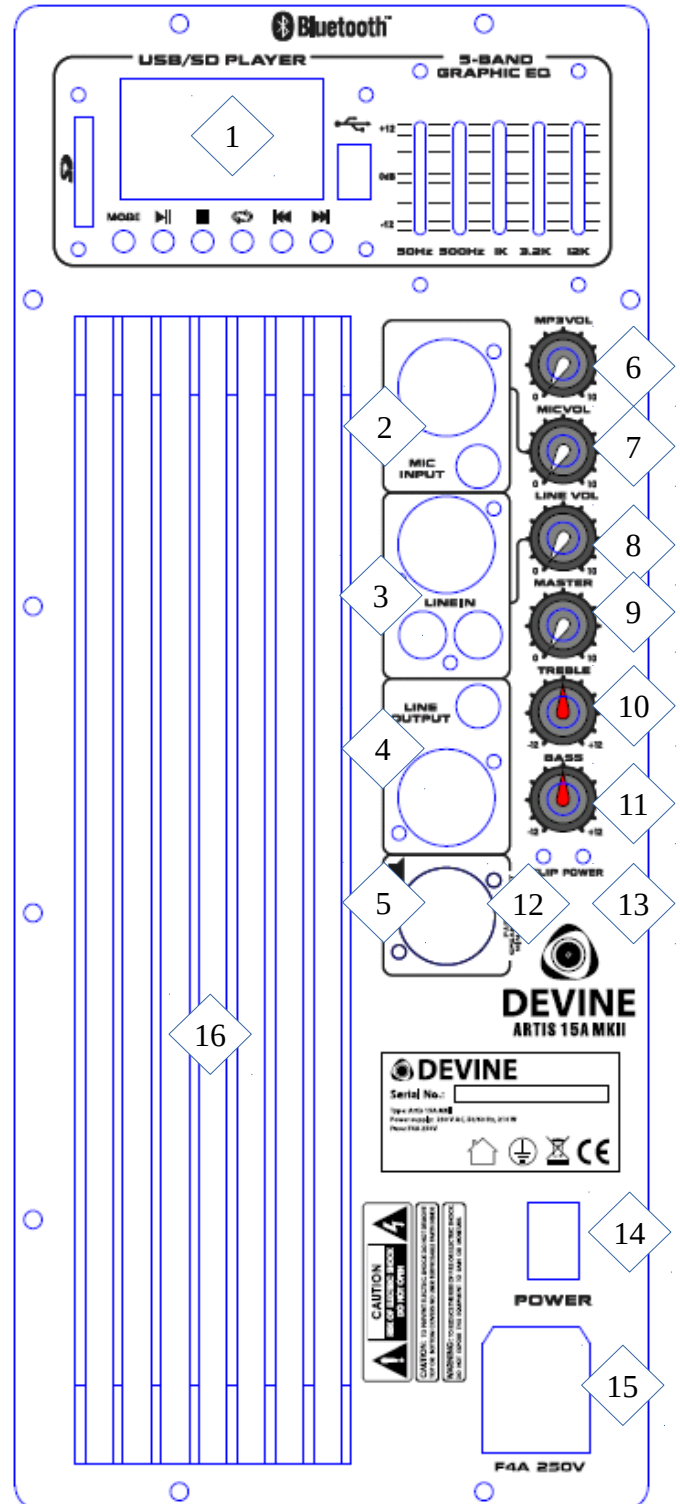
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# Guidelines and operation of this device

**Please note**, the images may vary from the actual model. The images below show the silkscreen for the 12A and the 15A MKII.

