

## Blueway

### General installation guide

BWY-9201-1



### 1. Introduction

The Dension Blueway lets you connect your smartphone or iPhone to your original car radio, providing music playback, menu based control (AVRCP 1.4 is necessary) through Bluetooth. The Blueway offers Bluetooth connectivity for music streaming (via A2DP with full menu browsing) and handsfree mobile call handling via the original buttons and screens of your vehicle. Gives you the possibility to connect two Bluetooth devices at the same time.

#### Package content:

- Blueway interface
- Car side harness (power cable included)
- Microphone (generic)
- Zip tie

#### Optional accessories:

- Car specific microphones
- Cigar lighter charger (CGL34DB)
- USB extension cable (USB2000)

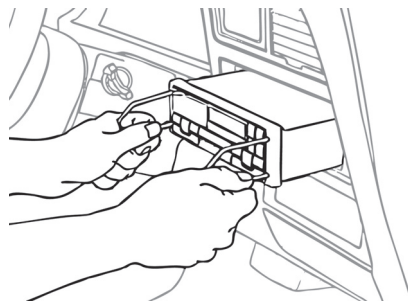
### 2. Getting started

At first, please make sure that the vehicle compatibility is correct. The Blueway is available in specific versions for different vehicle types, therefore the exact operation and installation may be different in each case.

#### Before you start!

**During the installation always make sure that the ignition key is removed from the car, the radio is switched off and that you have the security code of the head unit (radio) available (if applicable).**

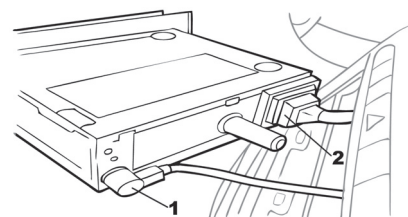
#### Remove the head unit



First, carefully remove your vehicle's existing factory fitted head unit according to the factory instructions and using the correct tools. In some cases, removing the head unit will also require panel removal. Contact your vehicle's dealer or a Dension authorized installer/supplier for more information.

### 3. Fitting the Blueway harness

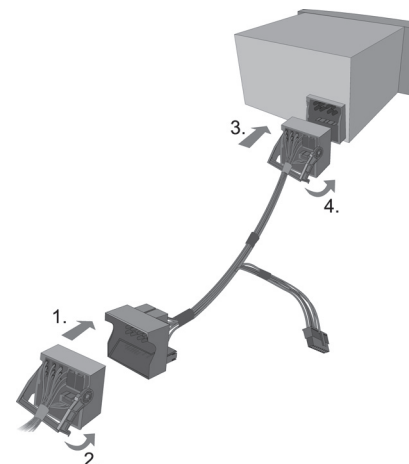
Once the head unit has been removed, disconnect the antenna cable (1), then unclip the main wiring connector from the head unit (2). This will differ in all makes and manufacturers.



#### IMPORTANT! The MDI (Media Device Interface) must be removed from the car before the installation of the Blueway!

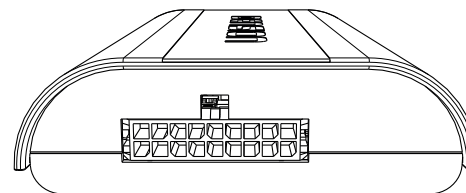
In the case if you want to keep the car's MDI: by switching DIP 6 into OFF position on the Blueway device you can turn the media functions of the Gateway OFF. Do this, if you would like to keep the factory MDI and would like to use the Blueway only for hands free. (See more about DIP switch settings in the user guide!)

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



### 4. Installation

Connect the 18 way micro-fit to the vehicle side of the Blueway device.



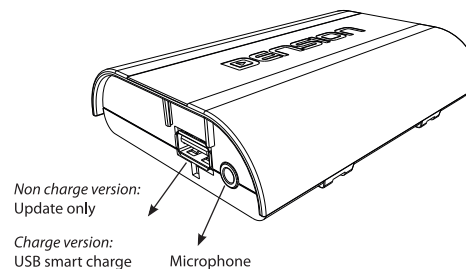
18 way micro-fit connector

**Please note:** In most cases, the factory media and factory phone devices are needed to be removed.

For the easier update of the device in the future we recommend placing the hardware to a location where you can easily reach it or extend the USB port with an extension cable, which is available as an official Dension accessory (USB2000).

