

### Summary

Introduction Andromeda Software Installation Data Linker connection Andromeda updating Andromeda main features 4600 Alarm System tool Firmware updating Preliminary version System configuration Open or save a .cfg file Firmware and Configuration Updating DC – TX management 5365 software updating SCD20 CAN tools Programming tool Display

C2 General

2

### Introduction

- Andromeda is a software which allow you to program the CAN/PLIP applications, store the remote controls and driver cards, configure the functionalities of Vodafone alarm systems, update the software of the 5365 sirens and program the CAN application for SCD20 CAN.
- Andromeda includes a wide range of applications for all the vehicle equipped with CAN network.
- It also allows you to program the alarm system in PLIP configuration if the CAN application is not available.
- Andromeda configures the functionalities of the alarm system in according to customer requests.

# **ANDROMEDA SOFTWARE INSTALLATION**

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- 1. Insert the CD supplied with the Data Linker kit, open the Andromeda folder, click on "Setup" one time, then click on it with the right pushbutton of the mouse, and launch the installation "As Administrator".
- 2. Note: during the Andromeda installation will be installed also the Data Linker drivers.





Click on «Next» to proceed.

Destination Directory Select the installation directories.	
All software will be installed in the following location location, click the Browse button and select another	ss. To install software into a different r directory.
Directory for ANDROMEDIA	
(C:\Program Files (x86))	Browse
Directory for National Instruments products	
C.\Program Files (x86)/National Instruments\	Browse
Directory for Netional Instruments products C\Program Files (x86)/National Instruments\	Browse

Click on «Next» to proceed.

Start Installation			
Review the following sun	nmary before continuing.		
Adding or Changing			
ANDROMEDA Files     NI-VISA 5.4.1			
Run Time Support			
ck the Next button to begin installatio	on. Click the Back button to	change the installation se	ttings.
ck the Next button to begin installatio	on. Click the Back button to	change the installation se	ttings.

Overall Progress: 25% Complete

Click on «Next» to proceed.



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ANDROMEDA

ANDROMEDA	
Installation Complete	
The installer has finished updating your system.	
	k Next>>

Click on «Next» to proceed.

FTDI CDM Drivers	<b></b>
~	FTDI CDM Drivers Click "Extract" to unpack version 2.10.00 of FTDI's Windows Driver Package and launch the installer.
	www.ftdchip.com <back cancel<="" extract="" th=""></back>

#### Click on «Extract» to install the Data Linker drivers

### Data Linker connections

- After having installed Andromeda, insert the Data Linker in the computer USB port.
- Connect to the Data Linker the specific wiring harness of the system to be programmed or configured.
- Connect the power supply to the wiring harness.
- Connect the wiring harness to the system.

Warning: The power supply and the wiring harness are not included in the Data Linker kit, but they are separately supplied. Inside the Data Linker kit you will find the instructions and the accessories bag to modify the power supply connector

# **ANDROMEDA UPDATING**

### **Andromeda Updating**

Andromeda automatically updates itself after having launched it if the Internet connection is available.



Click on two times on the icon to launch «Andromeda» software.





Welcome to ANDROMEDA

Updating system... Please, wait!

Technical information are available in the "Professional Area" at electronics.vodafone.com

Vodatione Automotive SpA - All ophts reserv

Andromeda controls if there are available updating

### **Andromeda Updating**



#### Click on «Yes» to download the new updating.





The new updating will be downloaded on your PC.

### **Andromeda Updating**

🗕 Updat	ing
	The software and the archive were just updated, to use the new versions you have to restart the software. After restarting the new software will be available.
	ОК

Click on «Ok» the Andromeda software will be closed. After having re-launched the Andromeda software, the new updating will be available.

C2 General

# ANDROMEDA MAIN FEATURES

#### Andromeda main features



Launch Andromeda by clicking on two times on the available icon



Andromeda controls if there are updating available on the server every time It is launched. (See section updating)

### Andromeda main features



If Internet connection is not available, Andromeda shows this message, click «Ok» to proceed.



#### Click on «Start» to proceed.



Click on to the desired feature to proceed or exit to leave Andromeda software.

# 4600 ALARM SYSTEM TOOLS

# **FIRMWARE UPDATING**

C2 Level

Firmware updating	Fi	irm	Iwa	re	up	da	ati	ing
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4600 - Available	tools	
	🍯 vodafone	9
AND	ROMEDA - 4600 available	tools
	Firmware Updating	
	System Configuration	
	Firmware and Configuration Updating	
	DC-TX Management	
	Exit	

Click on «Firmware updating» to proceed.



Andromeda reads the stored firmware version.

4600 - Firmware Updating			
🌖 vod	afone		
ANDROMEDA - 4600 I	Firmware updating		
Device info			
Faulware Version: 520A 40404101			
Product type	Preiminary Version	4600 - Firmware Updating	
1			
4600 1 WIRE			dafono
4600 1 WIRE 4600 2 WIRE		🌔 🜔 vo	dafone
4600 2 WIRE 4600 PLIP			
4600 2 WIRE 4600 PLIP 4600 PLIP Brand			dafone 0 Firmware updating
4600 2 WIRE 4600 PLIP			
4600 2 WIRE 4600 PLIP 4600 PLIP Brand 4600 VW GROUP 4693-4696-4698		ANDROMEDA - 460	
4600 2 WIRE 4600 PLIP 4600 PLIP Brand 4600 V/V GROUP 4693-4696-4698		ANDROMEDA - 460	
4600 2 WIBE 4600 PLIP 4600 PLIP 4600 PUP Brand 4600 VW GROUP 4603 4604 4608 ehcle Model Year	a	ANDROMEDA - 460 Device info Firmware Version: 256V 46MOH101	
4600 2 WIRE 4600 PLIP 4600 PLIP 4600 VW GROUP 4601 4004 4608 https://www.group. 4603-4604-668		ANDROMEDA - 460 Device info [Firmware Version: 256V 46MOH101 Product type	0 Firmware updating
4600 2 WIRE 4600 PLIP 4600 PLIP 4600 VW GROUP 4601 4004 4608 https://www.group. 4603-4604-668		ANDROMEDA - 460 Device Info Firmware Version: 256V 46MOH102 Product type 4600 2 WIRE	0 Firmware updating
4600 2 WIRE 4600 PLIP 4600 PLIP 4600 PVV GROUP 4601 400 4698 https://www.group.		ANDROMEDA - 460 Device info [Firmware Version: 256V 46MOH101 Product type	0 Firmware updating
4600 2 WIBE 4600 PLIP 4600 PLIP 4600 PUP Brand 4600 VW GROUP 4603 4604 4608 ehcle Model Year		ANDROMEDA - 4600 Device info Firmware Version: 256V 46MOH102 Product type 46502 V/JRE Vehicle Brand	0 Firmware updating
4600 2 VURE 4600 PLB Pand 4600 PVL Brand 4600 VVV GROUP 4603-4604-4608 hicke Model Year	Program	ANDROMEDA - 460 Device Info Firmware Version: 256V 46MOH102 Product type 4600 2 WIRE	O Firmware updating
4600 2 WIDE 4600 PLID 4600 PLID 4600 PLID 4600 VIV GROUP 4603 4604 4608 ehcle Model Year	Program 🖸 Ext	ANDROMEDA - 460 Device Info (Firmware Version: 256V 46MOH102 Product type 4660 2 WIRE Vehicle Brand Vehicle Model	0 Firmware updating
4600 2 WURE 4600 PLIP 4600 PLIP 4600 PLIP 4600 PUP Brand 4600 40V GROUP 4603 4604-4608 ehide Model Year	Progam Ext	ANDROMEDA - 4600 Device info Firmware Version: 256V 46MOH102 Product type 46502 V/JRE Vehicle Brand	0 Firmware updating
4600 2 WIRE 1600 PLIP 4600 PLIP Brand 4600 VW GROUP	Program C Ext	ANDROMEDA - 460 Device Info (Firmware Version: 256V 46MOH102 Product type 4660 2 WIRE Vehicle Brand Vehicle Model	0 Firmware updating

