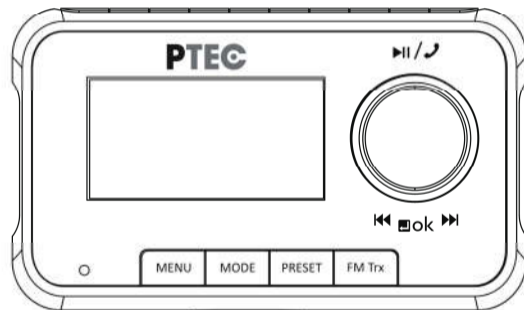


USER MANUAL

PTEC A1

EN



REV:00

Table of Contents

Warnings.....	1
Function of buttons	2-4
Accessories.....	5
Installation of Adaptor	6
Setting & Operations	6-13
Installation of Antenna.....	13-19
Disposal.....	20
Warranty.....	21-22

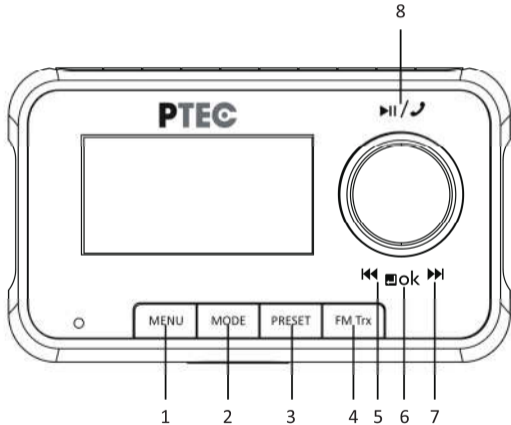
Please carefully read the safety instructions before using.

1. Please use dry cloth to clean up the product when needed.
2. Please don't block any holes.
3. Please only use the accessories from the manufacturer.
4. Please don't expose the product in rain or damp places.
5. Please don't expose the product to water/steam/sands and other environments.
6. Please don't put the product in hot place, and keep away from Heat source, to avoid the damage to the product.

Product Specifications:

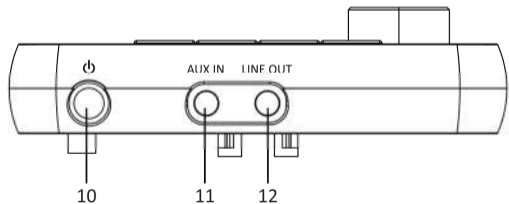
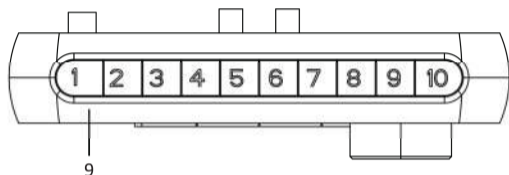
- 1: Model No.: PTEC A1
- 2: DAB/DAB + Frequency: BAND III (174.00 - 240.00Mhz)
- 3: FM Transmission Frequency: 87.5 -108Mhz
- 4: Audio Line: a: 3.5mm Aux in, b: Line Out
- 5: Power Supply: 5V car charger
- 6: Size: 102 x 60 x31.5 mm
- 7: Unit Net Weight: 95g


Function of Buttons



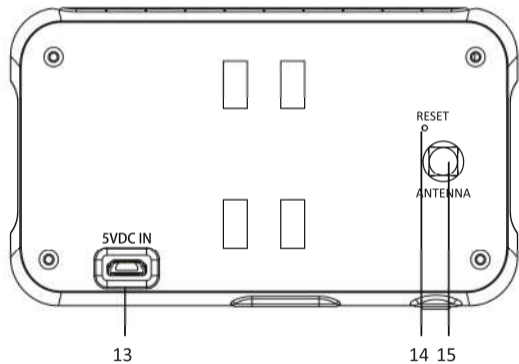
- 1: MENU — Press to access menu settings
- 2: MODE — Press to switch difference modes
- 3: PRESET — Access and store radio station presets
- 4: FM Trx — FM Frequency Transmission
- 5: ◀◀ — Select radio station(backward)
- 6: OK — Confirmation
- 7: ▶▶ — Select radio station(forward)
- 8: ▶||/📶 — Play,Pause/Handfree

Function of Buttons



- 9: 1-10 — Number of radio station presets
10:  — Power on / off
11: AUX IN — Audio input
12: LINE OUT — Audio output

Function of Buttons



- 13: 5VDC IN — Mini USB socket
- 14: RESET — Default setting
- 15: ANTENNA — DAB/DAB+ antenna interface

Adaptor and Accessories:



- 1: DAB/DAB+ Adaptor
- 2: 12V/24V to 5V USB interface car charger
- 3: Front Window Holder
- 4: DAB/DAB+ Antenna
- 5: 3.5mm Aux in cable USB Cable

Note: All accessories are specially designed for the product, please do not use the cables or accessories from the third-party, otherwise it might damage to the product.

