



MiniDAB



MANUAL OF INSTALLATION AND USE

MiniDAB

“CONNECT & PLAY” TUNER DAB / DAB+

rev. 5.16



WARRANTY CONDITIONS

THIS PRODUCT IS GUARANTEED 2 YEARS FOR ANY MANUFACTURING DEFECT.
HOW VALIDITY OF WARRANTY FAITHFUL TO THE PURCHASE INVOICE

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INTRODUCTION

MiniDAB is an advanced electronic device that turns the car radio in an efficient, DAB / DAB + receiver, able to reproduce in audio CD quality!

MiniDAB receives digital signals from a DAB antenna and transmits them to the FM radio installed in the vehicle.

The module is universal, compatible with all types of vehicles.

The device functions are completely managed through a small dedicated remote control.

All information provided by the digital radio channel are shown on the radio display (name of the radio channel, title of the song in broadcast, news, etc.)

The device also allows you to receive and manage up to 255 channels and up to 40 favourite channels.

FEATURES

- Receiver DAB / DAB +
- User menu displayed on the radio display via RDS
- Management by remote control
- FM stereo modulation on 8 selectable frequencies

KIT CONTENT

- 1 User Manual
- 1 central unit
- 1 universal connection wiring
- 1 remote control (to choose between the steering wheel version and the 4 buttons version)
- 1 antenna adapter (to choose between the FAKRA version and the ISO / DIN version)
- 1 DAB antenna (optional)

Mechanical information

Size: 70x70x35 mm

Wight: < 100 g (only the module)

Technical information

Voltage: 12 Volt

Voltage max: 16 Volt

Voltage min: 8 Volt

Absorption: < 190 mA

Absorption in sleep mode: < 5 mA

Temperature range: -20 +70 C

MENU	
MAIN MENU	SUB-MENU
CHANNEL LIST	CHANNELS LIST BACK EXIT
FAVOURITE LIST	FAVORITES LIST BACK EXIT
ADD FAVOURITE	
REMOVE FAVOURITE	
FULL SCAN	
SOFTWARE VERSION	
CHNG FREQ	87.70 Mhz 87.90 Mhz 88.10 Mhz 88.30 Mhz 88.50 Mhz 88.70 Mhz 88.90 Mhz 89.10 Mhz BACK EXIT
RESET	
EXIT	

MEANING

CHANNELS are the radio stations stored in the DAB receiver
SCAN is the operation managed by MiniDAB during the channel search
FULL SCAN is the operation of full scan of channels
SOFTWARE VERSION shows the software version of the module
CHNG FREQ shows the available FM modulation frequencies

FAULTS

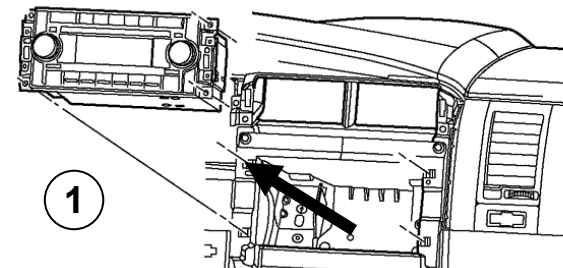
- The sound is distorted or too low.
- Please verify the antenna connection.
- When you turn off the car, MiniDAB stays turned on.
- Please check the ignition connections.

INSTALLATION

MiniDAB is easy to install, however it is suggested a qualified technician support.

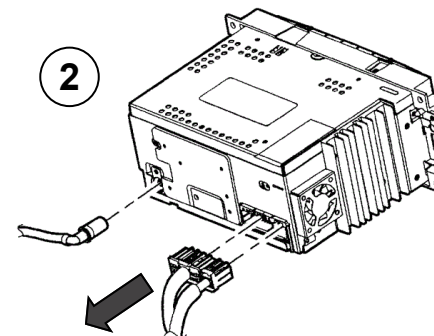
It is highly recommended to make the installation with ignition off.

1. The first step is the removal of the original radio.



2. Disconnect now power connector of the car radio.

WARNING! IF THE RADIO HAS A SAFETY CODE. PLEASE BE SURE THAT THIS IS AVAILABLE.



