

DEVINE

**Artis subwoofer series
Powered subwoofers (B12A, B15A, B18A)**



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:** 15-07-2019 RV **Revision date and author's initials:** -

Introduction

Thank you for purchasing this Devine Artis active subwoofer. 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 active subwoofer (B12A, B15A or B18A)
- power cable IEC C13 to Schuko

Please inspect the device and the included accessories.

Should you discover that either the device or any 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.



DEVINE

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).*

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:** 15-07-2019 RV **Revision date and author's initials:** -

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 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 moisture, water and rain 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 outdoor environment into a warm indoor environment), it should not be turned on until it has reached room temperature. This is necessary to prevent moisture from forming in the device, which could lead to electric shocks.

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

Version: **Date of creation and author's initials:**15-07-2019 RV **Revision date and author's initials:** -
1.0

- 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.

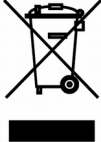

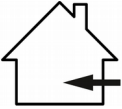
Storage and transport:

- 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>WEEE: Ensure that this device is disposed of properly. This product falls under the WEEE (Waste Electrical and Electronic Equipment) directive. The requirements of this directive apply to all manufacturers and producers of electronic devices in the EU. Do not throw this product away with regular rubbish. Please contact your local authority for more information about how to recycle and dispose of these products in your region. By recycling this product in the proper manner, we can work together to ensure that we can continue to enjoy these kinds of products and still protect the environment as much as possible from pollution.</p>
	<p>CE: The CE logo indicates that this product meets the European norms and requirements to which it must legally conform.</p>
	<p>Only suitable for indoor use: this product was only designed for indoor use. The maximum environmental temperature must not exceed 40 degrees Celsius (104 degrees Fahrenheit).</p>

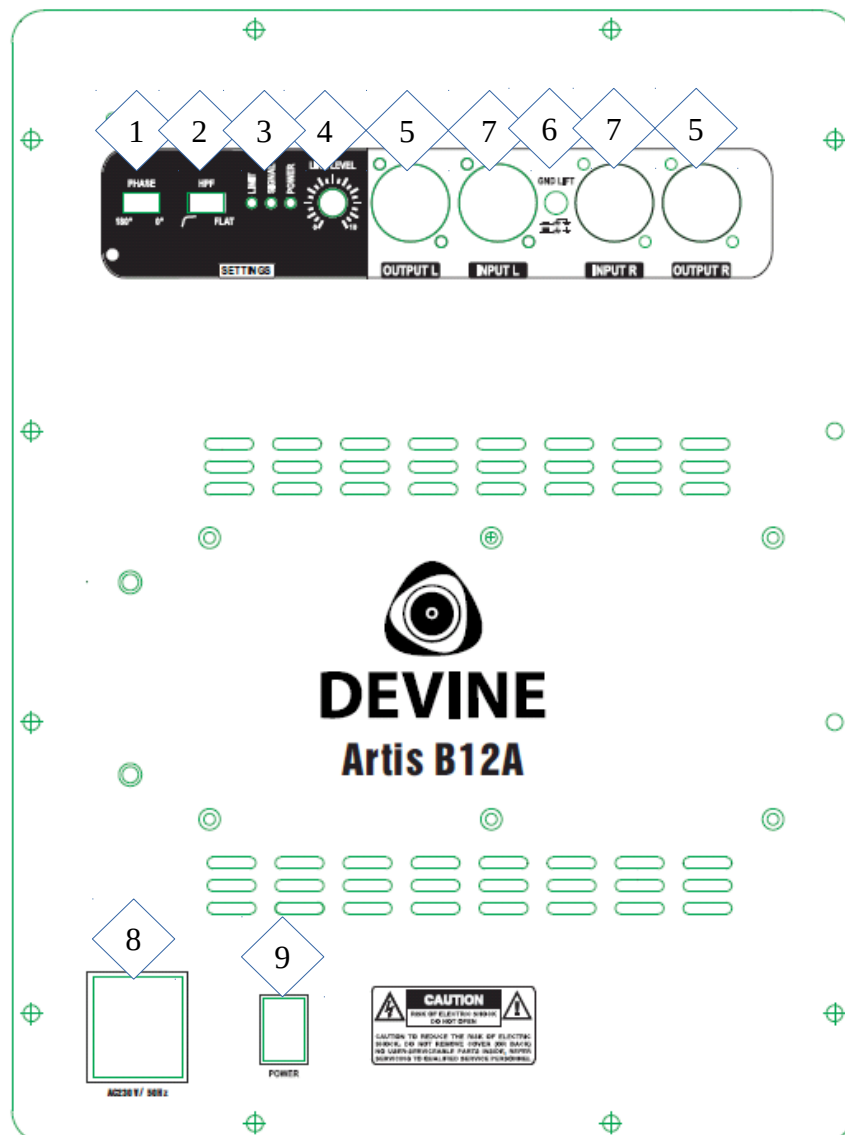
The information in this user manual is subject to change at any time without notice.

