



## iCon Drive

iPod, Video, Bluetooth

ICO-9202-1



### 1. Introduction

The iCon Drive from Dension is a vehicle specific kit giving you a **brand new user experience**. You can play music from the connected iPod touch or iPhone, and all song related information - including cover art - can be displayed on the main radio screen.

**Video** content like podcasts, YouTube videos or downloaded content can be displayed also from iPod touch or iPhone. iCon Drive has an extra video input where external DVD player, rear cam or any other video capable device can be connected.

#### Compatibility

The iCon Drive is compatible with the following vehicles:

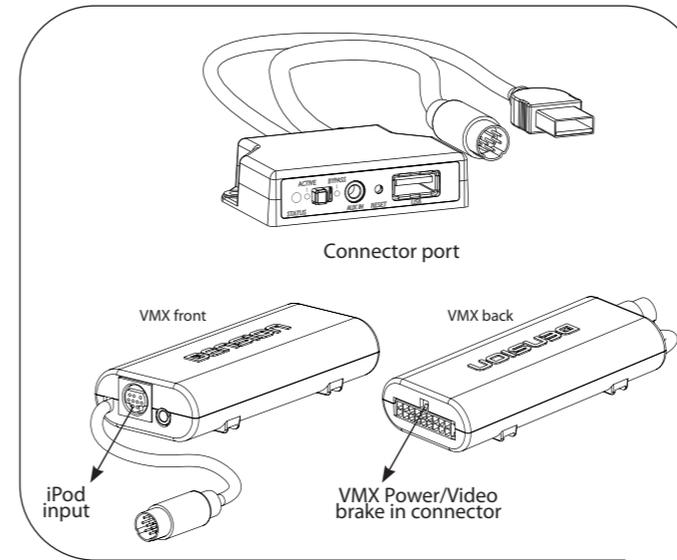
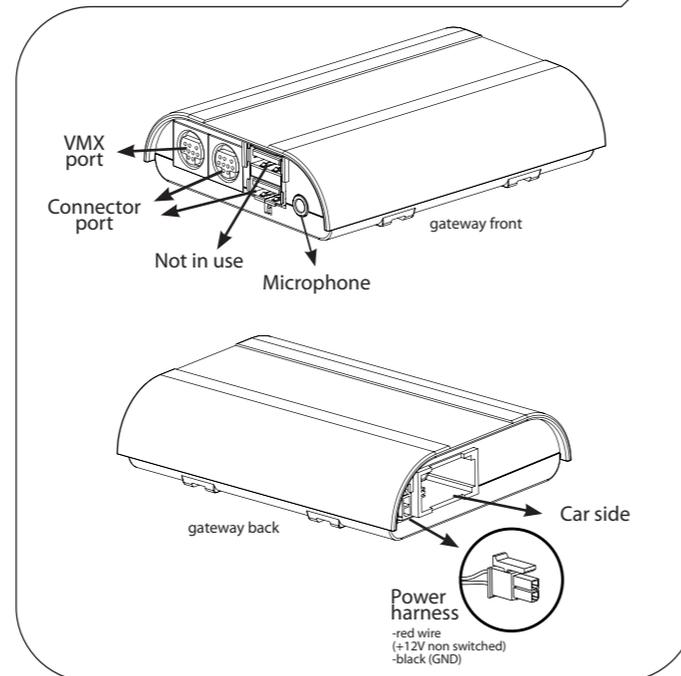
Model	Head Unit	Model Year
Audi A6	MMI 3	2009-2011
BMW 1, 3, 5, 6 & X5	I-Drive Professional (CCC, 8.8", dual slot)	2004-2009

#### Supported iPod / iPhone devices

iPod Touch (2nd , 3rd or 4th generation) iPhone, iPhone 3G / 3Gs & iPhone 4

#### Package content

- Gateway interface
- VMX (Video Mode extender) module
- VMX Power / Video brake-in harness
- GEN enabler tool
- Single fibre optic cable kit
- Specific Connector Port
- iPod / iPhone cable
- 3,5mm jack to RCA cable
- Instruction manuals (install/user)
- Microphone

