



# VNA-TM-DAB2

## DAB+ TUNER MODULE



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**ENG**

### Intended Use:

This DAB + receiver is only for operation in conjunction with an ESX Naviceiver i35 platform upwards and only suitable for operating system 4.1.1-7726 or higher.

### Scope of delivery:

- 1 x VNA-TM-DAB2 tuner
- 1 x Cable set G71-DAB003
- 1 x Passive DAB+ window antenna VNA-DAB-ANT

### Recommended accessories:

Active DAB+ window antenna VNA-DAB-ANT2

**Note:** In principle, any DAB+ antenna with an SMA-M screw connector can be used. In addition, even the so-called phantom power (12V) for example VNA DAB ANT2 is supported. If your used antenna need a separate power supply, you can use the yellow cable „+12V“, which leads out from the connection cable G71-DAB0003 from the ESX device.

**Warning:** The output „ANT POWER OUT“ on the ESX Naviceiver is intended for active FM antennas. The applied 12V voltage is not suitable for the power supply of a DAB+ antenna.

### Installation and connection:

1. First, find a suitable mounting location in the vehicle. The sufficiently long connection cable G71-DAB003 (included) should allow installation at any point of a normal vehicle.
2. Attach the DAB tuner with suitable screws or cable ties in the vehicle. Make sure when installing that no existing vehicle parts such as cables, on board computers, safety belts, tanks or similar parts will be damaged or removed.
3. Now lead the cable “G71-DAB0003” (included) from the radio slot to the DAB+ tuner. Connect the cable to the intended input at the ESX Naviceiver on connect it to the “POWER” input at the DAB+ tuner VNA TM-DAB.
4. Now lead the window antenna (VNA DAB ANT, included) to the windscreen and attach it. We recommend to lead the antenna cable through the A-pillar on the passenger side. Attach the antenna vertically on the windscreen.
5. Clean the windscreen and attach the window antenna by using the appended adhesive strips.
6. Now connect the antenna cable with the “ANT” input at the DAB+ tuner.
7. Now refer to the section,„GETTING STARTED WITH THE SETUP“ below.

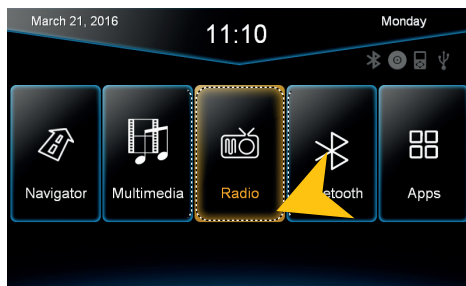


## GETTING STARTED WITH THE SETUP

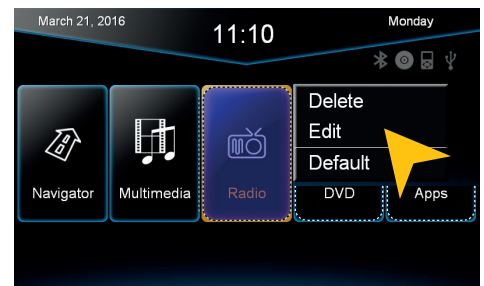
Turn on your ESX Naviceiver after you have installed the VNA TM-DAB tuner and connected the DAB antenna. Please refer to the installation guide of your respective ESX Naviceiver model.



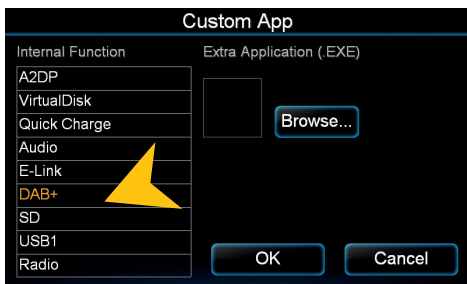
Here you can see the standard main menu of the ESX naviceiver without the „DAB+“ control panel (Appearance may vary depending on device type and the used skin).



Tap and hold for about 5 seconds one of the control panels until all fields are bordered by dashed line.



Tap e.g. on „Radio“ until the blue selection menu appears and select „Edit“.



Then select „DAB +“ from the list and confirm with „OK“. Should the entry can not be found, scroll down the list to the bottom, or make sure that you are using the latest version of the selected skin and if it's DAB + compatible.



To exit the „Edit“ mode, press briefly onto the upper part of the screen.

