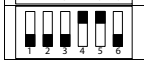
M2.Connect DIP switch settings

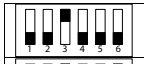
Porsche

	Radio	Bluetooth Audio Streaming	
		Via CD-Changer	Via Sat Radio
	PCM		
	PCM	✓	
	PCM		✓

Audi

	Radio	Bluetooth Audio Streaming	
		Via CD-Changer	Via Sat Radio
	MMI 2G	✓	
	MMI 2G		✓
	MMI 2G	-	-

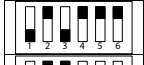
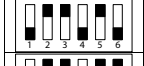
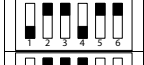
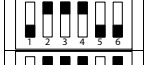
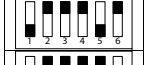
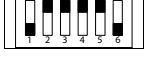
BMW & Mini

	Radio	Region	Bluetooth Audio Streaming	
			Via DAB	Via Sat Radio
	Any	USA		✓
	Any	USA		
	Any	Europe	✓	
	Any	Europe		

Landrover

	Radio	Bluetooth Audio Streaming Via Sat Radio
	Any	✓
	Any	

Mercedes Benz

	Radio	Region	Bluetooth Audio Streaming	
			Via CD-Changer	Via Sat Radio
	COMAND	USA	✓	
	COMAND	USA		✓
	COMAND	USA		
	COMAND	Europe	✓	
	COMAND	Europe		
	COMAND (2004 or prior)	Europe	✓	
	COMAND (2004 or prior)	Europe		
	COMAND (2004 or prior)	USA	✓	
	COMAND (2004 or prior)	USA		✓
	COMAND (2004 or prior)	USA		
	Audio20/Audio50	USA	✓	
	Audio20/Audio50	USA		✓
	Audio20/Audio50	USA		
	Audio20/Audio50	Europe	✓	
	Audio20/Audio50	Europe		

mObridge Application Note
AUDI CODING
Audi A8 U.S.

For Telephone Coding and Gateway Coding for mObridge products, refer the Table of Contents sections below.
The items shown in **bold red** are the units that are of interest/importance to mObridge ABT2010 installation.

This Car's Basic Options (as a case example)

Basic options:

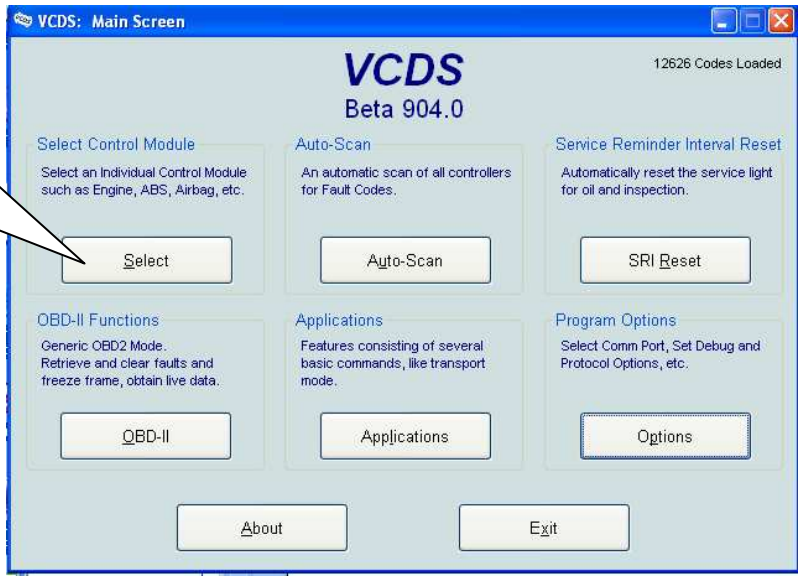
Bluetooth	= YES
Bang & Olufsen	= YES
Telematics	= NO (Audi stopped offering OnStar in U.S. cars after 2005)
Audi Music Interface (AMI)	= YES
6CD Changer (CDC)	= YES
Rear Entertainment	= NO
Backup Cam	= YES
TV Tuner	= NO (not offered as U.S. option)
Navigation	= YES (all A8/S8 should have Navi and MMI-High MOST)

Ross-Tech VAG-COM VCDS and CODING WARNING

VAG-COM / VCDS is one particular 3rd party tool that can access the Audi-VW diagnostics and do the coding, as long as you know somewhat what you are doing. **DO NOT CODE A MODULE WITHOUT KNOWING WHAT YOU ARE CODING AS YOU CAN MAKE THE MODULE INOPERABLE.**

Entry Screen – Select Control Module

To read or code individual control modules, e.g., Telephone, you want this.



MMI Software Version for Telephone Operation

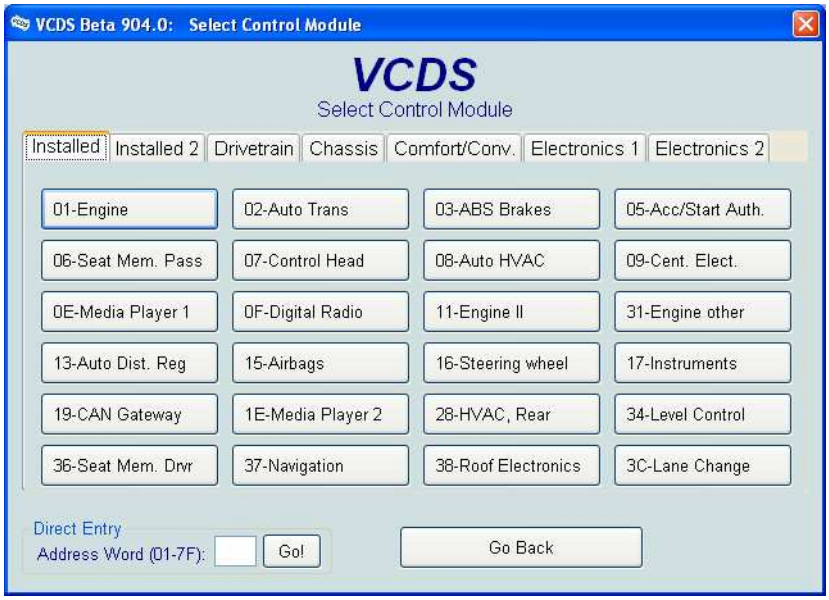
It is important to note that for correct Bluetooth operation of the mObridge Bluetooth kit that the MMI software needs to be above a particular software level. Early A8 and A6 vehicles that have never had a software update from the dealer will find that their Bluetooth does not operate correctly. It is highly recommended having at least software in the US variant vehicles above the 2740 as a minimum. US vehicles are highly recceoemdned to have 3360 or 4140. Rest of World vehicles are recommended to have 5150 or 5170 software as the latest software installed.

Software upgrades can be easily done by the dealer with an update CD through the CD changer.

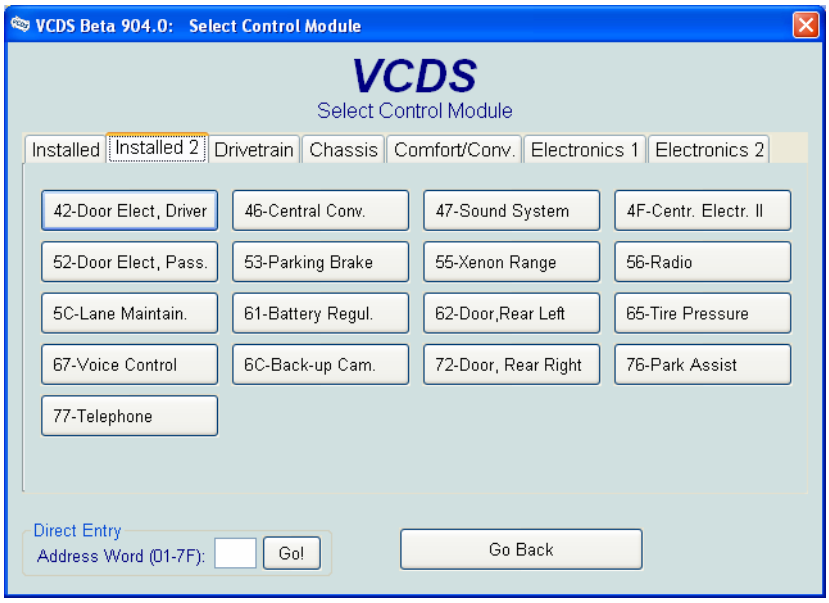
Select Control– Installed Modules

Shows the modules that are available according to options/features in this particular model/car.