1. MP3 player with Bluetooth, USB and SD functionality (remote control included)
2. Microphone input via balanced 3-pin XLR and TRS jack plug
3. Line input via stereo RCA or mono balanced 3-pin XLR
4. Link output (line signal) via balanced jack TRS jack plug or 3-pin XLR
5. Speaker output via lockable speaker connector
6. MP3 player volume control
7. Microphone volume control
8. Line signal volume control
9. Main volume control
10. Treble tone control (+/-12 dB)
11. Bass tone control (+/- 12 dB)
12. Clip LED indicator
13. Power LED indicator
14. On/off switch
15. IEC C14 power input with fuse holder
16. Cooling fins

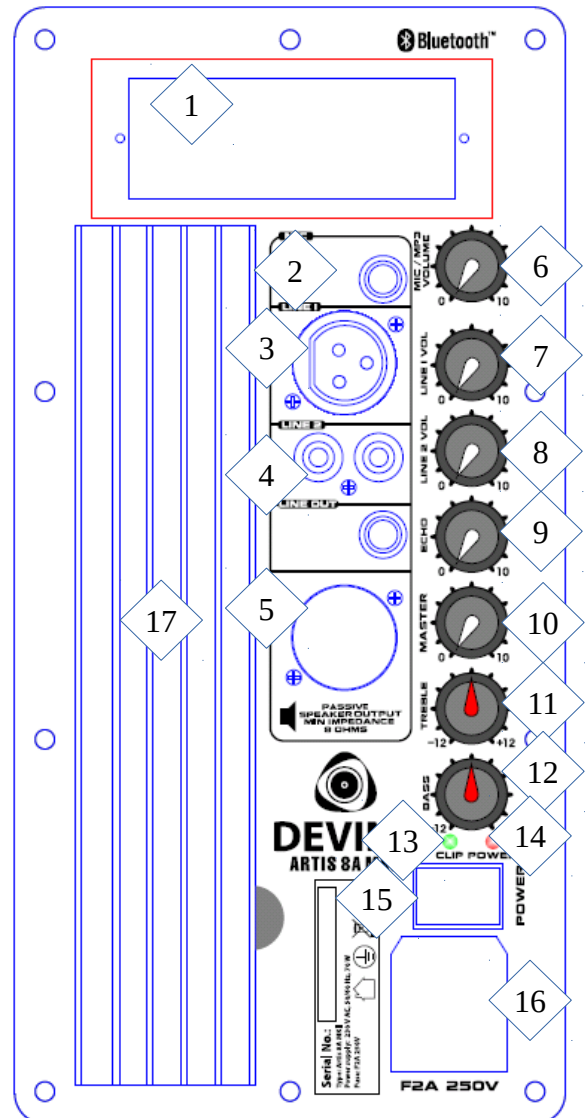


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The construction of the rear panel on the 8A is slightly different than the 10A.

1. MP3 player with Bluetooth, USB and SD functionality (remote control included)
2. Microphone input via TRS jack plug
3. Line input via stereo RCA or mono balanced 3-pin XLR
4. Link output (line signal) via balanced TRS jack plug
5. Speaker output via lockable speaker connector
6. MP3 player volume control /microphone volume
7. Line signal volume control XLR
8. Line signal volume control RCA
9. Echo function (influence on MIC / Line 1)
10. Master volume control
11. Treble tone control (+/-12 dB)
12. Bass tone control (+/- 12 dB)
13. Clip LED indicator
14. Power LED indicator
15. On/off switch
16. IEC C14 power input with fuse holder
17. Cooling fins



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### **MP3 player basic functionality:**