Version: 1.0 Date of creation and author's initials: 15-07-2019 RV Revision date and author's initials: -

Guidelines and operation of this device

Please note - the image shown is for reference only and may differ slightly from the actual layout of your device.

1. phase switch (0 - 180 degrees)
2. high pass filter (high pass or flat)
3. LED indicators for limit, signal reception and power
4. volume control
5. 3-pin XLR line signal output (high pass or flat depending on position switch)
6. ground lift switch to disconnect ground signal from inputs and outputs
7. 3-pin XLR line signal input
8. IEC C14 power input with fuse holder
9. on/off switch



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: 15-07-2019 RV Revision date and author's initials: -

Operating the device

The Artis subwoofers 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 subwoofers 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 subwoofer has a housing made of wood with a black, textured coating designed to keep scratches and light damage to a minimum during transport and use. In order to keep your subwoofer in optimal condition for even longer, the use of a separately-available cover is recommended.

Handles

The Artis subwoofers are all equipped with metal handles which makes it easier to pick them up and transport them. The handles must not be used for installation purposes.

Protection during transport

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

Pole mount

The subwoofer is equipped with a 35 mm pole mount so that a speaker can be mounted on top using a speaker pole. Not only does this ensure optimal use of space and a tidy speaker system setup, but it also helps the higher frequencies reach a wider audience by dispersing them over a wider area and, because the subwoofer is on the floor, the lower frequencies are better represented too.

When placing the subwoofer, make sure that it's not in the way, that it doesn't block any routes and that it can't be knocked over.

The pole mount has a maximum capacity of 30 kg which is more than sufficient for most (active) full-range speakers up to and including 15 inches.

Audio technology

The Artis active subwoofers feature 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.

Built-in crossover

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:** 15-07-2019 RV **Revision date and author's initials:** -

The Artis active subwoofers are equipped with a built-in crossover that ensures the incoming signal is filtered so that the subwoofer only receives the low frequencies.

The line signal outputs can be switched between 'flat' and 'HPF'. When 'flat' is selected, the full input signal is sent to the line outputs and when 'HPF' is selected, everything, apart from the low frequencies, is sent to the line outputs. 'HPF' should normally be selected when a satellite speaker is used together with the subwoofer as this relieves the speaker of the low frequencies leaving more power for the mid and high tones for better overall performance.

Ground lift function

The active Artis subwoofers have a ground lift function. When various pieces of connected audio equipment are plugged into different power groups and/or several types of equipment work together on one power group, ground loops can occur. These result in an audible hum that negatively influences sound quality. With the help of the ground lift function, the link between the input and output signals is interrupted so that separate circuits are created that no longer influence each other. This can solve many problems with hum and noise.

How to adjust the speaker volume

The Artis active subwoofers offer good audio amplification at an affordable price. The built-in components are designed to work together in order to produce good audio quality through normal use.