Open the drop menu and choose the product type





#### Open the drop menu and choose the vehicle brand.

### Firmware updating

ANDROMEDA - 4600 Fi	rmware updating	
Device info		
Firmware Version: 256V 46MOH101		
Product type	Preliminary Version	🗕 4600 - Firmware Upda
4600 2 WIRE		
Vehicle Brand		
BHW	•	
v Vehicle Model		ANDROM
1		Device info
1 (E81-E82-E87-E88)	•	Firmware Version: 256V 4
1 (F20)	1	
2 Active Tourer (F45) 2 Grand Tourer (F46)		
3 (E90-E91-E92-E93)		Product type
3 (F30)		4600 2 WIRE
4 (F32-F36) KL 4 (F32-F36) RC		Vehicle Brand
		BMW
17.		Vehicle Model
	Program Exit	4 (F32-F36) KL



Open the drop menu and choose the vehicle model.

Preliminary Version
Preliminary Version
•

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ANDROMEDA - 4600 Fir	mware updating
Device info	
Firmware Version: 256V 46MOH101	
Product type	🖾 Preliminary Ver
4600 2 WIRE	r
Vehicle Brand	
BMW	1
Vehicle Model	
4 (F32-F36) KL	(
Vehicle Model Year	
2014-logic binker	(
Resume	
Vehicle Brand: BMW Vehicle Model: 4 (F32-F36) KL Vehicle Model: vea: 2014-logic blinker Firmware Version Selected: 46V2568W-122.cef Index Selected: 4400 6.de	

- Open the drop menu and choose the vehicle model year. Andromeda shows you all choices in the resume window.
- Click on program to proceed with installation.



Andromeda shows you the status of the installation.



- (A) Andromeda confirms the programming procedure has been done successfully.
- (B) Click on «New Device» if you need to program a new product with the same firmware.
- (C) Click on «Exit» to leave the programming page

### **PRELIMINARY VERSION**



C2 Level



After having read the firmware version, you can select the «Preliminary Version», if there are no any firmware available Andromeda shows you an error. Click «OK to leave the «Preliminary Version» page. If a preliminary version is available, Andromeda informs you that the firmware are not official releases. Click on «Yes» to proceed.

### **Preliminary Version**

• 4600 - Firmware Updating	
🍝 vod	afone
ANDROMEDA - 4600 I	Firmware updating
Device info	
Firmware Version: 256V 46BW-122	
Product type	Preliminary Version
1	
4600 2 WIRE (NEW 256) 4600 2 WIRE (OLD 252)	
Vehicle Model	
Vehicle Model Year	1
Resume	
<u> </u>	Program Exit

Open the drop menu and select the «Product Type». And select (new 256)

• 4600 - Firmware Updating	
🕚 vodafon	е
ANDROMEDA - 4600 Firmware u	ipdating
Device info	
Firmware Version: 256V 46BW-122	
Product type	Preliminary Version
4600 2 WIRE (NEW 256)	
Vehicle Brand	,
Audi	<b>^</b>
BMW	
Dacia	=
Fiat Ford	
Jeep	
Land Rover	
Mercedes	-
Progr	am Exit

Open the drop menu and select the «Vehicle Brand» available.

### **Preliminary Version**

• 4600 - Firmware Updating	
🍝 vod	afone
ANDROMEDA - 4600	Firmware updating
Device info	
Firmware Version: 256V 468W-122	
Product type	Preliminary Version
4600 2 WIRE (NEW 256)	
Vehicle Brand	
Audi	
Vehicle Model	
A1(8X)	<b>^</b>
A1(8X) KL	=
A3(8P)	
A3(8P) KL	
A3(8V) KL	
A3(8V) RC A4(8E)	
A4(8E) A4(8K)	
U	- U
	Program

Open the drop menu and choose the «Vehicle Model».

Device info			
Firmware Version: 256V 46BVV-122			
Product type	Preliminary Version	6 4600 - Firmware Updating	
4600 2 WIRE (NEW 256)	•	( und	-
Vehicle Brand		💧 💧 vode	arone
Audi			
Vehicle Model		ANDROMEDA - 4600 F	irmware upo
A4(F4)		Device info	
Vehicle Model Year		Firmware Version: 256V 468W-122	
2016-logic blinker		Product type	<b>I</b>
2016-power blinker		4600 2 WIRE (NEW 256)	
		Vehicle Brand	
		Audi	
		Vehicle Model	
	Program Exit	A4(F4)	
<u></u>			
	Program Exit	Vehicle Model Year	
	Program Exit	2016-logic blinker	

Open the drop menu and choose the «Vehicle Model Year» and click on «Program».

Preliminary Version

Program Ext

### **Preliminary Version**

🍝 4600 - Firmw	are Updating
	🗕 vodafone
AND	ROMEDA - 4600 Firmware updating
	The programming procedure has been done successfully. You can chose to program a new device or exit from application.
	B C
	New Device Exit

- (A) Andromeda confirms the programming procedure has been done successfully.
- (B) Click on «New Device» if you need to program a new product with the same firmware.
- (C) Click on «Exit» to leave the programming page

## SYSTEM CONFIGURATION



### **System Configuration**

6 4600 - Available tools	
	vodafone           IEDA - 4600 available tools
	Firmware updating
	System Configuration
	DC-TX Management
	Exit

Click on «System Configuration»



#### Andromeda reading the product configuration

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CFG Flename

pen CFG

ve CFG

Program

Ext Ext

👲 4600- System Conf	iguration	and the second second	
🕚 vodafone	4600 -	System configuration	
Advanced 2 0 0 0000000000000000000000000000000	0001 33333 zer Level ۱۵ ۴ ۴ 4 2	PW Version 256V 468W 122	CFG Flename
■ Reserved 3     ■ Reserved 2     ■ Reserved 2     ■ Reserved 2     ■ Reserved 1     ■ Reserved 2     ■ Reserved 2	0		Program E Ext

Andromeda reading the serial number (S/N) of the central unit, this functionality is not available for products manufactured before October 2019.

4600- System Confi	guration	(entra
🗉 vodafone	4600 - System configuration	
	01333333 <b>IV Vension</b> 2560 468W-122 <b>ar Level</b> 12 14 19 18 0,	CFG Filename
Page 7	۲	Program
Reserved 3		Bat.
• 4600- System Con		
		Ext.
● 4600- System Coni ● vodafone ੲ = s/N 0		Ent.

 To increase or decrease the buzzer level you have to move the yellow cursor.

