

	<h2 style="margin: 0;">UNICO DUAL PLUS 1C INSTALLATION MANUAL</h2>	
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**READ THE MANUAL CAREFULLY BEFORE CONTACTING TECHNICAL SUPPORT**

**UNICO DUAL PLUS 1C** is an adapter for connecting OEM steering wheel controls.

Its compatibility is for vehicles with **CANBUS 1 wire (GM LAN)**.

The unit recovers the steering wheel controls, the service outputs: ignition, lights, reverse, handbrake and speed signal (the presence of the outputs varies from vehicle to vehicle), and the alarm sounds of the original system (via external active buzzer).

**The display is not recovered.** The selection of the canbus protocol is in AUTO SELECTION.

RADIO compatibility is for the brands: **CLARION - KENWOOD - JVC - ALPINE - PIONEER - SONY** equipped with wire input / JACK for remote control, to radios with resistive steering wheel control learning, and to the car radios listed in the table that can be viewed by framing the QR code RADIO LIST on page 3.

**ATTENTION THE PHONE BUTTONS ARE NOT MANAGED WITH PIONEER AND SONY RADIOS.**

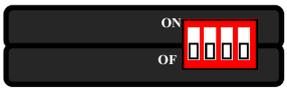
**For correct installation please follow the steps described in this document:**

**STEP NUMBER 1: DIP SWITCHES**

The module has 4 DIP SWITCHES.

They are not to be used unless the module needs to be updated.

Follow the table below.

 <b>SET DIP SWITCHES WITH UNICO DUAL MODULE NOT POWERED</b> 		
CANBUS 1C PROTOCOL	TUTTI OFF	
MODULE UPDATE	DIP 4 ON	


**USE DIP SWITCH 4 FOR UPDATE,  
ONCE THE OPERATION IS COMPLETED, TURN IT BACK TO OFF**




**WARRANTY**

**THIS PRODUCT IS COVERED BY TWO-YEAR GUARANTEE FOR ANY MANUFACTURING TROUBLES.**

**THE WARRANTY IS VALID IF ACCOMPANIED BY THE INVOICE OF PURCHASE**

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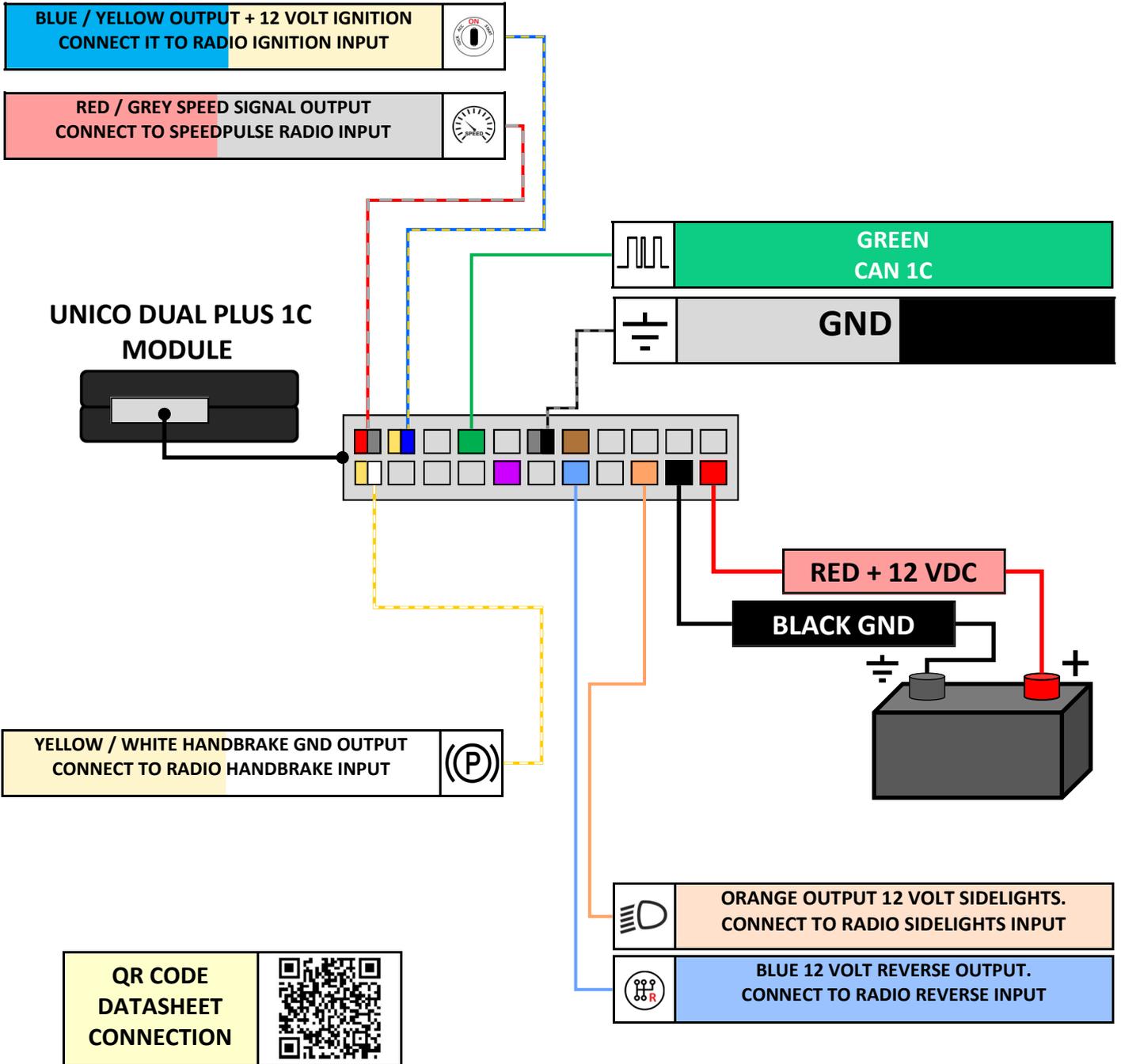
# UNICO DUAL PLUS 1C INSTALLATION MANUAL



