

DEVINE

**Artis subwoofer series
Passive subwoofers (B12, B15, B18)**



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 passive 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 passive subwoofer (B12, B15 or B18)

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.



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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 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.
- 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 user should become familiar with the functions of this device before using it.

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- 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:

	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.
	CE: The CE logo indicates that this product meets the European norms and requirements to which it must legally conform.
	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).

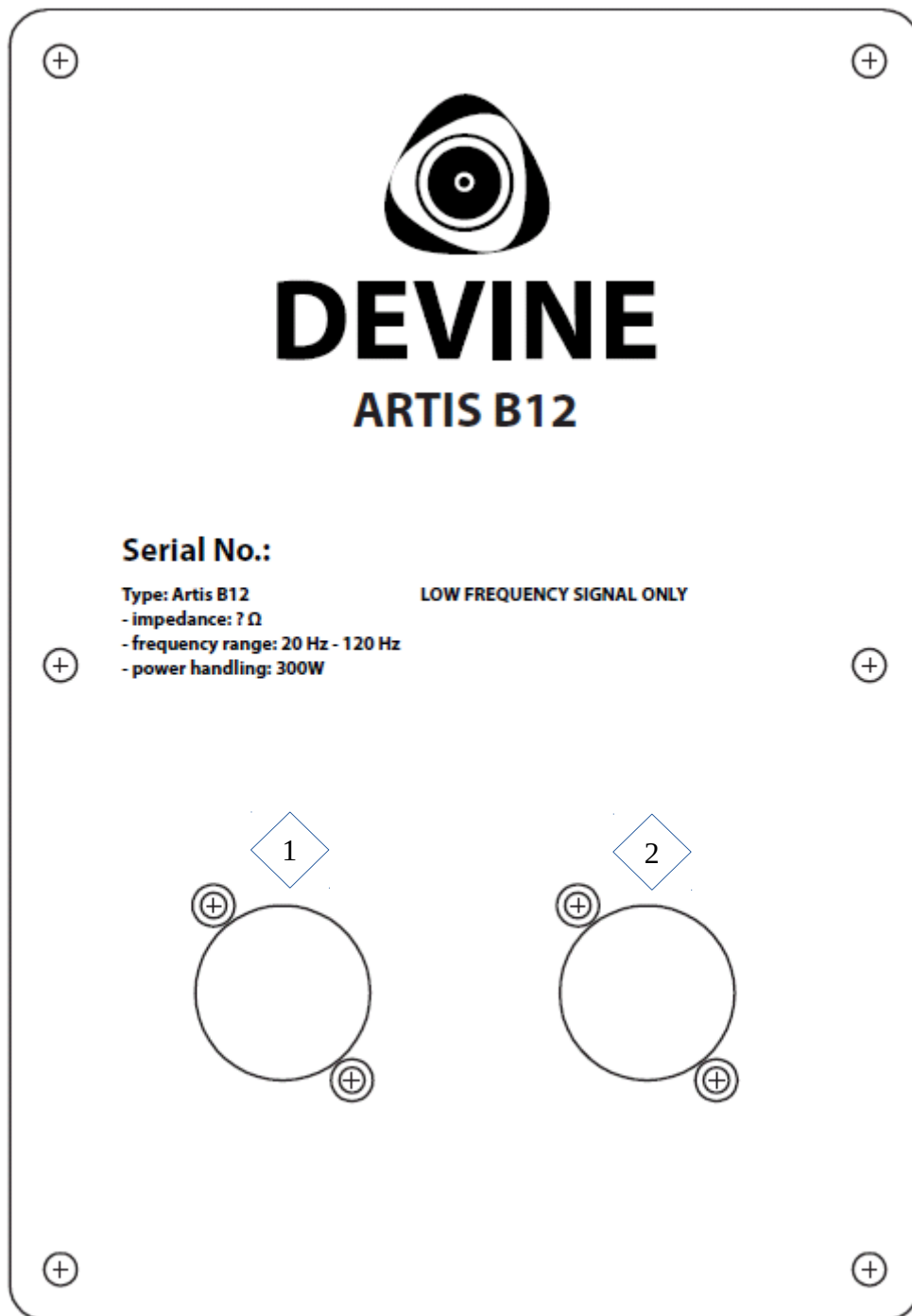
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Guidelines and operation of this device

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

1. speaker input
2. speaker link output



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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.