- The MP3 player supports both SD cards and USB sticks of up to 32 GB (memory storage unit with higher capacity may also be supported but this is not guaranteed). WAV and MP3 files are supported. Other file types may be supported, but this is not guaranteed.
- The MP3 player normally starts automatically when the speaker is turned on. Press and hold the mode button for 2 seconds to switch the MP3 player off or back on.
- Use the Mode button to switch between the various audio sources.
- Select Bluetooth mode to playback via Bluetooth. Pair the speaker by activating Bluetooth on your audio device and selecting it from the list of Bluetooth devices nearby. Once the two are successfully paired and the volume is turned up, you will hear a tone that indicates that the speaker is connected to your device.
- If the Bluetooth mode displays 'Disconnected', then a connection with the Bluetooth device was unsuccessful. (12A/15A model only)
- If the Bluetooth mode displays 'Connected!', then the connection with the Bluetooth device was successful. (12A/15A model only)
- It is not possible to pair a Bluetooth device unless Bluetooth mode is activated. It is not possible to make a Bluetooth connection if the MP3 player is turned off or in FM mode, for instance.
- It is not possible to pair multiple Bluetooth devices with the speaker at the same time. In order to pair another device, the current device needs to be disconnected.
- In FM radio mode, it is necessary to scan the FM range by holding down the Play/Pause button or holding it down shortly. The radio will automatically scan for registered radio frequencies. You can interrupt this process by pressing the Play/Pause button again, and then use the << and >> buttons to go to the following or previous radio station. The MP3-player stores all scanned presets. If you use the speaker in another location, it's recommended to carry out a new scan.
- The FM receiver on the MP3 player and the infrared transmitter are incorporated out of sight into the front of the speaker. For optimal results, do not place anything in front of the speaker.
- For optimal results, it is recommended to carry out a full FM scan so you know which radio stations there are to choose from. Once the player has completed a scan of all the available frequencies, it will automatically switch back to the first preset.
- If you have a Bluetooth device, SD card or USB stick as your audio source, use the indicator controls on the speaker. Play or pause a track with the >|| button, skip or go to previous tracks with the |<< or >>| buttons.
- The MP3 player also features a main volume control. Use the V- or V+ buttons on the panel (hold the button down until the desired volume level is reached) or use the remote control.
- The MP3 player in the Artis 8A and 10A has a mini USB plug for special types of storage media, including certain Android devices. Compatibility with your specific device however can not be guaranteed.

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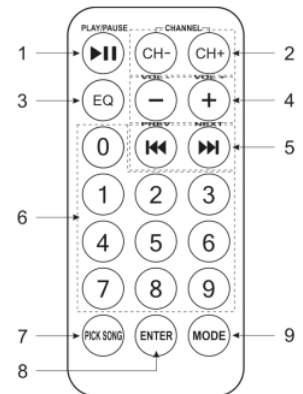
## Remote control

The included infrared remote control is direction sensitive, which means it must always be pointed at the front of the speaker for optimal coverage. Bear in mind that objects located between the transmitter and the receiver can be negatively affected.

The speaker's infrared receiver is hidden behind the grille on the front of the speaker. It's located in the top 1/3rd of the speaker.

Functions of the remote control:

1. Play/pause button: Push this button to play or pause a track (this function does not work in all modes, such as FM)
2. Channel +/-: Push this button to go to a previous or following channel(FM)
3. EQ function: Use this button to adjust the EQ preset of the player (this function does not work in all modes, such as FM)
4. Vol +/-: Increase or decrease the volume level of the player. The volume is set to maximum value by default.
5. Prev/Next: Use this button to go to the previous or following track. This function works in Bluetooth, USB and SD mode.
6. Number keys: Use these keys to go directly to a specific track in a mode that works with files, or use it to select a radio preset in FM mode.
7. Pick Song: Use this button to confirm a number preset.
8. Enter: Use this button to select a playback mode (Artis 12A / 15A MKII models only). It is possible to play tracks once.
9. Mode: Use this button to select the playback source. Choose between Bluetooth, USB, SD or FM. It is possible that some modes are not available in the list, for example because the source device is not connected.



Please note that other wireless infrared remote controls can have an effect on the functionality of the speaker due to similar signals. This type of remote control is also used for consumer electronics.

When using multiple speakers with infrared functionality and only one speaker reacts to the remote control, it is recommended to place them further apart and aim the infrared remote at the speaker in question in a way that the other speaker(s) can not pick up the signal.

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# Operating the device

The Artis MKII speaker can be used for different purposes, but it's important to be aware of the following information beforehand in order to achieve optimal performance.

## Warning before use

Devine's Artis MKII speakers are capable of producing volume levels that can cause temporary or permanent hearing damage. Use these units with care and keep the volume at a reasonable level when possible. The volume should ideally be set to a comfortable level when listening to music.

Devine cannot be held liable for any injuries or damage resulting from the use of this product.

## General use

### Housing

The Artis MKII speaker has a robust housing made of moulded plastic. While this is designed to withstand regular mobile use, it is not designed to withstand falls or damage by (relatively) sharp objects.

During use, storage and transport, ensure that the speaker cannot fall or be damaged by nearby objects that could fall or move.

### Handles

The Artis speakers are all equipped with a handle on the top and handles on both sides.

