



DEVINE

WMD-168MKII-B

**Bodypack System with Headset and Lavalier
(612.20-631.95 MHz and 652.20-671.95 MHz)**



User Manual

The information included in this user manual is subject to change at any time and without notification:

Version: 1.0

Date and author initials: 19-09-2020 RV

Revision date and author initials: -

Introduction

Thank you for purchasing the Devine WMD 168 MKII wireless bodypack system. Before unpacking the box and included components, we recommend reading this user manual thoroughly to ensure that you are completely familiar with all of the functions this product has to offer. When unpacking the box, please make sure that all of the components and accessories listed below have been included. In the event that the product does not function as it should, switch off the power and remove the power cable from the mains power socket before contacting your local retailer for advice.

Box contents:

- 1x wireless bodypack with antenna
- 1x headset microphone
- 1x lavalier microphone
- 1x sets of two AA batteries for testing (two batteries per microphone)

Inspection of the device and included accessories

In the event that the device or any of the included accessories have been damaged or rendered defective in transit, please contact your local retailer for advice.

Please note: The products seen in the images included in this manual may differ slightly from the product received.



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Contact:

Devine Pro Audio Products
Verrijn Stuartweg 18
4462 GE Goes
The Netherlands

***Please do not send any physical products to this correspondence address.
Should you wish to send a product for repairs or for a refund, please contact your retailer for an RMA request (Return Merchandise Authorisation)***

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WARNING!



Keep this device away from moisture, water and rain
to prevent any danger of electric shocks!

Safety Instructions

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

- Be qualified.
- Be skilled.
- Have read the instructions included 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 retailer for further advice.
- 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 carried out 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 where they are in danger of causing a tripping hazard.
- The housing of this device should not be opened and any hardware or software that may be present should not be modified.
- To achieve optimal performance, any inputs on the device should not be fed with a signal higher than necessary.
- The device must only be used indoors; contact with water, rain and moisture must 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 is not being used for a long period of time, if maintenance is necessary, or if it needs to be cleaned.
- Do not pull or tug on the cable to remove a plug as this may cause damage.
- Do not use any cables other than those specified in this manual. Do not use defective cables. Please contact your retailer 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 from 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 (condensation) from forming inside the device, which could lead to electric shocks.

Use & Operation Guidelines:

- This device is intended for indoor use and must only be operated by adults.
- This device is not suitable for use by children and must always be operated by an adult.
- This device can only be used in appropriate environments 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 or any location where sand and/or salt is present
 - outdoors
 - indoors in spaces where intense heat sources are present, or where it can reach temperature levels that would be considered uncomfortable for a person.
- Avoid impact and collisions during use and transport. Do not move or transport the device while it is in use. Avoid using excessive force when installing and operating the device.
- Any user must 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 & Transport:

- This product has been designed for mobile use and can be transported in its original packaging as long as it is well protected against shocks and impact. It is also possible to transport the device in an appropriate case or flight case with a lined, protective interior that provides a secure fit for all components so that they are unable to shift in transit.
- This device has not been designed for continuous (24/7) use. The expected lifespan of the device shall increase when the device is turned off regularly. When the device is not in use for long periods of time, always disconnect the device from the mains power and store it in a dust free environment.
- Do not expose the device to extreme temperature shifts.

Housing:

- Frequently inspect the housing of the device and always just before use. Avoid operating the device if any large dents or cracks are found in the housing, 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 screws for any corrosion. If any corrosion is found, do not use the device. Contact your dealer or a qualified technician if the screws or housing show any signs of corrosion.
- Ensure that every power and signal socket is securely fitted. Do not use the device if any of the sockets are not secure.
- Avoid the build up of any dust and dirt. 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 device should also be cleaned more frequently.

Symbol Explanation:

	<p>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.</p>
	<p>CE: The CE logo indicates that this product meets the European norms and requirements to which it must legally conform.</p>
	<p>Suitable for indoor use only: This product was designed for indoor use only. The maximum environmental temperature must not exceed 40 degrees Celsius (104 degrees Fahrenheit).</p>

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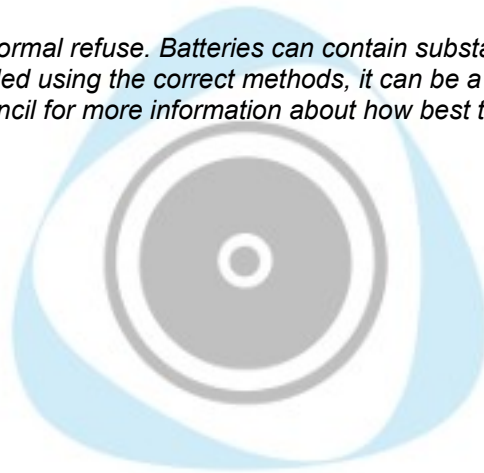
Battery safety:

WARNING!