TAB 1:

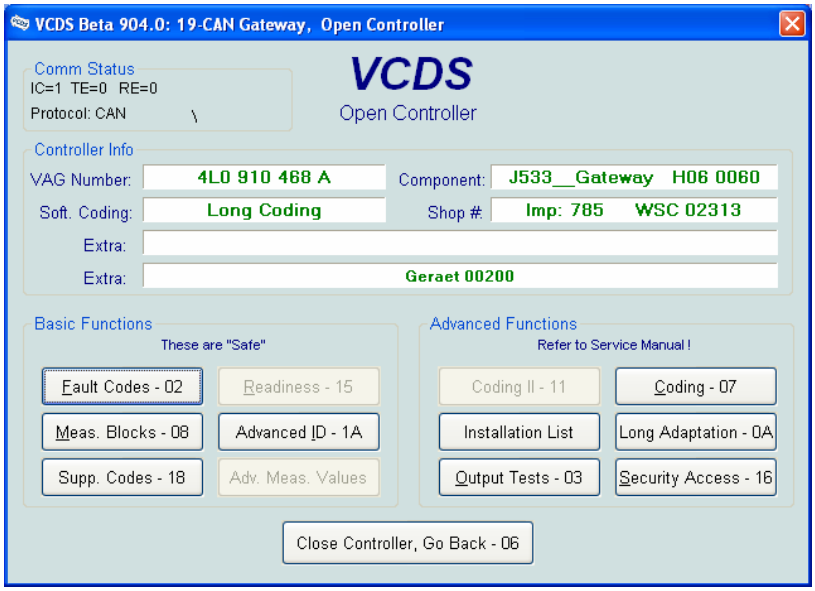


TAB 2:

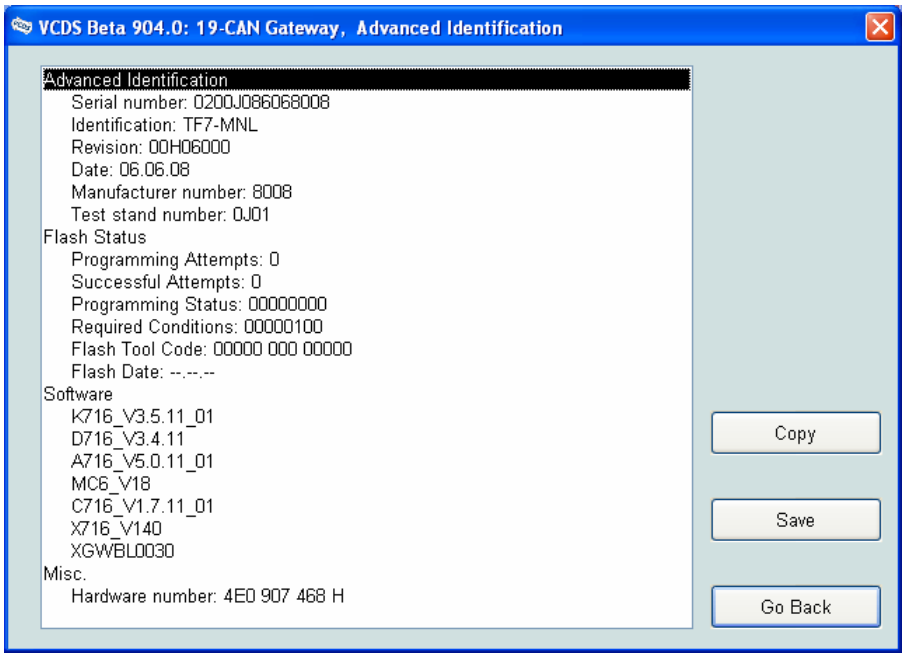

VCDS Beta 904.0: Select Control Module
VCDS
Select Control Module
Installed
Installed 2
Drivetrain
Chassis
Comfort/Conv.
Electronics 1
Electronics 2
42-Door Elect, Driver
46-Central Conv.
47-Sound System
4F-Centr. Electr. II
52-Door Elect, Pass.
53-Parking Brake
55-Xenon Range
56-Radio
5C-Lane Maintain.
61-Battery Regul.
62-Door,Rear Left
65-Tire Pressure
67-Voice Control
6C-Back-up Cam.
72-Door, Rear Right
76-Park Assist
77-Telephone
Direct Entry
Address Word (01-7F):
Go!
Go Back

19: CAN Gateway (IMPORTANT)!

CAN Gateway coding is also VERY important to features Bluetooth / Telephone Coding. If they're not coded correctly in the CAN Gateway then very likely the CAN gateway isn't going to pass important information to and from MOST such as MMI controller, instrument cluster display (KOMBI) and Steering Wheel.