Installation


1. Use the front window holder to stick the adaptor on the Dash board properly.
2. Connect the antenna to the antenna socket. (Note: A proper antenna installation is very important for signal receiving. Please see page9-10)

Basic Operations

1. Switch on your DAB adaptor

Connect the adaptor to the car charger. The adaptor is Power on and shows Welcome Digital Radio on the display. For the first use, the adaptor will auto scan all local DAB/DAB + Radio and store in memory until another "auto scan". It will show the progress bar and number of the radio stations received when Scanning. It will play the first station after auto scan completed.

2. Power on/ off

Power on: Press the  button.

Power off: Press and hold  button until Power off shown on screen.

3. System MENU

In DAB mode, press and hold MENU button to enter into system MENU interface, press **⏪ / ⏩** button to select: SYSTEM/Full Scan/ System Reset/ SW Version and press OK button to start setting.

3.1 SYSTEM setting

3.1.1 Brightness

Press and Hold MENU button to the system setting interface. ,press **⏪ / ⏩** button to select SYSTEM, and press the OK button to go in the SYSTEM setting: Press **⏪ / ⏩** button to choose Brightness and press the OK button for three options: High/Medium/Low, choose your need then press the OK button to confirm and return to the previous setting interface. Press MENU button again to exit the Settings (it will auto exit the menu interface and enter the current radio main interface after 10 seconds without any operation)

3.1.2 TA Show

Press and hold MENU button to the system setting interface. Press **⏪ / ⏩** button to select SYSTEM, and press the OK button to go in the SYSTEM setting: Press **⏪ / ⏩** button to choose TA Show(Traffic Information),select whether you would like traffic information to interrupt the radio station you are listening to.*

Options: On, Off

*Only available in areas which broadcast traffic information.

3.1.3 Power Down (Auto Power off)

Select the length of time the DAB digital radio adaptor remains on before automatically shutting down after the unit stops receiving power.

Options: OFF 5min,10min, 15min

3.1.4 Button Light

Press and hold MENU button to the system setting interface. Press **◀◀ / ▶▶** button to select SYSTEM, and press the OK button to go in the next menu: Press **◀◀ / ▶▶** button to choose Button Light, and press the OK button to go in the OFF/ON setting. Press **◀◀ / ▶▶** button to do your settings. Press the OK button, then it auto return to the previous setting interface. Press MENU button again to exit the Settings.

3.1.5 Language

Press and hold MENU button to the system setting interface. Press **◀◀ / ▶▶** button to select SYSTEM, and press the OK button to go in the next menu: Press **◀◀ / ▶▶** button to choose Language, and press the OK button to language setting. Press **◀◀ / ▶▶** button to choose English/Deutsch/Italian/French. Press the OK button. Then it auto return to the previous setting interface. Press MENU button again to exit the Settings.

3.2 Stations Scanning Setting

3.2.1 Auto scanning

Press and hold MENU to system menu interface, Press **⏪ / ⏩** button to select Full Scan, Press OK button. It will auto scan DAB/DAB + Radio stations and store in memory. When Scanning, It will show the progress bar and number of the radio stations. It will play the first radio station after finishing automatic scan. If no signal, it will show NO STATION.

3.3 System Reset

3.3.1 Factory reset

Press and hold the MENU button to enter the system menu interface, Press **⏪ / ⏩** button to choose System Reset, press the OK button to choose: NO/YES, Press OK button to confirm the system reset. It reverts to the original default settings

3.4 system version:

Press and hold the MENU button to enter the system interface, press the **⏪ / ⏩** button to choose Sw Version ,press the OK button to see the system version number.(The system version is only for viewing)

4. **MODE: Mode switch**

Press MODE button to switch between DAB/Aux in/Bluetooth mode.

5. **Stations preset**

5.1 Storing stations

In DAB mode, select your favorite radio stations and long press the "Preset" button. It will display "01:Empty", press **⏪ / ⏩** button to select the number you want to store from 1-10 .Press the OK button to confirm .It will display "Stored Successfully" and return to the previous playback. You can store 10 stations.