The handles are designed to make it easier to pick up and move the speakers only. They should never be used as part of the speaker's installation. The use of harnesses or tension straps is not recommended when stacking the speaker on top of a subwoofer, for instance. If you do decide to use harnesses or straps, however, ensure that the handles are not subjected to great forces as this is likely to cause damage.

### Protection during transport

While the Artis MKII speakers can be transported, they are not waterproof and caution is therefore advised if they taken outside during rain or in adverse weather conditions. If they are exposed to moisture in any form, ensure that they are completely dry again before use. Failure to do so may result in a short circuit which could cause permanent damage or injury. Exposure to moisture can also cause visible or invisible corrosion which may cause damage in the long term.

### Grille

The Artis MKII speakers are equipped with a metal grille on the front that protects the speaker components. The grille should not be removed by the user. The acoustic foam behind the grilles keeps the components safe from moisture, dust and other small particles.

### Stand flange

The speaker is equipped with a 35 mm stand flange on the bottom which allows it to be easily mounted on a stand. From an elevated position, the speaker's high tones will travel further thereby reaching a larger audience.

For optimal sound dispersion, the middle of the speaker's woofer should ideally be placed at a height of between 1.80 and 2.00 metres.

By means of a knob, the stand flange can be tightened to hold the speaker firmly in place on the stand. As well as being secure, this also prevents undesirable vibrations and resonance.

When the speaker is mounted on a stand, make sure that the stand is not placed anywhere it will be in the way and/or could be knocked over. The legs on a stand should always be fully extended to ensure optimal stability.

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The 35 mm stand flange can also be used to mount the speaker on a suitable wall bracket. Consult the manual or instructions that come with your wall bracket to ensure proper installation before mounting the speaker.

## Audio technology

The Artis MKII speaker series features the very latest in audio technology. By adhering to the following tips and instructions, you can make the most of everything this speaker has to offer for the very best audio and performance quality possible.

### 1. MP3 player with Bluetooth, USB and SD

The built-in MP3 player in the Artis MKII speaker series is full of functions and is commonly used to play background music or backing tracks. USB sticks and SD cards of up to 32 GB including map structures are read perfectly.

Music can be streamed endlessly via Bluetooth because it comes from an external device. This can be any audio source with Bluetooth functionality such as a computer, laptop, tablet, smartphone or MP3 player. What's more, you don't need to use the audio source device to navigate through your tracks, as this can be done on the MP3 player on the speaker itself or via the remote control.

Navigate through the various functions easily with the help of the display and menu keys.

#### Remote control for MP3 player

The remote control for the MP3 player has infrared capability. The IR receiver is located behind the grille on the front of the speaker just above the woofer. For optimal results, it's important to aim the remote control directly at the IR receiver at a maximum distance of ten metres.

#### Microphone input

This input is suitable for connecting a wired microphone by means of a (balanced 3-pin XLR or) TRS jack plug. It is for a dynamic vocal microphone that does not require phantom power.

#### Line input

The line input is suitable for a stereo source that transmits a line signal, such as a laptop, MP3 player, smartphone, CD player or MP3 player. The source can be connected via the stereo RCA connections.

If you use a PA mixer, DJ controller or DJ mixer with two speakers that are at a greater distance from the audio source, then it is recommended to use the balanced 3-pin XLR input. The left signal goes to the left speaker and the right signal goes to the right speaker.

#### Line output

The line output is a balanced XLR/TRS jack (depending on the model) that allows the signal to be passed on to additional speakers. The output signal is the same signal that the speaker itself is using and is not set. Changing the volume level on the speaker, therefore, will also affect the output signal.

### 2-band EQ / tone control

The Artis MKII speakers are equipped with a 2-band bass and treble tone control that influences the character of the sound. For public speaking, for instance, it may be desirable to reduce the low frequencies to make speech more understandable.

When playing background music at a low volume, you may wish to reduce the treble and turn up the low frequencies for a warmer sound.

When using the speaker as a floor monitor, reduce the low frequencies to prevent unwanted vibrations because sufficient lows will normally already be provided by the PA system.

