



DEVINE

**Artis series
Artis 12A
powered speaker**



User manual

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

User manual version: 3.0 Creation date + author initials: 27-03-2014 RV Revision date + author initials: 27-03-2014 RV

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!

This unit must be operated by, or under the supervision of an adult. This device is not suitable for children.

Every person involved with the installation, operation and maintenance of this device has to:

- Be qualified
- Follow the instructions of this manual
- 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:

- Always keep the power cord away from other cables. Handle the power cord and all connectors 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 this object into air vents.
- 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 fixture 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 of 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.

Guidelines and types of use:

- This device is intended to be used by professionals on stage, in theaters, clubs and other equal venues.
- This device is not suitable for 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, without roof protection
 - Indoor areas where intense heat sources are present or where the temperature exceeds levels which are comfortable for humans.
- Only use the included power adapter 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 does not take responsibility for any damage or injury caused by improper use.

Storage and transport:

- This device is intended for mobile use. When transported, use the original packaging of the product, or a fitting flightcase, preferably filled with foam.
- This device is not intended for permanent 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 packaging, or in a fitting flightcase.
- 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 are loose.
- Do not use the power cord when 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.

Fuses:

- The main fuse of this device is to be found on the rear of the device. In most cases, directly 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 with electrical wires, aluminum foil, as the fuse is used for protection against electrical shocks and short circuit.
- Always mount the fuse cover back to the fuse compartment.

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Guidelines for speakers



WARNING!

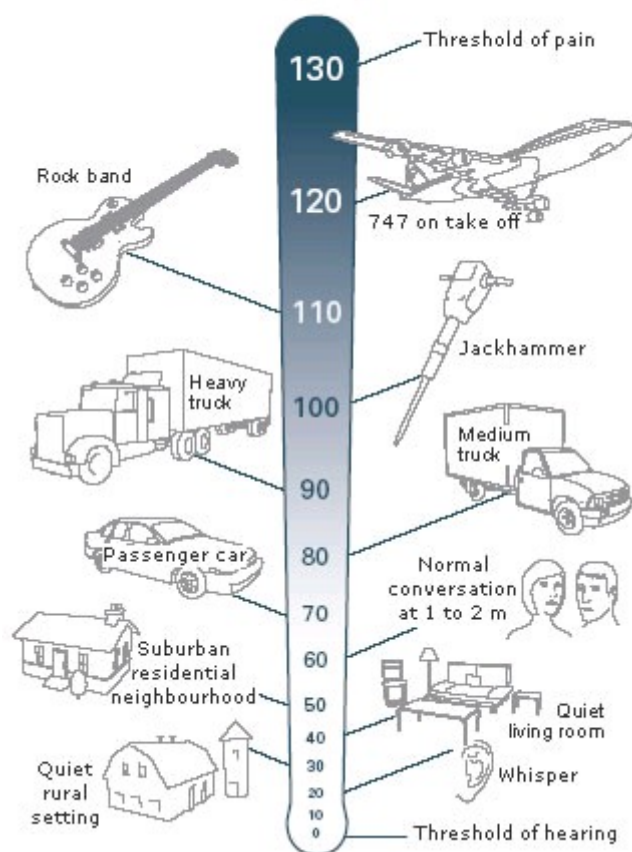


This loudspeaker is capable of producing a sound pressure level which can be harmful for humans and animals when used incorrectly and/or without protection. Possible permanent hearing loss may occur when humans or animals are exposed to high sound pressure levels for a longer period of time.

- 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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Introduction

Thank you for purchasing this passive Devine Artis speaker. To make sure you use this loudspeaker as intended and for optimal performance and protection of this speaker, Devine recommends you read this user manual.

Box contents:

1x Artis 12A speaker
1x set of monitor feet
1x power cable

Warning!

- This loudspeaker is not suitable for use outside. Keep this speaker away from moisture and rain.
- This loudspeaker is capable of producing sound levels that may cause severe and permanent hearing damage.
- Make sure the speaker cabinet is installed on a proper surface when used. Place this speaker on the floor, on a professional speaker stand, on a suitable wall-bracket or on the included monitor feet. Devine is not responsible for any damage caused by improper installation of this device.
- This speaker is equipped with M8 mounting inserts, but this device is not intended to be rigged with these points. When doing so, contact a skilled technician for your own safety and only use proper eyebolts with metric thread. Devine can not be held responsible when this device is not properly installed.
- To clean this speaker from any dirt or dust and keep it in optimal shape, use a sponge or cloth with a non-aggressive solution mixed with water. Do not detach the grill to clean the speaker with any wet cloth, as this may cause permanent damage!
- Always check the voltage settings on the unit and the power supply you want to connect the device to. If the voltage requirements do not meet, do not connect the device as this may cause serious damage.
- This unit must be connected to a grounded power supply that meets the voltage requirements of the device.
- Do not cover the heatsink on the rear of the amplifier module and do not place the speaker directly against any walls or objects to prevent overheating.

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Use of the speaker

This speaker is designed to perform in professional environments. Either speech, music, or any other type of sound can be played through this speaker.

The Artis A-series are equipped with their own power amplifier, mounted on the rear of the speaker. This module also houses the internal USB/SD MP3-player and the several connections + volume controls.

The built-in power amplifier is capable to produce enough power for the speaker alone, but for specific situations it is possible to connect a passive Artis speaker for better sound dispersion (e.g. for presentations and other low-volume applications). Take notice that the maximum power of the amplifier will slightly decrease, because it has to provide power to two speakers on a low impedance.