5.2 Recalling a stored station

Press the "Preset" button and press **⏪ / ⏩** button to select your preset station and press the OK button to listen to your desired preset station.

6. **FM Trx: FM frequency transmission**

- 6.1 Debug your FM frequency and find the Null Frequency (based on your experience in use). Note: "Null Frequency" means the frequency point without any broadcast or noise.

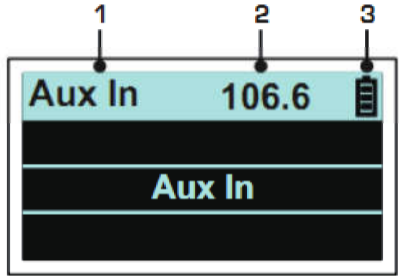
6.2 Press the FM Trx button, It will show "TX Freq: 87.5Mhz", press the **⏪ / ⏩** button to select a frequency same to the "Null Frequency" of Car FM radio ,then press the OK button, the adaptor will transmit the FM radio to your car radio broadcasting system. The corresponding frequency points is displayed at the top right of the screen.

7. Listen to the radio

In DAB mode, Press the **⏪ / ⏩** button to select the station from the station list, press OK button to listen to 8.1 Radio Station Info. When playing the broadcast, press the button MENU to see the info: name of radio station, signal strength, type of program, frequency, DLS(Dynamic Label Segment info. time, date etc.

8. AUX IN:

The key below explains the various information displayed on the screen when your digital DAB radio adaptor is in 'Aux in' mode.



- 1: Mode title: indicates that you are in Aux mode.
- 2: Audio out indicator: indicates if the digital DAB audio adaptor is broadcasting FM or using line out connection.
- 3: Battery indicator: indicates if battery is being charged, otherwise indicates battery level.

9. LINE OUT :

Connect the adaptor to the audio device with 3.5mm AUX IN cable you can listen to the radio program. (when using this function, the adaptor will stop the FM frequency transmission, and the adaptor can't control the output volume, instead of controlling the volume of the audio device)

10. Bluetooth

- 10.1. Press MODE button to switch to Bluetooth mode.
- 10.2. Turn on the bluetooth of your device and search for pairing name DAB-1
- 10.3. Press DAB-1,once the bluetooth connecting successfully, the display will show connected.
- 10.4. Set the null frequency same as the FM radio in your car and you can stream the music from your device to
- 10.5. You can use handfree knob to receive the call freely or hold and press the handfree knob to reject the call.

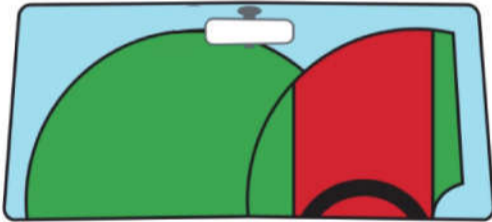
Installation of antenna

Please read and follow the notes below regarding the positioning of the DAB digital radio adaptor within the vehicle. The DAB adaptor is supplied with a adhesive mount for installation.

When positioning the DAB radio adaptor you must adhere to the following points:

1. The adaptor must not to obstruct the drivers view.

2. The DAB adaptor must not be positioned so that it interferes with or is in the path of airbag deployment.
3. The DAB adaptor must not obstruct your view of any of the controls or instruments in the vehicle.
4. The DAB adaptor must not obstruct the view of the wing or rear view mirrors.



Do NOT mount the DAB adaptor in front of the driver, as depicted by red area in the above illustration.

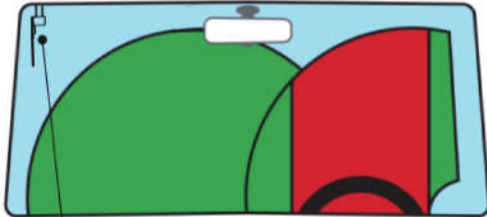
When installing the DAB adaptor in a vehicle, always make sure that it is mounted securely. If possible the cables running to the device should be concealed under the cars trim. Make sure that none of the cables interfere with drivers operating controls, such as the steering wheel, pedals or gear lever. The cables also should not obstruct ones view of any of the vehicles instruments.

Clean the windscreen at the point of location, prior to fitting the DAB adaptor.

Please follow the instructions below for first-time installation of the digital DAB radio.