When using the speaker for PA purposes, it's recommended to leave the tone controls in a neutral position (0 dB, 12 o'clock)

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Bear in mind that the sound can distort or clip if you turn one or both controls too far to the left or right. It is therefore recommended to only use these controls for subtle sound corrections and never turn them completely to the left or right.

The Artis 12A and 15A MKII models also feature a 5-band equalizer that enables the user to adjust the speakers with great accuracy.

### **Speaker volume**

Artis speakers offer good audio amplification for an affordable price. The built-in components are aligned in such a way that normal use should result in good audio quality.

If you notice that the speaker sounds different than normal (distortion or crackling) and/or the Clip LED on the rear lights up, then reduce the volume level immediately. Continuously overloading the speaker can lead to permanent damage. Make sure your sound system is set up so that the connected audio source can not transmit a heavily overloaded signal. DJ devices such as mixers or controllers are capable of this.

If you are at the controls of your speaker system, set the audio source to a signal transmission of +3 to +6 dB (with music) and adjust the speaker volume so that the Clip LED does not light up. If your equipment does not have an indicator for this, set it to the maximum volume (making sure the signal is not distorted) and turn the speaker volume up gradually while remaining under the Clip level.

As long as the source device continues to transmit at 0 dB (the most ideal level for optimal volume), you can not overload the speaker, not even with an accidental peak of +3 or +6 dB.

If you are not at the controls of your speaker system, it's recommended to use a limiter that 'penalises' heavy overloading by reducing the volume considerably. The result is a lower volume level and an inferior sound. This solution is much better however than allowing the speaker to overload, which can cause damage to the speaker components.

### **LED indicators**

The green LED on the speaker will light up whenever the speaker is connected to an active power source and turned on.

The red LED on the speaker is an indicator for the clip limiter and will light up whenever the amplifier module is overloaded by an input signal that is too loud. In this case, appropriate adjustments should be made until the clip LED indicator no longer lights up.

Continually overloading the amplifier module and causing the clip LED to light up is likely to cause permanent damage to both the amplifier module and the speaker components and shorten their lifespan considerably. Damage caused by negligent use is not covered by the warranty.

### **Using a microphone**

It's possible to connect a microphone to the Artis MKII speaker by means of the microphone input only. Even though there are two connections on certain Artis speakers, only one input can be used at a time.

For optimal sound quality, a microphone should be placed at a maximum distance of 5 cm away from the mouth and spoken into at a sufficient volume so that minimal amplification is necessary. A microphone is directional and will not usually capture much sound from the back or sides.

Ensure the speaker/vocalist does not hold the microphone too far away from the mouth. If the mic is held too far away, it becomes less sensitive so you'll need to amplify more, which increases the risk of feedback, resulting in a loud, high-pitched tone.

Microphones should never be held directly in front of a speaker as this can cause feedback. Should this happen accidentally, remove the microphone from the vicinity of the speaker immediately and turn down the volume control.

People using microphones should ideally stand directly next to or behind speakers in order to prevent any problems with feedback. Standing in front of a speaker will almost always result in the sound of the speaker itself also being picked up by the microphone.

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### **When using as a monitor**

The Artis MKII series speakers are suitable for use as (floor) monitors and can be placed at an angle so that the sound is directed towards artists, performers or presenters. No extra adapters or supports are required. Make sure that the speaker is not pushed across surfaces as this may damage the speaker's housing.

### **When using with external equipment**

It's possible to use the Artis MKII speakers with external equipment like crossovers, equalisers and speaker management systems. Bear in mind that using external equipment may change the character of the speaker's sound. Normally, it's best to ensure that the speaker's 2-band EQ is set to the neutral position before connecting external equipment.

### **When using with a subwoofer**

When you want to use the Devine Artis MKII speakers with an optionally-available subwoofer, choose a suitable subwoofer like Devine's Onyx active subwoofers. It's best to choose a subwoofer that's a size bigger than your speaker. Normally, the signal from your sound source (a DJ mixer, PA mixer, smartphone or laptop, for instance) should be connected to the subwoofer first and then to your speaker. This allows the subwoofer to filter out and reproduce the remaining frequencies and pass on the remaining mid and high frequencies to your speaker, which ensures optimal sound reproduction overall.

