

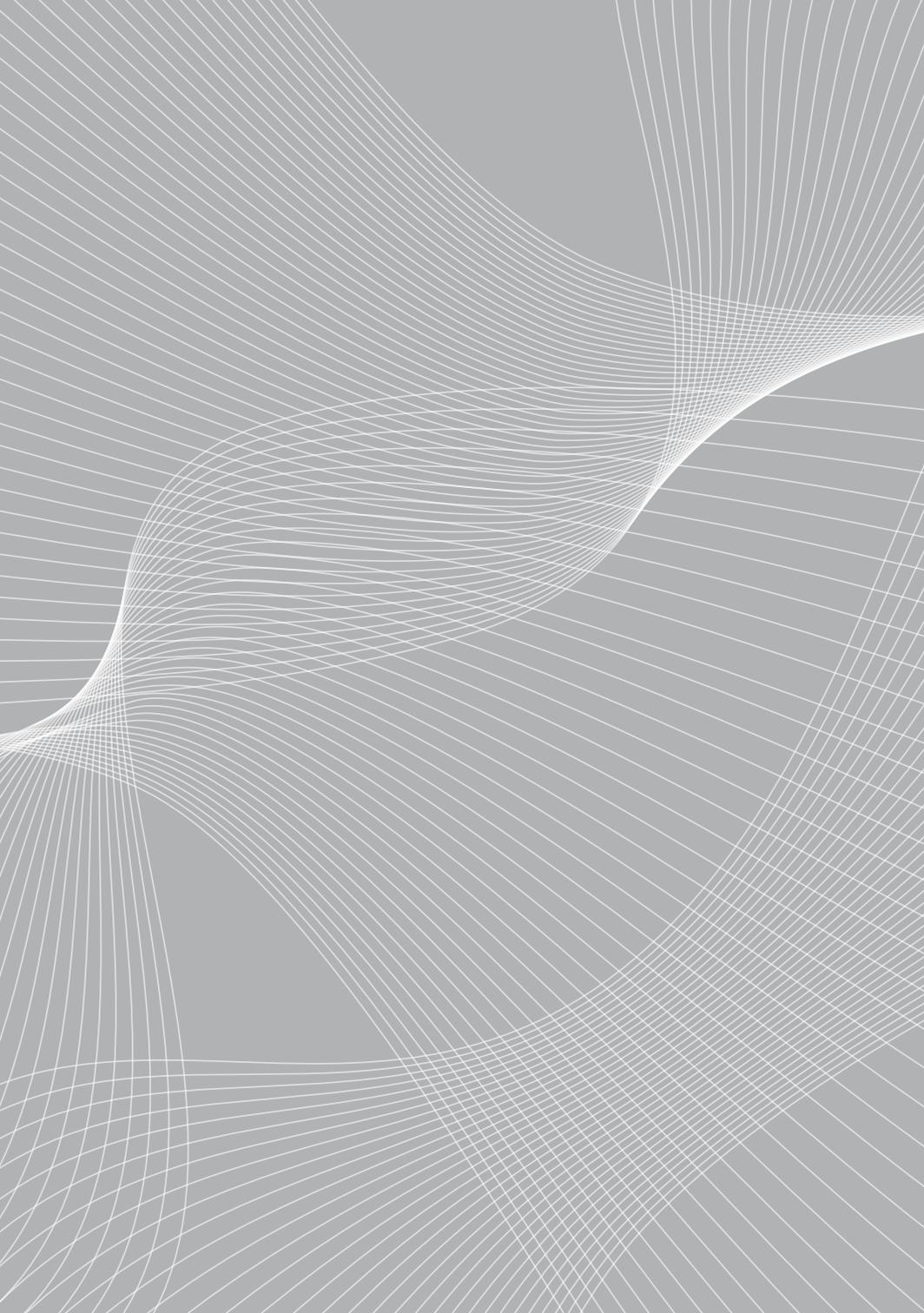
The logo for mObridge features the word "mObridge" in a white, sans-serif font. The letter "O" is stylized as a white circle with a thick, curved line arching over its top and extending to the right, resembling a signal or a bridge. The background is a deep blue with abstract, flowing white lines that create a sense of motion and connectivity.

