

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

UNIVERSAL CANBUS / KBUS / RESISTIVE interface for recovering original car radio steering wheel controls and service outputs: ignition, lights, reverse gear, handbrake and speed signal (the presence of the outputs varies from vehicle to vehicle).

CAR compatibility extends to a large number of vehicles, viewable by framing the QR code

DATASHEET CONNECTION on page 2.

RADIO compatibility is for the PIONEER car radio and multimedia equipment equipped with YELLOW / BLUE wire input for remote control.

**ATTENTION PHONE BUTTONS ARE NOT MANAGED**

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

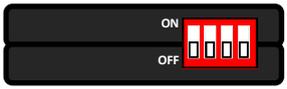
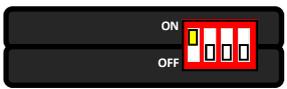
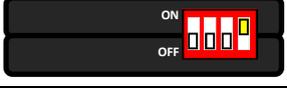
**STEP NUMBER 1: DIP SWITCHES SETTING**

The module has 4 DIP SWITCHES.

The first two are essential as they determine the operation of the module for CANBUS / KBUS or RESISTIVE vehicles.

The other two allow the functions described below.


**CONFIGURE DIP SWITCHES WITH UNICO DUAL MODULE NOT POWERED**


CAN BUS / K-BUS PROTOCOL	ALL OFF	
RESISTIVE PROTOCOL	DIP 1 ON	
<b>HYBRID PROFILE:</b> STEERING WHEEL CONTROLS: RESISTIVE SERVICE OUTPUTS: CANBUS	DIP 1 and 2 ON	
OPTION MANAGEMENT	DIP 3 ON	
MODULE UPDATE	DIP 4 ON	


**BY USING DIP SWITCHES 3 or 4  
ONCE THE OPERATION IS COMPLETED RETURN THEM TO OFF**




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



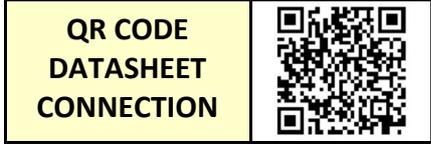
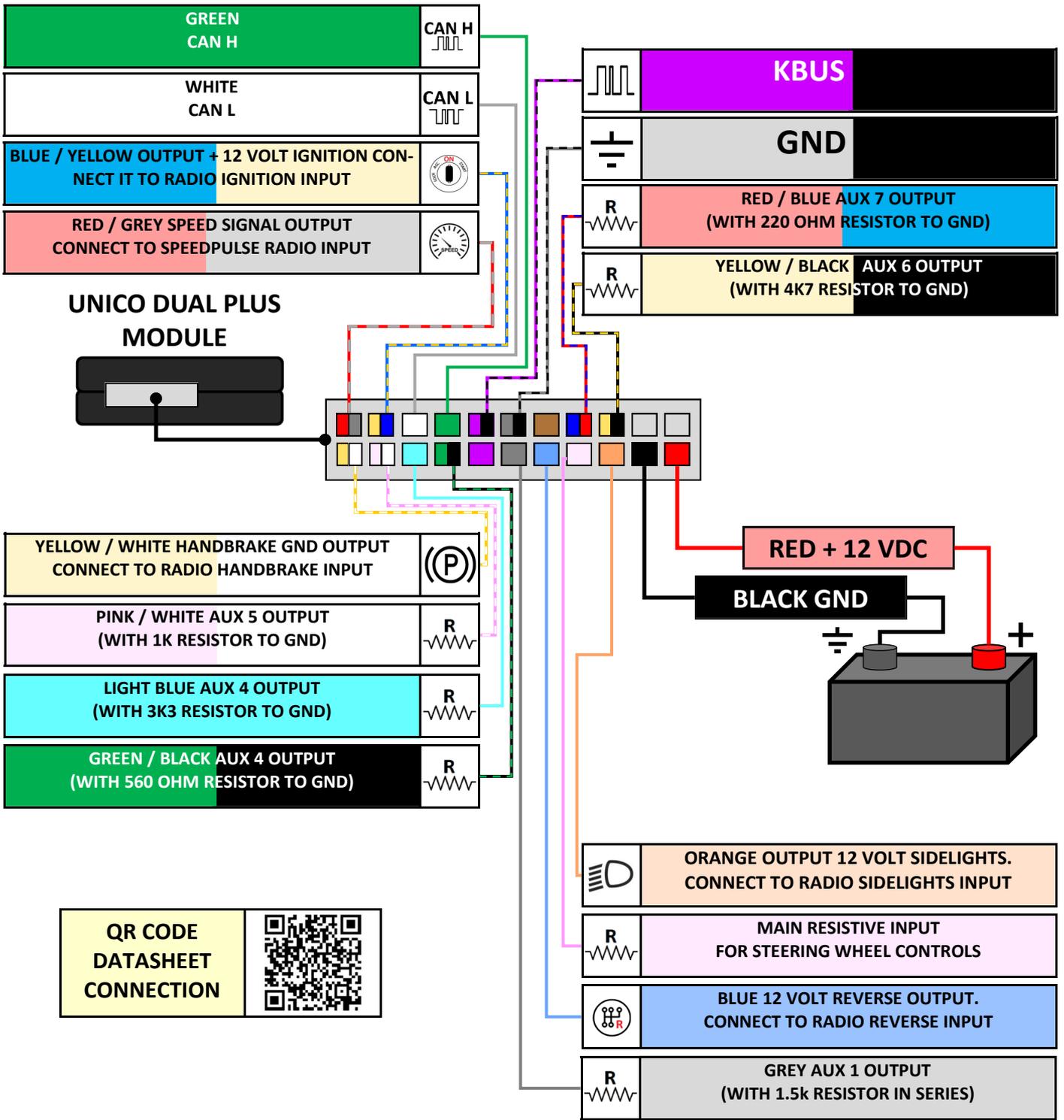
# UNICO DUAL PIONEER INSTALLATION MANUAL



