

## INSTALLATION MANUAL



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## 1. Introduction

Digital radio tuner DAB/DAB+ for factory car radio VW/SKODA/SEAT/AUDI. Module JRDAB-02 allow to receive and play digital radio stations on factory sound system using for it MDI/AMI platform. Device has function which allow to follow selected station while riding. Full integrated with CAN bus system.

### **Important:**

*JRDAB-02 module works on MEDIA IN platform replace factory module.*

*If car is equipped with MDI module, wants keep the same system functionality and connect JRDAB-02 or JAUX\_BT as additionaly, in this case JSW-02 device, which allows to switch exisisting devices in network, can be used.*

*More informations: [www.juna.pl/en/accessories](http://www.juna.pl/en/accessories)*

## 2. Recommendations

### **Copyright**

All assembly and operating instructions are protected by copyright. Distributing documentation via print or online media is only allowed with the prior consent of JUNA electronics.

### **Important**

Please read installation manual very careful and keep it in right way. During installation, pay attention to all relevant aspects related to safety of installation and use of the device.

The priority during the design and production of all devices by JUNA electronics company is security and service comfort. It has been achieved by applying the modern techniques of design and production processes of electronic devices.

Module should be installed in technical workshops by qualified personnel or by people who have experience in this type of installations. Installation of devices by not qualification people can cause injury to persons or damage to property.

It is recommended keep to the general safety rules and pay attention for any threat that can cause of damage to the vehicle.

We advice to mount device in safety place, where it is not exposed for moisture, water or too high temperatures.

## 2.2 Recommendations

Device should not be installed in places where it could difficult safe driving or operating efficiency of other units installed in vehicle.

The devices can be connected only to 12V. Modules can't be used in vehicles with 24V and higher voltage.

Please note that most of our devices are based on software that may require an update. That's why you should always mount the device in easily available place in the vehicle.

In some countries it may be necessary to check the legal provisions before installation and startup of the device. In the interest of high quality and development of our products, JUNA Electronics reserves the right to make technical changes.

In the case of a warranty claim, the device should be sent back to the seller in original packaging with a detailed description of the problem with attached purchase invoice.

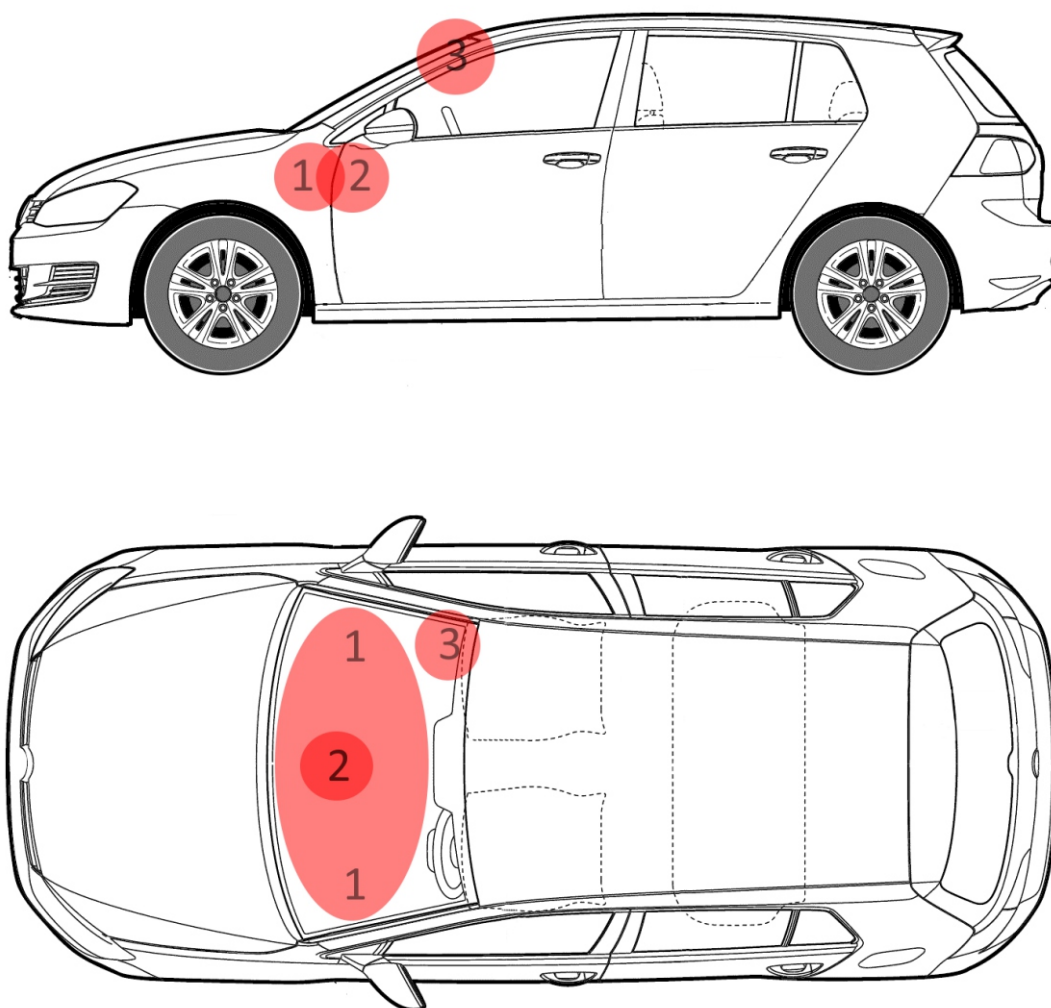
Warranty claims as well as exploitation rights expire due:

- A) Not authorized changes in devices or accessories, which have not been approved or have not been provided by the manufacturer or his partners.
- B) Opening the device's box
- C) Yourself repair the device
- D) Improper use / improper operation of the device
- E) Mechanical damage
- F) Flooding with water or other liquids

### 3. Connection schedule of set components

Correct placement of JRDAB-02 components:

1. JRDAB-02 module connection place
2. Factory radio system
3. DAB/DAB+ antenna installation place



## 4. Antenna connection

The JRDAB-02 assembly kit includes an active antenna that must be mounted according to the instructions described below. The JRDAB-02 module is adapted to be connected with active antenna which supports the "Phantom" power system - 12V, max 200mA. The JRDAB-02 module also allows to connect different antenna that will meet the matching conditions. This can be a factory-installed active antenna that is already installed in the car, or another active antenna dedicated for car radio systems DAB/DAB+. Connecting the antenna other than included in the kit requires special care and fulfillment of all parameters matching the JRDAB-02 system.

### Important:

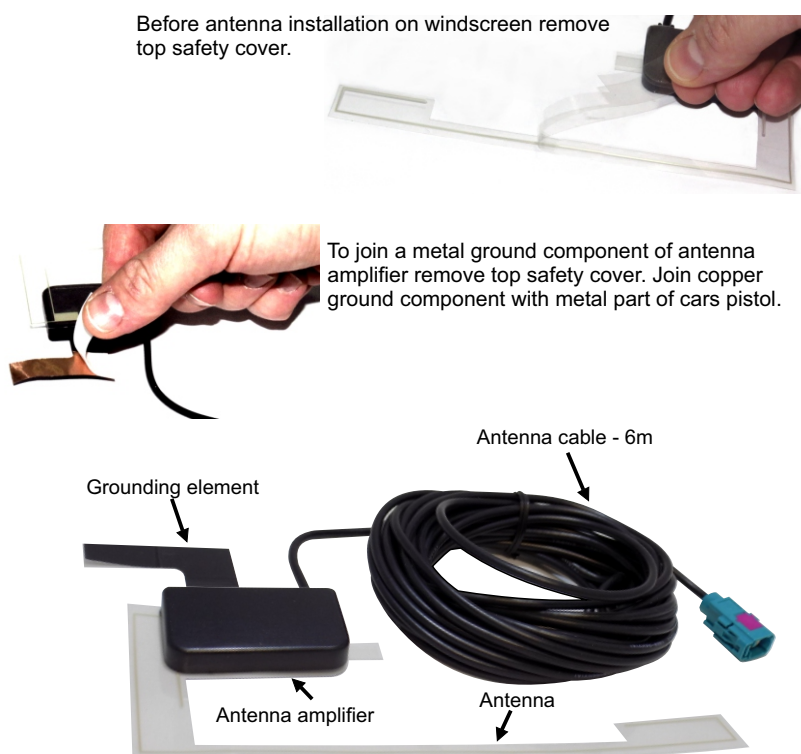
During installation antenna cable along the the body pillar it is necessary to pay attention for side airbags. Cable must be installed in way to not disturb the proper operation of the air curtain.