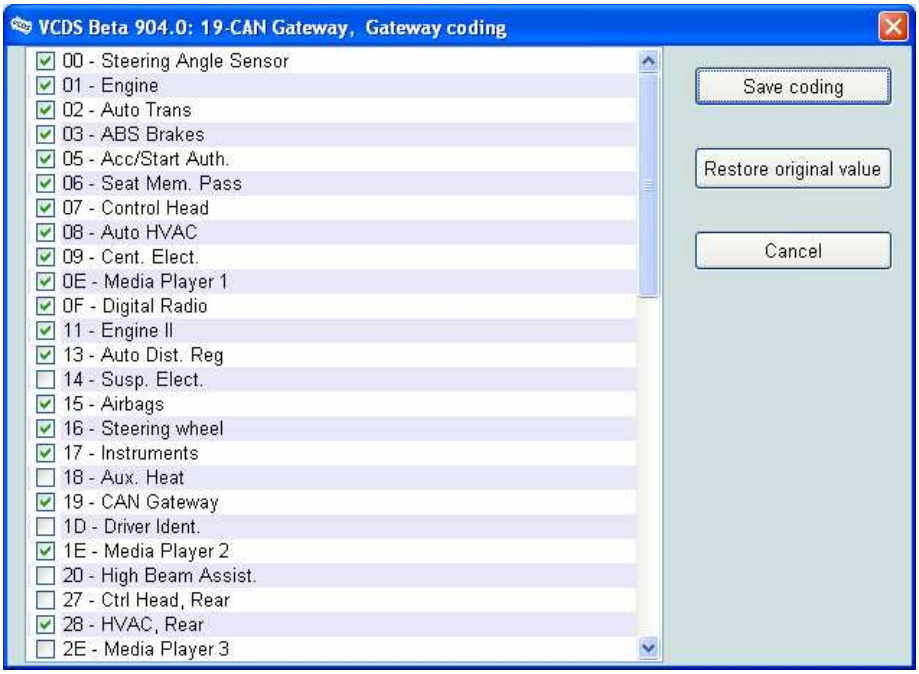
Advanced ID - Versions



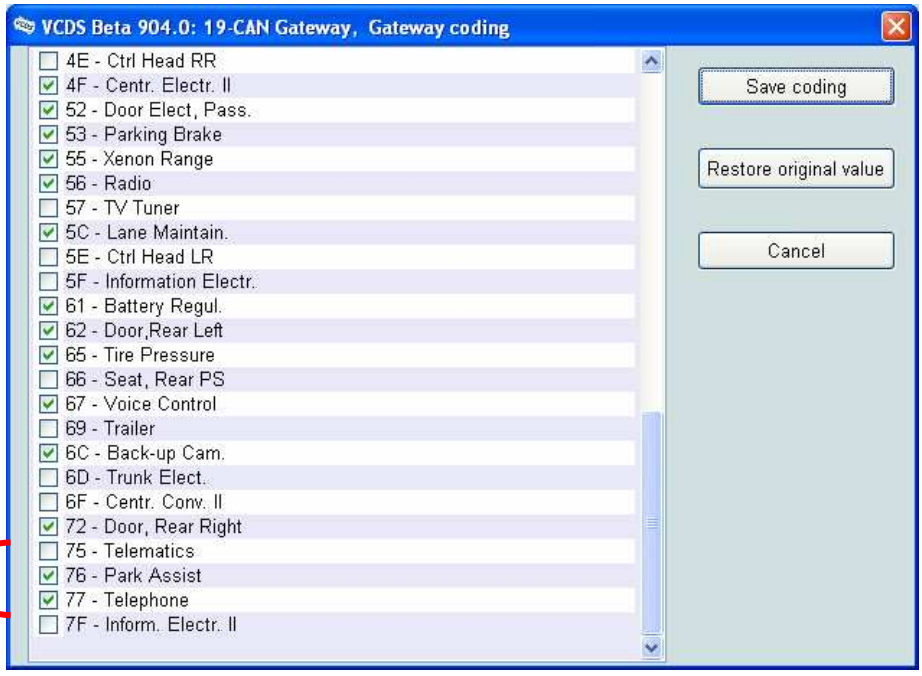
Installation List

Features Installed / Coded in the CAN Gateway.
See also later in document reading out Gateway Installations List as another way to check this.

PAGE 1:



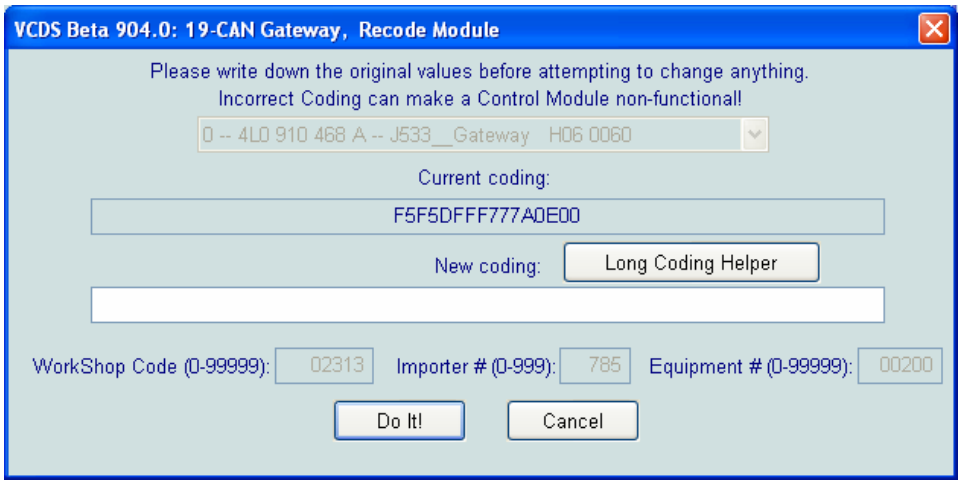
PAGE 2:



Notice Telematics not installed, Telephone installed.

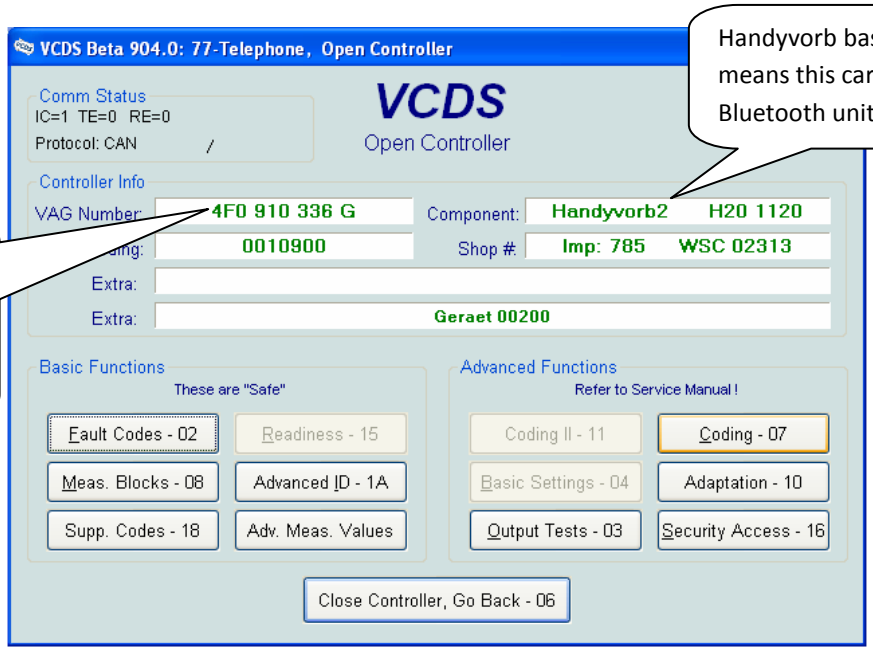
Coding

There isn't anything significant to do or read in the coding of the gateway.
This should be handled in the Installations List for the gateway. See also later in document about reading Gateway Installations List as another way to check this.



77: Telephone

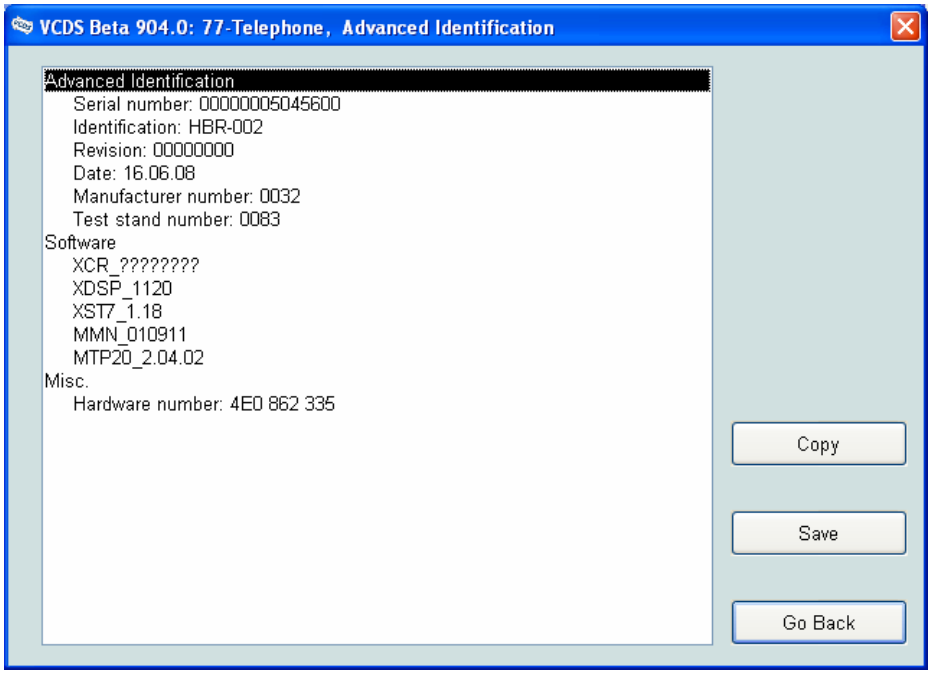
This is for Bluetooth after approximately 2005.



