

INSTALLATION AND USER MANUAL



FOR **GATEWAY PRO BT**

DENSION
LEADING IN CONNECTED ENTERTAINMENT

1. INTRODUCTION

The Dension Gateway Pro BT lets you connect your iPod or USB storage (stick, hard drive or mass storage capable mp3 player) to your original car radio, providing music playback, menu based control and charging. The device offers Bluetooth connectivity for music streaming (via A2DP) and hands free feature via the original buttons and screens of your vehicle. The Gateway Pro BT is the perfect integration for cars with factory head unit.

Package contents

- ▶ Gateway Pro BT device
- ▶ Car side harness (V21)
- ▶ Microphone
- ▶ Zip ties



2. SUPPORTED AUDIO DEVICES

USB

- ▶ USB stick and external hard drive with one partition
- ▶ File system: FAT32
- ▶ Storage capacity: up to 100 GB music content
- ▶ Music format: MP3, WAV and WMA (except for DRM protected, WMA-lossless, WMA-Pro)

Apple devices

- ▶ All Apple devices with 30-pin connector through optional 30-pin iPod Dock cable
- ▶ All Apple devices with Lighting connector through the USB port

3. GETTING STARTED

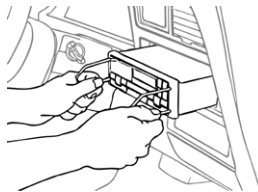
Make sure that the vehicle compatibility is correct: The Gateway Pro BT is available in specific versions for different vehicle types, therefore the exact operation and installation may differ in each case.

Before you start

Make sure the ignition key is removed from the car, the radio is switched off and you have the security code of the head unit (radio) ready (if applicable).

Removing the head unit

First, carefully remove your vehicle's existing factory head unit as per the factory instructions and by using the correct tools.

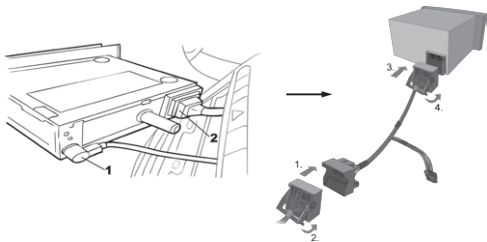


In some cases removing the head unit will require panel removal. Contact your vehicle's dealer or installation supplier / installer for more information.

4. FITTING THE GATEWAY HARNESS

Once the head unit is removed, disconnect the antenna cable (1), and then unclip the main wiring connector from the head unit (2).

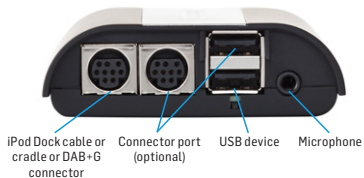
With the main radio cable removed, connect the Dension supplied cable between the original factory cable harness and the head unit.



5. INSTALLATION (PART 1)

The below diagram depicts how the different modules connect to the Gateway Pro BT.

- ▶ Connect the 18 way micro-Fit to the Car side of the Gateway Pro BT module.
- ▶ Connect the round iPod connector (optional) and connector port (optional) to the module and feed them through the dashboard to an appropriate location.



Connector port (optional accessory)

The Connector port allows easier access to the USB and AUX connections of the gateway, and provides a bypass switch and an easy reset option. The iPod connection and charging is possible directly through the iPod Dock cable or an iPod cradle (not included).

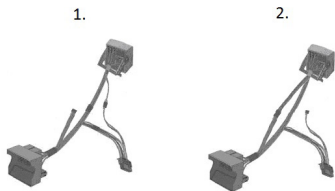
Please fix the connector port in a position where the user can access the inputs, and leave sufficient room for attaching USB storage devices.



6. INSTALLATION (PART 2)

There are DIP switches on the bottom of the Gateway Pro BT. You can activate / deactivate functions with DIP switches like Bluetooth phone (DIP switch 5) or Media (DIP switch 6). Change the default settings only if you want to use the factory fitted phone options.

For example: If you want to use the factory phone option instead of the Pro BT, set DIP switch 5 ON and change the 4-pin Molex (phone audio) position as it can be seen below (picture #2). The other DIP switches between 1 - 4 are non-functional.



Please note: You have to remove the factory phone module (if available) to be able to access to the Gateway's phone option.

Fitting the microphone

The microphone works best when it is kept away from all noise sources (open windows or speakers) but is located close to the driver: installing it at the central interior light or the rear view mirror, so to the centre of the windscreen are two options that can produce high sound quality. There is also a clip to help you mount the microphone. The optimal place for the mic depends on several things, so it is recommended to try different places before finalizing the installation.