## STEP NUMBER 2: CONNECTIONS



**WARNING!**  
 MANDATORY CONNECTIONS ARE:  
RED TO +12 VOLTS / BLACK TO GND / GREEN TO CAN WIRE  
DO NOT USE WIRES PRESENT IN THE CABLE  
NOT MENTIONED BELOW



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### STEP NUMBER 3: RADIO PROTOCOL SELECTION

Once the connections are made correctly, the module LED flashes GREEN once followed by a pause.  
 GREEN LED means: Car protocol, **managed correctly**.  
**Now select the radio protocol following the logic described below (see radio table below or QR code).**  
 1 GREEN LED flash indicates the first available radio: CLARION.  
 To increase the LED flashes, press the VOLUME + (PLUS) button on the steering wheel once.  
 The Volume — (MINUS) button decreases the number of flashes.  
 To confirm the choice, press the SEEK + (PLUS) button on the steering wheel, the LED lights up GREEN steadily.

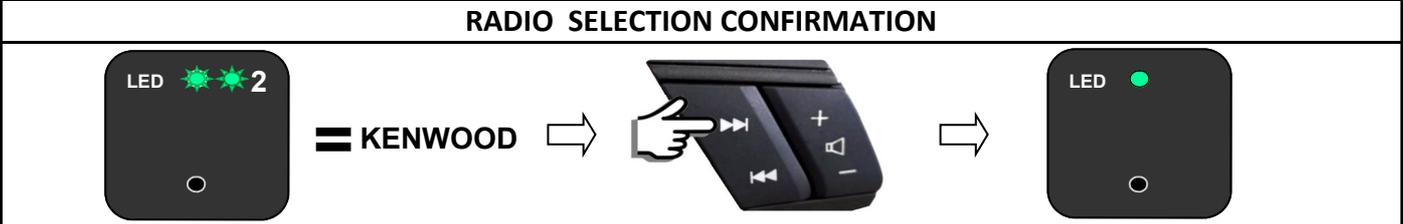
RADIO SELECTION: LED FLASHES LOGIC		
UNITS	TENS	HUNDREDS
		





**QR CODE  
RADIO TABLE  
COMPLETE**



	CLARION	KENWOOD	JVC	PIONEER		SONY		ALPINE
	WIRE AND IR	WIRE AND IR	WIRE AND IR	WIRE	IR	WIRE	IR	WIRE AND IR
FLASHES	1	2	3	4		5		6
	VOLUME —							
	VOLUME +							
	SEEK —							
	SEEK +							
	FUNC	SOURCE	SOURCE	MODE	MODE	SOURCE	SOURCE	SOURCE
	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE
	BAND	UP	UP	UP	BAND	UP	OFF	UP
	DISP	VOICE	DOWN	DOWN	UP	DOWN	UP	DOWN
	TA	PHONE ANSWER	PHONE ANSWER	X	DOWN	X	DOWN	PHONE ANSWER
	INPUT SEL	PHONE CLOSE	PHONE CLOSE	X	FUNC	X	BAND	PHONE CLOSE

