

INSTALLATION & USE MANUAL

MEDIADAB

UNIVERSAL Interface for

DAB[®] receiver rev. 1.0 12

with steering wheel commands control



MEDIADAB is a device which allows you to receive, through your car radio, the DAB radio stations. This is possible thanks to the high technology used.

A dedicated microprocessor is able to manage all the features available assuring always a perfect audio quality as available with DAB system.

The DAB receiver module installed allows to have a perfect reception.

The system is completed by a speech synthesis that support the user in all the operations managed during the use.

MEDIADAB is upgradeable through the USB input.

The control of the system is through the steering wheel commands of the vehicle or remote control (optional).

Here below are listed the main features MEDIADAB :

- **User menu displayed** on the car radio display by the RDS.
- **Vocal synthesis** of the main information and Menu headings.
- interface control through **CAN BUS steering wheel commands** (upon self-selection procedure).
- Interface control through **resistive steering wheel commands** (upon self-learning procedure).
- FM stereo modulation with 8 selectable frequencies, with **RDS information**.
- **USB input for upgrade**.

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CONNECTIONS AND INSTALLATION

MEDIADAB kit is composed by an interface unit (A) an ANTENNA DIN (D) / DIN PLUG (C) connection cable, a power feeding/steering wheel commands (F), an USB extension cable (E).
MEDIADAB can be installed following the steps below described:

STEERING WHEEL COMMANDS POWER FEEDING CONNECTION

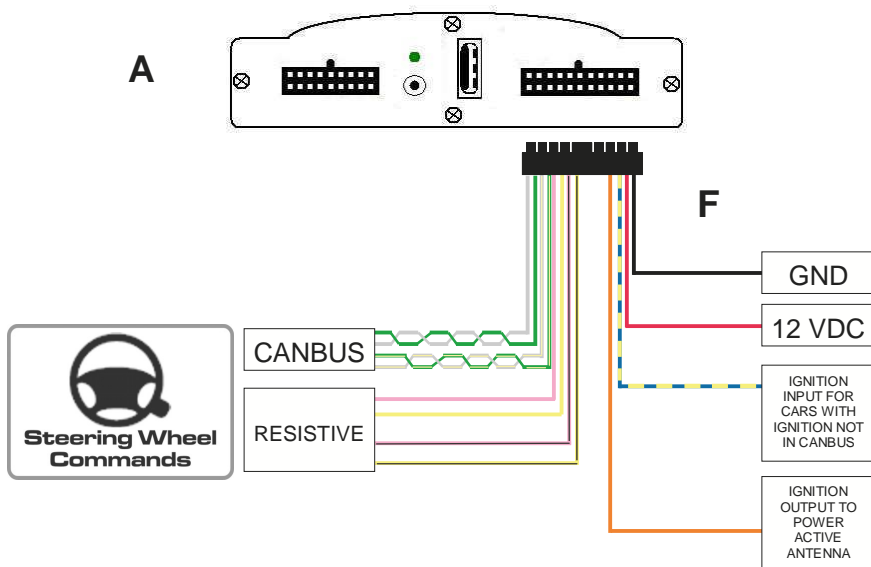
After the car radio has been removed, please connect MEDIADAB power feeding cables by using the 22 poles-connector as below shown.

Connect MEDIADAB RED cable to the car radio 12VDC positive.

Connect MEDIADAB BLACK cable to the ground.

Connect MEDIADAB BLUE-YELLOW cable to a positive ignition input.

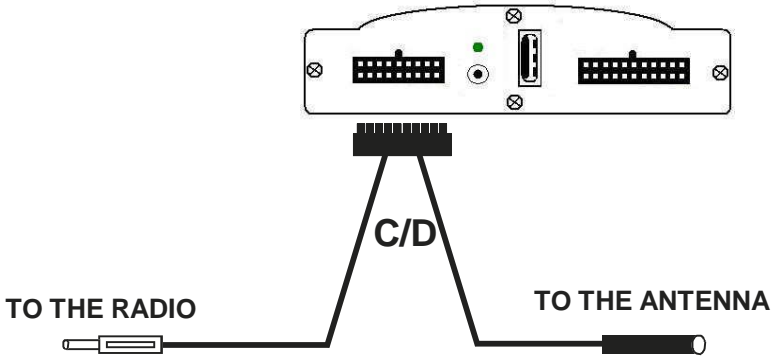
ATTENTION:
FOR THE CAN BUS CARS IT IS NOT NECESSARY TO CONNECT THE BLUE-YELLOW POWER IGNITION CABLE.