mObridge

Bluetooth Gateway for Volkswagen  
User Manual



Parrot



# ▶▶ Welcome

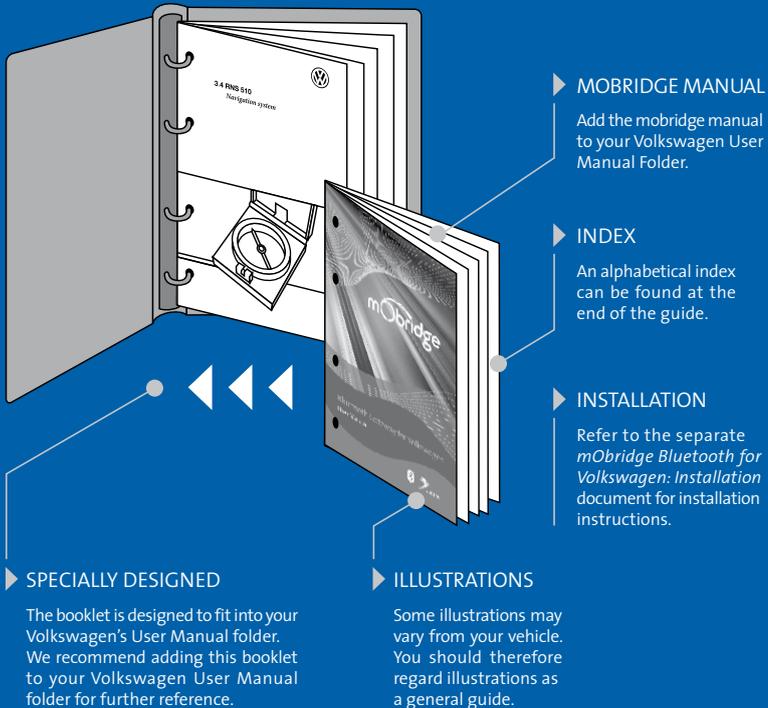
Congratulations on purchasing a mObridge Bluetooth Gateway for your VW. The mObridge Bluetooth Gateway allows for full hands-free phone control using the existing radio and steering wheel controls in your VW vehicle.



Parrot

# About this Manual

This manual contains important information and warnings on using your mObridge Bluetooth for Volkswagen. Please read this manual carefully to insure you are using the mObridge kit correctly and utilising its many features.



# Contents

## Getting Started 04

Getting Started	04
Supported Equipment	04
Features	05
Steering wheel controls	06
Stalk Controls	07
RNS-510 and RCD-510	08
Base Model Radios	08

## Pairing your Bluetooth Phone 08

Connecting & Disconnecting the Phone	08
Voice Recognition	09

## Operation: Combi-instrument Display 10

Menu Structure	10
Making a phone call from the phonebook	11
Dialing a telephone number	12
Accepting an incoming call	13
Rejecting an incoming call	13
Ending a telephone call	13
Sending DTMF tones	14
Call Lists	14
SMS	15
Bluetooth Device Control	16
Changing System Settings	16

## Operation: RNS-510 and RCD-510 17

Making a phone call from the phonebook	17
Dialing a telephone number	17
Accepting an incoming call	18
Rejecting an incoming call	18
Ending a telephone call	18
Call Lists	18

## Software Updates 19

## Troubleshooting 19

## Warranty 20

## Index 20

# Getting Started

## Supported Equipment

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The mObridge Bluetooth kit supports the following equipment:

### **MFA+ (White) with multi-function steering wheel**

The white MFA+ has been introduced with the new Golf VI and Passat CC. mObridge Bluetooth for Volkswagen is fully compatible with this system.

### **MFA+ (Color) with multi-function steering wheel**

The Touareg features a wider color cluster display. mObridge Bluetooth for Volkswagen is fully compatible with this system. Note that the Touareg steering wheel features a scroll wheel rather than individual up/down buttons, however the operation is the same.

