



CIX 3000 Blue

Owner's manual and mounting instruction
Mode d'emploi et manuel d'installation
Bedienungs- und Einbauanleitung
Gebruiksaanwijzing en inbouwhandleiding
Istruzioni d'uso e d'installazione
Instrucciones de manejo y de montaje
Betjeningsvejledning og monteringsanvisning

English

Français

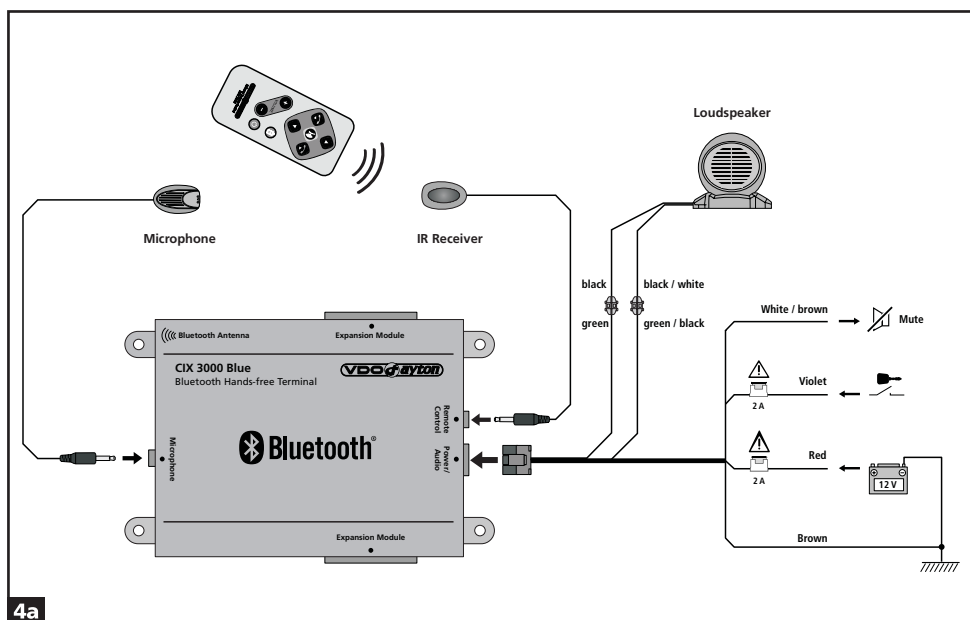
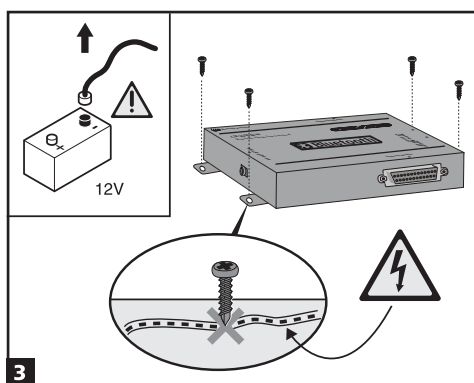
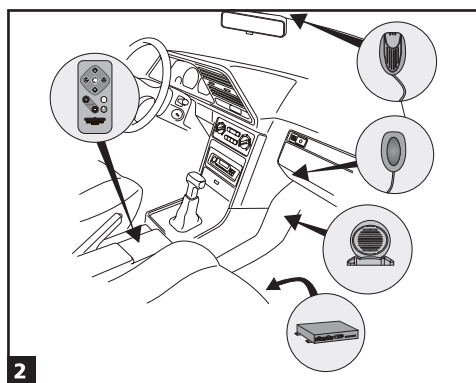
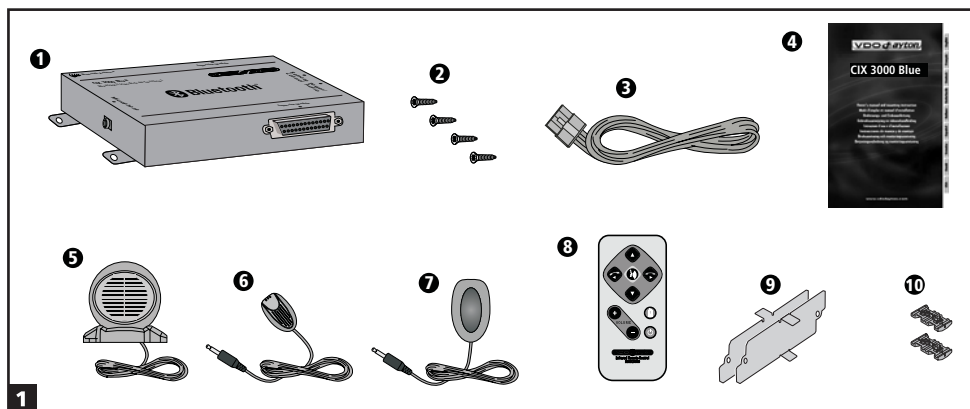
Deutsch