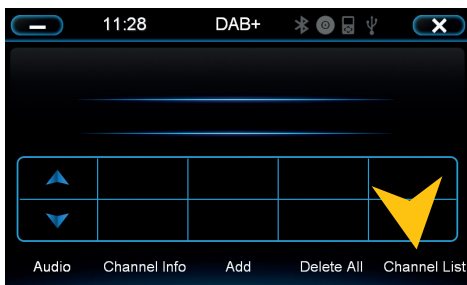


**HINT:** If your device features a RADIO keypad, pressing and holding opens up the DAB menu as well.

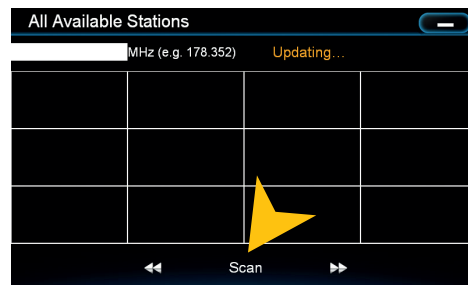
# CHANNEL SEARCH, FAVORITES & OPERATION



Tap on „DAB+“.



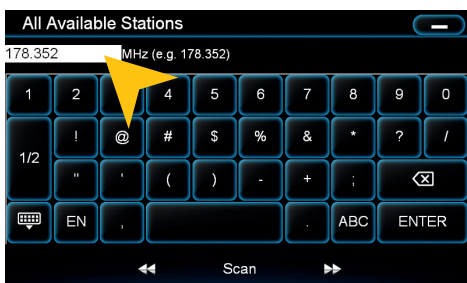
Here your favorites will appear later. Tap on „Channel List“.



Tap on „Scan“ to start the channel search.



After the scanning all available DAB stations are listed here. you can only select one of the station directly.



**Direct frequency input:** This function is only used to verify the local reception situation or to test an individual frequency block. Type in the desired frequency into the white box (only numbers and dot) and confirm the entry by tapping on „Scan“.



To mark a channel as favorite and to show him as favorite button in the DAB+ menu, select and press the corresponding channel field for about 2 seconds. The yellow star indicates which channel is a favorite.

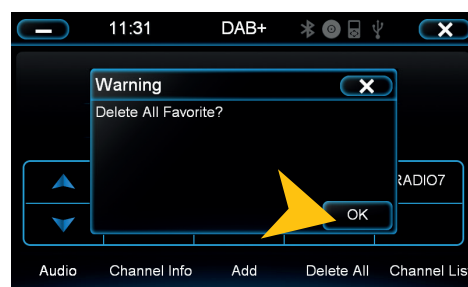
**Note:** After such a confined search only the channels in the selected frequency will be displayed in the channel list and in the favorites list! If you want to search for all available stations, make sure that in this white box no frequency is displayed. Delete the entry with the „<-“ button.



To remove a channel from the favorite list, press and hold the corresponding channel field for about 2 seconds. The yellow star is then no longer displayed.



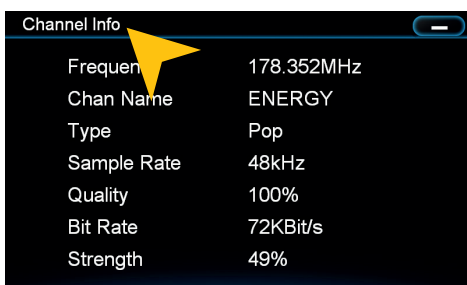
It is also possible to store the currently playing station to the favorites list. Tap on „Add“. **Note:** A duplicate storage is not possible.



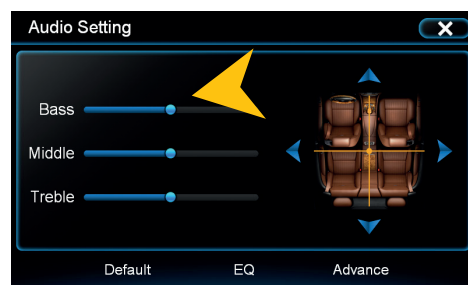
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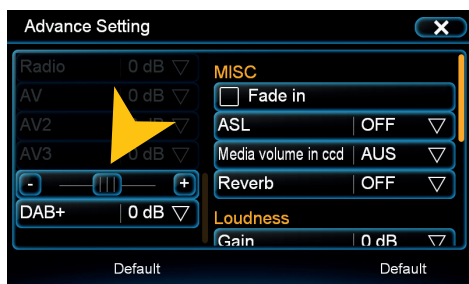
To select your favorites, you can tap now the channel fields in the favorite list. Use the red arrows to switch to the previous or next favorite list.



Under „Channel Info“ you will find detailed information about the current station.



Under „Audio“ you can configure the audio settings as usual.



Under „Advanced“ you can adjust the application volume in relation to the other audio sources.