### **MFA+ (Red) with multi function steering wheel**

The Red MFA+ is being phased out in favor of the White MFA+, however mObridge Bluetooth is fully compatible with this system.

### **RNS-510 / RCD-510**

Both of these touch-screen head-units provide telephone functionality.

### **Vehicles without any of the above**

It is possible to install a mObridge Bluetooth without any of the above equipment. In this case the mObridge Bluetooth will perform like a basic hands-free system, with call answer and hang-up using the stalk control, and the ability to launch the voice-recognition function of your phone.

## Features

The accessible mObriidge features will differ depending on the equipment specification of your vehicle. In a fully equipped Volkswagen, with MFA+ and RNS-510/RCD-510, all mObriidge features are available. In a base-model Volkswagen, only the basic hands-free features are accessible.

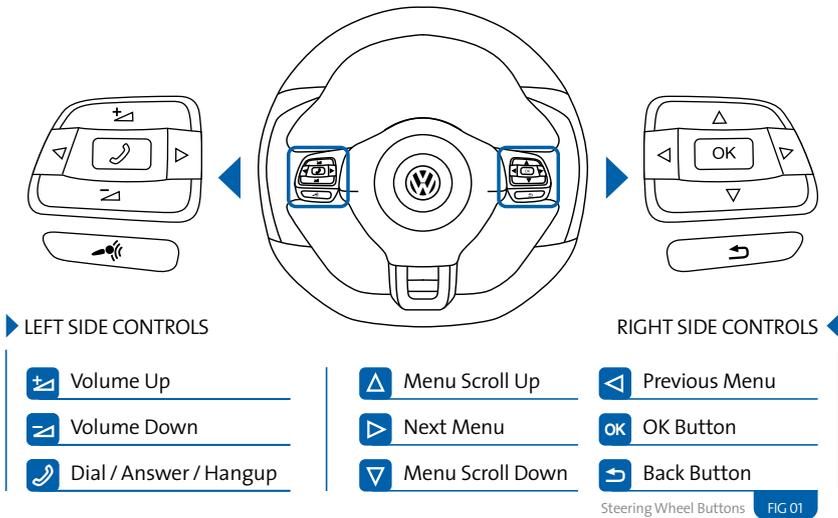
The following table shows the accessible phone features in your vehicle.

Features	MFA+	RNS-510/RCD-510	Lowline MFA with Stalk Controller
▶ Full hands-free audio with on-board DSP	✓	✓	✓
▶ Dial Numbers	✓	✓	✓
▶ Access your phone book	✓	✓	✗
▶ Answer Incoming Calls	✓	✓	✓
▶ Reject Incoming Calls	✓	✓	✗
▶ Hangup calls	✓	✓	✓
▶ Modify phone book numbers before dialing	✓	✓	✗
▶ SMS	✓	✗	✗
▶ Launch phone's voice recognition	✓	✗	✓

# Steering Wheel Controls

*Applies to vehicles: with multi-function steering wheel and MFA+ in the combi-instrument.*

The mObridge Bluetooth kit can be controlled via the steering wheel controls in your vehicle. An example of the steering wheel controls is found in the diagram below. Your controls may differ slightly from shown, but the basic operation will remain the same. Using the steering wheel controls, the telephone functionality is displayed on the MFA+ in the combi-instrument display.



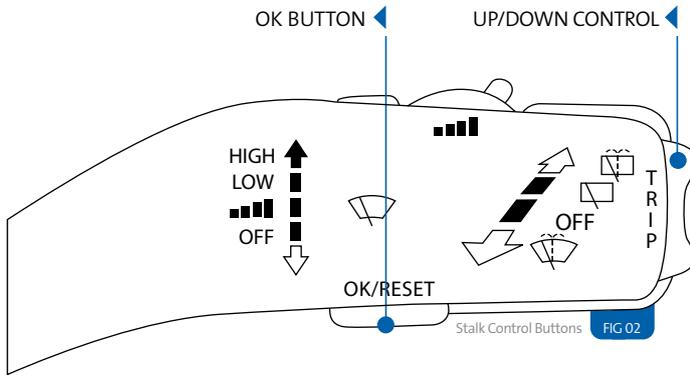
**NOTES** Steering wheel controls and vehicle display may differ between Volkswagen models. This may change the operation slightly of the mObridge Bluetooth kit between vehicles. Some steering wheels have a back button

which can be used to quickly go back to the previous menu. If your steering wheel does not have a back button you can still go back to the previous menu using the <<Back menu option or a long-press of the OK button.