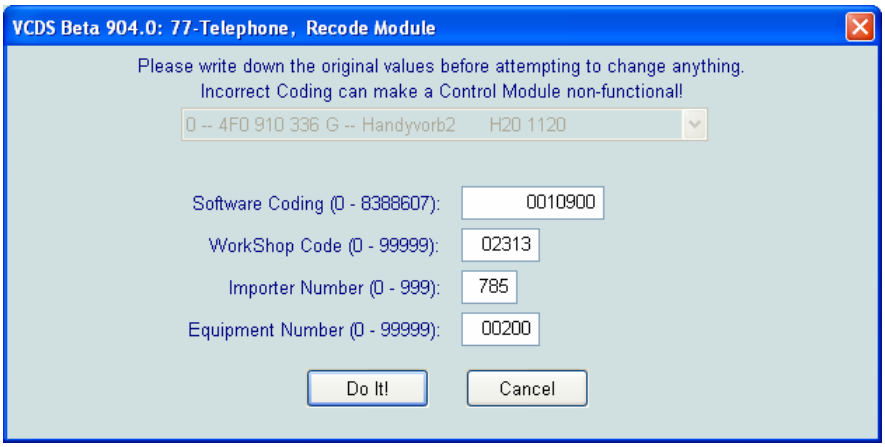
Handyvorb basically means this car has a Bluetooth unit.

A web search on this part # can often tell you more exactly what the module is (e.g., specific generation of part, etc)

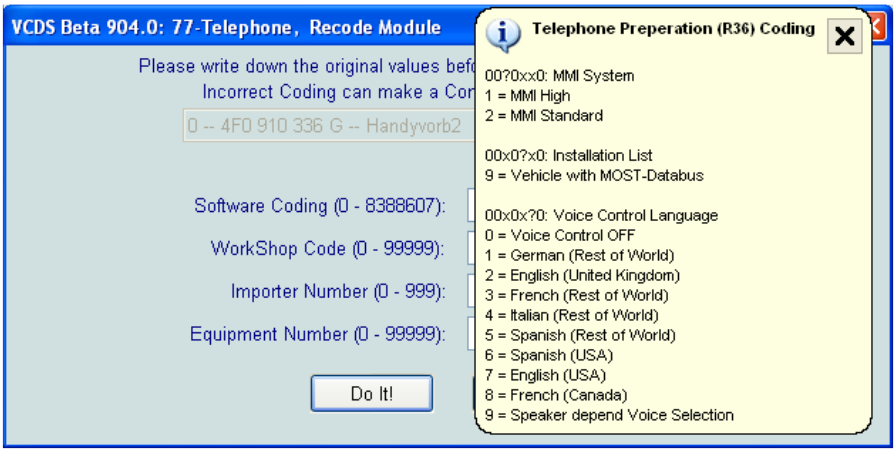
Advanced ID - Versions



77: Telephone - Coding



Coding 0010900



0010900 means:

- **MMI High**
- **Vehicle with MOST bus**
- **Voice Control Off (don't believe this is correct, but in any case try to leave the language alone if at all possible unless you are clear what the coding means)**

mObridge – APPLICATION REFERENCE for Audi MMI-MOST software versions

- **APPLIES TO: mObridge Bluetooth ABT2010-AUD-F for Audi MMI-MOST**

APPLICATIONS:

Model	Model Years	Compatible Radios	Limitations
A6	**05**-09	Audi MMI on MOST	
A8	**04**-08		
Q7	07-09		
RS6	08-09		
S6	07-09		
S8/R8	08-09		
Allroad	08-09		Model not available in U.S.

CAR menu

Background:

Audi MMI on MOST, particularly in 2004-2006 models, had "buggy" Bluetooth/telephone software. Installer should always check the Audi MMI software version in the car prior to sales/installation to determine if a software update to the Audi MMI system will be required.

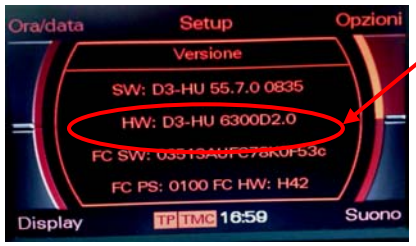
Procedure:

Determine the Audi MMI main software version. Under car settings (setup) menus, you should find the main MMI version. Try button 'Car' then under Setup > Version. On the top line should read something like:

Example versions:
SW: D3-HU 6300 07.7.0 0406
(means version 0770 – needs updating)

SW: D3-HU 33.6.0 0632
(means version 3360 – new enough, OK)

(12-digit format) (8-digit format)
SW: D3-HU XXXX YY.Y.Y.ZZZZ or YY.Y.Y ZZZZ
(see photo to the right, example has MMI software version 5570, which is new enough to support BT/telephone)



main Audi MMI software version – this example it's version 5570 which is new enough to properly support telephone/BT.

The YY.Y.Y is what you are looking for, this is the main MMI software 'index' or version:

- If it's between 0500 and 2860 the MMI software is **too old** to properly support BT/telephone and **needs to be updated**. Dealer can do this or it can be done with Audi parts CDs/DVDs.
- If it's somewhere at least 3600 or 4200, the MMI is probably sufficiently up-to-date (at least new enough not to be so buggy with BT/telephone).

After the Audi MMI has been ensured to be properly up-to-date, you can proceed* with installation.

*(*NOTE: one other 'gotcha' with Audi MMI installations: make sure there is not an existing MOST BT/telephone unit. Typically in Audis this is under the driver's seat, protected in a plastic box with other ECU's. The Audi MMI system, like any other MOST system, is not designed to accommodate more than one telephone unit. A conflicting telephone unit must by bypassed using a MOST bypass loop or inline connector on the fibers.)*

mObridge – BLUETOOTH and iPod: APPLICATION REFERENCE for BMW vehicles

- **mObridge Audio A2010 series (iPod + Aux)**
- **mObridge Bluetooth ABT2010 series (Bluetooth + iPod + Aux)**

expanding life's capabilities

support@mobridge-usa.com

Background:

Because of the range of headunits and capabilities in BMW, application requires deeper treatments.

Identifying the Vehicle's Equipment (to determine kit part nos. and capabilities):

Headunit Type	CCC (iDrive Nav Professional) [Navi/Premium Package]	M-ASK (iDrive Business)	ASK (iDrive in 7-series)	Professional Radio & MINI Radio
Photo And Identifying Characteristics	 Note: DVD and CD slot, 8" widescreen, Navigation.	 Note: CD slot ony, 6" narrow screen. U.S. models don't have Nav.	 Note: 8" widescreen, single slot, 7-series only	 
Found In Years/ Models	2004-2009 5, 6-series 2006-2008 3-series 2007-2009 1-series	2004-2009 5, 6-series (some non-US 3-series may also have)	2002-2005 7-series	2006-2009 3-series 2007-2009 1-series 2007-2009 MINI Coupe/Clubman From Mar/2009 MINI Convertible
Supports CD/MP3 Text for iPod browsing	Yes, CD/MP3 text and folder browsing.	2004-early/2005 models: No* Late/2005-2009 models: Yes	No*	Yes, CD/MP3 text and folder browsing
A2010 iPod+Aux	A2010-BMW-F	2004: A2010-BMW-NMP3 2005-2009: A2010-BMW-F	A2010-BMW-NMP3	A2010-BMW-N
ABT2020 Bluetooth + iPod + Aux-In	ABT2010-BMW-F	2004: ABT2010-BMW-NMP3 2005-2009: ABT2010-BMW-F	INQUIRE: *as of time of publication, Bluetooth not compatible on 7-series*	ABT2010-BMW-N

**No: mObridge supports what's called "numbered playlist" browsing. Browsing the iPod can be done through the CD changer's discs, or unlock the iPod through mObridge's convenience functions (CD #6). See Audio user's manual page 17 for further information on this method of operation.*

Is the car ready for iPod (through 6-CD Changer CDC interface) and OR Bluetooth?

