

DEVINE

Roadster Mobile battery-powered 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: 6-01-2017 RV Revision date and author's initials: -

Introductionn

Thank you for purchasing the Roadster battery-powered 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 Roadster 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.

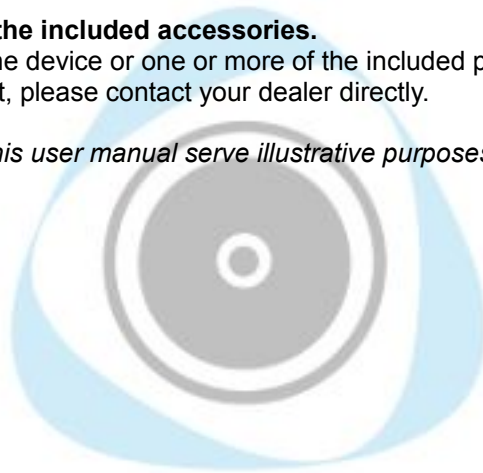
Box contents:

- Devine Roadster battery-powered speaker
- handheld microphone
- connection cable 3-pin XLR to TS jack for microphone
- 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 from the actual product.



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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 repairs or for a refund, please contact your dealer for an RMA request (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 can be repaired or replaced by the user. Should maintenance or repairs be necessary, they must be handled by a qualified technician.

Important information regarding safety and health:

- 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 liquid 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 a power source if it will not be used for a longer period of time, if maintenance is necessary, or if it needs to be cleaned.
- Do not pull on the cable to remove a connector, as it can 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.

Guidelines and operation of this device:

- This device is intended for adult use only.
- 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 impact 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.
- 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 was 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>

Battery instructions and warnings

Battery use and lifespan

The Devine Roadster is delivered with a pre-installed 12V DC lead acid battery. This battery delivers the required voltage to power the device without having to plug it into a mains socket. After removing the speaker

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from the box, it's recommended to test it using the included microphone to make sure the accessories are all in good working order. It is then strongly recommended to charge the battery completely before use to ensure a long lifespan.

Please bear in mind that this type of battery is not designed to be (almost) fully discharged. If the device indicates that the voltage is weak and the red LOW indicator lights up, the device needs to be plugged into a mains socket so the battery can charge.

If the device shuts off after the LOW indicator has lit up, and the battery is not recharged within a short period of time (max. a couple of days), then it's likely that the battery's expected lifespan will decrease.

The battery is housed in a special compartment located on the side of the device. Please contact your dealer if you suspect that the battery is defective and needs to be replaced. An experienced technician is qualified to replace the battery. Devine strongly recommends that users do not attempt to replace the battery themselves. Replacing the battery is done at your own risk.

WARNING

Risk of explosion if the battery is not properly replaced.

Only replace the battery with one that is identical in type and specifications.

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

Do not leave batteries out in an environment with extreme temperatures, as this may cause explosions or fluid or gas leaks.

Do not burn batteries place them in a hot oven, cut or crush them. This could cause the batteries to explode.

Do not expose batteries to extremely low pressure (high altitude), as this may cause explosions or fluid or gas leaks.

Recycling

If the maximum lifespan of the battery has been reached and it no longer functions (properly), it should be removed from the device.

Batteries can not be thrown away together with regular rubbish. They contain hazardous chemicals that can harm 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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Guidelines and operation of this device

1. USB charging socket
2. TRS jack line output
3. TS jack instrument input
4. TS jack microphone input
5. stereo RCA line (aux) input
6. IEC C13 power input for mains cable with fuse holder
7. on/off switch
8. voltage switch (set in advance)
9. transport handle
10. tablet or smartphone holder
11. LED battery status indicator
12. volume control - instrument input
13. volume control - microphone input
14. volume control - master (total)
15. tone control - treble (high tones)
16. tone control - bass (low tones)
17. Bluetooth status LED and pairing control
18. extendible trolley handle
19. in-line transport wheels



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Operating the device

The Devine Roadster is a practical battery-powered speaker suitable for any application where speech and/or music needs to be amplified. For optimal use of this device, it is recommended to read the following tips thoroughly.