**ATTENTION THE PHONE BUTTONS ARE NOT MANAGED WITH PIONEER AND SONY RADIOS.  
 SONY WIRED PROFILE IS AVAILABLE ONLY ON REQUEST.**



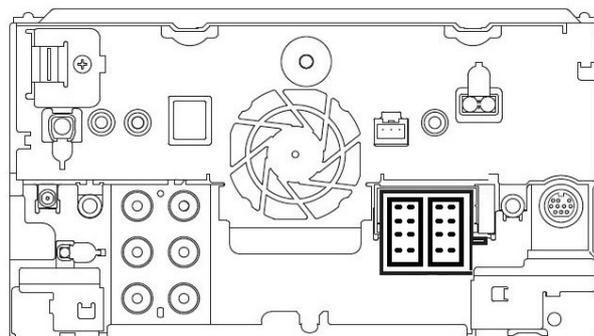
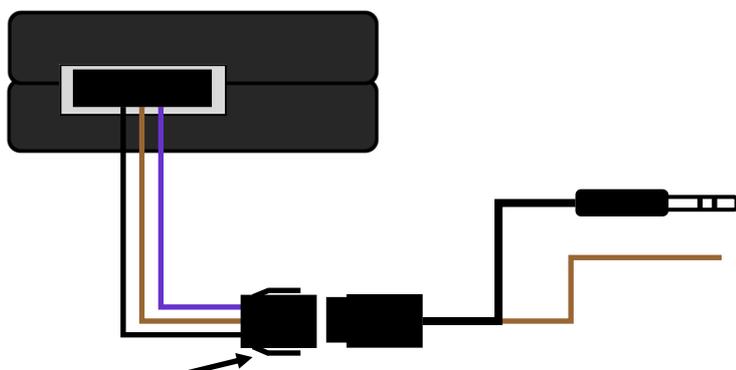
# UNICO DUAL PLUS 1C INSTALLATION MANUAL



## STEP NUMBER 4: RADIO ADAPTER CONNECTION

ADAPTERS (THE PRESENCE OF THE ADAPTER DEPENDS ON THE PRODUCT CODE)	RADIO
CBL007UNAL22	ALPINE
CBL007UNBL12	BLAUPUNKT / BLAUPUNKT 2
CBL007UNJV12	CLARION / JVC
CBL007UNKE11	KENWOOD
CBL007UNPI12	PIONEER / SONY
CBL007UNPN21	PANASONIC

### CONNECT THE RADIO ADAPTER TO THE SWC INPUT OF THE RADIO

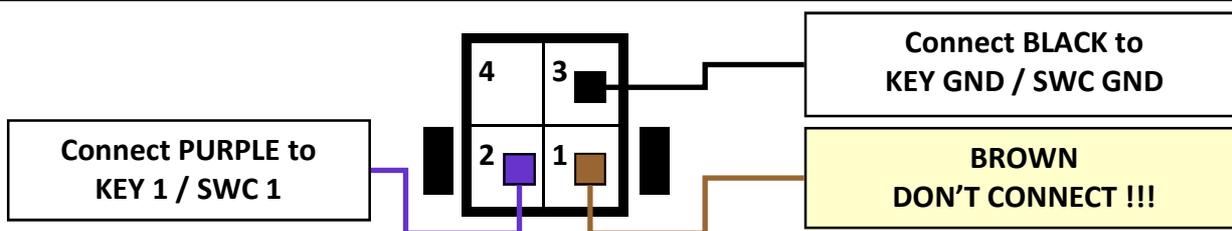


INSERT THE CORRECT RADIO ADAPTER INTO THE BLACK 4-WAY CONNECTOR OF THE HARNESS.

INSERT JACK TO SWC INPUT ON BACK OF RADIO OR CONNECT BROWN WIRE TO SWC WIRE ON BACK OF RADIO. CONSULT RADIO INSTALLATION MANUAL TO IDENTIFY WHERE TO MAKE THE CONNECTION.



### CONNECTION DIAGRAM FOR RESISTIVE LEARNING RADIO.



### WARNING!!!

IF THE RADIO HAS RESISTIVE LEARNING PROCEDURE FOR STEERING WHEEL CONTROLS  
SELECT THE PIONEER PROTOCOL NR. 6.  
MAKE THE CONNECTIONS DESCRIBED ABOVE!!!

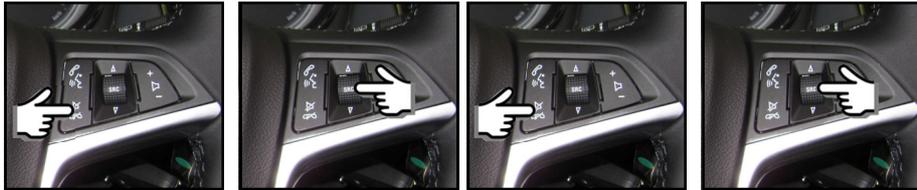
### ATTENTION!!!