> Remark: remember to activate the «Arming/disarming buzzer activation» to the page 6

🌢 4600- Syste	m Configuration	
🍝 voda	fone 4600 - System configuration	
3 1   [b] Alam History   [b] Aux Configuration   [b] Advanced 2   [b] Advanced 1   [b] Page 7   [b] Page 6   [b] Page 5   [b] Page 4   [b] Page 3   [b] Page 1	PASSIVE ARMING OFF OFF ON AUTO REARMING OFF OFF ON AUTO REARMING WITH CDL LOCKING OFF OFF ON PASSIVE CRANKING INHIBITION OFF ON GRAGGE MODE ENABLE OFF ON ANTI HIJACKING OFF ON CON CON CON CON CON CON CON CON CON	CFG Filename
Reserved	OFF ON	Program       Exit
	d 3         Image: Comparison of the second 2         Image: Compar	PASSIVE ARMING PASSIVE ARMING PASSIVE ARMING PAUTO REARMING AUTO REARMING OFF AUTO REARMING WITH CDL LOCKING OFF OFF OFF GARAGE MODE ENABLE OFF OFF OFF OFF OFF OFF OFF OF

- Passive Arming: Default Off
- Auto Rearming: Default Off
- Auto Rearming with CDL locking: Default Off
- **Passive cranking inhibition**: Default Off
- Garage mode enable: Default Off
- Anti-Hijacking: Default Off
- Driver Recognition pushing DC and remote control: Default Off

#### Passive arming

The system will automatically arm after 30 s the ignition key has been switched off and the driver side door has been opened and closed, so only 30 s after the driver has left the vehicle.

#### Auto Re-arming

The system will automatically re-arm after 115 s, It has been disarmed and no one door has been opened (nobody gets on the vehicle).

#### • Auto re-arming with CDL locking (only for mod. 4615-4627)

As for auto re-arming but central door locking will be locked (if the CDL connections have been made).

#### • Passive engine cranking inhibition.

The cranking inhibition becomes active after 115 s the engine has been switched OFF. It is immediately deactivated when the Driver Card is detected or when a correct emergency PIN Code has been digit on the emergency panel. This functionality is totally independent from the other ones. With this function activated and if the system is provided with the Driver Card (optional), the cracking inhibition will be deactivated only after the Driver Card recognition.

#### Garage mode

Remark: Activating the garage mode to the page 3 the default is Normal, to select it as Unlimited; you have to activate it to the Advanced 2 page.

#### Normal

This function allows to temporarily disable all protection automatic functionalities of the system. It can be used, as an example, when you need to leave the vehicle at a workshop for maintenance to avoid the automatic activation of any functionality. When the garage function is active, the driver is allowed to turn the ignition key on for 10 times (engine running).

#### Activation

- > Open driver side door.
- > Turn the ignition key ON.
- Enter the complete emergency Pin Code (4 digits) by emergency panel pushbutton.
- A flash of the direction lights and audible signal confirm the activation.

#### Deactivation

- Lock then unlock the vehicle with the original remote control.
- Five flashes of the direction lights and audible signals confirm the deactivation.

#### Garage mode

Remark: Activating the garage mode to the page 3 the default is Normal, to select it as Unlimited; you have to activate it to the Advanced 2 page.

#### Unlimited

This function allows to temporarily disable all protection automatic functionalities of the system, anti-jacking and high security system. It can be used, as an example, when you need to leave the vehicle at a workshop for maintenance to avoid the automatic activation of any functionalities. Every time the ignition key is turned on the system signals that the garage mode unlimited is activated by two flashes of blinker. With the feature activated, the system can be armed and disarmed

#### Activation

- > Open driver side door.-
- > Turn the ignition key ON.
- Enter the complete emergency Pin Code (4 digits) by emergency panel pushbutton.
- A flash of the direction lights and audible signal confirm the activation.

#### Deactivation

- > Open driver side door.
- > Turn the ignition key ON.
- Enter the complete emergency Pin Code (4 digits) by emergency panel pushbutton.
- Five flashes of the direction lights and audible signals confirm the deactivation

#### Anti hi-jacking

The anti hi-jacking is divided in Mode 1 and Mode 2 (programmed from the factory), refer to the page 7 to change the mode and function descriptions. This function helps to prevent the vehicle hi-jack while driving, taking care also to the safety of the driver. If the driver isn't recognized, the system will consider him as an unauthorized person to drive the vehicle; it will generate an alert sequence and it will not allow the engine starting after it has been switched off.

Remark: the function is as standard disabled in compliance with the European regulation. Its activation voids the CE homologation. It can be used only in the extra-European countries, if the functionality is not in conflict with the local rules.

#### Driver Recognition pushing DC and remote control

In high security disarm the user recognition occurs by pressing the pushbutton on the driver card or the combined remote control. The passive recognition via driver card is inhibited.

• 4600- System Configuration	
<b>6 vodafone</b> 4600 - System configuration	
I all INKER FLASHING BY VODAFONE REMOTE CONTROL         I all INKER FLASHING BY VODAFONE REMOTE CONFORT	CFG Filename
E provide a prov	Program

- Blinker flashing by Vodafone remote control: default Off
- Scandinavian mode : Default Off
- Horn/Pager or Loudspeaker output selection: Default Horn/Pager
- Continuous or intermittent output selection: Default Intermittent
- Automatic comfort closing: Default Off
- Manual comfort closing : Default Off
- US sensitivity reduction: Default Off
- US exclusion by external input: Default Off
#### • Direction indicators flashing by Vodafone remote control (optional)

Activating this function the direction indicators flash at the arming/disarming of the system, using the remote control.

#### Scandinavian mode

By activating this function the direction indicators will flash for about 135 s after the system detects an alert and sensitivity of ultrasonic sensors is reduced by approximately 50%.

#### Horn/pager or loudspeaker output selection

Selecting "Loudspeaker" the line 4 is automatically selected as "Continue«. Selecting "Horn / Pager" line 4 must be selected as "Intermittent"

# Continuous or intermittent output selection Select "Intermittent" when you have to install a horn. Select "Continue" when you have to install a loudspeaker.

Remark: When you have to install a clacson you must never select "Continue", the continuous input for 28 s could damaged it.

• Windows manual or automatic comfort closing by Vodafone remote control (Vodafone remote control optional and only for mod. 4615-4627).

This is a native function of the vehicle, so it is necessary to check if the vehicle provides it. You can close the vehicle and its windows keeping pressed the push-button "A" (manual way). Alternatively it can be installed a dedicated module which allows the windows closing simply pressing once the push-button "A" (automatic way).

**Warning:** we recommend to perform the windows closing remaining as close as possible to the vehicle checking visually until they are completely closed.

Ultrasonic sensors sensitivity reduction

Activating this function, the ultrasonic sensor sensitivity is reduced to about 50%. It is suggested for little passenger compartment vehicles.

#### • Ultrasonic sensors exclusion by external input

Activating this function the ultrasonic sensors are excluded. To use this function you need to connect the Pink-White wire to the vehicle device (ex. passenger compartment fan heater).