Please note that the A2010 series product currently only runs through the CDC Function Block on BMW and thus the car either needs to already have (already active/enabled/"coded" for) CDC or needs to be coded for (e.g., **BMW *retrofit coding*** procedure using most likely the Autologic aftermarket tool like EAS has). mObridge's latest software has BMW diagnostics in it so theoretically even the dealer tester (BMW DIS) can code the car up with mObridge in the loop but you may find that either the service managers or techs will shy away from this or they throw their hands up if they run into anything at all unexpected and say "doesn't work" (for this reason, for the time being until we all get more experience with the dealers on this we might recommend shying away from actual BMW dealers unless they are very friendly to it and they really understand it).

IN ORDER TO FIT ABT2010 BLUETOOTH, ALL VEHICLES REQUIRE RETROFIT CODING FOR TELEPHONE/BLUETOOTH.

FITTING THE iPod FUNCTION IN BMW:

Does the vehicle have existing 6-disc CD-changer (CDC)?

YES. No additional enablement required for iPod capability.
The iPod simply takes the place of the existing CDC (single-disc in dash is never affected). Refer to mObridge's install instructions for BMW.

NO. PROCEED TO CODING FOR CDC.

The vehicle must be activated or enabled ("*retrofit coding*") for CDC by proper equipment.

1st Best option for retrofit coding for aftermarket equipment: locate an Autologic tester for BMW (www.autologic.us). The Autologic tester can *retrofit code* the car for CDC. Some earlier 5-series and 6-series can also be software updated for MP3/CD capability (take iPod extension…BMW-F).

2nd Best option: the BMW / MINI dealer (e.g., BMW DIS tester) can *retrofit code* the car for CDC using an actual factory/dealer-fit CDC in place while coding (most dealers only willing to do this if customer pays for CDC install) Then install mObridge in place of the CDC.

3rd Best option: in some cases, the BMW DIS tester and a skilled tech may be able to retrofit code the car without having the actual CDC and even with the mObridge installed in the system as CDC. As of Jan-2009, consult mObridge for latest software that has BMW diagnostic software capability that allows for easier retrofit coding by the dealer even using the mObridge piece as CDC.

Locating/Identifying the CDC:

- **1-series, 3-series, MINI:** Toward the side of the trunk (CDC was optional or dealer-install, not very common)
- **5-series, 6-series:** at the back of the glovebox (CDC was optional or dealer-install, common in about 50% of cars)
- **7-series:** passenger side of dash, flap above glovebox (CDC was optional in U.S. cars but almost 100% of cars have it)

User Manual

Bluetooth user installation instruction booklet

MOST | Bluetooth®

Contents

mObridge BLUETOOTH

The mObridge unit connects your iPod to your Vehicle head-unit via the optic-fiber MOST® Network.

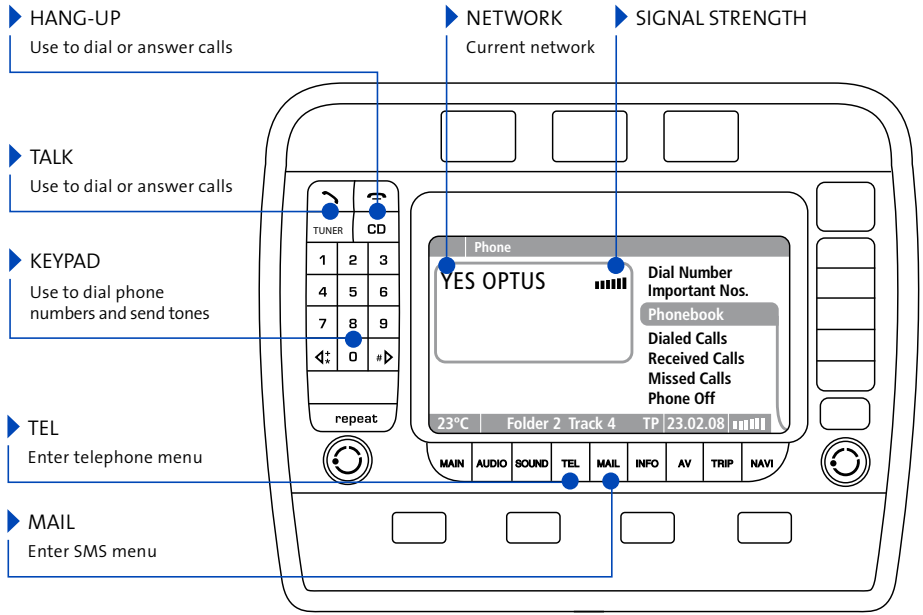
Parrot

Welcome to mObridge Bluetooth

mObridge Bluetooth is the most advanced after-market phone kit available for vehicles equipped with the MOST bus. Not only does it integrate Parrot Bluetooth technology for best-in-class phone support, it also integrates our popular iPod and auxiliary audio interface to be a complete multi-media gateway. And best of all it seamlessly integrates with your existing vehicle radio and steering wheel controls for a factory-fitted effect.

Head Unit Telephone Menu

The Telephone Menu is displayed when the TEL button on the head unit is pressed.



Connecting your phone to mObridge Bluetooth

Phone pairing

Before you can use your mobile phone with mObridge Bluetooth, you will first need to pair it with your mObridge unit. By pairing your phone with mObridge, you create a bond between the devices that allows mObridge to automatically connect to your phone, download the phonebook, make calls. Pairing your phone with mObridge is a simple operation. The pairing process is done using your mobile phone.

Note: mObridge can support a maximum of 5 paired devices. If you want to pair a 6 device, the 5th paired device will automatically be deleted.

Note: Bluetooth re-connection time may take longer if more than one device is currently paired to the unit.

01 Turn on your vehicle's ignition so that the head unit system is powered

02 Using your phone, start a search for Bluetooth devices.

03 mObridge should show up as a found device on your phone.

04 Using your phone, pair with mObridge. The passkey will be "1234" unless mObridge has been configured to use a different passkey by the installer.

05 mObridge will now be paired with your device. For some phones you will now need to connect to mObridge manually the first time using your phone, but in most cases mObridge should now automatically connect to your phone.

06 Your phone and phonebook should now be accessible on your head unit!

Consult your phone's user manual for pairing instructions specific to your phone.

Deleting paired devices

At any time you can view your list of paired devices in the CD6 Bluetooth menu (mObridge Combo only). A currently connected device will be marked with an asterisk next to its name.

To delete a paired device via CD6 menu (mObridge Combo only) navigate to the Bluetooth->Delete Device menu in CD6 of your disk changer.

After turhing off Bluetooth on your phone, select "Delete <phone menu> from the fake phonebook on your radio and press "dial".

Making and Receiving Calls

Calls can be made and received directly from your head unit and steering wheel controls. You can also dial directly from the phone.