General use

The Devine Roadster is equipped with a tablet holder slot, located on the top of the device. A wide range of tablets, smartphones, and other media players, with or without a protective cover, can be placed in this slot during use.

As long as the media player is not connected to the speaker via a cable, it can be placed vertically as well as horizontally in the holder. When transporting the Roadster, it is recommended to remove the media player from the holder.

USB port

The Roadster is equipped with a USB charging socket, which is located on the side of the device. This socket is designed for supplying power to a media player like a tablet or smartphone. This socket is not designed for playing music and/or transferring data.

The USB charging socket has a power capacity of 5 volts, 1 A. This is usually sufficient to supply enough power or in any case ensure the battery is kept fully charged while playing music and/or videos.

Bear in mind that using this output will have an impact on the battery life of the Roadster's built-in battery.

Please note: because every multimedia manufacturer has their own set of requirements for device charging, not all players will function with the Roadster's USB charging socket. If the 1A power this charging socket supplies is not sufficient, your device will not charge. Please consult your media player's user manual for more information regarding minimum charging requirements.

Fixed handles

The Roadster has two fixed handles located on the top so it can be lifted and carried easily. Always use these handles when lifting and moving the speaker.

Extendible handle and trolley handle

The extendible handle is easy to use and can be retracted when not in use to save space during transport and storage. Do not lift the speaker by means of this handle, which is located in the rear. To extend the handle, push the button on the top and pull it up and towards you at the same time. The handle will extend in three segments and click into place. You can then use the handle to move the speaker like a trolley, thanks to the two in-line wheels.

To retract the trolley handle, push the button on the top again and push the handle down, away from you. Once completely retracted, the handle will click in place.

Using the trolley system

The in-line wheels on the Roadster are designed to help you move the device over relatively flat, even surfaces such as an indoor floor, an asphalt path, etcetera. It is strongly recommended not to wheel the device over obstacles like kerbs, steps, high thresholds or poorly maintained pathways. This can cause serious damage to the wheels. If the obstacle seems too high, lift the device and carry it over the obstacle using the fixed handles.

It is not recommended to transport the device over soft, loose surfaces like grassy fields, gravel, sand, and so forth.

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Protection during transport

The Devine Roadster is easy to transport, but it is not (splash)proof. It is therefore recommended to take precautions when transporting the device outdoors in rain or adverse weather conditions. Should the device be exposed to rain or moisture, allow it to dry completely before using it. If this is not done, a short circuit could occur, which can cause permanent damage and/or injury.

Grille

The Devine Roadster is equipped with a metal grille on the front which protects the speaker components.

Audio technology

The Roadster features the very latest in audio technology. By adhering to the following tips and instructions, you are making the most of what this speaker has to offer with the very best possible audio and performance quality.

Line output

The line output of this battery-powered speaker enables you to link multiple Roadsters or other devices with a line input. This way, you enlarge the audio dispersion and increase the total performance of your sound system.

It consists of a TRS jack connector that transmits a stereo signal.

Instrument input

The instrument input is suitable for connecting a device that requires active amplification like an electro-acoustic guitar with a built-in preamp, for instance. The Roadster is less suitable for the direct amplification of an electric guitar with passive electronics, but it can be still used for this purpose.

The instrument input is fitted with an unbalanced TS jack connector that expects a mono signal.

Microphone input

The microphone input can be used to connect the included microphone or a different microphone of your choice.

It is designed for dynamic microphones and has an unbalanced TS jack connector.

Connecting a cable with a TRS connector may cause problems. Always use the included cable for connecting the microphone.

Aux input

The aux input is suitable for any device that transmits a line signal such as tablets, computers, MP3 players, smartphones, DJ controllers, PA mixers, CD players, and countless other devices that are equipped with an RCA connector or a mini jack plug.

When linking devices, it's also possible to connect the jack output of the first Roadster to the aux input of a second Roadster. This will ensure that both speakers reproduce the same audio.

LED power indicators

The LED battery status indicators are located on top of the Roadster. As long as the green LEDs are lit, the device can be used to produce sound. If the red LEDs light up, it is recommended to connect the speaker to a mains socket immediately so the battery can charge.