- If the battery is replaced incorrectly, this may cause the battery to explode.
- Only replace a battery with the same battery type.
- Never expose batteries to intense heat, including sunlight, open flames, etc.
- Never store batteries in a hot, high temperature environment. This may cause the battery to explode as well as the leakage of flammable liquids or gasses.
- Never expose batteries to an open flame or place them in or near a hot oven.
- Never purposefully damage batteries or try to cut into them as this may cause the battery to explode.
- Do not expose batteries to extremely low air pressure (at high altitudes) since this may cause the battery to explode as well as the leakage of flammable liquids or gasses.
- If the device is not in use for a long period of time (a few months, for example), ensure that any batteries are removed from the device before it is stored.
- Always immediately remove empty batteries from the device.
- Avoid carrying batteries in a pocket, wallet, or bag. Contact with metal objects like coins, keys and similar can cause damage, leakages, or short-circuits.
- Always ensure that batteries are kept out of reach of children.

Recycling:

Never dispose of batteries with normal refuse. Batteries can contain substances that are damaging to the environment. If a battery is recycled using the correct methods, it can be a valuable source of reusable materials. Contact your local council for more information about how best to dispose of batteries.



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Legal Use of Wireless Microphone Systems

Please note! The regulations outlining the authorised use of wireless microphone systems is different in different countries. Always make sure that you are fully aware of any possible regulations before using any wireless microphone system. If in doubt, information regarding regulations can be provided by your local council or specialist.

Using a wireless microphone system set to the incorrect frequency can lead to interference and result in an unreliable performance. Using the incorrect frequency may also violate local laws and regulations regarding the use of wireless transmission equipment. It might also be the case that a licence will need to be attained to authorise the use of certain frequencies.

The Devine WMD-168 MKII system operates using the 612 – 672 MHz frequency band, and therefore, may not be used freely all over the world!

As such, it is essential that you are always aware of any local regulations and rules regarding the use of wireless transmitting and receiving systems.

Please note that while you may be permitted to use the system in a specific area, this does not guarantee interference-free performance. It is always possible that any nearby equipment that uses the same or similar frequency can cause interference.

AT	BE	BG	CY	CZ	DE	DK
EE	EL	ES	FI	FR	HR	HU
IE	IT	LT	LU	LV	MT	NL
PL	PT	RO	SE	SI	SK	UK

At the time of writing, this system is permitted for use in the countries listed below **provided a licence has been applied for**:

AT: Austria

BE: Belgium

LV: Latvia

SE: Sweden

UK: The United Kingdom

At the time of writing, this system is permitted for use in the countries listed below **without a licence**:

BG: Bulgaria

CZ: Czech Republic

EE: Estonia

EL: Greece

ES: Spain

FI: Finland

HU: Hungary

IT: Italy

LU: Luxembourg

PT: Portugal

RO: Romania

SI: Slovenia

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In countries that have not been included above, **further specific regulations may apply:**

DE: Germany

NL: The Netherlands

In these countries, the use of frequencies 614.20 MHz to 671.95 MHz is permitted, licence free.

However, the use of frequencies 612.20 MHz to 613.95 MHz is not permitted.

MT: Malta

In this country, no licence is required to use frequencies 614.20 MHz to 631.95 MHz, 654.20 MHz to 662.95 MHz, and 670.20 MHz to 671.95 MHz.

However, the use of frequencies 612.20 MHz to 613.95 MHz, 652.20 MHz to 653,95 MHz, and 663.20 MHz to 669.95 MHz is not permitted.

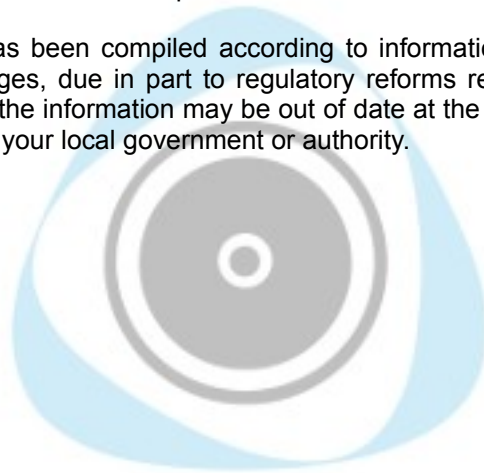
DK: Denmark

License-free use is permitted in this country in so-called 'white space'. Always check with local authorities if the location where you intend to use this system is considered a 'white space'.