01 Enter the Telephone menu using the TEL button.

To make calls

02 Select Dial Number to manually dial a phone number using number keys on the head unit screen.

03 Select Important Nos. to dial a number that you have stored in the head unit.

04 Select Phonebook to select and dial numbers from your phonebook.

05 Select Dialed Calls to dial a number from the last-dialed list.

06 Select Received Calls to dial a number from the last-received list.

07 Select Missed Calls to dial a number from the list of missed calls (see figure 01).

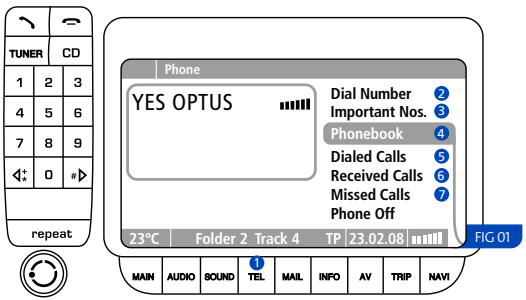


FIG 01

To answer calls

An incoming call will cause the radio to mute and a ring tone to be audible. An incoming call display will appear on the head unit.

To answer the incoming call, press the Talk Button, or select Answer. To reject a call, select Refuse (see figure 02).

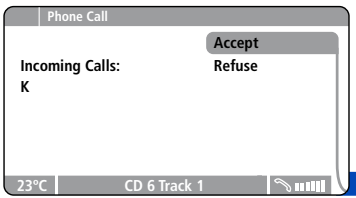


FIG 02

To hang-up calls

Press the Hang-up Button on the head unit, or select End Call from the head unit Telephone menu (see figure 03).

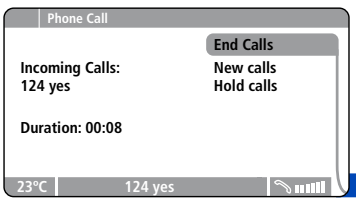


FIG 03

Phonebook

mObridge Bluetooth provides full phonebook synchronization between supported phones and the head unit display.

A list of your phonebook entries to scroll appears, and you can select and dial the entries (see figure 04).

Note: Porsche only supports 150 phonebook entries.

Note: Mercedes, BMW and Audi support 1000 phonebook entries.

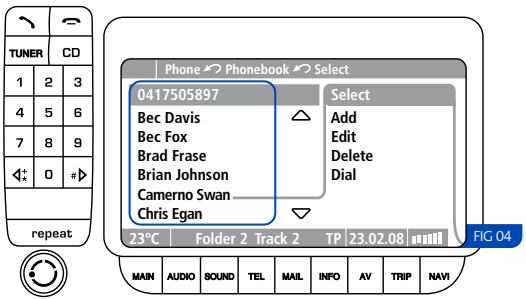


FIG 04

Synching your phonebook

Once your phone is paired and connected, mObridge will automatically begin synching your phonebook entries for display on the head unit, provided it is on the supported phones list.

For some phones you will need to manually allow the synchronization to occur by pressing "OK" on the phone.

Note: The Porsche head unit maintains its own list of Last Dialed, Last Called, and Last Received entries.

Streaming Audio from your Bluetooth device (mObridge Combo only)

mObridge Bluetooth allows you to stream high-quality Bluetooth audio from your phone or Bluetooth- compatible mp3 player directly into your car.

mObridge ABT2010 supports the A2DP profile to do this. The current audio source needs to be changed to A2DP in the CD6 menu. To do this, long press FFWD to cycle through the available options of Aux In, iPod, and A2DP under track 3 of the CD6 Aux / Menu list.

Select A2DP to select Bluetooth audio. Then simply play a track from a connected audio device.

Phonebook Bluetooth Control

The mObridge Bluetooth unit provides the ability to connect or delete Bluetooth devices through phonebook control.

Phonebook control is automatically enabled when no Bluetooth devices are connected. The Head Unit will display a number of phonebook entries depending on how many devices have been paired to the mObridge Bluetooth unit. Phonebook access will vary depending on vehicle type. Please consult the vehicles user manual for use on the telephone interface.

Once the phonebook has been accessed and the paired devices are displayed, the user can then dial the specific entry to either connect a different device or delete a paired device. It may take a number of seconds for the phonebook to update but after deleting devices the phonebook will reflect the new list of paired devices.

The figure below illustrates the phonebook control with two devices that have been paired. By dialing one of the phonebook entries a specific device will either be connected or deleted (see figure 05).

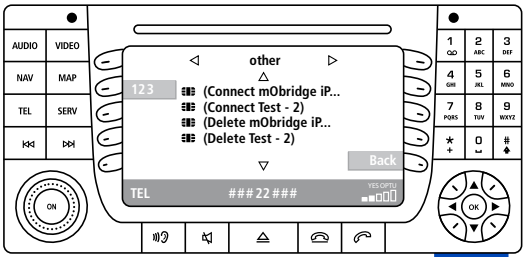


FIG 05

The figure below illustrates connecting a specific device by dialing this phonebook entry (see figure 06).

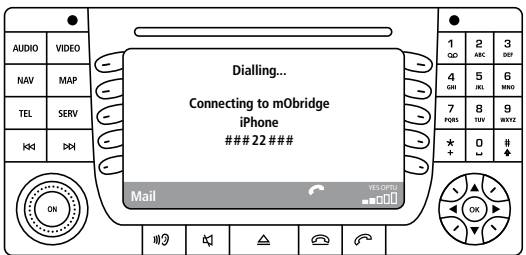


FIG 06

To delete a paired device from the mObridge Bluetooth unit the user can dial the entry that corresponds to the device. The figure below illustrates dialing the entry "(Delete Test – 2)" to remove the device "Test – 2" from the Bluetooth list of devices (see figure 07).

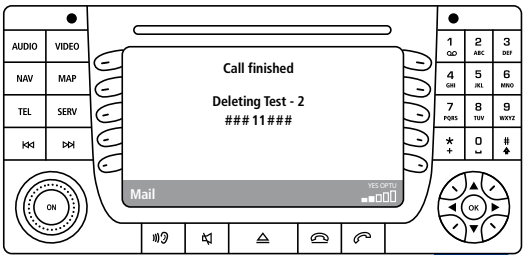


FIG 07

Note: BMW Bluetooth control is achieved through the normal vehicle Bluetooth interface and does not contain the phonebook control. Please consult your vehicles user manual for control of these features.

Note: Audi Bluetooth control is achieved through the normal vehicle Bluetooth interface and does not contain the phonebook control. Please consult your vehicles user manual for control of these features.

Bypass Switch

The bypass switch is provided to allow for the mObridge unit to become 'invisible' on the MOST vehicle bus system. The main use of this function is to facilitate dealer services when the diagnostic computer is in use and to ensure the mObridge unit does not interfere with the vehicle diagnostics.

The function can be enabled by toggling this switch 5 times. Once the bypass feature has been activated, the MOST bus will be broken for 2 seconds and the feature cannot be activated again for a further 10 seconds.

Once the bypass switch has been activated, it will remain activated across power cycles until the bypass is de-activated by toggling the switch again 5 times within a 5 sec time frame.

Warranty

Your mObridge audio interface is warranted against any manufacturing defects for a period of 12 months from purchase. Any part of the mObridge audio interface may be replaced or repaired at the discretion of the manufacturer after such part is deemed to have a manufacturing fault.

If you have any questions about your mObridge audio, please contact your local service agent, whose details are attached to the back page of this user instruction manual.

FCC information (for US customers only)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interface by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Warning: Any changes or modifications not expressly approved by mObridge, Inc. could void the user's authority to operate this equipment.