Nederlands

Italiano

Español

Dansk



FCC Regulatory Information

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT INFORMATION

-  **The system must only be installed by trained specialists.**
-  **Observe automotive industry quality standards.**
-  **Fire hazard! When drilling, care must be taken not to damage concealed wiring harnesses, the fuel tank and fuel lines.**
-  **Never drill into supporting or safety-relevant body parts.**

It is essential to observe the following when installing components in the passenger compartment:

-  **Ensure that the driver has a clear all-round view.**
-  **Increased risk of injury in the event of an accident. Do not install components in the inflation range of the airbag or in areas where the head or knees may knock against them.**
-  **Only install in vehicles with 12V on-board voltage and negative earth. Risk of malfunction, damage and vehicle fire if installed in unsuitable vehicles (e. g. heavy goods vehicles, buses).**
-  **Do not damage safety system wiring (airbag etc.). (Lines are normally specially marked, for example by labels.)**
-  **Do not use test lamps to test the voltage, since excessively high currents can damage / destroy electronic components.**
-  **Fit toothed washers at earth connections to the vehicle body. If necessary, remove paint and dirt beforehand. Subsequently, protect bare metal against corrosion.**
-  **In order to ensure perfect installation, use only the original components supplied. The use of non-authorised components may result in malfunction.**
-  **Do not install the unit in positions where it is exposed to high temperatures, dust, dirt or excessive vibration (e.g. due to direct sunlight or heating vents).**

Scope of delivery, Fig. 1

- 1** CIX 3000 Blue Bluetooth hands-free terminal
- 2** 4 self-tapping screws 4.2 x 16 mm
- 3** Vehicle network cable
- 4** Installation and operating instructions
- 5** Loudspeaker
- 6** Microphone
- 7** Infrared receiver
- 8** Infrared remote control
- 9** 2 connecting plates
- 10** 2 insulation piercing connectors/clamping connectors

Recommended installation locations, Fig. 2

■ CIX 3000 Blue

The CIX 3000 Blue should be installed in a location that is not electrically isolated (e.g. not beneath/behind sheet metal parts, in the luggage compartment) in order to ensure that the radio link to the mobile phone is not obstructed, e.g. beneath the front seats or beneath the instrument panel.

 If possible, the aerial slot should point towards the vehicle interior.

■ Microphone

Fit the microphone so that the front side (the side opposite the connecting cable) is aligned with the head of the person making calls in the vehicle.

Possible installation locations A-pillar on the driver's side or on the ceiling of the vehicle next to the interior light.

■ Loudspeaker

The loudspeaker should be installed at least 90 cm away from the microphone, e.g. in the passenger footwell.

■ Infrared receiver

The infrared receiver should be installed so that the transmission path from the IR remote control is not obstructed, e.g. by the steering wheel.

If possible, align the receiver's IR window with the position in which the remote control will subsequently be used.

 The infrared receiver should not be exposed to direct sunlight as this may damage its function.

■ Remote control

 Remove the fuse-element strips protruding out of the remote control battery compartment.

 The remote control is now ready for operation.

Notes:

Use only leak-proof batteries. Battery leakage can cause damage to the remote control or to your vehicle.

Never expose the remote control to direct sunlight or extreme heat. Batteries discharge at high temperatures and there is a risk of leakage.

In many countries, flat batteries may not be disposed of together with the normal domestic rubbish. Please determine how to dispose of flat batteries in accordance with local regulations.

Taking safety precautions and installation, Fig. 3

⚠ Before starting work, disconnect the earth cable from the negative terminal of the vehicle battery in order to prevent short circuits. At the same time, follow the vehicle manufacturer's safety instructions (alarm system, airbag, immobiliser, radio coding etc.).

