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.	of
The items shown in bold red are the units that are of interest/importance to mObridge ABT2010 instal	lation.
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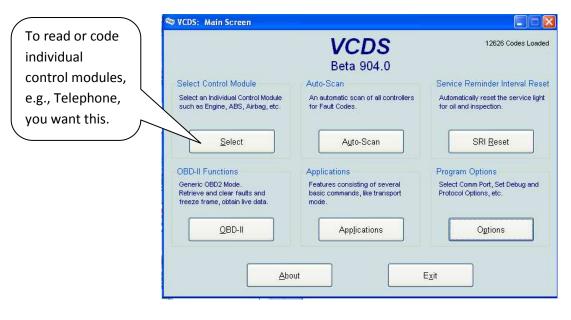
This Car's Basic Options (as a case example)

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, <u>as long as you know somewhat what you are doing</u>. **DO NOT CODE A MODULE WITHOUT KNOWING WHAT YOU ARE CODING AS YOU CAN MAKE THE MODULE INOPERABLE**.

Entry Screen – Select Control Module





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 recceemended 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.

	Select Co	CDS ntrol Module	as 1 Flastranias (
01-Engine	02-Auto Trans	omfort/Conv. Electroni	05-Acc/Start Auth
06-Seat Mem. Pass	07-Control Head	08-Auto HVAC	09-Cent. Elect.
0E-Media Player 1	OF-Digital Radio	11-Engine II	31-Engine other
13-Auto Dist. Reg	15-Airbags	16-Steering wheel	17-Instruments
19-CAN Gateway	1E-Media Player 2	28-HVAC, Rear	34-Level Control
36-Seat Mem. Drvr	37-Navigation	38-Roof Electronics	3C-Lane Change



🔍 VCDS Beta 904.0: Selec	t Control Module		
	VC	DS	
	Select Cor	ntrol Module	
Installed Installed 2 D	rivetrain Chassis C	omfort/Conv. Electroni	cs 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.

🕸 VCDS Beta 904	1.0: 19-CAN G	ateway, Open Co	ntroller				\mathbf{X}
Comm Status IC=1 TE=0 RE= Protocol: CAN	=0		CDS Controller				
Controller Info							
VAG Number:	4L0 91	10 468 A	Component:	J533_Ga	teway	H06 0060	
Soft. Coding:	Long	Coding	Shop #	Imp: 785	i Ws	SC 02313	
Extra:							
Extra:	Extra: Geraet 00200						
Basic Function	s These are "Saf	e"	Advanced	l Functions Refer to S	ervice Ma	nual !	
Eault Code	s - 02 🛛 🔹 🛛	eadiness - 15	Coo	ling II - 11	<u>(</u>	Coding - 07	
Meas. Block	(s - 08 Ac	lvanced <u>I</u> D - 1A	Insta	llation List	Long	Adaptation - OA)
Supp. Code	s - 18 🛛 🗛	/. Meas. Values	Outpu	t Tests - 03	<u>S</u> ecu	rity Access - 16	
Close Controller, Go Back - 06							