Fixed 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 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.

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Filters and crossovers

The Devine Artis subwoofers do not have a built-in filter or crossover and, therefore, need to be connected to an amplifier that can pass on the low frequencies only.

This can be achieved by using an amplifier that has a built-in low pass filter which only sends the low frequencies through to the subwoofer.

Another option is the use of a separate crossover. This is a piece of equipment that splits a stereo signal into different parts by frequency range. Each frequency range then has its own output that can be sent to an amplifier and, in turn, to a subwoofer or speaker, as required. Using an external crossover to separate the low, mid and high frequencies makes it easy to adjust the volume levels separately for a well-balanced sound.

Amplification

To use the subwoofer in the most optimal conditions, the use of external devices such as a necessary amplifier is important. The reinforced sound needs to be filtered in some way to ensure no high frequencies are present anymore in the signal that goes to the subwoofer.

The general recommendation is to choose a power amplifier capable of delivering at least 1.5x the RMS load of the speaker. This ensures there will be some headroom for the amplifier and it should not work at full capacity to drive the subwoofer with sufficient power.

Volume

The Artis subwoofers offer good audio projection 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 to normal (distortion or crackling) and/or the Clip LED lights up, lower the volume 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.

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.

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. Other combinations are possible too, of course. For more prominent bass, you could choose a setup with two 18-inch subwoofers and a 15-inch speaker on top per side, for example.

In situations like those mentioned above, the use of an external speaker management system (speaker processor or analogue equipment like a crossover) is recommended so that each speaker gets the correct signal. Your local dealer should be able to provide you with more information about this.

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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
No sound via one of the inputs	Cable not connected properly	Make sure that the cable is properly connected to both the speaker and the amplifier.
	Defective cable	Try using another cable to determine whether the cable is the problem.
	Volume control is not turned up	Turn up the volume control on the signal source and/or amplifier to a sufficient level.
	Volume is too high	Lower the volume of the input signal or the amplifier. Overloading the speaker can cause permanent damage.
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.
	Woofer or tweeter is 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.
Subwoofer sound fades or is very prominent in certain places	Incorrect positioning/acoustics	Try repositioning the subwoofer or using the phase button to see if that resolves the problem. If the problem is caused by the acoustics of the room or frequencies interfering with one another, these solutions should help.
Problem	Possible cause	Solution

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	Cable not connected properly	Make sure that the cable is properly connected to both the speaker and the amplifier.
	Defective cable	Try using another cable to determine whether the cable is the problem.
	Volume control is not turned up	Turn up the volume control on the signal source and/or amplifier to a sufficient level.
Red Clip Limiter LED lights up often or continually	Volume is too high	Lower the volume of the input signal or the amplifier. Overloading the speaker can cause permanent damage.
	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.



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Specifications

General specifications for all models:

- powerful 12, 15 or 18-inch subwoofers
- passive design without built-in amplifier
- robust wooden construction, equipped with hard, textured coating
- metal handles for easy transport
- metal grille, acoustic foam on the inside
- 35 mm pole mount for speaker pole and satellite speaker
- pole mount max. weight load: 30 kg
- impedance: 8 ohms
- lockable speaker input and output
- no built-in filter, can be used in combination with a crossover or external filter

Technical specifications per model:

Model	Artis B12	Artis B15	Artis B18
Frequency range	20 Hz - 120 Hz		
Voice coil diameter	3 in		4 in
Magnet	60 oz		100 oz
Woofers diameter	12 in	15 in	18 in
Maximum SPL (dB peak)	127 dB	129 dB	131 dB
Impedance	8 ohms	8 ohms	8 ohms
RMS capacity	300 W	500 W	500 W
Peak capacity	420 W	700 W	700 W
weight:	16 kg	22 kg	32 kg
dimensions:	440 x 425 x 370 mm	457 x 508 x 432 mm	500 x 950 x 600 mm

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