⚠ The CIX 3000 Blue must on no account be installed in the following locations:

- ☐ Near electric motors or other aggregates of the vehicle electrical system.
- ☐ Near wiring harnesses of the vehicle electrical / electronic system.
- ☐ At locations where it is exposed to high temperatures or direct sunlight.
- ☐ At locations with excessive humidity, spray water or dirt.
- ☐ In locations that are electrically isolated (e.g. beneath/behind sheet metal parts, in the luggage compartment).

Accessibility of the system bus slots ("Expansion Module") and other connectors for subsequent retrofitting or conversion should also be taken into account when selecting the installation location.

Installation

The CIX 3000 Blue can be secured in a suitable installation location, using the screws supplied with the unit. four fastening tabs are provided on the housing of the CIX 3000 Blue for this purpose.

Electrical connections

Route all wiring with care. For wiring details, refer to the connection diagram and to the following table.

1. CIX 3000 Blue as a standalone solution (without the CI 3000), Fig. 4a

■ "Power/Audio" power supply cable

Cable colour	Connection
Red	+ 12 V permanent positive (must be rated for at least 2 A.)
Purple	+ 12 V ignition positive
Brown	Battery negative (body)
White/brown	Mute
Green	Audio output loudspeaker +
Green/black	Audio output loudspeaker –

⚠ Only connect electrical signals to suitable connecting points in the vehicle.

⚠ For direct connection of permanent positive (red lead) to the battery, the fuse must be no further than 10 - 15 cm from the positive terminal of the battery. If it is necessary to extend the positive lead, an additional 10 A fuse must be provided close to the battery (max. distance 10 - 15 cm). Failure to do so may result in a wiring fire hazard.



INSTALLATION INSTRUCTIONS

■ 12 V permanent positive (red):

- 🔧 Connect red wire to a suitable connector with 12 V permanent positive.

⚠️ This connection should be rated for a current of at least 2 amps.

■ 12 V ignition/ACC/Accessory contact (purple):

- 🔧 Connect purple wire to a suitable 12 V circuit switched through the ignition (ACC).

■ Battery negative (brown)

- 🔧 Connect brown wire to a suitable earthing point on the vehicle body.

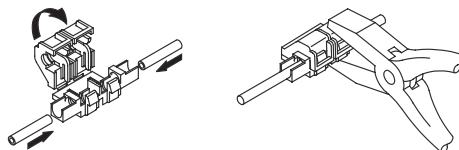
■ Mute

- 🔧 Connect white/brown wire to the mute input on the car radio.

Connecting components

■ Loudspeaker

- 🔧 Use the insulation displacement/clamping connectors supplied to connect the green wire and the green/black wire on the power/audio wiring harness to the wires on the loudspeaker.



■ Microphone

- 🔧 Plug the 2.5 mm microphone jack into the "Microphone" socket on the CIX 3000 Blue.

■ Infrared receiver

- 🔧 Plug the 3.5 mm receiver cable jack into the "Remote Control" socket on the CIX 3000 Blue.

2. CIX 3000 Blue with CI 3000 and navigation system, Fig. 4b

In this case, the power supply for the CIX 3000 Blue is provided via the CI 3000 (see the installation instructions for the CI 3000). This means that a special connection is not necessary.

- 🔧 Place the CI 3000 and CIX 3000 Blue on an even surface.
- 🔧 Insert the CIX 3000 Blue into the system bus slot ("Expansion Module") on the CI 3000.
- 🔧 Use the connecting plates supplied to connect the two modules by removing the appropriate housing screws and then replacing them together with the connecting plates.

3. CIX 3000 Blue and VDO Dayton car radio, Fig. 4c

- 🔧 Use the optional CA 3020 accessory cable to connect the CIX 3000 Blue to the D1' socket on the VDO Dayton car radio.
- 🔧 Turn the volume down on the CIX 3000 to prevent override on the audio system.

⚠️ Always observe the information in the instructions supplied with the adapter cables and, if necessary, visit our website (details under "Service").

4. CIX 3000 Blue and 1-DIN navigation radios, Fig. 4d

-  Use the optional CA 3021 accessory cable to connect the CIX 3000 Blue to the RCA/Cinch socket ("Tel In") on the VDO Dayton navigation radio.
-  Connect the other CA 3021 cable as shown in the instructions supplied.
-  Make the appropriate settings in the "INITIALISATION" menu on the navigation radio.
-  Turn the volume down on the CIX 3000 to prevent override on the audio system.

