

# Audi

## **Installation Instructions**

Version 1.1

**Bluetooth Gateway M1000-C-BT1-AUD1**



## Kit Contents:

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- Bluetooth ECU
- Microphone
- Vehicle Interface Loom
- Operating Manual

## Tools/Ancillaries Required:

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- Panel Removal tools
- Torx screwdriver
- Vehicle Diagnosis Computer,  
e.g. VAS 5052 or PC with VCDS VAG-COM software
- Double Sided fixing tape

## Vehicle Requirement:

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Installation can be carried out in vehicles with the following specification:

- Multi Function Steering Wheel & Driver Information Display (DIS) with either of the following Audio systems: **Chorus 2+, Concert 2+, Concert 3, Symphony 2+, Symphony 3, RNS-E**  
**OR**
- Vehicles WITHOUT Multi Function Steering Wheel and Driver Information Display (dis) with the following audio systems **RNS-E**

When fitted to vehicles WITHOUT Multi Function Steering Wheel and Multi Function Display Plus (MFD+) the Phone System operation is limited to the head unit controls.

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## Procedure:

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### **PLEASE NOTE:**

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- Installation of the Integrated Bluetooth Hands-free Phone System should be carried out by a competent workshop. Special tools, diagnostic equipment and special literature specific to the car is required for fitting.
- Incorrect installation can result in damage to the vehicle or the product.
- After completing the installation the car must be coded for operation with the Bluetooth system using a diagnostics, measuring and information system
- Secure all cables and harnesses so that they cannot come into contact with any rotating or other moving parts and so that they cannot chafe on any sharp metal or plastic edges.

## **1.1 General preparation of the vehicle for installation of the components**

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- Switch off the ignition and all electrical equipment
- Remove the radio/radio navigation system (refer to vehicle repair manual)
- Remove any existing hands-free phone system that is connected to the CANBUS wiring and do not re-install it as it will conflict with the Bluetooth Gateway system.

## 1.2 Mounting the Bluetooth ECU

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- Clean the underside of the Bluetooth ECU with a clean towel and alcohol, and then attach double sided fixing tape to the underside of the Bluetooth ECU.
- Mount the ECU with the sockets facing upwards (if ECU is to be mounted vertically) so that the plugs cannot fall out.
- Please see pictures **Section 1.8** for vehicle specific ECU mounting positions.

## 1.3 Routing the Vehicle Interface Loom

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- Route the QUADLOCK Plug/Socket end of the Vehicle Interface Loom from behind the head unit to the location of the Bluetooth ECU.
- Secure the Vehicle Interface Loom using the supplied cable ties within the dashboard to the existing wiring/wiring looms.

## 1.4 Connecting the Vehicle Interface Loom to the Radio/Radio Navigation unit.

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- With the Radio/Radio Navigation unit removed, connect the socket side of the Vehicle Interface Loom to the plug that usually connects to the radio/radio navigation system.
- Connect the plug side of the vehicle interface loom to the radio/radio navigation unit.

## 1.5 Microphone Installation

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- Please see **Section 1.9** for vehicle specific Microphone mounting positions.
- Clean surface that the microphone is to be mounted to with alcohol and clean towel.
- Once the Microphone is mounted in the correct position, route the cable to the Bluetooth ECU location.
- Secure the microphone cable using the supplied cable ties within the dashboard to the existing wiring/wiring looms.
- Connect the microphone plug to the Bluetooth ECU 2.5mm microphone socket.
- Bundle any spare microphone cable together and cable tie to the Vehicle interface loom.

## 1.6 Coding the vehicle for Telephone

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- Connect a vehicle diagnosis, measurement and information system to the vehicle.
- Select the operating mode “Self Diagnosis”

**NOTE:** ‘X’ denotes digits in the coding which vary depending on the vehicle

## Head Unit Coding

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The following head units require coding, if not listed here they do not need coding.

- **RNS-E Head Unit**

Address 56 (Radio)

OXXX?XX- Digit marked ? Has to be changed to **7**

The RNS-E head unit need to have a software index of at least 350.

RNS-E RESET After coding you need to complete a RESET of the head unit.

Please turn the device off. When the head unit is turned back on keep the ON/OFF button held down for 45 seconds until the head unit resets.

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- **Concert 2+, Symphony 2+**

Address 56 (Radio)

0?XXXXX- Add **4** to the existing value of ? (e.g. 3 to 7)

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- **Concert 3, Symphony 3** – only for **A4 8K, A5 8T, A5 8F, Q5 8R**

Address 56 (Radio)

-Select Coding

-Select master

-Select Byte 3

-Change value of Byte 3 from 10000000 to 10000010

Address 47 (Sound system)

- only for **A4 8K, A5 8T, A5 8F, Q5 8R** with **B&O sound system**

-Select Byte 3

-Set Bit 0 to 1

-Set Bit 1 to 0

## Chassis Coding

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- Chassis **A4 8E** and A6 4B  
Address 17 (Instrument cluster)  
Channel 62, add 2 to the existing value (e.g. 17 to 19)

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  - Chassis **A4 8E**  
Address 16 (Steering Wheel)  
02XXX- change 02XXX to 03XXX

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  - Chassis **A6 4B** and **A8 4D**  
Address 16 (Steering wheel)  
0XXX2- change 0XXX2 to 0XXX1

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  - Chassis **A38P,TT8J,A48K,A58T,A58F,Q58R**  
Address 19 (CAN gateway)
    - Select Address 19 – Diagnostic Interface Databus
    - Select Coding
    - Option 77 Telephone
    - Set option 77 to coded.
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## 1.7 Functional test and final fitting

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- Check the function of the Integrated Bluetooth Hands-Free Phone System by pairing a mobile telephone to the system (Bluetooth ID is BT Gateway, PIN code is **1234**) and then make a call. End the call via the Multi Function Steering Wheel.
- Test the answering function by calling the paired mobile telephone from another phone and answering using the Multi Function Steering Wheel.
- While on the call test the microphone and the speaker system (make sure you can hear the caller and that they can hear you)
- While the mobile telephone is paired, turn the ignition off and remove the key. The mobile telephone should disconnect from the Bluetooth system. Leave the ignition off for 30 seconds and then switch it back on. The mobile telephone should re-connect with the system within 90 seconds.
- If the vehicle has an RNS-E head unit or is an A4/A5/Q5 with Concert3 or Symphony3 please ensure that the phone operating console is displayed on the screen when the PHONE button (on the radio control panel) is pressed.
- Refit the radio/radio navigation unit and all other trim panels that were removed. (refer to the vehicle repair manual)

## 1.8 Vehicle Specific ECU Mounting Locations



### 1A A3 (8P), TT (8J)

Remove bolt behind trim panel & two bolts underneath dash.



### 1B A3 (8P)

Location: Mounted to dash support brace using double-sided tape.



### 1C A4 (8K) A5 (8T & 8F) Q5 (8R)

Remove bolt behind trim panel & two bolts underneath dash.



### 1D A4 (8K) A5 (8T & 8F) Q5 (8R)

Location: Mounted to dash support brace using double-sided tape.



### 1E A4(B7)

Location: Mounted to dash support brace using double-sided tape.

## 1.9 Vehicle Specific Microphone Mounting Locations



### 2A A3 (8P)

Location: Attached to trim panel with wire routed behind trim panel.



### 2B A4 (8K) A5 (8T & 8F) Q5 (8R)

Location: Attached to steering column shroud with wire routed behind vinyl.



### 2C A4(B7)

Location: Attached to trim panel with wire routed behind trim panel.