# Stalk Controls

*Applies to vehicles: with stalk controls*

The mObridge Bluetooth kit can be controlled via the stalk controls in your vehicle (if equipped).



## Stalk Controls with MFA+

With an MFA+, the stalk controls allow the user to navigate the Telephone menu.

- ▶ Press UP/DOWN to navigate the menu.
- ▶ Pressing the OK button will enter a menu option.
- ▶ Holding the OK button will go back out of a menu.
- ▶ Exiting telephone mode can be achieved by holding UP.

## Stalk Controls with lowline MFA

If you have a lowline MFA, then a double-click of the OK button is used to answer calls, end calls, and launch the phone's voice recognition.

- ▶ When a call is ringing, double-click the OK button to answer it.
- ▶ When a call is in progress, double-click the OK button to end it.
- ▶ When no call is active, double-click the OK button to start your phone's Voice Recognition – provided your phone supports this option – refer to pg 09

## RNS-510 & RCD-510

*Applies to vehicles: with RNS-510 or RCD-510 touch-screen head-units.*

In case the vehicle is also equipped with the RNS-510 or RCD-510 head units, then telephone functionality is also available via the “PHONE” menu on these devices.

The functionality provided by mObridge is identical to the factory telephone for the RNS-510 and RCD-510. You can refer to the respective user manual for your RNS-510 or RCD-510 for further information.

## Base Model Radios

*Applies to vehicles: without RNS-510 or RCD-510 touch-screen head-units.*

Volkswagen base-model radios (i.e. those without a touch-screen display) are not capable of controlling the telephone. In this case the telephone must be operated only using the display on the MFA+.

During an active call, the radio will display the text “PHONE” and the volume controls on the radio will change the volume of the call.

# Pairing your Bluetooth Phone

*Applies to vehicles: All*

To pair your Bluetooth phone with the mObridge Bluetooth kit, you will need to do the following:

- 01 Turn ignition on.
- 02 Using the Bluetooth features of your phone, perform a search for new devices.
- 03 Your Bluetooth phone should find a device named “CAR BT”. Connect to this device.
- 04 When prompted for a passkey, enter 1234 which is the default passkey.
- 05 Your phone should now connect to the mObridge kit where it can then be

accessed using the steering wheel or the radio controls.

### NOTES

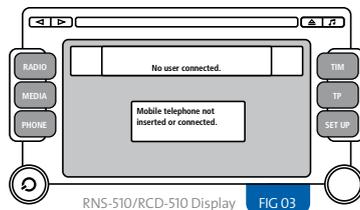
- ▶ Please consult your phone’s user manual if you have trouble searching for the mObridge device from your phone.
- ▶ A maximum of 5 Bluetooth devices can be paired with mObridge Bluetooth at any time. If a 6th device is paired with the system, the least used pairing will be deleted from the mObridge Bluetooth.
- ▶ For some phones, you must manually allow the phonebook synchronization to occur, by pressing  on the phone.

## Phone Not Connected Display

When no phone is connected to the system, this will be indicated on both the MFA+ and also the RNS-510/RCD-510 if equipped.



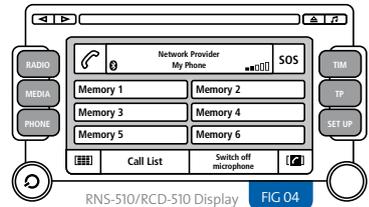
MFA+ Display



RNS-510/RCD-510 Display **FIG 03**

## Phone Connected Display

When a phone is connected, both the MFA+ and RNS-510/RCD-510 will display the current phone name, signal strength, and network name – provided your phone supports the sending of this information over Bluetooth.



## Automatic connection & Disconnection

Now that the phone has been paired to the system, it will connect and disconnect automatically when ignition is turned on/off.