**Remark**: You must not activate it if the Pink-White wire is used for PLIP application.

٢	4600- Syst	em Configuration	
	🖲 vodo	afone 4600 - System configuration	
Reserved 2	<pre>(b Advanced 2   (b) Advanced e 4   (b) Page 3   (b) Page 1</pre>	PLATFORMS SELECTION LOCK         VILLOCK         PAGER         OFF         ON         OFF         OFF         OFF         OFF         OFF         ON         OFFF         OFF         ON         OFFF         OFF         ON         OFFF         ON         OFFF         ON         OFFF         OFF         OFF         OFF         OFF         OFF         OFF         OFF         OFF	CFG Filename
d3	1   🚯 Alarm History       🚯 Page 7   🚯 Page 6	OFF       ON         WINDOWS DEDICATED COMFORT CLOSURE OUTPUT DELAY         OFF       ON         ALARM ON NEGATIVE OUTPUP DELAY         OFF       ON         AMERICAN STYLE CENTRAL DOOR LOCKING	
Reserved	Reserved 1	OFF ON	Program Exit

- **Platform Selection Lock**: Default Unlock
- Pager: Default On
- Panic: Default Off
- Car Finder: Default Off
- Windows Dedicated Comfort Closure Output: Default Off
- Windows Dedicated Comfort Closure Output Delay: Default Off
- Alarm On negative Output Delay: Default Off
- American Style Central Door Locking: Default Off

### • Platforms selection lock

Activating this function the manual selection of the CAN or PLIP index is locked.

#### Pager negative output

The Pager output is setted "active" from the Factory, and is activated at every alarm cycle. Refer to the Aux Configuration page.

#### Panic alarm by Vodafone remote control (Vodafone remote control optional)

Activating this function you can generate a panic alarm for 10 s, pressing the push-button "A" of the remote control as soon as the 28 s inhibition time has elapsed, after the system has been armed.

#### • Car finder (By Vodafone remote control optional)

Activating this function you can generate the direction lights flashing and the buzzer audible signal for 10 s, pressing the pushbutton "A" of the remote control as soon as the 28 s inhibition time has elapsed, after the system has been armed.

#### • Windows dedicated comfort closure output (Refer to Aux Configuration page)

Activating this function you can generate a negative 24 s output which allows the windows closure when the system arms.

Remark: Refer to the Aux Configuration page

Windows separated comfort closure output delay

Activating this function the functionality described on above step is delayed 2s.

• Alarm on negative output delay

Activating this function the negative output for the external module control is delayed 2 s after the system has been armed.

#### • American style central door locking (By Vodafone remote control optional)

Activating this function and pressing the remote control "B" push-button, the system disarms and the driver door unlocks, a further pressure of "B" push-button unlocks all doors.

Remark: Refer to the Aux Configuration page

🧕 4600- Syste	m Configuration	
🍝 voda	fone 4600 - System configuration	
arved 2 3n   [1]b Advanced 2   [1]b Advanced [1]b Page 4   [1]b Page 3   [1]b Page 1	AUTOMATIC CDL LOCK WHILE VEHICLE RUNNING	CFG Filename
Aux Configuration	DRIVER RECOGNITION FROM POSITIVE INPUT	
Alarm Histoor age 7 (1) Page 6	PAGER AT THE 2ND ANTI HIJACK ALARM CYCLE	
	ARMING/DISARMING BUZZER ACTIVATION	
Reserved 3		Program Exit

- Automatic CDL Lock While Vehicle Running: Default Off
- Driver Recognition From Positive Input: Default Off
- Pager At The Second Anti-Hijacking Alarm Cycle: Default Off
- High Security System Disarming: Default Off
- Arming/Disarming Buzzer Activation: Default Off

#### Automatic CDL lock while vehicle running

If the vehicle is not already provided with this functionality, overtaking the speed of 10 km/h the system locks the doors. If you drive at lower speed (between 3 and 10 Km/h) the system locks the doors after 10 s. By turning the ignition key off the vehicle doors automatically, unlock. To use this function you have to connect the cdl control wires to the cdl system of the vehicle and the Pink-Black wire to the odometer wire of the car.

#### • Driver recognition from positive input

Activating this function, the driver is recognized from the system by the pressure of a push-button hidden in the vehicle. To use this function you have to connect the Pink-White wire. You must not to activate it if the Pink-White wire is used by PLIP application.

• Pager output activated at the second alarm cycle during anti hi-jack

Activating this function the pager output activates at the second alarm cycle.

#### High security system disarming

Pressing the central door locking unlock push-button of the original remote control, the system delays for 30 s the detection of the perimetric inputs, boot and ultrasonic sensors to allow the owner recognition. The owner is recognized by the system in three different ways: digiting the first two digits of the Pin Code on the control panel, pressing an external button or by the Driver Card if it is stored. If recognized, the system disarms. If the owner is not recognized, opening one of the doors or the boot, the system generates an alert after the 30 s are elapsed.

#### Arming/Disarmingbuzzeractivation

Activating this function, the buzzer sounds when the system is armed/disarmed. The buzzer volume is setted from Factory at level 4. To modify the buzzer volume, follow the procedure on page 1.

4	🌢 4600- Syste	em Configuration	
	🍝 vodo	Ifone 4600 - System configuration	
1	: 1 10 Advanced le 3 1 10 Page 1	US VOLUMETRIC PROTECTION DEACTIVATED WHEN INDOWS ARE LEFT OPENED	CFG Filename
	srved 2 on	CEILING LAMP RECOGNITION DELAY DURING ARMING	Open CFG Save CFG
	Configuration         Aux Configuration         Configuration	OFF ON	
	I have the first of the first o	DRIVER DOOR INPUT POSITIVE SELECTION       PANIC FROM EXTERNAL INPUT	
	Reserved 3 Reserved 1 B Page 8		Program

- US volumetric protection deactivated when the windows are left opened: Default Off
- Ceiling lamp recognition delay during arming: Default
   Off
- Anti-Hijacking Mode: Default: Of (Off= Mode2, ON = Mode1).
- **Driver door input positive selection:** Default Off
- Panic from external input: Default Off

#### • US volumetric protection deactivated when windows are left opened

Activating this function, the automatic ultrasonic sensors deactivation at the arming It is deactivated if the windows are left opened.

#### Ceiling lamp recognition delay during arming

Activating the function, the ceiling lamp is detected 7 s after the system has been armed, to avoid the error message before its shutdown. The delay time can be adjusted at the advanced page.

The function is active for both polarities (Negative Blue-Pinkwire) (Positive Pink-Blackwire).

Activate the line 5 of this page to use the positive input.

#### Anti Hi-jacking modes

#### Mode 1

Anti Hi-jacking activation at the door opening and single driver Card recognition. During the normal usage of the vehicle the owner is recognized by the system in three ways: by entering the first two Pin Code digits on the emergency panel, pressing an external button (Activating the feature to the point 7.23) or by the Driver Card if it is stored.

The owner must be recognized by the system every time the ignition key is switched on or when, with the ignition key on, the driver door is opened. If the recognition doesn't happen within 60 s the LED of the system starts to flash quickly, reporting the failed recognition for further 30 s. Expired this time, the system generates an alert sequence with the engine on or off, for which the sequence may occur while driving. The engine cranking inhibition becomes active when the ignition key is off, making it impossible the engine cranking. To exit the anti hi-jack function, close the door and enter the four digits of the Pin Code or press the external button or by the Driver Card recognition, if it is switched off, to deactivate the anti hi-jacking press the pushbutton of the Driver Card to allow the recognition.

Warning: to temporarily deactivate the anti hi-jack function (Driver Card broken or flat battery), entering the two first digits of the Pin Code. The function will become active again at the driver door opening when the ignition key is on or by turning the ignition key OFF and ON.