### Installation process:

- 1) Installation of antenna is not recommended when windscreen is very cold
- 2) Antenna should be mounted on windscreen from passenger side
- 3) Carefully remove the passenger side pistol cover
- 4) Clean a place where antenna will be mounted
- 5) Antenna should be mounted 15 cm from top edge and 7 cm from side edge of windscreen
- 6) Ground element of antenna amplifier should touch metal part of post. It can be join to factory painted part of pistol
- 7) Antenna cable should be mounted in way to not interference with side airbag



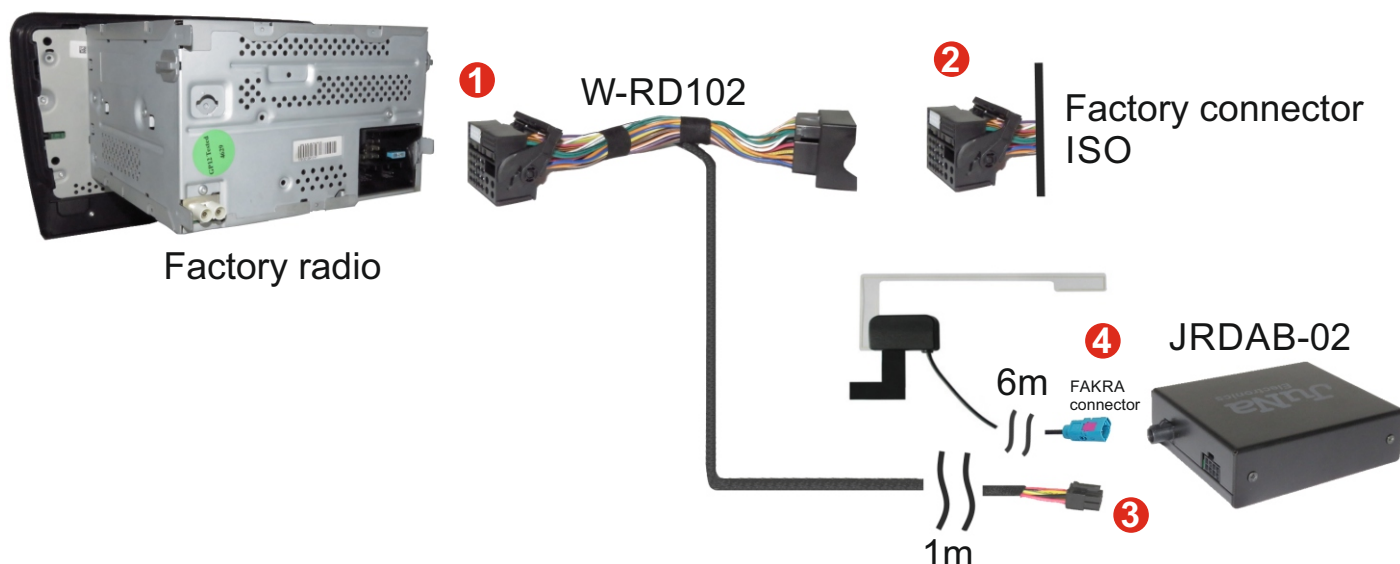
Example of mounting a DAB/DAB+ antenna



Antenna DAB/DAB+

## 5. DAB/DAB+ module connection diagram

1. Turn off radio and ignition in vehicle
2. Disconnect factory ISO connector from radio
3. Connect bundle W-RD102 to factory radio ❶
4. Connect factory ISO connector to bundle W-RD102 ❷
5. Plug a connector of W-RD102 to JRDAB-02 module ❸
5. Connect FAKRA plug to antenna socket ❹
7. Turn on ignition and startup radio
8. Start a process of finding new stations



## 6. MDI activation

In case when multimedia unit doesn't run factory function MEDIA-IN (MDI platform) then Media Player option should be coded to activate MEDIA-IN function by service device connected to OBD socket.

It is possible that vehicle doesn't support MEDIA-IN function working on MDI platform. Then could be used special bundle CAN-EMULATE MEDIA-IN 01-VW which allow to get service for MEDIA-IN function instead of standard bundle W-RD102.



## 7. Basic technical parameters

1. Power supply voltage	- 12V
2. Resting current	- 0mA
3. Power consumption with antenna	- 154mA
4. Power consumption without antenna	- 110mA
3. Communication and control	- CAN
4. Housing	- Metal
5. Dimensions	- 78mm x 95mm x 27mm
6. Weight	- 95g

## 8. Elements of the set

1. DAB/DAB+ radio module [JRDAB-02]
2. Connection harness [WRD-102]
3. Antena [TLG7205]



JRDAB-02



TLG7205



WRD-102