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MOST Installation Guide

iPod & Bluetooth Installation Instruction Manual

Introduction

mObridge A2010/A2011 iPod solution emulates a CD Changer and uses CD Changer controls to access off-board audio sources including iPod and AUX devices. If your car is not already equipped with a CD Changer, it may be necessary to have the car programmed by your dealer in order to use the mObridge A2010/A2011 with it. CD Changer retention is not supported.

mObridge ABT2010/ABT2011 iPod and Bluetooth solution is an A2010/A2011 plus the additional functionality of Bluetooth hands-free connection in vehicle, by emulating the Bluetooth controls already featured. If you car is not already equipped with a Bluetooth system, it may be necessary to have the car programmed by your dealer in order to use the mObridge ABT2010/ABT2011 with it. CD Changer retention is not supported.

mObridge M1000-M-BT1 Bluetooth solution emulates the Bluetooth controls featured in the vehicle. If you car is not already equipped with a Bluetooth system, it may be necessary to have the car programmed by your dealer in order to use the mObridge M1000-M-BT1.

mObridge M1000-M-DA1 Digital Pre-Amp offers digital signal directly into an aftermarket sound processor via TOSLINK, it maybe necessary to have the car programmed for Factory amplifier by your dealer in order to use the mObridge M1000-M-DA1.

For system setup please see: mObridge WIZARD Guide

Programming the car for mObridge products:

AUDI

- A2010 – no coding is required
- ABT2010/M1000-M-BT1/DA1 – MMI software should be updated to 3360 to 4200 (YYYY)

BMW

- A2010/ABT2010/M1000-M-BT1/DA1 – ALL BMW vehicles are required to be "coded" - ie have CD Changer enabled in the vehicle. This requires some knowledge and access to Autologic diagnostic tool.

LAND ROVER

- A2011/ABT2011/M1000-M-BT1/DA1 – Generally no programming is required but in some cases (e.g. no device was connected onto the optical ring) it is needed to enable a Bluetooth with service computer.

MERCEDES BENZ

- A2010/ABT2010/M1000-M-BT1/DA1 – Generally no programming is required but in some cases (e.g. no device was connected onto the optical ring) it is needed to enable a Bluetooth/CD Changer with StarDiagnose tool.

MINI

- A2010/ABT2010/M1000-M-BT1/DA1 – ALL BMW vehicles are required to be "coded" - ie have Bluetooth/CD Changer enabled in the vehicle. This requires some knowledge and access to Autologic diagnostic tool.

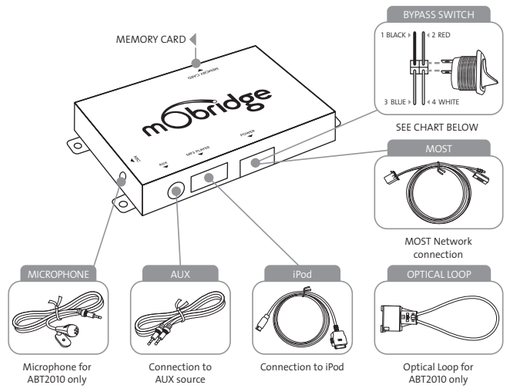
PORSCHE

- A2010/ABT2010/M1000-M-BT1/DA1 – Generally it is needed to enable a Bluetooth/CD Changer with the PIWIS service computer but in rare cases the PCM accept the mObridge without this enabling process.

PLEASE NOTE PROGRAMMING VARIES BY REGION

A2010/11 | ABT2010/11 | XMD-A2010

Package Content & Electrical Installation

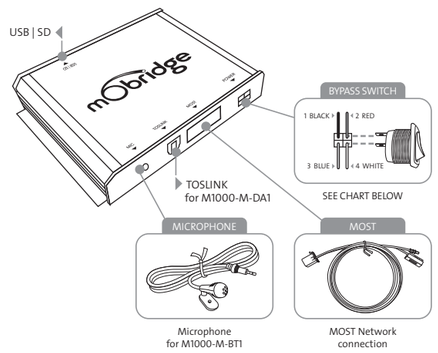


WIRE | COLOUR	DESCRIPTION	USE IN A2010/11 I ABT2010/11 I XMD-A2010
1 | Black	GND (Battery - GND)	Ground (Battery --) Terminal 31 Klemme 31 / Kl.30
2 | Red	Constant 12V	Power (B+ constant) Terminal 30 Klemme 30 / Kl.30
3 | Blue	varies	**Not used**
4 | White	bypass or "valet" input	"Valet" MOST bypass switch

Please Note When Servicing Your Vehicle You must set the mode selector switch to service mode (bypass CD Changer) postion otherwise the service computer may detect an unknown device in the fiber optic system which can lead to errors reported.

M1000-M-BT1 | M1000-M-DA1

Package Content & Electrical Installation

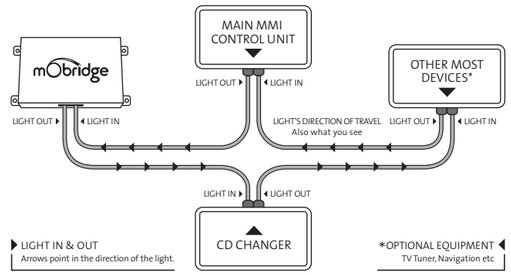


WIRE | COLOUR	DESCRIPTION	USE IN M1000-M-DA1	USE IN M1000-M-BT1
1 | Black	GND (Battery - GND)	Ground (Battery --) Terminal 31 Klemme 31 / Kl.30	Ground (Battery --) Terminal 31 Klemme 31 / Kl.30
2 | Red	Constant 12V	Power (B+ constant) Terminal 30 Klemme 30 / Kl.30	Power (B+ constant) Terminal 31 Klemme 31 / Kl.30
3 | Blue	varies	Remote Amp Trigger Output	**Not used**
4 | White	bypass or "valet" input	"Valet" MOST bypass switch	"Valet" MOST bypass switch

Please Note When Servicing Your Vehicle You must set the mode selector switch to service mode (bypass CD Changer) postion otherwise the service computer may detect an unknown device in the fiber optic system which can lead to errors reported.

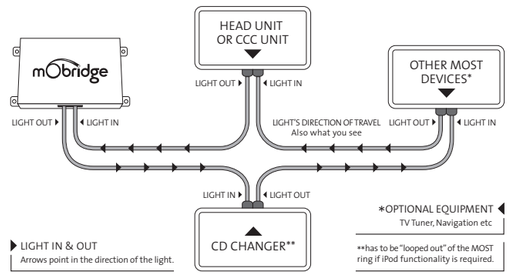
Installation Notes ▸ AUDI

Please see: Audi vehicle compatibility chart for application guide.



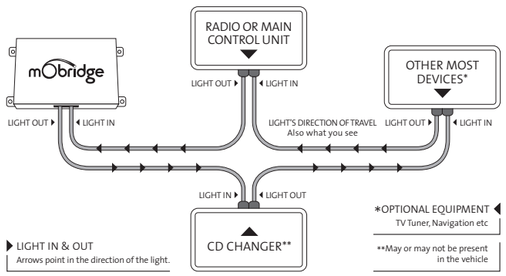
Installation Notes ▸ BMW

Please see: BMV vehicle compatibility chart for application guide.



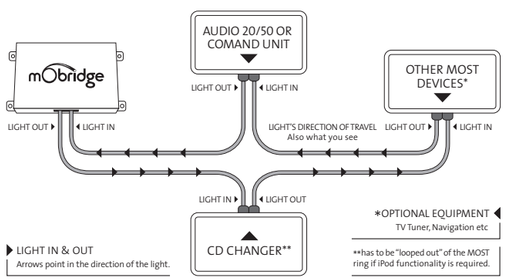
Installation Notes ▸ Land Rover

Please see: Land Rover vehicle compatibility chart for application guide.