#### Anti Hi-jacking modes

#### Mode 2

Anti Hi-jacking activation at the door opening and closing and continuous Driver Card recognition. During the normal usage of the vehicle the owner is recognized by the system in three ways: by entering the first two Pin Code digits on the emergency panel, pressing an external button (Activating the feature to the point 7.23) or by the Driver Card if it is stored. The system every time the ignition key is switched on or when, with the ignition key on, the driver door is opened and closed must recognize the owner. If the recognition doesn't happen within 60 s the LED of the system starts to flash quickly, reporting the failed recognition for further 30 s. Expired this time, the system generates an alert sequence with the engine on or off, for which the sequence may occur while driving. The engine cranking inhibition becomes active when the ignition key is off, making it impossible the engine cranking. To exit the anti hi-jack function, enter the four digits of the Pin Code or press the external button or by the Driver Card recognition, if it is switched off, to deactivate the anti hi-jacking press the push-button of the Driver Card to allow the recognition.

Warning: to temporarily deactivate the anti hi-jack function (Driver Card broken or flat battery), entering the two first digits of the Pin Code. The function will become active again when the driver door is opened and closed, when the ignition key is on or by turning the ignition key OFF and ON.

#### • Input selection of the positive driver's door

This function allows you to select the Pink-Black wire as positive input.

By activating this function, the automatic CDL lock while vehicle running must not be used.

#### • Panic alarm from external positive input.

Activating this function there is a panic alarm for 10 s each time the system detects a positive signal on the Pink-White wire; after the inhibition period of 28 s.

Remark: you must not activate this feature if the Pink-White wire is used by PLIP application

C2 General

ed 1	BATTERY BACKUP SIREN BY COBRA BUS	CFG Filename
🚯 Advanced	OFF ON	^
vdvanc =		Open CFG
Reserved 1         III: Adam History         III: Advanced 2           Page 8         III: Page 7         III: Page 6         III: Page 3	IMMOBILIZER 1 BY COBRA BUS OFF OFF OFF ON ON ON	Save CFG

- Battery back-up siren by Cobra Bus: Deafult Off
- Immobilizer 1 By Cobra Bus: Default Off
- Immobilizer 2 By Cobra Bus: Default Off

**!** Warning: if one or more modules are connected to the Cobra Bus, if one of them has been disconnected, the system will report the missed module when arming with 8 to 12 flashings of the indicator lights and corresponding audible signals.

### System Configuration - Advanced

🥌 4600- System C	onfiguration						<u></u>		
🌢 vodal	fone	4600 -	Systen	n config	guratio	n			
Page 8 1 1 Page 7 1 1 Page 6 1 1 Page 5 1 1 Page 4 1 1 Page 3 1 1 Page 1 Reserved 3 2 Reserved 2 Reserved 1 1 1 1 Amm History 1 1 Aux Configuration 1 1 Advanced 2	PIN CODE ANTIHIJAC 90s CLOSING O OFF DELAY OF O ALARM ON OFF DRIVER RE	K TIME JTPUT OF THI EILING LAMP	e CDL AFTER P DETECTION	R ARMING BY	Y CAN MING 	(1111) 1205 0N		ename Open Save e Prog	CFG
<u> </u>									

- **Pin Code:** Read by connected product
- Anti Hi-jacking time: Default
- Closing output of the CDL after having armed by CAN: Default Off
- Delay of ceiling lamp detection to the arming: Default 7 s
- Alarm ON output: Default ON
- Driver recognition by pressing DC or TX pushbutton: Default Off
- Acoustic signal during pre-disarm condition: Default Off

### System Configuration - Advanced

#### • Pin Code

The Pin Code read from the connected product, It is shown on the square. If you need to modify it, you have to digit the new desidered four numbers. Warning: The number 0 cannot be used and keep in mind that you must ever use four numbers

### Anti Hi-jacking time

The anti hi-jacking activation time can be increased from 90 s to 120 s.

#### Closing output of the CDL after having armed by CAN

Activating this feature, You get a negative output from the closing CDL control wire (Only for 4615 and 4627)

#### Delay of ceiling lamp detection to the arming

The detection time of the ceiling lamp can be increased or decrease. The analogic wire (Blue-Pink negative input or Pink-Black positive input after having activated the line 5 of the page 7) must be connected to the ceiling lamp.

#### • Alarm ON output

After having armed the system, you get a negative output from the Brown wire, which can be used to control the external module.

### **System Configuration - Advanced**

#### • Driver recognition by pressing DC or TX pushbutton

After having activated this feature the system can be disarmed by pressed the pushbutton of the Driver card or the Vodafone remote control when the High security system disarming is activated. This feature can avoid the relay attack.

#### • Acoustic signal during pre-disarming condition

After having activated this feature, you get an acoustic signal when the system is in pre-disarming mode and search the driver card when the High security system disarming is activated.

(It is available for both following features, Standard Driver Card recognition or Driver recognition by pressing DC or TX pushbutton).

### System Configuration – Advanced 2

2	GARAGE MODE TYPE	CFG Filename
🚺 Advanced	OFF ON	^
~	IGNITION KEY ON DETECTION ONLY BY ANALOGIC WIRE	
Advanced 2	OFF ON	Open CFG
ed 2	DISABLE 868 MHZ TRANSMISSION	Save CFG
Aux Configuration	ENABLED DISABLED	
Aux Co		
_		
🚺 Alarm History		
AL C		
Reserved 1 Reserved 1		Program
Reserved Reserved		Exit

- **Garage mode type:** Default : Normal (Refer the descriptions to page 3)
- Ignition key ON detection only by analogic wire: Default OFF
- Disable 868 Mhz transmission: Default : Disable

### System Configuration – Advanced 2

#### Ignition key ON detection only by analogic wire

This function allows to detect the ignition ON only by analogic wire after its activation and after having performed the procedure. The detection from the CAN network will be deactivated.

#### Activation

- Connect the Green-Red wire to the +15/54ignition wire of the car.
- > Turn on the Ignition key.
- The Ignition key On by CAN network is deactivated, It will be detected only by analogic wire

#### Deactivation

- Disconnect the Green-Red wire from the +15/54ignition wire of the car.
- Disconnect the power supply of the system.
- Re-connecting the power supply to the system
- > The Ignition key On by CAN network is re-activated.

#### Disable 868 Mhz transmission

• This functionality inhibits the transmission 868 MHz (wireless siren) to obtain the best radio frequency reception 433Mhz (driver card).

### System Configuration – AUX Configuration

P		600 - System			CFG File	ename
🚺 Advanced						
-	ALARM ON OU	TPUT ON AUX Nº				
ed 2	AUX1	AUX2	AUX3	AUX4		
Advanced 2	PAGER OUTPUT	r on aux nº				Open CF
D AG	1	AUX2	1			Save CFC
Reserved 2	AUX1	AUX2	AUX3	AUX4		Save Cr
		DICATED COMFORT CLO	SURE OUTPUT ON A	AUX Nº		
🕼 Aux Configuration	AUX1	AUX2	AUX3	AUX4		
Aux	AUX1			AUX4		
🚺 Alarm History	AUX1	AUX2		AUX4		

- Alarm On output on AUX n°: Default Aux 1
  - Pager output on AUX n°: Default AUX 3

۲

٠

- Windows dedicated comfort closing output on AUX n°: Default AUX 2
- American style output on AUX n°: Default AUX 2

### System Configuration – AUX Configuration

It is possible to move the features from standard AUX to other Aux. Pay attention to the Alarm On output because It is ever activated, if you want to move to another AUX the other features must be deactivated before.