#### Fitting the microphone

The microphone will work best when it is kept away from all noise sources (open windows or speakers) and close to the driver. So the best place to ensure perfect sound is to install at the central interior light or rear view mirror in the centre of the wind screen. There are clips that help you mounting the microphone. The optimal place for the microphone depends on many factors, so it is recommended that you try different installation places before finalizing the microphone installation.



Non charge version:  
Update only

Charge version:  
USB smart charge

Microphone

### 5. Test and refit

Before you refit the head unit, **test** the Blueway with your car audio, making sure all connections are **correct** and that you **have full functionality**.

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

When you have tested 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 Blueway module. **Please mount the module away from heat or damp surfaces.**

Refit is the reversal of the removal process for your specific vehicle, as per your manufacturer's instructions.

### 6. Enabling

On CAN BAP based systems (like RCD310, RCD510 or RNS510) Blueway emulates the factory MDI (Multimedia 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 Blueway to work correctly.

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

### 7. Disclaimer

If your car's electrical system begins to behave in an unpredictable way please disconnect the Blueway interface physically immediately and have it checked by your installer. Dension and its authorized distributors and retailers are not liable for any incidental consequential or indirect damages or loss and do not assume liability for any diagnostic fees. The use of handheld devices while driving maybe subject to government legislation. Please ensure that your use of the Dension device complies with applicable traffic laws. Dension does not assume liability for any events resulting from the illegal or irresponsible use of handheld devices while driving.

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

### 8. Warranty

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

### 9. Update and support

If you need further assistance in using your Dension product, please contact your local supplier or visit our website at [www.dension.com](http://www.dension.com). You can ask for the help of our trained technicians through the channels described on our Support page. Please check the download section for the latest firmware version and product documentation, as these may provide additional features or easier use of the product.

## General user guide

### 1. Introduction

The Dension Blueway lets you connect your smartphone or iPhone to your original car radio, providing music playback, menu based control (AVRCP 1.4 is necessary) through Bluetooth. The Blueway offers Bluetooth connectivity for music streaming (via A2DP with full menu browsing) and handsfree mobile call handling via the original buttons and screens of your vehicle. Gives you the possibility to connect two Bluetooth devices at the same time.

### 2. Supported devices

The Dension Blueway has a built in Bluetooth 3.0 module which supports:

- HF (Handsfree) v1.6
- A2DP (Audio)
- AVRCP (Audio remote) v1.5
- PBAP (Phonebook access)

It means it can work with most mobile phones and Bluetooth devices which support the same standards.

### 3. Bluetooth pairing

You can pair up to 5 phones to the Blueway and two phones can be used for hands free and Bluetooth audio at the same time.

The order of the first pairing is important because the Blueway will start to connect the firstly to the phone which can be found on the top of the paired phone list. Than it will continue until it has successfully connected to two devices or reached the end of the list.

The phone which will be found first will be the primary phone (marked with 1). The following connected device will be the secondary phone (marked with 2). If you would like to change the order of the devices, you need to delete the pairing history in the menu of the Blueway and do the pairing again starting with the phone which you would like to use as the primary phone.

To see the feature differences between the primary and secondary phones, please check this chart:

## BLUEWAY PHONE OPTIONS

	PRIMARY PHONE	SECONDARY PHONE
A2DP music streaming	✓	✓
Music control through the head unit	✓	✓
ID3 tag display	✓	✓
Media browsing	✓	✓
Caller ID display	✓	✓
Phonebook	✓	
Call history	✓	
Start hands free calls through the head unit	✓	
Start hands free calls through phone	✓	✓
Receive hands free calls through the head unit	✓	✓
Receive hands free calls through phone	✓	✓

### 4. DIP switches

With the DIP switches which can be found on the bottom of the Blueway, you can activate or deactivate Bluetooth options. Turn OFF the 5th DIP switch in order to disable the phone functionality. This is important if you would like to keep the factory phone module and would like to use it together with the Blueway.