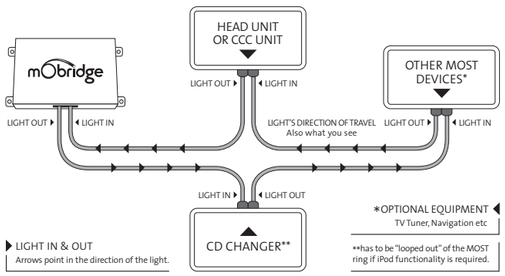
Installation Notes ▸ Mercedes Benz

Please see: Mercedes Benz vehicle compatibility chart for application guide.



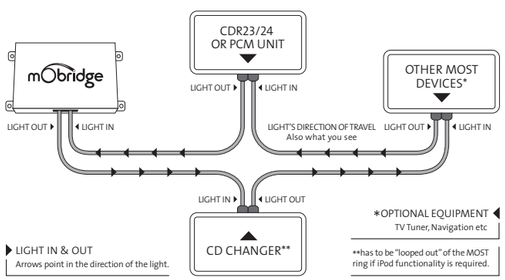
Installation Notes ▸ MINI

Please see: MINI vehicle compatibility chart for application guide.



Installation Notes ▸ Porsche

Please see: Porsche vehicle compatibility chart for application guide.



▸▸ mObridge Update Wizard

1 Installation of mObridge Update Wizard

The mObridge Update Wizard allows you to configure and update mObridge devices to suit different vehicles via four different methods:

- Memory Card
- USB Cable (this method will be used for future product releases)
- iPod Cable Adaptor
- Bluetooth (with mObridge Bluetooth products)

Operating System requirements: PC running Windows XP, Vista & Windows 7

The wizard can be downloaded from www.mobridgeinc.com/node/109
Download and save the file to your computer, open the file and follow the installation instructions.

To open the Wizard go to Start ▸ All Programs ▸ mObridge ▸ mObridge Update Wizard

2 Using the Update Wizard

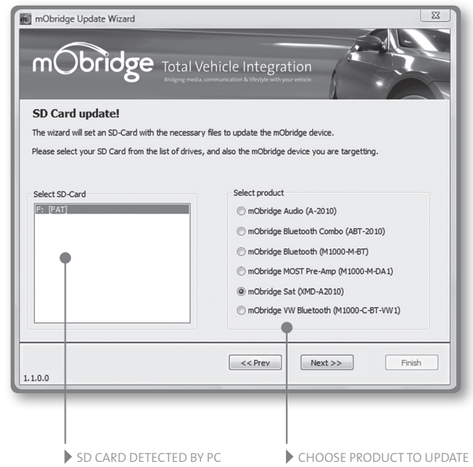
Once the wizard has been opened it lists three different ways to update the device:

- iPod Cable Adaptor
- Bluetooth
- Memory Card

▸▸ Updating via Memory Card

If you are going to use the Memory Card method please insert/connect a blank SD CARD which has been formatted to FAT. Micro SD cards are not compatible.

Once the memory card has been detected by the PC it will appear in the window.



▸▸ Updating via Memory Card

This page allows you to configure the mObridge device to suit the vehicle.

The page shown to the right relates to updating a mObridge ABT2010.

It has Bluetooth settings which will not be available when configuring non-Bluetooth capable products.

Across is a list of options that each configuration tab gives you.

- Vehicle: Audi, BMW, BMW (Non-MP3), Landrover, Mercedes, Mini, Porsche, SAAB
- Variant: Europe, North America

- iPod: Enable/Disable
- iPod Browse: First Playlists, Numbered Playlists, Full Folder Browsing

- Bluetooth Pin: DO NOT CHANGE THIS OPTION
- Auto-connect/disconnect on key-in: Enable/Disable
- Dummy phonebook for BT control: Enable/Disable
- BT control via CDC: Enable/Disable
- Advanced BMW phonebook (for CCC): Enable/Disable

- Mic Gain: 0-15 (default is 4)
- Bluetooth Volume: 0-15 (default is 15)
- Ring Volume: 0-15 (default is 15)
- Prompt Volume: 0-15 (default is 15)
- A2DP Volume: 0-63 (default is 63)

CONTINUED ▸

▸▸ Updating via Memory Card

Once you have chosen the configuration options that are required for your vehicle push the NEXT button at the bottom of the page. A file will then be written to the SD card.

The SD card can now be ejected from the computer and inserted in the mObridge device as per the following instructions:

- 01 Install mObridge device into the vehicle as per the installation instructions.
- 02 Turn the vehicles ignition ON and make sure the radio is on.
- 03 Insert the SD card into the mObridge device.
- 04 Leave the SD card in the mObridge device for 10 minutes and then eject it.
- 05 Turn vehicle ignition OFF and wait for the MOST bus to go into "sleep" mode*
- 06 Turn vehicle ignition back ON and verify the correct operation of the mObridge device.

*MOST bus "sleep" times vary from vehicle to vehicle. The easiest way to tell if it in "sleep" mode is to connect an iPod to the mObridge device and wait until it stops charging. Once it has stopped charging the iPod, it is in "sleep" mode.

▸▸ Updating via iPod Adaptor Cable & Bluetooth

The iPod adaptor cable is the easiest and fastest way to update a mObridge device. iPod adaptor cables can be ordered from www.mobridgeinc.com

The first time you install the iPod update cable to a PC, the driver software will also need to be installed. Windows will normally find the driver software for you and install it automatically.

Once this is completed you are now ready to update the mObridge device.

Follow the instructions below:

- 01 Open mObridge Update Wizard.
- 02 Select iPod cable adaptor as the desired update method and push NEXT.
- 03 If the driver software has been installed correctly and the iPod cable adaptor is connected to the PC it will show up on the next page as FT232R USB UART.
- 04 Turn the vehicles ignition ON and make sure the radio is on.
- 05 Make sure the iPod dock cable is connected to the mObridge device.
- 06 Connect the iPod cable adaptor to the iPod dock cable.
- 07 Now push the NEXT button.
- 08 You will then see a screen that says Connecting...
- 09 Once the wizard has established communication with the mObridge device a screen will appear with two buttons labelled UPDATE and CONFIGURE.
- 10 Choose the CONFIGURE option to update the mObridge devices settings.

CONTINUED ▸

Across is a list of options that each configuration tab gives you.

- Vehicle: Audi, BMW, BMW (Non-MP3), Landrover, Mercedes, Mini, Porsche, SAAB
- Variant: Europe, North America

- iPod: Enable/Disable
- iPod Browse: First Playlists, Numbered Playlists, Full Folder Browsing

- Bluetooth Pin: DO NOT CHANGE THIS OPTION
- Auto-connect/disconnect on key-in: Enable/Disable
- Dummy phonebook for BT control: Enable/Disable
- BT control via CDC: Enable/Disable
- Advanced BMW phonebook (for CCC): Enable/Disable

- Mic Gain: 0-15 (default is 4)
- Bluetooth Volume: 0-15 (default is 15)
- Ring Volume: 0-15 (default is 15)
- Prompt Volume: 0-15 (default is 15)
- A2DP Volume: 0-63 (default is 63)

- 11 Once you have chosen the configuration options that are required for your vehicle push the NEXT button at the bottom of the page.
- 12 The mObridge device will now be updated. The wizard will re-establish its connection with the mObridge device and you can verify that the settings have been updated correctly.
- 13 Turn vehicle ignition OFF and wait for the MOST bus to go into "sleep" mode*
- 14 Turn vehicle ignition back ON and verify the correct operation of the mObridge device.

*MOST bus "sleep" times vary from vehicle to vehicle. The easiest way to tell if it in "sleep" mode is to connect an iPod to the mObridge device and wait until it stops charging. Once it has stopped charging the iPod, it is in "sleep" mode.