Volume and tone control

The Roadster is equipped with a volume control for the following components:

- volume control for instrument input

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- volume control for microphone input
- master volume control for all inputs

There is also a 2-band equalizer that enables you to control the balance between high and low tones.

The sound is adjusted by turning the Treble and Bass controls to the left or to the right. The Treble control is for adjusting the amount of high tones, the Bass control is for the low tones. You can achieve the most ideal and neutral setting by setting both controls to 12 noon with the indicator exactly in the middle. By turning either of the controls to the left, these tones will become less audible, and turning them to the right will make them more audible.

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

Bluetooth connectivity

The Devine Roadster features a built-in Bluetooth receiver so it can stream music wirelessly from a source device by means of Bluetooth functionality.

In order to pair the speaker with a source device, activate Bluetooth on your source device. It will then automatically scan the area for available devices. Next, push and hold down the button on the Roadster until the blue status LED starts to flash.

The Roadster will appear in the list of available devices under the name “Devine”. To establish a connection, the Roadster will pair with the source device. The connection is confirmed when the blue LED status indicator shines continuously and sound comes out of the Roadster, provided that the Master Volume is not turned completely to the left.

Once the connection with the device has been established, it cannot be overridden by a different source device. To pair the Roadster with a different source device, you'll need to disconnect the current source device. When you've done that, the LED will start to flash, indicating that the speaker is actively searching for another source device to pair with.

The Roadster will remember which source device it was last paired with. If the Roadster locates the source device, and if Bluetooth on your device is still activated, it will connect automatically.

To maintain optimal signal stability, keep the source device as close to the speaker as possible. The farther away the source device is from the Roadster, the greater the chance of skips, dips, or even complete signal loss. It should be possible to create a stable connection at a distance of about 10 metres provided there are no wall or obstacles blocking the signal. The presence of other equipment that uses Bluetooth, WiFi or other wireless connectivity, can also effect the signal quality.

Volume settings

The Devine Roadster does not have a built-in (clip) limiter, which means there is no visible indication that clipping is about to occur. You can however monitor this yourself by keeping the sound and performance of the speaker under control. You'll know when components are clipping if you hear distortion and crackling sounds coming out of the speaker. If this happens, it is recommended to lower the volume levels until these sounds are no longer audible. Check whether the source device is transmitting a distorted signal or not, and make sure the tone control is not set too low or too high. If this is the case, the clipping will still be present, regardless of the Roadster's volume level.

Using the microphone

The Devine Roadster comes complete with a microphone cable and microphone with an on/off switch. If the microphone is not actively being used but it is connected to the Roadster, switch it 'off' so it won't pick up any unwanted sounds.

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When you want to use the microphone, it will need to be switched 'on'. For optimal sound quality, the vocalist/speaker should hold the microphone at a maximum distance of 5 cm away from their mouth. They should speak or sing clearly into the microphone so minimal amplification is necessary. The microphone is directional, meaning it will not capture as much sound from the back or sides of the microphone.

Never hold the microphone directly in front of the Roadster as this can cause feedback, which results in a loud, high-pitched tone. Should this happen accidentally, remove the microphone from the vicinity of the Roadster immediately and turn the volume controls down completely.

It is highly recommended that speakers/vocalists position themselves next to or behind the Roadster to avoid feedback.

Power mains

The Devine Roadster has a built-in battery, but can also function when plugged into the power mains. The advantage of this is that as you use the Roadster, the battery is charging at the same time so you can use it wirelessly another time.

The green LED status indicator will light up while the battery is charging. Once the battery is full, charging will stop and the green LED will go out.

Stand adapter

On the underside of the Devine Roadster, there is a 35mm stand flange. With it, the speaker can be easily mounted on a stand, which will allow high tones to be carried further, reaching a larger audience. For best result, the speaker should be placed on the stand at a height of about 1.8 metres.

If the speaker is mounted on a stand, make sure the stand is not placed in a pathway and/or can't be knocked over. Fold the stand legs out completely for optimal stability.