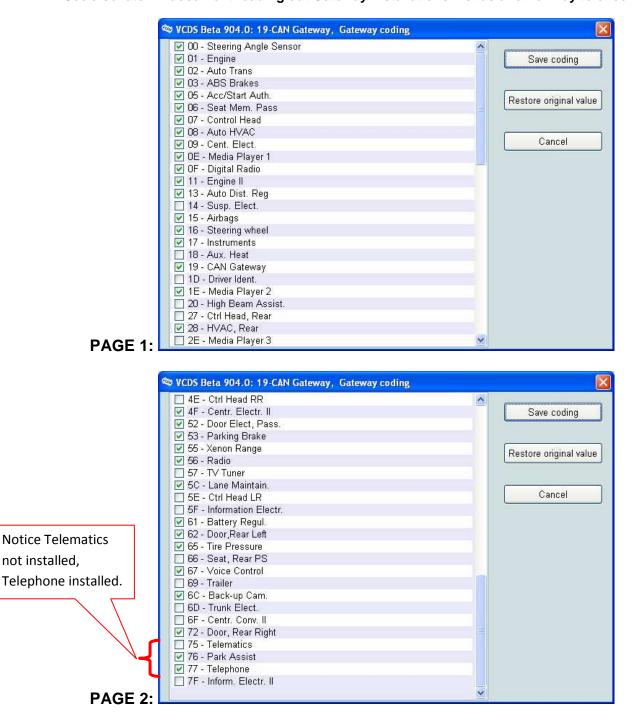
Advanced ID - Versions

VCDS Beta 904.0: 19-CAN Gateway, Advanced Identification	
Advanced Identification	
Serial number: 0200J086068008	
Identification: TF7-MNL	
Revision: 00H06000	
Date: 06.06.08	
Manufacturer number: 8008	
Test stand number: 0J01	
Flash Status	
Programming Attempts: 0	
Successful Attempts: 0	
Programming Status: 0000000	
Required Conditions: 00000100	
Flash Tool Code: 00000 000 00000	
Flash Date:	
Software	
K716 V3.5.11 01	
D716 V3.4.11	Сору
A716 V5.0.11 01	
MC6 V18	
C716 V1.7.11 01	
X716 V140	Save
XGWBL0030	
Misc.	
Hardware number: 4E0 907 468 H	
	Go Back



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.





Coding

There isn't anything significant to do or read in the coding of the gateway.

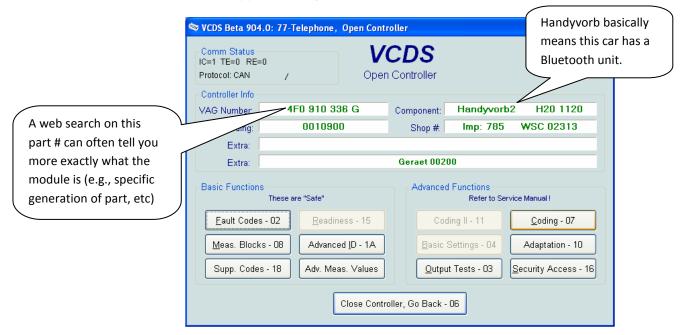
This should be handled in the Installations List for the gateway. See also later in document about reading <u>Gateway Installations List</u> as another way to check this.

VCDS Beta 904.0: 19-CAN Gateway, Recode Module
Please write down the original values before attempting to change anything. Incorrect Coding can make a Control Module non-functional!
0 4L0 910 468 A J533Gateway H06 0060 💉 👻
Current coding:
F5F5DFFF777A0E00
New coding: Long Coding Helper
WorkShop Code (0-99999): 02313 Importer # (0-999): 785 Equipment # (0-99999): 00200
Do It! Cancel



77: Telephone

This is for Bluetooth after approximately 2005.



Advanced ID - Versions

VCDS Beta 904.0: 77-Telephone, Advanced Identification	
Advanced Identification Serial number: 00000005045600 Identification: HBR-002 Revision: 00000000 Date: 16.06.08 Manufacturer number: 0032 Test stand number: 0083 Software XCR_??????? XDSP_1120 XST7_1.18 MMN_010911 MTP20_2.04.02	
Misc. Hardware number: 4E0 862 335	Сору
	Save Go Back



77: Telephone - Coding

VCDS Beta 904.0: 77-Te	lephone, Recode Module			×
	te down the original values be orrect Coding can make a Co			
04	1F0 910 336 G Handyvorb2	H20 1120	~	
Soft	ware Coding (0 - 8388607):	0010900		
V	/orkShop Code (0 - 99999):	02313		
	Importer Number (0 - 999):	785		
Equi	pment Number (0 - 99999):	00200		
	Do It!	Cancel		

Coding 0010900

VCDS Beta 904.0: 77-Telephone, Recode Module	🕦 Telephone Preperation (R36) Coding 🗙
Please write down the original values before Incorrect Coding can make a Cor	UU?UXXU: IMIMI System
0 4F0 910 336 G Handyvorb2	2 = MMI Standard
	00x0?x0: Installation List 9 = Vehicle with MOST-Databus
Software Coding (0 - 8388607):	00x0x?0: Voice Control Language
WorkShop Code (0 - 99999):	0 = Voice Control OFF 1 = German (Rest of World)
Importer Number (0 - 999):	2 = English (United Kingdom) 3 = French (Rest of World)
Equipment Number (0 - 99999):	4 = Italian (Rest of World) 5 = Spanish (Rest of World)
Do It!	6 = Spanish (USA) 7 = English (USA) 8 = French (Canada) 9 = Speaker depend Voice Selection

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)