Once the power feeding cables have been connected, in the same connector the user can find the cables to connect MEDIADAB to the vehicle steering wheel commands. If the vehicle is provided with steering wheel commands, please go to **STEERING WHEEL COMMANDS CONNECTION** section. If the vehicle is not provided with steering wheel commands, please follows the next step.

ANTENNA CABLES CONNECTION

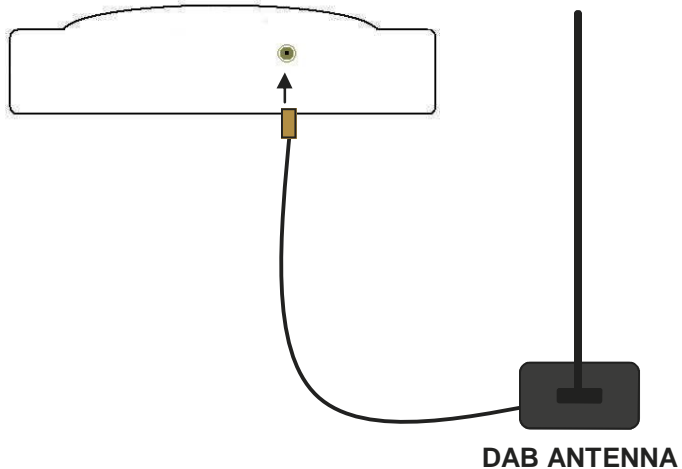
The user must connect MEDIADAB in series to the vehicle antennas. Please connect the antennas DIN-cable inserting it into the connector as below shown. Then, please connect in series the antennas putting them between the car antenna and the car radio.



ADAPTERS TO CONNECT MEDIADAB TO ANY CAR RADIO, EITHER BY ISO CONNECTION OR FAKRA CONNECTION WITH 1 OR 2 ANTENNAS, ARE AVAILABLE

ANTENNA DAB CONNECTION

The user must connect MEDIADAB the DAB antenna as described below. Plug the SMB connector to the input located back the MEDIADAB as shown below.



The installation is finished.



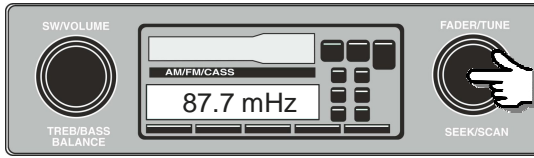
IT IS SUGGESTED TO INSTALL THE ANTENNA DAB IN THE MIDDLE OF THE ROOF OR IN A SIDE OF THE REAR WINDOW

ACTIVATION AND TUNING

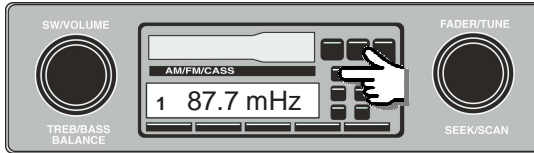
First of all, tune the radio-frequency.

Control that the RDS function is activate.

Now set the frequency on FM 87.70 mhz.



Memorize the frequency for the quick recall.



Now, switch on the ignition and the radio, MEDIADAB will switch on automatically.

MEDIADAB will pronounce the welcome message:

"WELCOME TO DIGITAL RADIO".

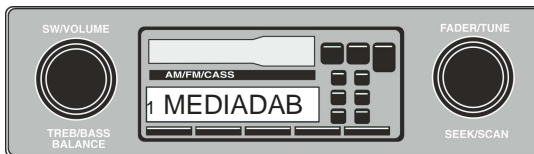
The system will start to scan the frequencies in order to set all the stations available, this operation will take few seconds, after which the play will start.