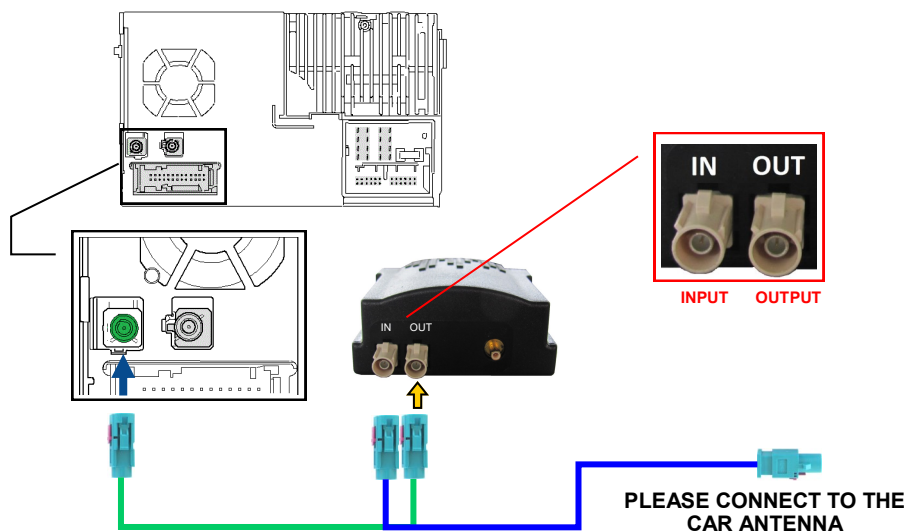
3. Make the connections following the diagrams of the 3-wire universal harness as indicated below:

WIRE COLOUR		FUNCTION
	RED	FIX POSITIVE
	BLACK	NEGATIVE
	LIGHT BLUE / YELLOW	IGNITION POSITIVE (+15)
	ORANGE / BLACK	DAB ANTENNA POWER FEEDING POSITIVE OUTPUT

Once done the connections, you must connect the antenna in series to the car radio through the MiniDAB antenna adapters.

Below it is described the FAKRA antenna connection (dedicated plastic kits are available to make MiniDAB module compatible with various connection types).

In addition to these adapters are also available the antenna connections for ISO, DIN, GT5 and many others.



HOW TO MANAGE VIA REMOTE CONTROL

MiniDAB is managed by a dedicated remote control. Herebelow is described the steps.



ON	SHORT PRESSURE	Key GREEN	(A)
OFF		Key RED	(D)
Next channel		Key YELLOW	(C)
Previous channel		Key BLUE	(B)
Next favourite channel	LONG PRESSURE	Key YELLOW	(C)
Previous favourite channel		Key BLUE	(B)
Enter Menu	LONG PRESSURE / SHORT PRESSURE	Key GREEN	(A)
Menu Forward		Key YELLOW	(C)
Menu Back	SHORT PRESSURE	Key BLUE	(B)
Menu Confirm		Key GREEN	(A)



BATTERY CR2025

ON	SHORT PRESSURE	Key	M
OFF			M
Next channel			>>I
Previous channel			I<<
Add favourite			+
Remove favourite			-
Next favourite channel			●
Previous favourite channel			●
Enter Menu			OK
Menu Forward			>>I
Menu Back			I<<
Menu Confirm			OK
SCAN			▶/
	3 SHORT PRESSURES		

MENU

MiniDAB has a user menu that, when called, is displayed on the radio display via RDS. The menu can be navigated by remote control.

The menu includes a series of submenus.

The organization of the menu is as tree-diagram and it is managed as described in the following table.

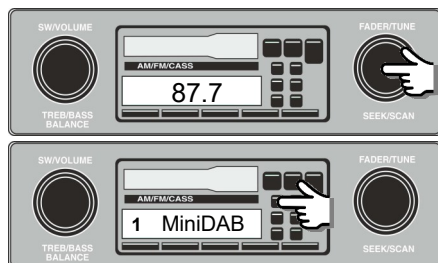
ACTIVATION AND TUNING

Finished all connections, please turn on the car ignition.

The LED module will be fixed RED.

Press M button on the remote control to turn on the module, LED will become GREEN.

A self DAB scan will be performed.



By default, the MiniDAB module will transmit on the frequency 87.7 Mhz of the vehicle radio.

It is necessary, at this point, to set this frequency on the radio and store it on one of your favourite stations. Now, at each time of the car ignition is on, the module will activate automatically, the playing will begin immediately and the RDS text will be displayed on the car display and on the radio one.

The display of menu items is available thanks to the RDS management by MiniDAB.

They are displayed in ENGLISH.

Therefore, with the RDS feature activated on the radio, all operations are displayed on the car radio display and , in case of OEM radio, they are also displayed on the vehicle display (if the original radio has this functionality).

To manage of MiniDAB module via dedicated remote control and to know the functionality of the keys, please refer to the tables on the next page.

Selecting RESET by menu, DAB channel list and favourite list will be deleted. After this select FULL SCAN by menu to perform a new scan and get a new DAB channel list

Selecting CHNG FREQ (change frequency) by menu, a list of 8 FM frequencies will be proposed. Select the desired frequency using the remote. Now it is possible to tune the radio on the new frequency

CONNECTION OF DAB ANTENNA

The DAB antenna connection is via SMB connector.

Please lay the antenna cable (do not roll up excess cable) and connect it to the module, using the appropriate connector and then secure the antenna adhesive base to the vehicle windscreen.