Warning: The 462X and 469X series are not equipped with the Aux2 and Aux3 outputs.

- The Aux4 output can be used only if the application doesn't provide the logic or the level blinker control. The picture shows the factory values.
- The features can be directed on the desired Aux.
- Be careful not to move more features active on the same Aux.

AUX	461X	462X	469X
1	Brown	Brown	Brown
2	Orange-White	Not available	Not available
3	Violet-White	Not available	Not available
4	Yellow-White	Yellow-White	Yellow-White

## System Configuration – Alarm History



- The system can store 16 events, the latest event is the number 1, when an event will be added the 16th event will be deleted form the last events» but It is still available in the «counters».
- Driver door
- US/External US= Internal US sensors or External US sensors module by Cobra Bus
- Bonnet
- IGN=Ignition ON
- Boot
- External Sensor= Microwave or Level monitor by analog input
- **Other doors**= Passengers doors
- Tamper siren
- **Generic module**= Level monitor by Cobra BUS
- **Mwave 1 e 2**= Microwave 1 e 2 by Cobra BUS

## System Configuration – Alarm History

4600- System ( <b>voda</b>		- 0 X
- P	COUNTERS	CFG Filename
i   [[] Page 5   [[] Page 4   [[] Page 3   [[] Page 1 	0     DRIVER DOOR     0     TAMPER SIREN       0     US/EXTERNAL US     0     GENERIC MODULE       0     BONNET     0     MWAVE 1/2       0     BOOT     0     EXTERNAL SI       0     EXTERNAL SI     Alarm history successfully erased.       0     OK	Open CFG Save CFG
9 -	LAST EVENTS	
🚯 Page 8   🚯 Page 7   🚯 Page 6 🔐 Reserved 3 🔐 Reserved 1   🚯 Alarm History   👔	EVENT         A           1 (LATEST)	Program

- 1. Clicking ON «Erase alarm memory» you can erase all events stored in the system.
- 2. Click «OK» to proceed with the procedure

# HOW TO SAVE OR UPLOAD A .CFG FILE

C2 Level

🧕 4600- Syst	em Configuration	
🗕 🕑 vodo	afone 4600 - System configuration	
Beserved 3     Reserved 2     Reserved 2     RP Advanced 2     RP Advanced     RP Advanced 2     RP Advanced     RP Page 5     RP Page 5     RP Page 3     RP Page 1	S/N 00001 333333 PW Version 256V 46BW-122 Buzzer Level	CFG Filename
Pa 🗧 🧧		Exit

After having modified any features in any available page, It is possible to program the connected system to click on «Program».

- You can also save the «configuration file» on your PC clicking on «Save CFG».
- To upload a saved cfg file from your computer you have to click on «Open CFG».

• 4600- System Configuration				
<b>6 vodafone</b> 4600 - System configuration		Save configuration file		
₽ - S/N 00001 333333 FW Version 256V 46BW-122	CFG Filename	🕒 🗢 🕨 Librari	es      Documents      4600 dedicated CFG	- 4+ Search 4600 dedicated 🔎
Buzzer Level 256V 46BW-122 Buzzer Level 12 14 16 12 14 18		Organize • New fo	ider	ш· 0
10 ' 20		Favorites	Documents library     4600 dedicated CFG	Arrange by: Folder •
426	Open CFG	Downloads Recent Places	Name -	Date modified
27	Save CFG	🞇 Libraries	No items mate	ch your search.
		3 Documents		
Jux Configure		J Music		
		Pictures Uideos		
		.s videos		
Page 7 III: Page 6		Computer	• • •	
		File name: VV	N passat 2017	•
Page 7		Save as type: 46	xx configuration file (*.cfg)	•
Reserved 1 8 apert	Program	Hide Folders		OK Cancel

Click on «Save CFG» and save your cfg on your computer. You can use the saved configuration as dedicated customer request.

6 4600- System Configuration	
<b>6 vodafone</b> 4600 - System configuration	Load configuration file
Buzzer Level         CFG Flename	
	← → ∽ ↑ Greca in 46xx dedicated CFG v O Cerca in 46xx dedicated CFG
	Organizza 🔻 Nuova cartella
624 Doen O	Questo PC Nome Ultima modifica
1         1         -26           N         2         -28	Desktop DvW Tiguan 2018.cfg 08/08/2018 10:57
	🗐 Documenti
Aux Comfour	- Download
	🔚 Immagini
	b Musica
Alarm Hstory	🗊 Oggetti 3D
	Video
	Disco locale (C:) V <
	Nome file: VW Tiguan 2018.cfg ~ 46xx configuration file (*.cfg) ~
A A A A A A A A A A A A A A A A A A A	OK Annulla

Click on «Open CFG» to upload the saved cfg from your computer and click on to «Program» to program the connected system



Click on the file and then click on «Program» to program the connected system

# FIRMWARE AND CONFIGURATION UPDATING

C2 Level





This functionality allows to select the firmware and the CFG in a single page of Andromeda and subsequently to program the product in sequence

Andromeda reads the stored firmware version

200



Open the drop menu and choose the product type

🜢 4600 - Firmware and Configuration Updating 🛛 – 🔅 🖂			4600 - Firmware and Configuration Updating	- a x
🕚 vodafone			🍝 vo	dafone
ANDROMEDA - 4600 FW and Configuration Updating			ANDROMEDA - 4600 FW a Device info	and Configuration Updatin
Device info			Firmware Version: 256V 468W-122	
			Product type	Preliminary Version
Product type Preliminary Version			4600 2 WIRE	
•	4600 - Firmware and Configuration Updating		Vehicle Brand	
4600 1 WIRE	(A) and a			
4600 2 WIRE 4600 PLB 4600 PLB Brand 4600 VW GROUP	ANDROMEDA - 4600 FW and		Alfa Romeo Audi BMW Chrysler Chrysler	^
4693-4696-4698 Vehicle Model Year	Firmware Version: 256V 46AG-135		Dacia Fiat Ford	ļ
File Path Control	Product type	Preliminary Version	199	- 41
[ed]	4600 2 WIRE	•	Resume	
Resume	Vehicle Brand			
		•		•
,	Vehicle Model			Program Ext
	Vehicle Model Year		1	
Program Ext		•		
	File Path Control			
	8			
	Resume			
		<b>`</b>		
	2	Program		