By switching DIP 6 into OFF position, you can turn the media functions OFF. Do this, if you would like to keep the factory MDI and would like to use the Blueway only for hands free.

### 5. Volkswagen BAP

#### Accessing Menu:

Turn on the radio of your car and select 'Media in' by pressing the Media button. Pair your phone/phones with the Blueway. It will start to play the music content of your phone automatically.

On the main menu of the device, you can find the next options:

**Source:** In this menu you can select which one of the connected phones you would like to use for music streaming.

**Music:** Here you can browse the content of your phone through the Bluetooth connection.

**Paired phones:** In this menu, you can see all paired devices and you can find an option to delete the pairing history of the device.

If you select the name of a connected device, you can disconnect that from the Blueway. If you would like to connect a phone which was out of range or its Bluetooth was turned off at the initial scanning, you can connect it by selecting the name of that device in this menu. The primary phone is marked with "1", the secondary phone is marked with "2" before the name of the device.

**Settings:** In this menu, you can find the following options:

- **Volume:** You can change the output volume level and can modify the sensitivity of the microphone
- **Language:** You can change the language of the menu of the Blueway. Supported languages are: EN, DE, FR, IT, NL, ES, PT, TR, HU, PL, CZ, SK, RO
- **Phonebook:** Allows you to turn the phonebook synchronization of your primary phone ON or OFF.
- **Mobile phone ringtone:** Here you can select between the own ringtone of the phone and the three built in ringtones of the Blueway. (Please note: original ringtone support depends on the connected device)
- **About:** In this menu you can check the current firmware version of the Blueway

When you start the car, the Blueway will start to play the music content of the primary phone automatically. After connecting the primary phone, in the next 30 seconds, it will switch to the secondary phone automatically if any sound will be sent from that phone through Bluetooth.

#### Selecting the Music Source:

You can select the music source for playback in the Source Menu. In this menu, you see the name of the two connected Bluetooth devices.

#### Browsing in the Music menu:

You can use the Music menu to list the music content of the device which is selected in the source menu. The structure and language of this menu is phone dependent.

In case of Apple iPhone the factory music player needs to run in the background of the phone in order to browse the music content. If the application is not active you can get only limited controls through the Blueway.

#### Using the phone menu:

You can enter the phone menu by pressing OK on the steering wheel after you switched to the phone screen on the cluster display or by pressing the phone button on the radio. After you enter the phone menu, you see the following options:

- **Phonebook:** here you can see the phonebook of the primary phone. You can select a phone number from your address book to initiate a call. Contacts are shown in alphabetical order, grouped by the first letters of the surnames. Synchronization is possible up to 1500 phone numbers.
- **Received / Missed / Dialed call:** Provide access to the respective call logs.
- **Disconnect:** Disconnect the paired phone.

**Receiving and making phone calls:** When receiving an incoming call, the caller number or the corresponding contact name in your phonebook is displayed from both connected mobile phones. You can answer the call by pressing the Phone button on the steering wheel or by pressing the relevant touch screen button on the head unit. The music or radio gets muted and the audio of the call is directed to the speakers.

You can reject an incoming call by a long press of the Phone button, with the "OK" button on the steering wheel or by touching the red hang-up icon on the head unit.

To start a call from the primary phone, please select the phone number or contact from the Phonebook or from the call logs in the Phone menu and press the relevant touch screen button.

To make call from the secondary phone, you need to use the controls on the phone.

You can hang up an ongoing call in both cases by pressing the Phone button or the "OK" button on the steering wheel or the relevant touch screen button.

**Please note:** The system can control only one active hands free call at a time (because of the limitation of the standard head units). To avoid malfunctions, if there is an ongoing call on one of the connected devices the Blueway will not handle phone calls from the other connected phone. It means if there are two calls at the same time, than the second one needs to be handled by the original controls of the phone.

### 6. USB port functions

**Non-charging version:** The USB port can only be used for updating the firmware of the Blueway.

**Smart charging version:** It allows you to charge your phone in an adaptive (smart) way. It communicates with the phone to define the optimal charging value. This communication process takes about a minute, and the charging starts subsequently.

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### 9. Update and support

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