 **Always observe the information in the instructions supplied with the adapter cables and, if necessary, visit our website (details under "Service").**

Initial operation and system check

1. Reconnect the battery.
2. Restore perfect functioning of the electrical system (clock, trip computer, alarm system, airbag, immobiliser, radio coding etc.).
3. Switch on the ACC/accessory contact on the ignition lock.
4. Press any button on the remote control.
If you hear one or a number of tones, the CIX 3000 Blue is connected correctly.
5. Activate Bluetooth on the mobile phone. Establish the Bluetooth link with the mobile phone as described in the operating instructions, see page 12.
6. Make a test call and check that the CIX 3000 Blue hands-free terminal and the remote control are operating correctly.

Notes for confirmation tones

If audio playback is via an audio system, no confirmation tones will be output via the audio system when buttons are pressed on the remote control. However, confirmation tones will be output if the basic settings are applied (e.g. when an attempt is made to establish a link or if the system is reset).

Checking the vehicle functions

 **Check the safety-relevant vehicle functions only when the vehicle is stationary, or moving at low speed. Only perform the check in an open area.**

Brake system, alarm system, lighting system, immobiliser, speedometer, on-board computer, radio (coding) and hi-fi system, clock.

Service

For up-to-date information and a compatibility list of the mobile phones supported, visit our website:

www.vdodayton.com

or contact a VDO Dayton dealer.

Subject to technical modifications and errors.

Notes on operating instructions

The following reading aids are used to simplify these operating instructions:

 asks you to perform an action.

 provides extra info.

 identifies a list.

 indicates that this subject is continued on the following page.

 **Safety instructions and warnings contain important information for the safe use of the unit. Failure to observe this information may result in a risk of damage or injury. Therefore, please observe this information with particular care.**

Notes for mobile phones

Some functions (e.g. starting of speech recognition) are not supported by all mobile phones. We cannot guarantee that all functions described will be supported by all mobile phones with Bluetooth. An up-to-date list of all mobile phones tested can be found on our Internet site at www.vdodayton.com.

Notes for confirmation tones

If audio playback is via an audio system, no confirmation tones will be output via the audio system when buttons are pressed on the remote control. However, confirmation tones will be output if the basic settings are applied (e.g. when an attempt is made to establish a link or if the system is reset).

WARNING:

Important information for safe use

 **Switch the unit off in areas where the operation of electrical units/HF radios is not permitted. Pay attention to relevant warning signs.**

 **Ensure adherence to country-specific regulations governing the use of Bluetooth devices.**

 **For safety reasons, the driver should not make or receive telephone calls or use the mobile phone for other purposes whilst driving. Please note that it is illegal in certain countries to make or receive telephone calls or use a mobile phone whilst driving.**

 **When setting the volume, please make sure that important noises such as horns, sirens, emergency vehicles, etc., can still be heard.**

 **Please note that when the Bluetooth function is switched on, your mobile phone uses more power than when it is not. Therefore, we recommend that you use a suitable original in-car charger cable provided by your mobile phone manufacturer.**

 **In order to ensure high-quality reception and to reduce the irradiation inside the vehicle, we recommend that you use an external aerial on your mobile phone. Please note that some vehicle manufacturers forbid the use of mobile phones without an external aerial. Please observe the safety instructions provided by the relevant vehicle manufacturer.**

Features

- ☐ Supports the international Bluetooth standard for wireless communication
- ☐ A special cradle is not required for the mobile phone
- ☐ Full-duplex hands-free unit
- ☐ Compatible with mobile phones which support the Bluetooth headset* or hands-free* profile (Bluetooth specification 1.1)
- ☐ Additional functions when used in conjunction with the optional CI 3000
- ☐ Can be connected to VDO Dayton audio systems/radio navigation systems (CA 3020 or CA 3021 adapter cable required)
- ☐ Controlled using IR remote control or via the navigation system (only in conjunction with the optional CI 3000)
- ☐ Built-in DSP (Digital Signal Processor) for echo-free voice playback and noise suppression.
- ☐ Initiating mobile phone speech recognition (depends on the mobile phone)
- ☐ Automatic mute of car radio

Function

The CIX 3000 Blue Bluetooth hands-free terminal offers a variety of options for installing a hands-free unit in your vehicle with minimum effort - you do not even need a cable for the mobile phone. Depending on the system configuration, you can control the basic functions of the mobile phone either using the IR remote control provided or - in conjunction with the CI 3000 - via a VDO Dayton navigation system.