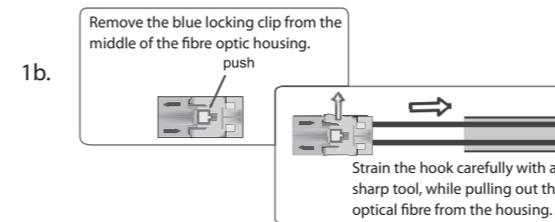
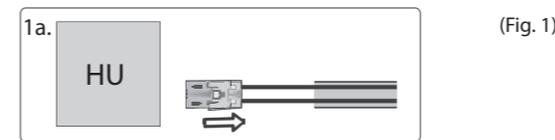


### 2. Device Installation

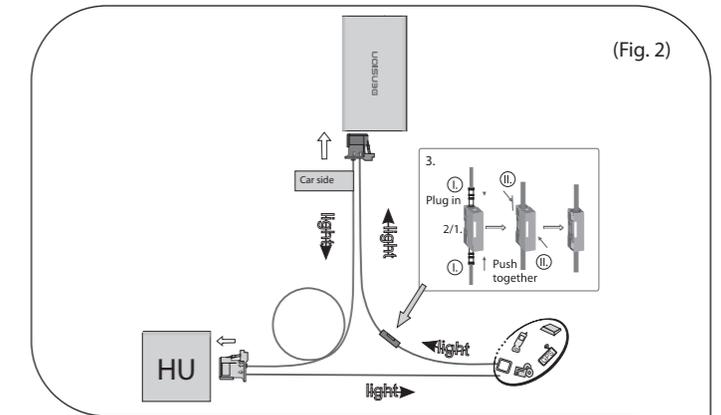
The iCon drive can be installed anywhere on the MOST ring, however in order to **avoid any compatibility or functional issues**, please make sure that the iCon drive is the **last connected device** on the MOST ring (Fig. 2). **Please note:** Installation of the iCon Drive is very complex, therefore please have it installed by Professional Installer.

#### MOST ring installation

Disconnect the fiber optic Male connector from the original interface (e.g. Head Unit) then remove the fiber optic housing from the Male connector and finally disconnect (Fig. 1) the fiber optic fibre (the one which is marked to be the 'signal in' cable - with an arrow) as it is shown below



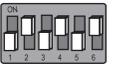
Connect that optical wire (use the optical male /male inline connector) with the 'signal in' cable of the Dension device. The optical fiber 'signal out' fibre of the Dension device must be connected to the original optic housing. Finally, take the Male connector and connect it to the original interface. At the end of the installation please make sure that the light directions of the MOST optical ring are correct.



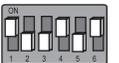
### Set the DIP switches on the hardware

On the bottom of the Gateway hardware you can find configuration switches. Depending on your car make and controller type (for BMWs) you need to use different settings.

Audi A6 (MMI 3 High Color)

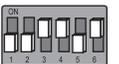


BMW E87, E90, E91, E92, E93, E60/61, E63/64, E70 with I-drive Professional (CCC, 8.8" dual slot)



"Roll Over" type

BMW E87, E90, E91, E92, E93, E60/61, E63/64, E70 with I-drive Professional (CCC, 8.8" dual slot)



"Controlled" type

With BMWs the iDrive control can be different depending on the browsing mechanism. You have a "Roll Over" type controller, if your iDrive can be rotated even if you have reached the last item in the menu. You have a "Controlled" type if the iDrive joystick cannot be moved further after the last menu item.

**Please note:** DIP switch #6 is designed and used for phone function. If you want to use the factory phone instead of the iCon drive phone option, please leave that DIP switch (#6) OFF. Remove (loop) the factory phone from the MOST ring (if available) if the iCon Drive device will be used for phone functions as well.

The iCon drive hardware installation is slightly different in Audis and BMWs.