7. TESTING AND REFITTING

Before you refit the head unit, test the Gateway Pro BT with your car audio. Make sure all connections are correct and that you have full functionality.

Please note: If during testing you notice any changes or inconsistencies in the way the car's electrical system operates, disconnect the Gateway product immediately and consult your dealer.

When you are done testing everything, refit your head unit.

- ▶ Do not trap the cables or leave them in a position where they may become trapped after refitting the head unit. We supply cable ties to mount the Gateway Pro BT module.
- ▶ Please do not mount the module near heat or damp surfaces.
- ▶ Refit is the reversal of the removal process for your specific vehicle, as per your manufacturer's instructions.

8. ENABLING

On CAN BAP based systems (like RCD310, 510 or RNS510) the Pro BT emulates the factory MDI (Multimedia Device Interface) and telephone option which needs to be coded since model year 2011. If your vehicle has not been programmed before, the Media Player 3 (2E) and Telephone (7E) options have to be coded in order for the Pro BT to work correctly.

Please note: Programming is not required if your vehicle had those options enabled before.

9. FIRST STEPS

Switch on your car radio and select 'Media In' by pressing the Media button.

Connect your iPod or USB storage to the Gateway. It will start playing the first song on the device. In case the Gateway was in use earlier, the music will continue playing from your iPod or USB from where it stopped previously.

When switching off the radio the playback will stop and the source device will go on standby.

You can pair the Gateway Pro BT with a Bluetooth capable mobile phone for music streaming (requires an A2DP capable phone) or hands free (if that option is active in the Gateway). Pairing is controlled from the mobile phone, the same way as connecting to other Bluetooth accessories. The pin code to the Gateway Pro BT is 0000.

Accessing the menu

The menu of the Gateway Pro BT is displayed on the car radio and partly on the central display (cluster) located on the dashboard (between the two main instruments).

There are two main screens that can be shown on the central display (cluster): the audio and the phone screens. Selecting these screens is possible with the Menu button on the steering wheel (if available).

The music playback and settings are controlled from the radio, but it is also possible to select the next or the previous track from the steering wheel if audio screen is selected on the cluster. The phone menu can be controlled from either the radio or the steering wheel (depending on the car and the radio specifications).



10. OPERATION

Depending on the head unit (car radio), the music menu can be browsed with softkeys and the Next / Back folder buttons, Next / Previous track buttons or via touchscreen / scrollbar.



Selecting the music source

You can select the music source for playback in the 'Source' menu. This can be:

- ▶ **GW AUX***: The analogue Auxiliary input of the Gateway. No control function is available. AUX can be used if the optional accessory Connector Port (EXTICP2) or AUX cable (CABL-AUX) is connected.
- ▶ **Bluetooth audio**: From a paired A2DP streaming capable phone. The playback is controlled via phone or with the Next / Previous buttons of your car (phone dependent).

Please note: This feature may be disabled by default but can be enabled from the 'Settings' menu of the Gateway device.

- ▶ **iPod UI**: The playback is controlled via iPod.
- ▶ **iPod GW**: The playback is controlled from the Gateway device (in this case the iPod controls get disabled).
- ▶ **USB**: The playback is controlled from the Gateway.

* additional accessory is required (CABL-AUX or EXTICP2)

- ▶ **DAB radio**:** After selecting this source you will be able to listen and manage digital radio through DAB+G.

**additional DAB+G DAB receiver accessory is required (DBGIGEN)

Browsing and selecting music (iPod or USB)

You can use certain menu items to browse the content of the iPod/iPhone or USB device:

- ▶ **For USB devices** Source, Files, Music, Album, Artist, Songs, Bookmarks and Settings make browsing and selecting music files easier.
- ▶ **For iPod devices** the following submenus will help you with browsing and selection: Source, Music, Playlist, Artists, Albums, Songs, Genres, Composers, Audiobooks, Album Play and Settings.



When an artist gets selected the 'Play' menu item plays all the songs from the given artist.

When an album is selected, the 'Play' menu item starts the playback of the album and the particular songs get listed afterwards for selection.

The following menu items provide specific functions for music playback:

- ▶ **Album play:** Plays the full album of the current song, typically used when in random play mode.

Random play can be accessed by pressing the Mix button on the radio or from the 'Extra' menu (this function is available on touchscreen radios only).