All functions handled by MEDIADAB are also written in English on the display trough the RDS.

Menu headings and radio station names are displayed thanks to MEDIADAB RDS handling function.

So, with the RDS function activated, all operations are also visualized on the radio display and, in case of OEM radio, they are visualized also on the vehicle display (if the OEM radio can write also on this one).

The displayed menu headings are the same for all the languages and they are set by default in English.



Once the MEDIADAB is activated the system will play the last band station memorized, if the unit is the first time connected, the system will be mute waiting for a SCAN operation.

Follow the next pages to understand how to use the unit.

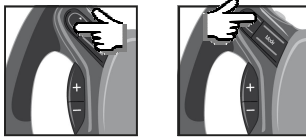


**AFTER THE INSTALLATION IT IS SUGGESTED TO
MAKE A SCAN AND A PRUNE IN AN OPEN
SPACE IN ORDER TO HAVE THE MAXIMUM
NUMBER OF CHANNELS AVAILABLE**

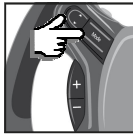
MENU

MEDIADAB has a user-menu that is shown on the radio display through the RDS; the same menu is pronounced by the vocal synthesis.

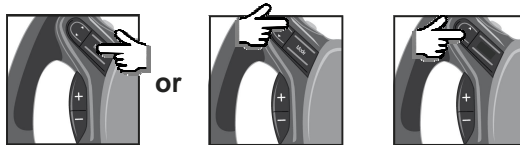
The menu can be run down by the steering wheel commands (for the compatible versions). With the steering wheel commands, the user can enter the menu by pressing the sequence SEEK— SEEK + SEEK — SEEK+ .



To scroll down the menu headings press the seek buttons.



To entry into the sub-menus or to confirm a choice, please do a short pressure on the source button. If this button is not available, please do the sequence SEEK— / SEEK +.

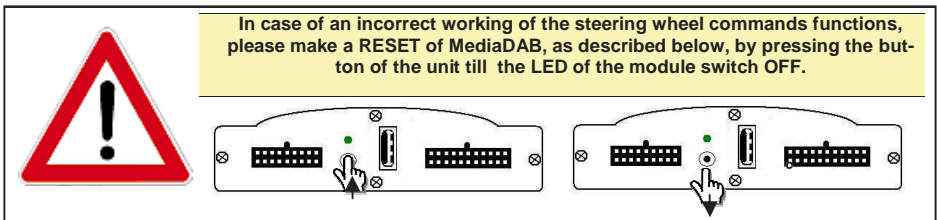


The menu managing allows you to do all desired settings.

All possible handlings are displayed on the radio display and pronounced by the vocal synthesis too.

The menu includes various sub-menus.

Menu organization is tree-shaped and it's handled as described in the following table.



PRINCIPAL	SUB-MENU 1	SUB-MENU 2	SUB-MENU 3	MEANING
OFF				
DAB	CHANNELS	RADIO 1 RADIO 2 BACK EXIT		THIS IS THE LIST OF THE RADIO STATIONS MEMORIZED AND AVAILABLE
	FAVORITE	RADIO 1 RADIO 2 RADIO... BACK EXIT		THIS IS THE LIST OF THE RADIO STATION MEMORIZED AND SET AS FAVOURITE
	MANAGEMENT	ADD / REM FAV CLR FAV SCAN PRUNE BACK EXIT		THIS ALLOWS SET UP OF THE CHANNELS ADD REMOVE CLEAR SCAN PRUNE
	BACK EXIT			
SET UP	DAB	PWR SCAN RESTORE BACK EXIT		WITH POWER SCAN ENABLED THE SYSTEM WILL CARRY OUT A SCAN AT EACH SWITCH ON RESTORE ALLOWS RESET THE DAB MODULE
	FREQUENCY	From 87.70 To 89.10 BACK EXIT		SET THE FREQUENCY OF THE MODULATION TRANSMISSION OF MEDIADAB
	VOICE	LANGUAGE WELC MESSAGE MENU MESSAGE EVENTS MESSAGE VERSION UPGRADE VOICE BACK EXIT	ENG > ITA > DEU > BACK > EXIT ON > OFF > BACK > EXIT ON > OFF > BACK > EXIT ON > OFF > BACK > EXIT INSERT KEY BACK EXIT	THIS ENABLES OR DISABLES THE ON MESSAGE NOTE DEFAULT IS ALWAYS ON. THIS INDICATES THE VERSION OF THE VOICE SOFTWARE THIS ALLOWS THE USER TO UPGRADE (CHANGE) THE LANGUAGE
	SYSTEM	VERSION UPGRADE SYSTEM VERSION BACK EXIT	BACK EXIT INSERT KEY	THIS INDICATES THE VERSION OF THE SYSTEM SOFTWARE THIS ALLOWS UPGRADE OF THE SYSTEM SOFTWARE VERSION
	BACK EXIT			
EXIT				