The built-in USB/SD MP3-player supports most USB-thumbdrive and SD(HC)-cards. However, the results of some models may vary as many manufacturers have their own standards. The display shows track information and with the silver buttons you are able to browse through your data. It is not possible to mix the USB- and SD-slot, only one at a time can be used.

Make sure you connect the right audio sources to the right inputs. The mic input is suitable for most microphones, but does not supply phantom power, if your microphone requires that. The line input is suitable for RCA-sources (MP3-players, laptops, smartphones, tablets) and can also be used with an adapter cable to a 3.5mm jack (not included). A XLR-connector is provided for professional audio sources, such as DJ or PA mixers, electronic keyboards and so on. The line output is used to connect a second speaker, such as another Artis active speaker. The speaker output is only suitable for passive speakers, such as the Artis passive speakers. Contact your local dealer when in doubt, as a wrong connection may cause permanent damage.

This speaker comes with two monitor stands, which makes horizontal positioning possible. This feature is often used when the speaker needs to perform as a floor monitor for artists.

Mount the monitor stands as illustrated below:



This speaker is also equipped with a lockable 35mm stand adapter, which makes it possible to place the speaker on a suitable height. This makes the distribution of high and mid-frequencies easier. See the image above for details. The lockable screw-knob positions the speaker firmly on your speaker stand, thus preventing any type of resonance.

Warranty is void when damage to this speaker is caused by improper use. When any damage to this speaker occurs, please contact your local dealer for help.

Power amplifier module section

The built-in power amplifier module, combined with the built-in MP3-player, connectors and volume controls, has several options. A short explanation for each feature is described below:



1. MP3 player display with menu buttons	10. EQ adjustment – treble (+/- 12 dB)
2. MP3 player USB input	11. EQ adjustment – bass (+/- 12 dB)
3. MP3 player on/off switch	12. CLIP LED indicator (red)
4. MP3 player level control	13. Power LED indicator (green)
5. Microphone input (XLR / 6.35 mm TRS)	14. Passive speaker power output (8 Ohms)
6. Microphone level control	15. Power on/off switch
7. Line input (stereo RCA/mono XLR balanced)	16. IEC power input with fuse holder
8. Line input level control	17. Amplifier heatsink
9. Main volume level control	18. Line output – balanced XLR or 6.35 mm TRS

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Practical information and tips for optimal use of your speaker system

For optimal performance and a long lifespan of your speaker, please pay attention to the following when using your Devine speaker:

- This speaker is equipped with a CLIP limiter, which prevents damage to the speaker. This CLIP limiter will activate at excessive volume levels and a red LED shows when the CLIP limiter is active. Prevent the activation of the CLIP limiter system and the indicating LED. The CLIP limiter protects the system from permanent damage, but is only effective at peak signals. Long term exposure causes distortion and power overload, with possible permanent damage to your speaker system.
- When using an external mixer (such as a PA-mixer or DJ-mixer, make sure your master channel sends out signals at 0dB maximum. This will provide optimal signal quality and with the volume control on the speaker you are able to turn up the volume, just before the CLIP limiter LED will slightly flash. This way you are using the speaker to its full potential with optimal sound quality.
- When using the internal two-band equalizer system and adjusting the sound balance of your speaker, keep the master volume on a medium, neutral level which is comfortable to your ears. When you want to add extra bass, try to decrease the Treble-intensity first. When you want to add more high frequencies (for vocal and speech applications), try to decrease the bass level first.
This way, the EQ system does not have to function as a pre-amplifier, thus providing optimal sound quality.
- Do not remove the protective cover in front of the voltage-switch. The correct voltage is pre-defined at 230V AC. When selecting the wrong voltage you may cause permanent damage to the speaker and its internal components. Only select the 115V AC option when your local power source is capable of delivering this voltage.
- Do not switch the power on and off frequently as this reduces the lifespan of the speaker and its internal components. The speaker can be used for a whole day without any cooling-down time, if sufficient cooling is provided.
- The speaker is equipped with an internal fuse, located directly above the IEC power input section. If this fuse blows for any reason, only replace it with a fuse that has the same values as the original fuse. Do not bridge the gap with any electrical wiring or whatsoever as this voids your warranty.
- Severe shocks and impact must be prevented as much as possible. Secure this speaker properly in place during transport to prevent damage to the housing and the internal components of the speaker.

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 does not activate itself	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 components	Decrease volume settings (signal source, signal source on mixer 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.

Features and technical data

- powered speaker
- robust, lightweight construction
- bass-reflex cabinet
- protective grill
- 12 inch woofer
- 1.34 inch exit tweeter with dispersion horn
- impedance: 8 Ohm
- handle on the side
- 35mm stand adapter with tightening knob
- monitor stands included
- frequency response: 50 – 18.000 Hz (-10 dB)
- sensitivity: 96 dB (+/- 2 dB)
- size: 420 x 310 x 585 mm
- weight: 13 kg

Amplifier module features:

- power: 300W RMS
- peak power: 750W RMS
- amplifier impedance: 4 Ohm
- passive speaker connector through 6.35mm jack connector
- minimum impedance passive speaker: 8 Ohm
- built-in Clip and Power LED indicators
- built-in USB MP3-player with volume control
- microphone input through balanced XLR or unbalanced 6.35mm jack connector with volume control
- line input: balanced XLR and unbalanced stereo RCA connectors with volume control
- line output: balanced XLR or 6.35mm jack connector
- built-in equalizer with bass and treble control
- master volume control
- IEC to Shucko power cable included