Open the drop menu and choose the Vehicle brand



C2 General

Open the drop menu and choose the vehicle model

ANDROMEDA - 4600 FW and C			ANDROMEDA - 4600 FW and Device info Firmware Version: 256V 468W-122	afone Configuration Updating	4600 - Firmware and Configuration Updating	
Firmware Version: 256V 468W-122			Product type	Preliminary Version	🌔 voda	fone
Product type	Preliminary Version		4600 2 WIRE			
4600 2 WIRE			Vehicle Brand		ANDROMEDA - 4600 FW and Co	onfiguration Undatin
Vehicle Brand	series.		Volkswagen	•	Device info	binguration optiating
Volkswagen			Vehicle Model		Firmware Version: 256V 468W-122	
		● 4600 - Firmware and Configuration Updating -	Tiguan (SN) RC	(m)		
Vehicle Model			Vehicle Nodel Year		Product type	Preliminary Version
Amarok		🕚 vodafone	1	•	4600 2 WIRE	
Arteon			2007-logic blnker 2011-logic blnker		Vehicle Brand	
Caddy Caddy (2K)		ANDROMEDA - 4600 FW and Configuration Updat Device info	2014-logic blnker		Volkswagen	
Crafter		Firmware Version: 256V 468W-122	2016-logic blnker 2018-logic blnker		Vehicle Model	
Crafter (ST) RC Crafter (SY)					Tiguan (SN) RC	-
Eos (1F)		Product type Preliminary Ver	sion	v	Vehicle Model Year	
		Vehicle Brand	1	Program Ext	2018-logic blinker	
	v .	Vokowagen .		Car riogram	The second se	
	Program Exit	Vehicle Model			File Path Control	1
	Program	Tiguan (SN) RC			A <not a="" path=""></not>	
		Vehicle Model Year	ล		Resume	)
		File Path Control			Firmware Version Selected: 46V256AG-135.cef	^
		N In			Index Selected: 4400_3.dia Config File: <not a="" path=""></not>	×
		Reizime				
						🗣 Program 🛛 🛛 Ext

Open the drop menu and choose the vehicle model year. Andromeda shows you all choices in the resume window. Click on program to proceed with installation

4600 - Firmware and Configuration Updating     Vodaf	one					4600 - Firmware and Configuration Updating     Vodafe	one
ANDROMEDA - 4600 FW and Co Device Info Firmware Version: 256V 468W-122	nfiguration Updating	Load configuration file			×	ANDROMEDA - 4600 FW and Conf Device info Firmware Version: 256V 468W-122	iguration Updating
Product type	Preliminary Version	← → → ↑ 📒 « Docume	nti≯ 46xx	dedicated CFG 🛛 🗸 Õ	, Cerca in 46xx dedicated CFG	Product type	Preliminary Version
4600 2 WIRE		Organizza 👻 Nuova cartella			Ja • 🖬 😗	4600 2 WIRE	•
		Questo PC	^	Nome	Ultima modifica	Vehicle Brand	
Vehicle Brand		Desktop		WW Tiguan 2018.cfg	08/08/2018 10:57	Volkswagen	
Volkswagen	•	Documenti				Vehicle Model	
Vehicle Model		- Download				Tiguan (5N) RC	•
Tiguan (5N) RC	•	📰 Immagini				Vehicle Model Year	
Vehicle Model Year		Musica				2018-logic blinker	•
2018-logic blinker	D)	Video				File Path Control	
		Disco locale (C:)	~	<	,	C:\46xx dedicated CFG\VW Tiguan 2018.cfg	
File Path Control		Nome file:	VW Tiguan 2	2018.cfg	→ 46xx configuration file (*.cfg) →	Resume	
S <not a="" path=""></not>				1976	OK Annulla	Firmware Version Selected: 46V256AG-135.cef	A
Resume					the second se	Index Selected: 4400_3.dia	
Firmwer Version Selected: 46V256AG-135.cef Index Selected: 4400_3.dia Config File: <not a="" path=""></not>	•					Config File: C:\46ix: dedicated CFG\VW Tiguan 2018.cfg	Program Exit
	Program						

- Click on «Folder» to upload the saved cfg from your computer
- Click on to «Program» to program the connected system



Andromeda shows you the status of the installation



- (A) Andromeda confirms the programming procedure has been done successfully.
- (B) Click on «New Device» if you need to program a new product with the same firmware.
- (C) Click on «Exit» to leave the programming page

# **DC-TX MANAGEMENT**



## **DC-TX management**

	6	vodafone	
A	DROME	DA - 4600 DC-TX Manager	nent
		Auto Learning	
		Erase DC-TX Stored	
		Exit	

Features available on the 4600 DC-TX management page:

Auto learning: You can store some Vodafone driver cards or remote controls.

Click on «Auto learning» to continue.

Erase DC-TX stored: You can erase the Vodafone driver cards or remote control stored before.

Exit: Click on «Exit» to leave 4600 DC-TX management



Click on «Start DC-TX autolearning» to proceed or «Exit» to go back to 4600 DC-TX management page
### **DC-TX management**

Autolea	rning mode
	Connect the Control Panel to the device and the bonnet wire to the ground than click on "YES" button.
	Yes No

Auto learning.

You have to connect the led control panel to the system and the Blue wire to the ground, click on «Yes» to proceed



- After clicking «Yes», you have 30 seconds to store up to 4 driver cards or remote controls.
- Press and hold the button of driver card or remote control for about 2 seconds.
- The system will confirm after 5 seconds with a flashing led that It has been stored, proceed with the same procedure for the other devices to be stored one at a time, for each stored device the system confirms with a flashing led after 1 s for each stored

# **5365 SOFTWARE UPDATING**

#### 5365 Software updating

Power supply      Please, connect the device and turn on the power supply.      When the device has been connected click on "OK" button.	CAProgram Files (x86)/Cobra/ANDROMEDA/data/hc08sprg.exe       hc98sprg     Developer's Serial Bootloader for HC(S)98 - \$Version: 1.0.27.8\$       FC protocol versions supported: 1 (AC689, 2 < \$989), 3 < large HC98>       See Freescale Application Note AN2295.       Waiting for HC98 reset ACK	• Po	<ul> <li>bwer supply</li> <li>1. Disconnect the 2-way white connector of the power supply then, click on "OK" button.</li> <li>2. When the command prompt is shown ("waiting for HC08 reset ACK" is readeable on the prompt window) reconnect the 2-way white connector of the power supply.</li> <li>3. Write "Y" on the keyboard then click on <enter> to start</enter></li> </ul>
ОК			the programming procedure.

#### Click "OK"

#### 5365 Software updating

C:\Program Files (x86)\Cobra\ANDROMEDA\data\hc08sprg.exe

hc08sprg – Developer's Serial Bootloader for HC(\$)08 – \$Version: 1.0.27.0\$ FC protocol versions supported: 1 (HC08), 2 (\$08), 3 (large HC08) See Freescale Application Note AN2295.

\_ **D** X

Waiting for HCO8 reset ACK...received 0xfc (good). Bootloader protocol version: 0x02 (read command supported) Bootloader version string: AW16 System device ID: 0x012 [unknown [ID too high]] rev. 1 Number of memory blocks: 1 Memory block #1: 0xC000-0xFDCB Erase block size: 512 bytes Write block size: 64 bytes Original vector table: 0xFPCC-0xFDFF New vector table: 0xFDCC-0xFDFF

\$19 image will not fit into available memory (at address 0x0220)!

Are you sure to program part? [y/N]: 🛓

Digit «Y» and then click on «Enter» to start the installation procedure.

X C:\Program Files (x86)\Cobra\ANDROMEDA\data\hc08sprg.exe hc08sprg - Developer's Serial Bootloader for HC(S)08 - \$Version: 1.0.27.0\$ FC protocol versions supported: 1 (HC08), 2 (S08), 3 (large HC08) See Freescale Application Note AN2295. Waiting for HCO8 reset ACK...received Oxfc (good). Bootloader protocol version: 0x02 (read command supported) Bootloader version string: AW16 System device ID: 0x012 [unknown [ID too high]] rev. 1 Number of memory blocks: 1 Memoru block #1: 0xC000-0xFDCB Erase block size: 512 bytes Write block size: 64 bytes Original vector table: 0xFFCC-0xFFFF New vector table: 0xFDCC-0xFDFF \$19 image will not fit into available memory (at address 0x0220)! Are you sure to program part? [y/N]: y Memory programming: W 0xC980 16%

#### The software is in updating

# SCD20 CAN TOOLS

QFP

# **PROGRAMMING TOOL**

SCD20 - Available tools		
6	vodafo	ne
ANDROME	DA - SCD20 Avail	able Tools
	Programming Tool	
	Display	
Г	]	
	Exit	



Click on «Programming tool» to proceed

Click on «CAN Table» to proceed.