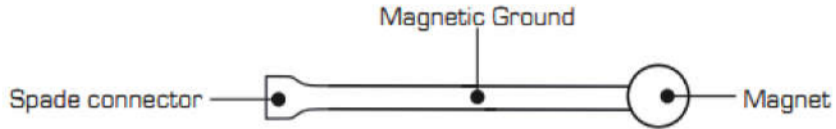
1. Installing the Active Antenna

Correct installation of active antenna is crucial for good DAB radio reception. The antenna should not obstruct the drivers view. It should be installed on the passenger side of the vehicle, as shown below.



Antenna positioning for right hand drive vehicle.

Once a suitable location has been found for the antenna, the first step is to install the magnetic ground.

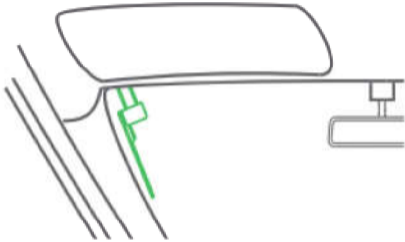


The Magnetic ground must be affixed to a ferrous object, i.e. the vehicles body. Typically this is achieved by sliding the magnetic ground under the roof lining of the vehicle. In most cases you will hear an audible click when the magnet has located itself.

If you lightly pull you will be able to feel that the magnet is securely attached. Once the magnetic ground is located, ***connect the spade connector to the antenna. Magnetic ground is to ensure the good reception for DAB car adaptor***

Using the supplied screen wipes, clean the area of windscreen which the antenna will be adhered to, thus making sure the windscreen is clean and free of dirt and/or grease.

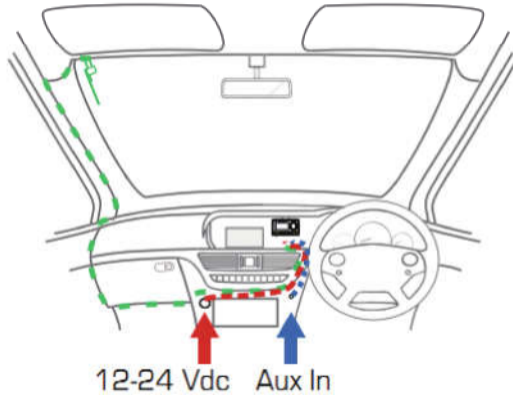
Remove the adhesive backing from the antenna film and affix it 2.5cm from the A-pillar, as shown below.



2. Choose location to mount DAB adaptor

The DAB adaptor is supplied with an adhesive mount so you have the freedom to mount the adaptor in the location that suits your vehicle.

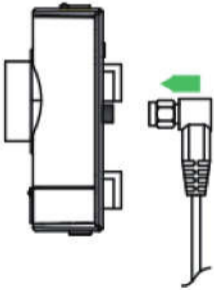
If you choose to mount the DAB radio adaptor on the center console position the DAB radio adaptor on an area which does not obscure any controls or instruments.



3. Route the cabling to the DAB adaptor

Route the antenna & power cables to the DAB adaptor, the cables can then be hidden behind the vehicle's plastic trim, or secured using the supplied adhesive cable clips. Connect the antenna to the DAB adaptor. The antenna is connected via a threaded connector, this should only be tightened by hand.

Note: Do not bend, crease or cut the delicate antenna components. Any excess cable can either be gently tucked behind trim, or coiled up and secured using one of the supplied cable ties.



Route the supplied car power cable to the DAB adaptor and plug in the mini USB connector. Plug in the car power cable into the cigarette lighter socket. The DAB adaptor will now power on and will start an automatic scan of all the available DAB radio stations.

Disposal

EN

If have to dispose the device in the future, note that it should not be disposed with household waste. Bring it to a reception point for the recycling of electrical devices. Consult your local authority or retailer for recycling advice.



Specifications subject to change without notice.



Warranty terms

The warranty period shall commence on the purchase date. Please keep your original receipt in a safe place. This is required as a proof of purchase.

If a material or production fault occurs in this product within 24 months of the purchase date, we shall – at our discretion – repair or replace the product free of charge.

This warranty requires that the defective device has to be sent to the service centre together with the original proof of purchase and a brief description of the fault within these 24 months.

If the fault is covered by our warranty, you will receive the repaired product or a replacement device.

The warranty period shall not begin again if the product is repaired or replaced.

Manufacturer:

Palotec AG Frikartstrasse 3 4800 Zofingen Switzerland

Web: www.ptec.ch

E-Mail: info@ptec.ch

Made in China