The signal from your speaker can be passed on to additional speakers should you wish to use more than one in conjunction with a subwoofer.

If you want a setup with multiple subwoofers and speakers, the left and right signals should be separated. They should still go through the subwoofers first. Use the Link function to connect subwoofers and connect the speakers to the last subwoofer in the chain via the filtered output. This means that each subwoofer gets the full signal and can filter out the low frequencies itself. The last subwoofer in the chain will then pass the filtered signal on the speakers for the best possible sound quality without having to use any external equipment.

Using additional equipment like a speaker processing system gives you additional possibilities when it comes to tweaking the sound and making adjustments that are appropriate for your situation.

### **Connecting a passive speaker**

It's possible to connect an additional passive speaker to one of the active Artis speakers by means of the lockable speaker output. Ensure that the passive speaker you want to use has a minimum impedance of 8 ohms. Also ensure the speaker is turned off when you connect an additional speaker. Plug in the connector and rotate it 1/4 turn until you hear a 'click', which indicates the connector is locked. To release it, press down on the metal lip on the connector with your thumb and carefully pull the connector towards you until it comes out.

Bear in mind that the output capacity of the internal amplifier module will change. Normally, it runs on an impedance of 8 ohms that changes to 4 ohms with an additional, parallel 8-ohm speaker connection.

Basically this means that the amplifier produces almost twice as much output (less resistance = more output), but this can be distributed over two speakers. This functionality is designed to increase the speaker range (and achieve a wider audio dispersion angle with 2 speakers next to each other).

The sound pressure level will probably not increase because the addition of a similar speaker will add about 3 dB extra. This also ensures certain frequencies either amplify each other or cancel each other out when 2 speakers side by side face the same direction, which can have an effect on the sound quality.

Always use a passive speaker with properties that are as similar to the original Artis speaker as possible. Always use a speaker cable that is thick enough to bridge long distances. A cable thickness of 1.5mm<sup>2</sup> per conductor is recommended.

### **Connecting a passive subwoofer**

It is not recommended to connect a passive subwoofer to the active Artis speakers via the speaker output:

- a subwoofer requires a lot of output and the low tones need a significant amount of amplifier power. This amount is sometimes twice the amount needed for the array speakers in order to maintain a balanced sound.
- the subwoofer needs to be equipped with a built-in filter to remove the high tones (a subwoofer can not

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produce high tones). These tones are already amplified and converted to warmth by the Artis. A small portion of the low tones remain intact as a result.



# DEVINE

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# Speaker Troubleshooting Guide

If you have a problem with your speaker, please consult this troubleshooting section for possible solutions. If, after consulting this section, the problem remains unresolved, please contact your dealer for more information and/or help.

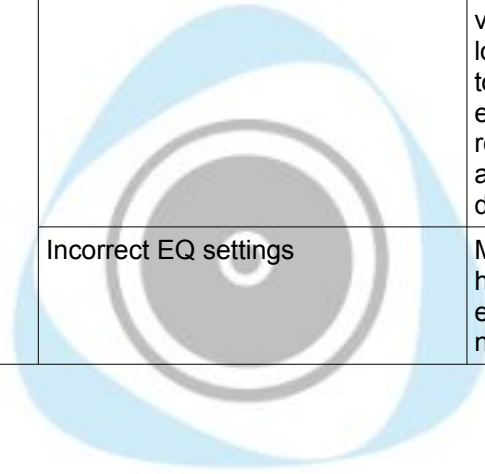
This troubleshooting section contains information on how to solve the most common speaker problems, but it does not and cannot cover every eventuality. It is possible that you won't find your problem, cause and solution in this section due to differences between various connecting devices.