### Audi

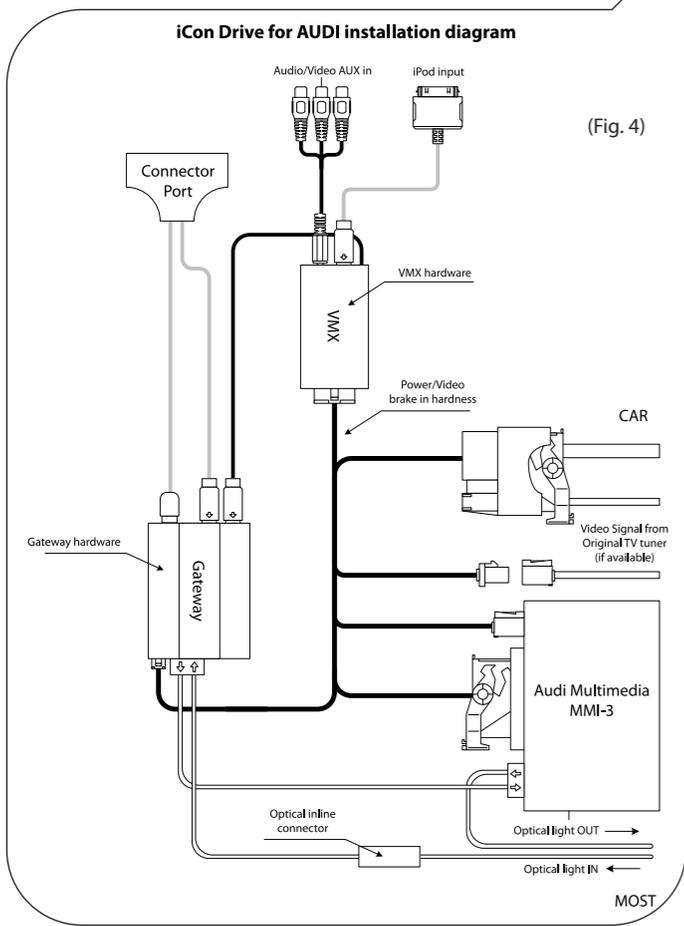
First, carefully remove your vehicle's existing 'Audi Multimedia' device (which is located in the glove box compartment) as described in the factory instructions and using the correct tools.



Remove the original Quadlock harness and replace it with our cable. Connect the original female Quadlock harness (which was removed from the Multimedia device) onto the male end of our cable.



Disconnect the video cable from the Multimedia device (if available) and connect our video cable. The original must be connected to the VMX video-in socket. For further details, please check the hardware installation diagram. (Fig. 4)



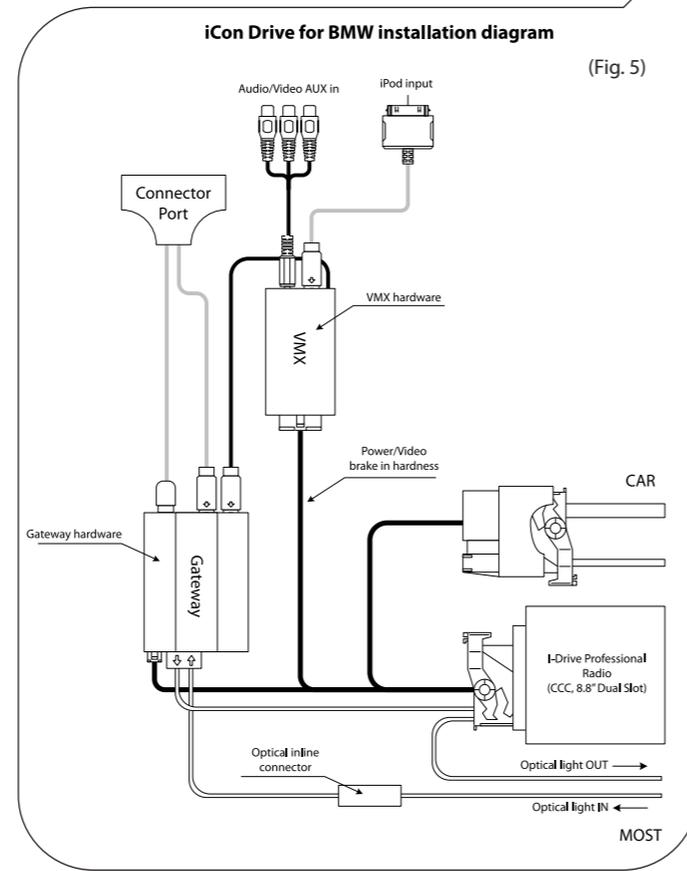
Connect the VMX module and the connector port to the Gateway hardware. When all devices and cables are **connected and powered** (as it can be seen on the above diagram) you can continue with the next step, which is the enabling procedure by **GEN enabler**.

## BMW

First carefully remove the Head Unit (radio) module from the dashboard as described in the factory instructions and using the correct tools.



Remove the optical cable and the Quadlock connector. Follow the recommended installation on Fig 2., connect our Quadlock cable to the Head Unit and connect the original female Quadlock to the male end of our cable. For further details, please check Fig. 5.