When the key is inserted and ignition is on, mObridge will begin searching for all paired devices, beginning with the most recent one connected. It will do this until a connection has been made. When ignition is switched off and the key is removed, mObridge will

disconnect from any connected phone. If a call is ongoing at this time it will transfer to private mode on the handset.

### NOTES

- Some phones do not support automatic connection – for these phones you will need to manually connect to mObridge using the controls on your phone.

## Voice Recognition

If your phone has a voice recognition function, and your phone supports this functionality over Bluetooth, it is possible to launch your phone's voice recognition via the vehicle controls.

Note that not all phones support this functionality. Consult the manufacturer of your phone for more information.

To launch the voice recognition of your phone:

- 01** Ensure that a phone that supports this functionality is connected to the mObridge device.
- 02** On vehicles equipped with steering wheel controls, a long press of the  button when not in a call will launch the voice recognition.
- 03** On vehicles equipped with the stalk control, a double-click of the OK button when not in a call will launch the voice recognition.

# Operation: Combi-instrument Display

Applies to vehicles: with MFA+ in the combi-instrument

## Menu Structure

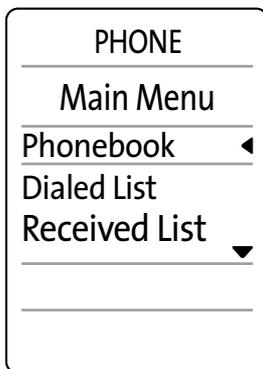
Applies to vehicles: with MFA+ in the combi-instrument.

### Main Menu

The following menus are available in the Telephone menu on the combi-instrument. When a phone is connected the entire menu is available.

▶ <b>Phonebook</b>	Display the phonebook	See page 9
▶ <b>Dialed List</b>	Display the last dialed numbers call list	See page 12
▶ <b>Received List</b>	Display the last received calls list	See page 12
▶ <b>Missed List</b>	Display the missed calls list	See page 12
▶ <b>Dial Number</b>	Dial a phone number	See page 10
▶ <b>SMS</b>	Display SMS messages	See page 13
▶ <b>Bluetooth</b>	Access Bluetooth settings	See page 14
▶ <b>System   Version</b>	Displays product version information.	
▶ <b>System   Factory Reset</b>	Reset mObridge Bluetooth to factory defaults.	
▶ <b>System   Settings</b>	Change System Settings	See page 14

When no phone is connected, only the System and Settings menus are available.



Main Menu FIG 05

# Making a telephone call from the phonebook

*Applies to vehicles: with MFA+ in the combi-instrument*

It is possible to dial a number from the phonebook of the connected phone using the steering wheel buttons.

## NOTES

- ▶ Your Bluetooth phone must support phonebook sync to use this feature.
- ▶ It may take a few minutes for your phonebook to be available after connecting your phone, depending on the size of your phonebook.

**01** Enter Telephone Menu on the MFA+ using the  and  buttons on the steering wheel.

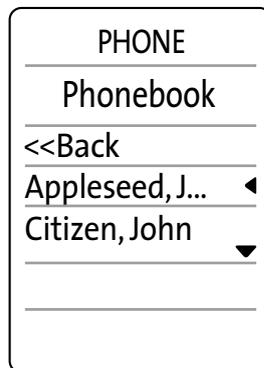
**02** Press  to enter the telephone menu.

**03** Using the  button scroll down to Phonebook. The phonebook menu will appear. (see figure 06)

**04** Press  to select the phonebook entry you wish to dial.

**05** If there is more than one phone number associated with this entry, select the number you wish to dial using the  and  buttons.

**06** Press the  button or the  button to dial.



Phonebook Menu **FIG 06**

## TIPS

- ▶ If you have a large phonebook, you can scroll through it quickly by holding down the  or  buttons. This will skip through the phonebook by first letter.
- ▶ You can edit a phone number before dialing by selecting the “Edit and Dial” option before dialing.
- ▶ The system will synchronize up to 1000 entries from your phonebook. Each entry can have 4 phone numbers assigned to it.