Listening and managing DAB (Optional DAB+G accessory is required)

After the DAB radio source is selected, you will see the 'DAB Stations' menu in the main menu of the Gateway. Here you can find the following options:

- ▶ **All stations:** Here you can find all the available stations based on the previous scan.
- ▶ **Favourites:** Your favourite DAB stations. By pressing and holding the Fast forward button for 3 seconds while listening to a station, you can add it as a favourite. To remove it from the favourite list, press the Fast rewind button. You can also select the 'Delete favourites' option in the 'Favourite stations' menu, with this method you will remove all the stations from the list.
- ▶ **DAB scan:** If you select this option the device will do a full DAB scan and then start playing the first available station (in alphabetical order).



Please note: When travelling frequently between different locations it is recommended to rescan all the station since the items in the previously saved list might not be available anymore. After the scanning only the 'All stations' list will be refreshed. The existing favourites list remains unchanged.

- ▶ **Service following:** The device has service following support so the currently played station might be available even after moving from the area where the station was originally broadcasted on a different frequency.

Settings menu

Volume

This menu allows you to set different volumes in the system:

- ▶ iPod, USB, AUX, Bluetooth volumes for music playback
- ▶ Phone and microphone volume for hands free calls

Phonebook

Here you can switch off the automatic download of the phonebook, which is needed in case of certain phone models.

Paired phone

Previously paired phone names (ID) will be listed here, but only the last four. You can perform pairing from this menu too by selecting the phone from the list.

Hotkeys

You can assign the CD selector buttons (between 2-5) to the desired folder e.g. album, song or menu position. To do so, please follow the below steps:

- ▶ Select the 'Set CD' option in the 'Hotkey' menu.
- ▶ Navigate to the desired menu or music item you want to set as hotkey.
- ▶ Press and hold for 3 seconds any of the buttons from CD2-CD5 you want to assign as hotkey. You will see the 'Stored' message on your display.

Bluetooth audio

In case you want to play music via A2DP from your mobile phone, turn the Bluetooth audio option on.

Please note: After changing the setting options you need to turn the Gateway off completely in order to load the system with the new settings.

11. USING THE PHONE MENU

You can enter the 'Phone' menu by pressing OK on the steering wheel when on the phone screen or by pressing the Phone button on the radio (radio specific). You will see the following menu items:

- ▶ **Phonebook:** You can select a phone number from your address book to initiate a call. Contacts are shown in alphabetical groups, followed by all contacts in alphabetical order.
- ▶ **Received / Missed / Dialed calls:** Provides access to the respective call logs.
- ▶ **Disconnect:** Disconnects the paired phone.

Please note: For consistency reasons the Gateway Pro BT does not store the phone numbers, therefore your phone resynchronizes all the time when it connects to the gateway. Synchronization is possible up to 1000 phone numbers (entries with multiple phone numbers synchronize as multiple entries).



Receiving and making phone calls

When receiving an incoming call, the caller number (if provided) or the corresponding contact name in your phonebook is displayed. You can answer the call by pressing the Phone button on the steering wheel or the relevant touchscreen button on the radio (whichever is available). In this moment the music or radio gets muted and the audio of the call is directed to the speakers.



Rejecting an incoming call is possible by long-pressing the Phone button, with the steering wheel's OK button or by pressing the red hang up touch button.

To initiate a call, please select a phone number or contact from the phonebook or call logs in the 'Phone' menu and press the relevant touchscreen button.

Please note: ABC search function is available in the 'Phone' menu of the cluster display.

You can hang up an ongoing call by pressing the Phone button or the OK button on the steering wheel or the relevant touchscreen button.

If you have a touchscreen radio you can also dial phone numbers by entering them directly through the 'Phone' menu of the radio.

12. DISCLAIMER

All photos / illustrations are for representative purposes only and may differ visually from the equipment in your vehicle. If your Denon product begins to behave in an unpredictable way, please immediately disconnect it physically and have it checked by a qualified electronics technician. Denon and its authorized distributors, as well as retailers are not liable for any incidental, consequential or indirect damages or loss and do not assume liability for any diagnostic fees. Using handheld devices while

driving may be subject to government legislations. Please make sure that using a Denon device is in line with the applicable traffic laws. Denon does not assume liability for events resulting from any illegal or irresponsible usage of these handheld devices.

Denon reserves the right to modify its products or specifications without prior notice.

13. WARRANTY

Denon devices carry a one-year limited warranty that protects you from defects in material and workmanship of products sold by Denon or its authorized distributors and retailers. Denon does not warrant any installation work or assume liability for any damage caused by negligence, improper installation or operation. For warranty claims, proof of purchase is required.

14. UPDATE AND SUPPORT

If you need further assistance in using your Denon product, please contact your local supplier or visit our website www.denson.com

For technical support please contact us through the listed possibilities on www.denson.com/automotive/support

Please also check the download section for the latest firmware version and product documentation, as these may provide additional features or easier product usage.

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