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Battery-powered speaker troubleshooting

If you have a problem with your Roadster battery-powered speaker, please consult the 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 battery-powered 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 can not be turned on without mains power	Battery is empty	Charge the battery by connecting the device to an active mains socket.
	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.
	Battery is defective	If the speaker has been connected to the mains for some time, and still won't work wirelessly, (it turns off almost immediately), then the battery could be defective. Contact your dealer for assistance.
Charge LED won't light up when the speaker is connected to the mains	Battery is already fully charged	The charging function of the Roadster will stop if the battery already fully charged.
Bluetooth connection is not possible	Bluetooth on source device is not activated	Switch on Bluetooth functionality on your smartphone, tablet, computer or other source device.
	Pairing button is not held down, LED is not flashing	Push and hold the Pairing button on the Roadster until the blue LED starts to flash. Only then will it show up in the list of Bluetooth devices.
	LED is continuously lit, but won't connect	The speaker is already paired with another source device. Disconnect the other device in order to connect a new one.
There is audible skipping in the audio via Bluetooth	Distance is too great	Move the source device closer to the speaker.
	Interference on the same frequency	Signal interference can occur when there are other Bluetooth or WiFi devices on the same frequency in close range. Move one of the devices farther away to create more room.

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No sound from included microphone	Cable not connected properly	Make sure the cable is connected properly to both the microphone and the mic input on the Roadster.
	Switch is 'off'	Turn the microphone switch 'on'.
No sound on one of the inputs	Volume control is not turned up	Increase the volume level by turning up the volume or master volume control.
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 noon and listen if the 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.
Multimedia device connected to USB port won't charge	USB port does not deliver enough power	Some devices, such as tablets, require more power capacity than 1 A to charge.

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Specifications

- mobile battery-powered speaker
- built-in 12V DC, 5 Ah battery
- speaker components: 8-inch woofer, soft dome tweeter
- component impedance: 4 ohms
- amp capacity: 30W RMS, 60W peak
- charging time: 5 h
- battery life at high volume: +/- 5 h
- battery life at 50% volume: +/- 9 h
- battery life at 25% volume: +/- 13 h
- built-in 5V DC, 1A USB port for charging multi-media devices (will impact battery performance)

Audio connectors:

- TRS jack line output
- TS jack instrument input
- TS jack microphone input
- stereo RCA line input
- Bluetooth connectivity by pairing

Volume and tone controls:

- microphone volume control
- instrument volume control
- master volume
- treble tone control
- bass tone control

Indicators:

- LED charging indicator next to mains input
- LED battery status indicator with 4 LEDs
- Bluetooth pairing LED indicator

External options and features:

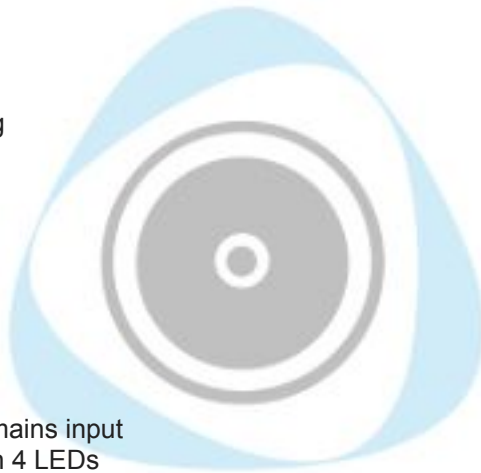
- high-quality plastic housing with chrome-look sides
- metal grille protects speaker components
- in-line wheels + extendible handle for use as trolley
- 2 fixed handles
- 35mm stand adapter
- tablet holder, suitable for most tablets and smartphones

included accessories:

- dynamic vocal microphone with on/off switch and 3-pin XLR connector
- microphone cable from 3-pin XLR to TS jack
- power cable IEC C13 to hybrid edge and ground pin plug

The technology:

- power supply: 115-230 V AC, 50-60 Hz
- maximum power consumption: 60W
- fuse: 20 mm T5AL 250V
- dimensions: 390 x 390 x 310 mm (incl. buttons and trolley handle)
- total height extended handle: 81 cm



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