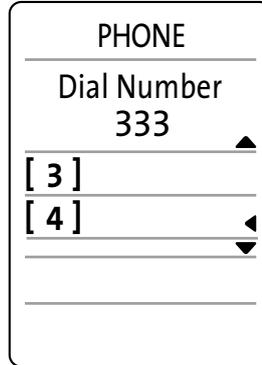
# Dialing a telephone number

*Applies to vehicles: with MFA+ in the combi-instrument.*

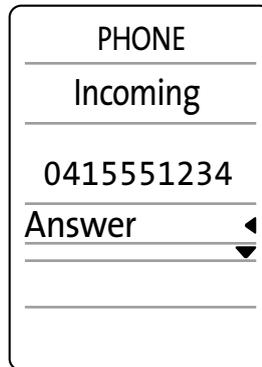
It is possible to dial any number from both the steering wheel and RNS-510/RCD-510 if equipped.

## Dialing a number using the steering wheel controls

- 01 Enter Telephone Menu on the MFA+ using the  and  buttons on the steering wheel.
- 02 Press  to enter the telephone menu.
- 03 Using the  button scroll down and select the Dial Number menu using the  button.
- 04 Using the  and  buttons on the steering wheel, select numbers you wish to add to the phone number to dial by pressing the  button. Select the [DEL] menu entry to delete the last number.
- 05 Select the [DIAL] menu entry using the  button, or press the  button to dial the number.



Dial Number Menu **FIG 07**



Incoming Call Screen **FIG 08**

## Accepting an incoming call

---

*Applies to vehicles: with MFA+ in the combi-instrument.*

An incoming call will cause the radio to mute and a ring tone to be audible. An incoming call display will be displayed.

### Option 01

An incoming call can be accepted by a short press on the  button on the steering wheel.

### Option 02

An incoming call can be accepted by selecting the **Answer** option from the incoming call screen that is displayed on the MFA+.

## Rejecting an incoming call

---

*Applies to vehicles: with MFA+ in the combi-instrument.*

An incoming call can also be rejected. It depends on your network provider as to what this does, but usually the caller will go straight to your voice mail.

### Option 01

An incoming call can be rejected by a long press (3 seconds) on the  button on the steering wheel.

### Option 02

An incoming call can be rejected by selecting the **Reject** option from the incoming call screen that is displayed on the MFA+.

## Ending a telephone call

---

*Applies to vehicles: with MFA+ in the combi-instrument.*

Briefly press the  button on the steering wheel.

## Sending DTMF tones

---

*Applies to vehicles: with MFA+ in the combi-instrument.*

Pressing the number keys during a phone call can be used to send DTMF tones. DTMF Tones can be used to navigate Call Centre and voicemail menus for example.

### Sending DTMF tones using the steering wheel controls:

- 01 When in a call, use the  and  buttons on the steering wheel to display the active call screen.
  - 02 Use the  and  buttons to select the Send DTMF menu, and press the  button to select it and enter the DTMF menu.
  - 03 Within the DTMF menu, use the  and  buttons on the steering wheel to select numbers to send. When you are done, you can use the <<Back menu option to return to the previous screen.
- 

## Call Lists

---

*Applies to vehicles: with MFA+ in the combi-instrument.*

mObridge will synchronize the Last Dialed, Missed, and Answered Call lists with your phone. If a number is known from your phonebook, then the caller name will be displayed in addition to the number.

### Dialing a number from a Call List using the steering wheel controls

- 01 Enter Telephone Menu on the MFA+ using the  and  buttons on the steering wheel.
  - 02 Press  to enter the telephone menu.
  - 03 Using the  button scroll down to Last Dialed, Missed Calls, or Answered Calls options, and press the  button to select.
  - 04 Use the  button or the  button to dial
- 

### NOTES

- ▶ Not all phones support the synchronization of call lists over Bluetooth. For phones that do not support this feature, only calls made while the phone is connected to the vehicle will be contained in the call lists.
-

# SMS

*Applies to vehicles: with MFA+ in the combi-instrument.*

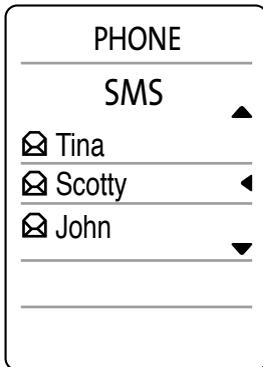
mObridge supports basic SMS functionality such as Reading and Deleting. New SMS messages will be flagged to the user.