MEANINGS

CHANNELS are the radio stations stored in the DAB receiver

CLEAR FAVOURITE this option allows to delete all the channels memorized as favourite

SCAN is the operation managed by MEDIADAB during the channels research

PRUNE is the operation managed by MEDIADAB that allows to clear channels listed but not anymore available






POWER SCAN (PWR SCAN) if enabled this function manages a SCAN each time the MEDIADAB ignition

RESTORE allows to reset the DAB module of MEDIADAB

CONTROL OF THE FUNCTION BY STEERING WHEEL COMMANDS

MEDIADAB is controlled by the steering wheel commands (according to compatibilities). Obviously, according to the different buttons available on the steering wheel the user can control MEDIADAB in 2 different modes: MODE 1 and MODE 2. They are described as follow.

MODE 1 (5 buttons with long pressure)	SRC button	Volume buttons	SEEK buttons
FROM software version 1.8			
ON/OFF MediaDAB		SEQUENCE VOL+ / VOL — / VOL+ / VOL —	
Volume +		VOLUME +	
Volume -		VOLUME —	
next STATION			Seek +
previous STATION			Seek —
next FAVOURITE			Seek + LONG
previous FAVOURITE			Seek — LONG
MENU selection			Seek —/ Seek +/ Seek —/ Seek +
Menu UP			Seek + (short)
Menu DOWN			Seek - (short)
MENU confirmation	SRC (brief)		Seek- Seek+
ADD/REMOVE to favourite channel (quick function)		Vol – Vol +	
SCAN (quick function)	3x SRC		

MODE 2 Mode with Volume or SRC present but without long press available	SRC button 	Volume buttons  	SEEK buttons  
ON/OFF MediaDAB		SEQUENCE VOL+ / VOL — / VOL+ / VOL —	
Volume +		VOLUME +	
Volume -		VOLUME —	
next STATION			Seek +
previous STATION			Seek —
next FAVOURITE		Seek — Seek + Seek +	
previous FAVOURITE	Not available	Not available	Not available
MENU selection			Seek—Seek + Seek— Seek +
Menu UP			Seek + (short)
Menu DOWN			Seek + (short)
MENU confirmation	SRC (short)		Seek — Seek +
ADD to favourite channel (quick function)		Vol — Vol +	
SCAN (quick function) Only if the SRC button is present	3x SRC		

TROUBLESHOOTING

- The radio band frequency has interference.
- Select a different radio frequency as described in the MENU SET UP
- After the connection of MEDIADAB the steering wheel commands don't manage any functions.
- Verify the correct connection of MEDIADAB to the power cables of the vehicle.
- RESET of MEDIADAB as described at page 5 in this manual.
- Verify that the SWC connections are correct.
- Verify that the vehicle is in the compatibility list.
- When the car is off , MEDIADAB doesn't switch off.
- Check the SWC the connections.
- The RDS is not displayed.
- Check that the RDS function is enabled on the OEM radio.
- Check the antenna adapters are in series with the OEM antenna connections.
- No channels available.
- Perform a scan channel in an open space and not into the garage.
- Check the connection of the DAB antenna.
- The upgrade procedure doesn't start
- Verify the right name of the file (mediadab.fwp)
- Change the usb pen and retry with an USB FAT32