ONCE THE CONNECTIONS ARE COMPLETED, MEMORIZING THE  
BUTTONS ON THE STEERING WHEEL CONTROL FOLLOWING THE  
INSTRUCTIONS IN THE RADIO MANUAL!!!

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### VEHICLE CONFIGURATION CONTROL MANAGEMENT

**UNICO DUAL 1C** allows you to set the vehicle configurations normally managed by the OEM radio. The procedure is very simple. There are 6 available configurations as described in the table below. Each function is represented by a number of BEEPS of the buzzer. Each submenu is represented by a second number of BEEPS. To access the settings menu, you must perform the following steering wheel button sequence: **MUTE / SOURCE / MUTE / SOURCE**



Entering the MENU is confirmed by a series of BEEPS from the buzzer. Now the buzzer will emit a BEEP followed by another BEEP. This means that we can set the first available function, i.e. AUTOMATIC FAN SPEED. Use the **SEEK** buttons to navigate the FUNCTIONS (use the WHEEL). Use the **VOLUME** buttons to navigate the SETTINGS. To confirm a setting, press **SOURCE**. Confirmation of the setting will be highlighted by a series of BEEPS from the buzzer.

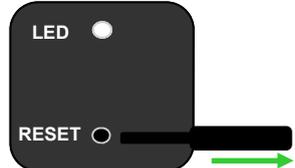
			
FUNCTIONS	PRIMARY BEEP	SETTINGS	SECONDARY BEEP
AUTO FAN SPEED	1	LOW	1
		MEDIUM	2
		HIGH	3
CLIMATE CONTROL MODE	2	OFF	1
		ON	2
		LAST SETTING	3
AUTO REAR DEMIST	3	OFF	1
		ON	2
REAR AUTO WIPE IN REVERSE	4	OFF	1
		ON	2
EXTERIOR AMBIENT LIGHTING	5	OFF	1
		ON	2
LIGHTING DURATION UPON EXIT FROM VEHICLE	6	OFF	1
		30 SEC.	2
		1 MIN	3
		2 MIN	4

## TO EXIT PROGRAMMING, REMOVE THE IGNITION

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**INFORMATION**

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**MODULE RESET**  
**RESET DOES NOT DELETE PREVIOUSLY CHANGED OPTIONS!!!**  
**ONLY IF NECESSARY, RESET THE MODULE USING THE PLASTIC NAIL (SUPPLIED) AS DESCRIBED BELOW.**

	<p> <b>PRESS AND HOLD THE RESET BUTTON FOR 10 SECONDS, THE LED WILL TURN OFF. REMOVE THE PLASTIC NAIL. THE RESET IS DONE.</b> </p>		
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**TROUBLESHOOTING**

- THE UNIT DOES NOT PERFORM ANY FUNCTION AND THE LED IS OFF.
- CHECK POWER CONNECTION.
- THE UNIT IS POWERED CORRECTLY, BUT IT DOES NOT PERFORM ANY FUNCTION AND THE LED FLASHES RED QUICKLY.
- CHECK CANBUS CONNECTIONS.
- THE UNIT IS POWERED CORRECTLY, THE CANBUS IS CONNECTED CORRECTLY, BUT IT DOES NOT PERFORM ANY FUNCTION AND THE LED FLASHES RED QUICKLY.
- CANBUS SYNCHRONIZATION FAILS, CONTACT TECHNICAL SUPPORT.
- THE UNIT, CORRECTLY CONNECTED, WITH THE GREEN LED LIT, DOES NOT CONTROL THE RADIO.
1. CHECK THAT THE RADIO ADAPTER IS CONNECTED TO THE RADIO.
  2. RE-SELECT THE RADIO PROTOCOL.

TECHNICAL CHARACTERISTICS	
POWER SUPPLY	10/16 VDC
ABSORPTION AT REST	0,001 A
ABSORPTION WHEN WORKING	0,040 A
MAX CHARGE IGNITION OUTPUT	2,000 A
MAX CHARGE SIDELIGHTS / HANDBRAKE / REVERSE GEAR OUTPUT / SPEEDPULSE SIGNAL	0,040 A

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**READ THE MANUAL CAREFULLY BEFORE CONTACTING TECHNICAL SUPPORT.**  
**CALL ONLY IF THE VEHICLE IS PRESENT**  
**AND WITH THE MODULE AT HAND**

**Technical Support: + 39 0141 - 947676**

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