SMS messages can only be accessed on the MFA+ using the steering wheel controls – the RNS-510 and RCD-510 do not have this functionality.

## Accessing the SMS menu

To enter the SMS menu on the MFA+:

- 01 Use the  and/or  buttons on the steering wheel to enter the telephone menu.
- 02 Press  to enter the main telephone menu.
- 03 Press the  button to scroll to SMS and use the  button to enter the SMS menu.



SMS Menu FIG 09

## Reading SMS

Use the  and  buttons on the steering wheel, together with the  button to select the SMS you would like to read.

When viewing SMS messages, press  to access available options to delete the message, place a call to the sender, or return to the previous menu.

Unread SMS messages that are viewed are marked as read on the phone.

## Deleting SMS messages

Press  while viewing an SMS message, and select **Delete** from the popup menu. You will be asked to confirm before deletion.

## Placing a call to the sender

Press  while viewing an SMS message, and select **Place Call** from the popup menu. Alternatively, press the [DIAL] button on the steering wheel.

## NOTES

- ▶ Not all phones support SMS over Bluetooth. For phones that do not support this feature, this functionality will not be available.
- ▶ Extended SMS (greater than 160 characters) are not fully supported, and will appear as multiple SMS messages in the list.

## Bluetooth Device Control

*Applies to vehicles: with MFA+ in the combi-instrument.*

The MFA+ provides a Bluetooth menu that allows for the control of Bluetooth devices that the mObridge is paired with. You can view the list of devices and delete individual devices from the device list.

### Accessing the Bluetooth Menu using the steering wheel controls.

- 01 Use the  and/or  buttons on the steering wheel to enter the telephone menu.
- 02 If the phone is connected, you will need to press the  button to access the main phone menu.
- 03 Use the  button to scroll down and select **Bluetooth** from the menu, and select it with the  button.

The Bluetooth menu shows a list of all connected devices. Select a device and press enter, and a sub-menu will appear with various options.

### Deleting a Bluetooth Device

- 01 Access the Bluetooth menu using the directions above.
- 02 Select a Bluetooth device, and use the  button to open the sub-menu.
- 03 Using the  button, scroll down to **Delete** to delete the device.
- 04 A confirmation screen will appear. Select **Delete** again and the device will be deleted.

## Changing System Settings

*Applies to vehicles: with MFA+ in the combi-instrument.*

It is possible to change some of the system settings of the mObridge system. Settings are available in the **System->Settings** menu on the MFA+.

The settings can be changed even when no phone is connected.

### System Settings

### Options

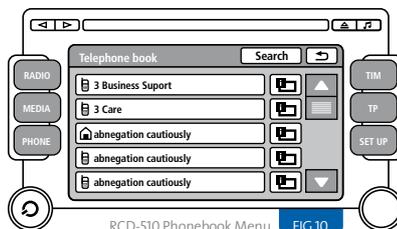
<b>Mic Gain</b> Controls the volume of the microphone audio from the mObridge system.	01 - 15
<b>Call Volume</b> Volume level during a call.	01 - 15
<b>Ring Volume</b> Volume level of the internal ring. This is used if your phone does not send the ringtone via Bluetooth.	01 - 15
<b>Beep Volume</b> Volume level of prompt beeps.	01 - 15
<b>A2DP Volume</b> Volume level of ringtones if your phone sends them via A2DP (not all phones provide this functionality).	01 - 63
<b>Language</b> Sets the operating language.	