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 cannot transmit a heavily overloaded signal. DJ devices such as mixers or controllers are capable of this.

Set the audio source to transmit a signal 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 ensuring the signal remains 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. This results in a lower volume level and an inferior sound, but this solution is much better than allowing the speaker to overload, which can cause damage to the speaker components.

LED indicators

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

A green LED indicates if the speaker is receiving an audio signal.

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 external equipment

It's possible to use the Artis subwoofers 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.

Also bear in mind that the subwoofer's built-in crossover is always active. It's only the line outputs that can be switched between 'flat' and 'HPF'.

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

Version: **Date of creation and author's initials:**15-07-2019 RV **Revision date and author's initials:** -
1.0

Using in combination with satellite speakers

The Artis subwoofers can be used in combination with Artis full-range speakers or other speakers. Normally, the speakers chosen will be smaller in size than the subwoofer. You might use 8 or 10-inch speakers with a 12-inch subwoofer, for instance, or 12 or 15-inch speakers with an 18-inch subwoofer. Ideally, your source signal (DJ mixer, PA mixer, smartphone, laptop etc.) should be connected to the subwoofer first and then to other speakers. That way, the subwoofer can handle the low frequencies and, via the output, pass on only the mid and high frequencies to the other speakers. The crossover switch should be set to 'HPF' for this. The signal from your speakers can be passed on to additional speakers should you wish to use more than one in conjunction with a subwoofer.

If you intend to use multiple subwoofers and speakers, the signal will normally be split into left and right sides. In this case, the signal should still be connected to the subwoofer first. When linking multiple subwoofers together, make sure 'flat' mode is selected. Only the last subwoofer in the chain should have 'HPF' mode selected as this sub will pass the signal on to your other speakers.

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.



DEVINE

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

Version: 1.0 **Date of creation and author's initials:** 15-07-2019 RV **Revision date and author's initials:** -

Speaker troubleshooting guide

If you have a problem with your subwoofer, 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 subwoofer 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 because product details may differ.

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.
	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.

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: 15-07-2019 RV Revision date and author's initials: -

Distorted, clipping or crackling sound	Connected device is transferring a distorted signal	Check if any of the connected source devices are transferring a distorted signal and turn down the volume on the offending 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 controls back to 12 o'clock and listen to hear if 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.

DEVINE

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

Version: 1.0 Date of creation and author's initials: 15-07-2019 RV Revision date and author's initials: -

Specifications

General specifications for all models:

- powerful 12, 15 or 18-inch subwoofers
- built-in amplifier module for amplification
- robust wooden construction, equipped with hard, textured coating
- metal handles for easy transport
- metal grille, acoustic foam on the inside
- passive cooling, no fans
- 35 mm pole mount for speaker pole and satellite speaker
- pole mount adapter max. load: 30 kg
- phase switch: 0 or 180 degrees
- HPF crossover switch - flat or HPF option for line outputs
- volume control
- ground lift switch
- IEC C14 power input with fuse holder
- equipped with on/off switch
- mains voltage: 220 - 240V, 50 Hz
- fuse: 20 mm glass, 250V, 5A

Technical specifications per model:

Model	Artis B12A	Artis B15A	Artis B18A
Frequency range	20 Hz - 120 Hz		
Voice coil diameter	3 in		4 in
Magnet	60 oz		100 oz
Woofer diameter	12 in	15 in	18 in
Maximum SPL (dB peak)	127 dB	129 dB	131 dB
Impedance	4 ohms	4 ohms	4 ohms
RMS power	300 W	500 W	500 W
nominal maximum power consumption	450 W	750 W	750 W
weight:	18 kg	24 kg	34 kg
dimensions:	440 x 425 x 370 mm	457 x 508 x 432 mm	500 x 950 x 600 mm

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: 15-07-2019 RV Revision date and author's initials: -