Audio playback is via the loudspeaker provided or via an optional accessory cable on VDO Dayton radios and radio navigation systems or other radio systems with telephone input.

^{*)} A list of all mobile phones supported can be found at www.vdodayton.com.

Basic functions

■ Selecting the Bluetooth profile

- 🔊 Switch on the ignition to activate the hands-free terminal.
- 🔊 Press the  and  buttons on the remote control to toggle between the “headset” and “hands-free” Bluetooth profiles.
- 🔧 The hands-free profile is set as the default setting.
- 🔊 An audible signal confirms that the profile has changed and will remain active until the next change:
 - ❑ Hands-free profile activated: 3 high tones
 - ❑ Headset profile activated: 3 low tones

Important note:

We recommend that you use the hands-free profile if it is supported by your mobile phone. This profile was developed specifically for use with hands-free units (e.g. for optimum echo and noise suppression).

If you are using the headset profile, the range of functions supported will vary depending on the mobile phone. See section “Making and receiving calls with the headset profile”.

■ Link between the mobile phone and the CIX 3000 Blue (“pairing” mode)

In order to be able to use the mobile phone with the CIX 3000 Blue hands-free terminal, the terminal must be logged onto the CIX 3000 Blue.

This procedure only needs to be carried out once.

A total of 5 mobile phones can be logged onto the CIX 3000 Blue. If, when the Bluetooth function is activated, a number of the telephones logged on are present, the telephone logged on first always has access to the CIX 3000 Blue.

- 🔊 Switch on the ignition.
- 🔊 Press the  and  buttons on the remote control at the same time to activate registration mode.

You will hear 2 low tones. The CIX 3000 Blue will now wait for a Bluetooth mobile phone to log on.
- 🔊 Next, activate the “Search for Bluetooth devices” on the mobile phone to establish the connection to the Bluetooth hands-free terminal.

More detailed information about registering Bluetooth devices on your mobile phone can be found in the mobile phone operating instructions.
- 🔊 Whilst the link is being established, you will be prompted to enter a Bluetooth PIN. The PIN for the CIX 3000 Blue is “1234”.

Once the link to a Bluetooth mobile phone has been established, 2 high tones will sound and the CIX 3000 Blue will switch to standard mode.

The CIX 3000 Blue hands-free terminal is now ready for use with the mobile phone.
- 🔧 Press  and  at the same time to cancel the attempt to establish a link.

■ Automatic Bluetooth connection

Once you have successfully established a link between a mobile phone and the CIX 3000 Blue, both devices will connect automatically as soon as the mobile phone enters the Bluetooth range of the CIX 3000 Blue hands-free terminal.

Note:

If 5 mobile phones are already logged onto the CIX 3000 Blue, the phone logged on last (the fifth phone) will automatically be deleted when another phone is logged on.

■ Resetting the CIX 3000 Blue (logging off all mobile phones)

To log off all mobile phones previously logged on and reset the hands-free terminal to its default values, proceed as follows:

-  Press the ,  and  buttons on the remote control at the same time to reset the CIX 3000 Blue.
-  4 high tones will sound to confirm that the hands-free unit has been reset successfully.
-  You may now log on up to 5 mobile phones.

■ Switching the CIX 3000 Blue on/off

-  Press the  button until you hear one high tone. This switches the hands-free terminal to standby mode (the Bluetooth connection to the mobile phone is disconnected).
-  To switch the hands-free terminal back on, press the  button again until you hear one low tone.

Making and receiving telephone calls

The functions described in this section are available when the hands-free profile is activated. The functions available when the headset profile is activated are described in the section “Making and receiving calls with the headset profile”.

■ Making a call with the mobile phone

If you make a call using the mobile phone, the call is automatically made via the CIX 3000 Blue hands-free terminal.

■ Activating speech recognition on the mobile phone (depends on the mobile phone)

-  Press the  button on the remote control to activate speech recognition on the mobile phone.
-  The operating instructions will tell you whether or not your mobile phone supports this function.