# Operation: RNS-510 & RCD-510

## Making a telephone call from the phonebook

*Applies to vehicles: with RNS-510 or RCD-510 touch-screen head-units*

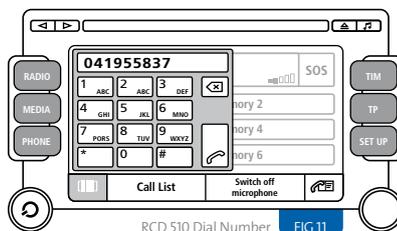
- 01 Touch the Phonebook function key on the lower-right of the screen to show the phonebook menu. See Figure 09
- 02 In the phonebook menu, move the slider in the scrollbar down to display additional entries, or use the [SEARCH] function key to select entry by typing the first few letters of the name.
- 03 Touch a phonebook entry to dial the number associated with it.



## Dialing a telephone number

*Applies to vehicles: with RNS-510 or RCD-510 touch-screen head-units*

- 01 Touch the Keypad function key on the lower-left of the screen to display the dial number popup menu. See Figure 10
- 02 Dial the number you wish to dial using the keypad.
- 03 Touch the [CALL] function key to dial the number



# Accepting an incoming call

*Applies to vehicles: with RNS-510 or RCD-510 touch-screen head-units*

Touch the green [DIAL/ANSWER] key to answer the call.

# Rejecting an incoming call

*Applies to vehicles: with RNS-510 or RCD-510 touch-screen head-units*

Touch the red [HANGUP] key to reject the call.

# Ending a telephone call

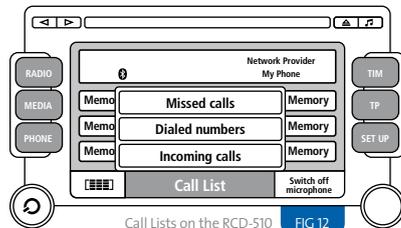
*Applies to vehicles: with RNS-510 or RCD-510 touch-screen head-units*

Press the red [HANGUP] button.

# Call Lists

*Applies to vehicles: with RNS-510 or RCD-510 touch-screen head-units*

- 01 Touch the [CALL LIST] function key at the bottom of the telephone screen.
- 02 In the pop-up window that opens, select the call list you would like to access.
- 03 In the call list, touch the number to dial it.



# Software Update Troubleshooting

*Applies to vehicles: All*

From time to time mObridge will release software updates for mObridge Bluetooth for Volkswagen. These software updates will provide support for new Bluetooth phones as well as adding support for new vehicles.

**There is never any need to return the unit to mObridge to update it.**

This is important as it helps to future-proof your investment.

**Software updates can be performed in 2 ways:**

**01** If your mObridge has an SD-card slot equipped, insert an SD-card with the new software into the SD-card slot to automatically update the device.

**02** If your mObridge has a micro-USB connector, connect the mObridge to a PC with the mObridge Update Wizard installed.

In either case, the latest software together with update instructions are available on our website. [www.mobridgeinc.com](http://www.mobridgeinc.com)

## 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 interface, please contact your local service agent, whose details are attached to the back page of this user instruction manual.

*Applies to vehicles: All*

**Unable to pair a device**

- ▶ You already have five devices paired to mObridge. The system can only support five paired devices so you must delete an existing device.

**Phone book not appearing**

- ▶ Your Bluetooth phone does not support phonebook sync.
- ▶ It may take several minutes for your phone book to sync, especially with very large phone books.

**Call lists not appearing or updating**

- ▶ Your phone does not support the synchronization of phone lists.

**SMS not appearing**

- ▶ Your Bluetooth phone does not support SMS.
- ▶ SMS may take a minute or two to synchronize with the phone.

# FCC information

*Applies to 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 interference 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.

# Index

Answered Calls List	14, 18	Making a Telephone Call	
Answering a Call	13	via RNS-510/RCD-510	17
via RNS-510/RCD-510	18	via Steering Wheel Buttons	11, 12
via Steering Wheel Buttons	13	via Stalk Controls	07
via Stalk Controls	07		
Bluetooth Devices		Missed Calls List	14, 18
Connecting	09	Received Calls List	14, 18
Deleting	16	SMS	15
Pairing	08	Steering Wheel Controls	06
Call Lists	18	Stalk Controls	07
DTMF	14	Volume Levels, Changing	16





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