Connect the VMX module and the connector port to the Gateway hardware. When all devices and cables are **connected and powered** (as it can be seen on the above diagram) you can continue with the next step, which is the enabling procedure by **GEN enabler**.

## 3. HOW TO USE THE GEN TOOL

At first you need to use the GEN enabler tool for enabling the TV-Tuner and VIM (Video in Motion) functions. The Activator tool is delivered in a ready-to-enable state, which means that when plugging the Activator tool into a vehicle, it will perform the enabling process automatically. Please follow the steps below:

Turn the **ignition ON** and connect the Activator tool to the **OBD connector**. The enabling procedure starts immediately and takes approx. **1 minute**. During the enabling procedure the status signal LED is flickering yellow (**Do not remove within this time**). When the enabling procedure is finished successfully the LED will turn to permanent green (**Now it is safe to disconnect**).



After the activation procedure turn your Audio System OFF (turn ignition OFF, remove the car key and close the doors) and wait approximately 2-3 minutes. After the required time period you can test the system functionality if the Gateway was already installed.

The Activator tool is capable of enabling almost all BMW and Audi (only A6 at the moment) vehicles with a CCC Professional or MMI3 system, (see the compatibility table above). However, there may be very specific vehicle configurations and set-ups where the Activator tool is not operational and the enabling procedure cannot be completed. In such cases the LED on the Activator tool turns RED at the end of the enabling procedure (after 2-3 minutes). In this case please make sure that the ignition was turned ON.

If the problem still persists after retrying, please contact your local supplier or open a ticket at [www.dension.com/support](http://www.dension.com/support).

*Alternatively the necessary functions (TV-Tuner and VIM) can be programmed by dealer or other car service.*

### Important note

Once the Enabler Tool is utilized the Enabler gets linked to the car it was installed on.

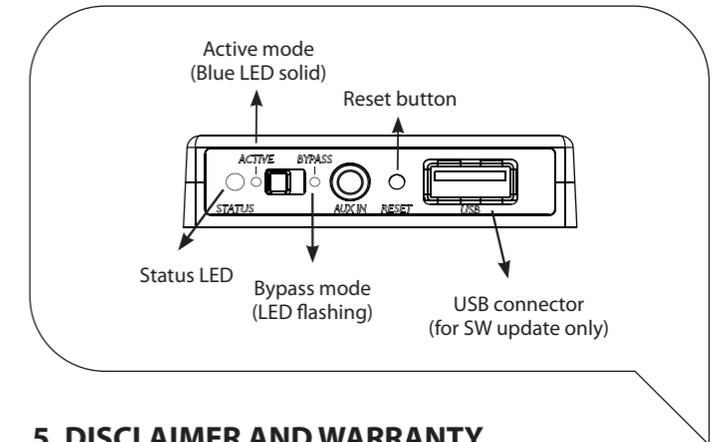
### Therefore:

- You cannot enable multiple cars with a single GEN tool.
- Keep the GEN tool with the owner of the Gateway as it may be needed in the future

## 4. CONNECTOR PORT

On the connector port there is a mode selector switch, which lets you to toggle between two different modes Active / Bypass mode. In Bypass mode (LED flashes), the iCon drive will be fully 'invisible', so no functions - as media playback from iPod or the phone - will be accessible. **Use this mode if:**

- 1, You want to use the original TV-tuner (if available)
- 2, If the **car is taken in for service**



## 5. DISCLAIMER AND WARRANTY

### Disclaimer

The Activator tool does not have all vehicle diagnostics and configuration functions that are available in other diagnostics tools. It is meant to help gateway installations only and to work on the majority of BMW and Audi cars.

Despite all efforts and several tests, Dension and its authorized distributors and retailers cannot guarantee for all vehicles that by using the Activator tool there is no need for enabling with a professional diagnostics tool. The Activator tool can in many cases replace the enabling functions of a professional diagnostics tool, but in no way replaces the professional skills of a trained installer.

If your car's electrical system begins to behave erratically, please disconnect the Activator tool and the Gateway interface 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.

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

### 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.

### Further assistance

If you need further assistance in using your Dension product, please contact your local supplier or visit [www.dension.com](http://www.dension.com) and click on 'Support'.

If any problem arise during the activation procedure, please check the download section for the latest firmware version and product documentation, as these may provide additional features, compatibilities or descriptions.