■ Receiving a call

-  Press the  button on the remote control to receive an incoming call.

■ Rejecting a call

-  Press the  button on the remote control to reject an incoming call.

■ Ending a call

-  Press the  button on the remote control to end an active call.



■ Redial

 Press and hold down the  button on the remote control to redial the last number dialled.

■ Switching between private and hands-free modes

During a call:

 Press the  button on the remote control to switch between hands-free and private (loudspeaker off) modes.

 In private mode, you can continue the call directly with the mobile phone.

■ Setting the call volume

During a call:

 Press the **+** or **-** button on the remote control to set the call volume.

■ Setting the ring volume

Whilst the phone is ringing:

 Press the **+** or **-** button on the remote control to set the ringer volume.

Making and receiving calls with the headset profile

The Bluetooth headset profile was developed specifically for the use of headsets in conjunction with a mobile phone. In comparison with the hands-free profile, it provides restricted options for echo and noise suppression.

If your mobile phone does not support the hands-free profile, you must set the headset profile as described.

The following functions are supported by the CIX 3000 Blue when the headset profile is activated (depends in part on the mobile phone):

Button	Function
	Multi-function button (depending on the mobile phone and operating mode): Accept call, reject call, initiate speech recognition, switch between hands-free and private
	As hands-free profile
+	As hands-free profile
-	As hands-free profile
	As hands-free profile
	No function
	No function

For more information about the specific functions of your mobile phone when the headset profile is activated, please refer to the operating instructions for your phone or visit our website at www.vdodayton.com.

Troubleshooting

Symptoms	Possible cause/Remedy
Unit does not function.	CIX 3000 Blue not connected correctly. • Check the connections and fuses in accordance with the connection guidelines.
No sound from loudspeaker.	CIX 3000 Blue not switched on. Switch on the hands-free terminal as described in the instructions (see page 13).
No sound or intermittent sound from loudspeaker.	Loudspeaker not connected correctly. • Check that the loudspeaker has been connected correctly with the quick connectors.
Mobile phone cannot find Bluetooth unit.	No electromagnetic connection between the CIX 3000 Blue and the mobile phone (e.g. behind sheet metal parts, in luggage compartment, etc.). A Bluetooth connection requires a radio link between the CIX 3000 Blue and the mobile phone.
	CIX 3000 Blue not in pairing mode (link). • Switch the CIX 3000 Blue and the mobile phone to pairing mode (see page 12).
Unit functioning but not responding to remote control.	Batteries in the remote control is empty. • Replace the empty battery with a full CR 2025 type battery.
	Fuse-element strips not removed in remote control battery compartment. • Remove the fuse-element strips from the battery compartment.
	IR receiver inappropriately positioned (ambient light, covered) or not connected. • Check the installation position and wiring of the IR receiver.
Unit responds to remote control (confirmation tones) but I cannot make or receive calls.	The CIX 3000 Blue has switched to standby mode (Bluetooth connection off). • Switch the CIX 3000 Blue on (see page 13).
When connected to the CIX 3000 Blue, the mobile phone displays the following message: "Internal fault" or "Connection fault".	Fault on mobile phone. • Remove and reinsert the battery in the mobile phone.
People receiving my calls complain that they cannot hear me and there is a lot of background noise.	Microphone installed in the wrong place. • Install the microphone away from air nozzles and do not attach it to metal surfaces.
Strong feedback during calls.	Wrong Bluetooth profile ("headset") selected. • Select the "hands-free" profile to ensure optimum echo and noise suppression.
The mobile phone/CIX 3000 Blue does not respond as described in the operating instructions when the buttons on the remote control are pressed.	Wrong Bluetooth profile ("headset") selected. • Select the "hands-free" profile to ensure the availability of all functions on the CIX 3000 Blue and your mobile phone.
The mobile phone battery has discharged more quickly than usual.	The mobile phone uses significantly more power when the Bluetooth function is switched on. • Use a suitable charger cable for the mobile phone. (We recommend that only original accessories provided by the mobile phone manufacturer are used).

Service

If you cannot find a solution to your problem, contact an authorised VDO Dayton service agent or call our Customer Helpdesk. You will find the telephone number for your country on the Internet at:

www.vdodayton.com

Subject to technical modifications and errors.



Car Multimedia Systems.



VDO Dayton. The Car Brand.