Problem	Possible cause	Solution
Speaker does not turn on with mains power	Defective fuse	Check the fuse, which is located under the power input, to rule out if it's blown or not. If it is blown, replace it with a new fuse of the same type and class.
	Problem with the power cable	Check that the power cable is plugged into an active power socket and the speaker properly. Try using another cable of the same type to determine if there's a problem with the power cable and if there is, replace the problem cable.
	Speaker doesn't turn on	Check if the power switch on the back of the speaker is set to the 'on' position.
	Power LED doesn't light up	If the speaker is connected to an active power socket, the fuse has been checked and the power switch is ON but the power LED is not lighting up, there may be a problem with speaker itself. In this case, the speaker should be turned off again and you should contact your dealer for assistance.
No sound via one of the inputs	Cable not connected properly	Make sure the cable between your sound source and the speaker is connected properly.
	Line/mic signal switch in wrong position	If present on the input channel, set the signal switch to the correct position for the connected device.
	Microphone is not on	Make sure the microphone switch, if present, is switched on.
No sound from the master output	Volume control is not turned up	Turn up the master control volume to a sufficient level.
Red Clip Limiter LED lights up often or continually	Volume is too high	Decrease the volume level on the speaker or the connected audio source device. Continuous exposure to overloading can cause permanent damage.

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Distorted, clipping, crackling sound	Source device is transferring a distorted signal	Check if any of the connected source devices is transferring a distorted signal and turn down the volume on the device if necessary.
	Volume control is too loud	Turn the volume down
	The tone controls for treble and/or bass are too high or too low.	Turn the tone control back to 12 o'clock and listen to see clipping is still audible.
	Woofers or tweeters are defective	If a speaker is exposed to a loud, distorted, or clipped signal for a longer period of time, this can cause permanent damage to its internal components. If you suspect that the woofer or tweeter is damaged, contact your local dealer for assistance.
Sound is dull	Tweeter is defective	Turn the speaker to an appropriate volume (ensure that it's not too loud) so that you can listen directly to the tweeter with it close to your ear. If the tweeter is not responding it is probably defective and you should contact your dealer for assistance.
	Incorrect EQ settings	Make sure one of the EQ controls has not been set extremely high or extremely low and set it to a neutral position if possible.



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# Specifications

## General specifications for all models:

- lightweight speaker cabinet with plastic housing
- 8, 12 or 15-inch active speaker with woofer and compression driver + horn
- metal grille
- practical handles
- acoustic foam behind grille to prevent any unwanted matter from getting inside the speaker
- grille covers the front of the subwoofer for optimal protection
- various inputs for microphone, laptop, smartphone, keyboard, DJ controller and MP3 player, among others
- built-in MP3 player with Bluetooth functionality and included infrared remote control
- cabinet design also suitable for use as a floor monitor
- 35mm stand flange with tightening knob secure mounting on a speaker stand and optimal dispersion of the high tones
- built-in clip limiter
- Power LED indicator and Clip LED indicator
- 2-band tone control (Bass / Treble)
- extra 5-band tone control on 12A and 15A models
- microphone input via TRS jack (or 3-pin balanced XLR on 12A and 15A models)
- line input via 3-pin balanced XLR or stereo RCA
- link line output via TRS jack (or 3-pin balanced XLR on 12A and 15A models)
- speaker output via lockable speaker connector (min. 8 ohms)
- speaker output for connecting additional passive speaker to enhance audio dispersion
- IEC C14 power input with fuse holder
- on/off switch

## Technical specifications per model:

Model	Artis 8A MKII	Artis 10A MKII	Artis 12A MKII	Artis 15A MKII
Frequency range	70 Hz – 18 kHz	60 Hz – 18 kHz	55 Hz – 18 kHz	45 Hz – 18 kHz
Amplifier output power (RMS / Peak)	70 / 150 W	100 / 200 W	150 / 300 W	200 / 400 W
Amplifier type	Class AB			
Sensitivity	95 dB		96 dB	
Low tone speaker	8-inch woofer	10-inch woofer	12-inch woofer	15-inch woofer
High tone speaker	1-inch driver		1.35-inch driver	
high tone driver with horn dispersion	90 x 60°			
Crossover frequency	3 kHz		2.8 kHz	
Connection voltage	230V AC, 50 Hz			
Fuse	F2A 250V	F2A 250V	F3A 250V	F4A 250V
Nominal maximum power consumption	70 W	100 W	150 W	200 W
Dimensions	330 x 275 x 580 mm	390 x 325 x 58 mm	455 x 375 x 680 mm	510 x 425 x 790 mm
Weight per speaker	6 kg	9 kg	15.5 kg	19.5 kg

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