C2 General

SC20 - CAN Table Programming Module	SC20 - CAN Table Programming Module	
🗕 vodafone	🍝 voda	Ifone
ANDROMEDA - SCD20 Can Table Programming	ANDROMEDA - SCD20 Can	Table Programming
Serial Port	Serial Port	
-		
Device Info	СОМЗ	
	COM5	
Vehicle Brand	U	
venicie Brand	Vehicle Brand	Preliminary Version
Vehicle Model		•
	Vehicle Model	
Vehicle Model Year		
	Vehicle Model Year	
Resume		
	Resume	
Ext		Exit

Open the drop menu and select the available Com port, if the selection is correct, the stored firmware and CAN table version are shown

rial Port	
COMS	
wice Info	
Can Table Version: 0001030007125	Preliminary Version
Alfa Romeo	
Audi	1
BMW	
Chrysler	
Citroen Daca	
Fat	



Open the drop menu and select the «Vehicle Brand» available

ANDROMEDA - SCD	20 Can Table Programming
COM5	
evice Info	
Firmware Version: 000100010062 Can Table Version: 0001030007125	
ehicle Brand	Preliminary Version
Audi	•
ehicle Model	
	1
A1(8X)	
A1(8X) KL	1
A3(8P)	13
A3(8P) KL	
A3(8V) KL	
A3(8V) RC	
A4(8E)	

Seral Port	Table Programming
COMS	1
Device Info	
Firmware Version: 000100010062 Can Table Version: 0001030007125	
Vehicle Brand	🗆 Preliminary Versi
Audi	
Vehicle Model	
A4(8K)	1
Vehicle Model Year	
	5
Resume	

#### Open the drop menu and select the «Vehicle Model».

Programming tool	SC20 - CAN Table Programming Module     Vodafone
C20 - CAN Table Programming Module	ANDROMEDA - SCD20 Can Table Programming Swarbo Cons Orves 3r6 Wat. Wat. Wat. Wat. MDROMEDA - 4600 FW and Configuration Updating
Immarker Version: 000300007125 Immarker Version: 000300007125 Ince Hodel Ince Hodel In	wine       Week and the programming procedure has been done successfully. You can chose to program a new device or exit from application.         Week and S0238-C400(203322.com       Image: Programming income to programming procedure has been done successfully. You can chose to program a new device or exit from application.
Z008 Rescree Vencke Brandt: Aud Vencke Model: A4(9k) Vencke Model: A4(9k) Program Re CAI Selected: 50229-C-0001030125-can Program R Ext	B C New Device Ext

Open the drop menu and select the «Vehicle Model Year» and click on «Program».

(A) Andromeda confirms the programming procedure has been done successfully.

- **(B)** Click on «New Device» if you need to program a new product with the same firmware.
- (C) Click on «Exit» to leave the programming page

# **PRELIMINARY VERSION**

C2 Level



After having read the firmware version, you can select the «Preliminary Version», if there are no any firmware available Andromeda shows you an error. Click «OK to leave the «Preliminary Version» page

SC20 - CAN Table Programming Module	Preliminary Version Warning
vodafone  ANDROMEDA - SCD20 Can Table Programming  Serial Port  Coms Device Info	WARNING: The preliminary version CAN Table are not official releases. Are you sure you want to continue?
Firmware Version: 000100010062 Can Table Version: 0001052001100 Vehicle Brand Preliminary Version Vehicle Model	
Vehicle Model Year	
Ext	Yes No

If a preliminary version is available, Andromeda informs you that the firmware are not official releases. Click on «Yes» to proceed

SC20 - CAN Table Programming Module		
🍝 vod	afone	
ANDROMEDA - SCD20 Ca eral Port	n Table Programming	
COM5		
COM5 evice Info		
		• SC20 - CAN Ta

	Module
6	odafone
	darone
ANDROMEDA - SCD2	0 Can Table Programming
Seral Port	
CONS	•
ievice Info	
Pirmware Version: 000100010062 Can Table Version: 0001052001100	
/ehicle Brand	S Preliminary Version
Renault	-
rehicle Model	
rehicle Model Year	
rehicle Model Year	
rehicle Model Year	•

Open the drop menu and select the «Vehicle Brand» available.

Ext.

levice info	Firmware updating	
Firmware Version: 252V 468W-118		
roduct type	Preliminary Version	
4600 2 WIRE	· · · · ·	
ehicle Brand		
Maserati	T	4600 - Firmware Upda
ehicle Model		4
Levante		
esume		ANDROME
esume		evice info
	E L	Firmware Version: 252V 4
	Pr	oduct type
	🗣 Program 🚺 Ext	4600 2 WIRE
	, vi	ehicle Brand
		Maserati
	v	ehicle Model
		Levante
	v	ehicle Model Year



Open the drop menu and select the «Vehicle Model».

Vehicle Model Year

Resume

ANDROMEDA - 4600 Firmware updating Device Info			
Firmware Version: 252V 468W-118			
roduct type	Preliminary Version		
4600 2 WIRE	•		
ehide Brand			
Maserati			
ehicle Model			
Levante			
ehicle Model Year			
1			
2017-logic blinker			



Open the drop menu and select the «Vehicle Model Year» and click on «Program».



- (A) Andromeda confirms the programming procedure has been done successfully.
- (B) Click on «New Device» if you need to program a new product with the same firmware.
- (C) Click on «Exit» to leave the programming page

# DISPLAY



	🌢 vodafone	
ANDR	OMEDA - SCD20 Available Te	ools
	Programming Tool	
	Display	
	Exit	
	Exit	

Click on «Display» to proceed.





Open the drop menu and select the available "Com" port



The «Display» allow you to check some feature by CAN network as:

- ✓ System arming System disarming Ignition key Off Ignition key ON
- ✓ Transponder recognition KO Transponder recognition OK Driver door recognition
- ✓ Rear driver door recognition
- ✓ Front passenger door recognition
- ✓ Rear passenger door recognition Bonnet recognition
- ✓ Boot recognition





- Lock the central door locking by pressing the closing pushbutton on the original remote control. The color of the remote control becomes red, It means the system is armed.
- Unlock the central door locking by pressing the closing pushbutton on the original remote control. The color of the remote control becomes green, It means the system is disarmed.





Open the driver door and check on the display if it is recognized





## Open the rear driver and check on the display if it is recognized





Open the rear passenger door and check on the display if it is recognized





## Open the front passenger door and check on the display if it is recognized









Open the rear passenger door and check on the display if it is recognized

Open the front passenger door and check on the display if it is recognized

C2 General



Turn the ignition on and check on the display if the ignition ON and Transponder OK (Only if It is managed by CAN software) are recognized, after having checked them turn the ignition off and take off the ignition key

Ext



#### Click on «Exit» to leave the Display tool