FR:France

In this country, any professional users do not require a licence.

The overview included above has been compiled according to information that was correct at the time of writing. Due to continuous changes, due in part to regulatory reforms regarding wireless frequencies and which are regulated per country, the information may be out of date at the time of reading. Therefore, always check the actual regulations with your local government or authority.



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Setting Up The System

Battery Installation

The Devine bodypack is powered by two 1.5 V AA batteries. Always use high-quality batteries since this can affect power efficiency and cause the maximum operation time to vary between 7 to 10 hours depending on battery quality.

To gain access to the battery compartment, gently press the compartment lid to open it. Place the batteries in the compartment according to the included polarity indicators (+/-).

An ON/OFF button has been fitted to the front of the bodypack and also functions as a mute switch. By holding the button down, the device is powered on. The integrated LCD screen of the bodypack is activated and will light up.

Bodypack Set Up

The WMD-168MKII-B bodypack kit comes including two different microphones: a lavalier and a headset. Both microphones are hands-free, have the same specifications and only differ in the way that they can be worn. The performer can choose to wear the connecting cable under their clothing and the bodypack itself can be worn discreetly using the included belt clip. It is always recommended that the cable is tucked safely beneath the user's clothing to avoid the cable catching or snagging, possibly causing damage to the microphone and interrupting the performance.

When using the headset, the microphone has been designed for placement on the left of the head while the ear-hook on the other side of the headset fits comfortably on the right ear of the user. Soft padding has been fitted on the microphone side of the headset to ease the weight.

The clip-on lavalier microphone can be used when the microphone needs to be as discreet as possible and can be neatly clipped onto a collar or lapel for comfortable use. When used live, always ensure that the lavalier microphone is not in danger of brushing against any clothing as this will lead to the amplification of unwanted noise.

Connecting the Bodypack to the Receiver

The WMD-168MKII-B bodypack is designed for use in combination with the Devine WMD-168MKII wireless microphone system. To connect the bodypack, hold the infrared (IR) sensor of the bodypack close to the IR sensor of the receiver before pressing the Set button of the desired microphone channel (channel 1 or 2). If necessary, the battery compartment of the bodypack can be opened to widen the IR sensor range. The bodypack and receiver should now be coupled on the frequency as selected on the receiver. If the synchronisation has been successful, the integrated display screen of the bodypack will light up and show the newly set channel and frequency. The display screen on the front of the receiver will display the signal strength, indicated by 'RF'. For more information about the receiver, see the Devine WMD-168MKII user manual.



Indication of channel and frequency as displayed on the WMD-168MKII receiver



Indication of channel on the bodypack transmitter

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Technical Specifications

- bodypack frequency options: 612.20 MHz – 671.95 MHz
- receiver frequency options: Mic 1: 612.20 – 631.95 MHz
Mic 2: 652.20 – 671.95 MHz
- channels: 160 (2 channels, each with 80 frequencies/channels that can be selected, also see receiver specifications and features)
- oscillation mode: PLL
- frequency stability: +/- 10 ppm
- modulation method: FM
- maximum transmission strength: 10 mW
- audio frequency range: 50 Hz – 16 kHz
- distortion: < 0.5 %
- batteries: 2x AA, 1.5 V
- performance duration: 7 – 10 hours (depending on battery quality)

Dimensions:

- length: 102 mm
- width: 63 mm
- height: 20 mm

Weight:

- 81 g

Included:

- 1x bodypack
- 1x headset microphone
- 1x lavalier microphone



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EC Declaration of Conformity

**Devine Pro Audio and Studio Products
Verrijn Stuartweg 18
4462 GE Goes
The Netherlands**

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Model number: Devine WMD-168 MKII-B Model name: Bodypack System with Headset and Lavalier

The object described above is in accordance with the relevant Union harmonisation legislation:

Directive 2014/53/EU of the European Parliament and the Council on the approximation of the laws of member states relating to the production and sale of radio equipment (RED)

Applied standards:

EN 62368-1:2014+A11:2017
EN 62479:2010
ETSI EN 301 489-1 V2.2.1 (2019-03)
ETSI EN 301 489-9 V2.1.1 (2017-03)
ETSI EN 300 422-2 V2.1.1 (2017-02)

Directive 2011/65/EU of the European Parliament and the Council on the restricted use of certain substances in electrical and electronic equipment (RoHS).

Applied standards:

EN 62321-1:2013
EN 62321-4:2013+A1:2017
EN 62321-5:2013
EN 62321-6:2015
EN 62321-7-1:2015
EN 62321-7-2:2017

Signed for and on behalf of:
Devine Pro Audio and Studio Products Goes, 04-12-2020

Jochanan Bax, Director

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