## STEP NUMBER 2: CONNECTIONS



**WARNING!**  
**MANDATORY CONNECTIONS ARE:**  
**RED TO +12 VOLTS    BLACK TO GND**  
**GREEN TO VEHICLE CAN H    WHITE TO VEHICLE CAN L**





# UNICO DUAL PIONEER INSTALLATION MANUAL



## STEP NUMBER 3.1: IF THE CAR IS RESISTIVE

With RESISTIVE vehicles, once the connections have been made, follow the steps described below to memorize the buttons present up to a maximum of 11 functions.



### WARNING DIP SWITCH 1 MUST BE ON



**EACH PRESS OF THE BUTTON ON THE STEERING WHEEL LIGHTS UP THE MODULE LED IN RED**

1	PRESS VOLUME — ON THE STEERING WHEEL
2	PRESS VOLUME + ON THE STEERING WHEEL
3	PRESS SEEK — ON THE STEERING WHEEL
4	PRESS SEEK + ON THE STEERING WHEEL
5	PRESS MODE ON THE STEERING WHEEL
6	PRESS MUTE ON THE STEERING WHEEL
7	PRESS THE BUTTON RELATING TO THE CHOSEN RADIO FUNCTION OR TO SKIP THE FUNCTION PRESS THE MODULE BUTTON 1 TIME
8	PRESS THE BUTTON RELATING TO THE CHOSEN RADIO FUNCTION OR TO SKIP THE FUNCTION PRESS THE MODULE BUTTON 1 TIME
9	PRESS THE BUTTON RELATING TO THE CHOSEN RADIO FUNCTION OR TO SKIP THE FUNCTION PRESS THE MODULE BUTTON 1 TIME
10	PRESS THE BUTTON RELATING TO THE CHOSEN RADIO FUNCTION OR TO SKIP THE FUNCTION PRESS THE MODULE BUTTON 1 TIME
11	PRESS THE BUTTON RELATING TO THE CHOSEN RADIO FUNCTION OR TO SKIP THE FUNCTION PRESS THE MODULE BUTTON 1 TIME

To end programming, press and hold VOLUME + until the module LED lights **YELLOW**.  
Release it, **the LED light on GREEN**.  
The module is ready to work.

#### FUNCTIONS TABLE

FUNCTIONS	PIONEER
1	VOLUME —
2	VOLUME +
3	SEEK —
4	SEEK +
5	SOURCE
6	MUTE
7	UP/BAND
8	DOWN/UP
9	X/DOWN
10	X/FUNC

## STEP NUMBER 3.2: IF THE CAR IS CANBUS

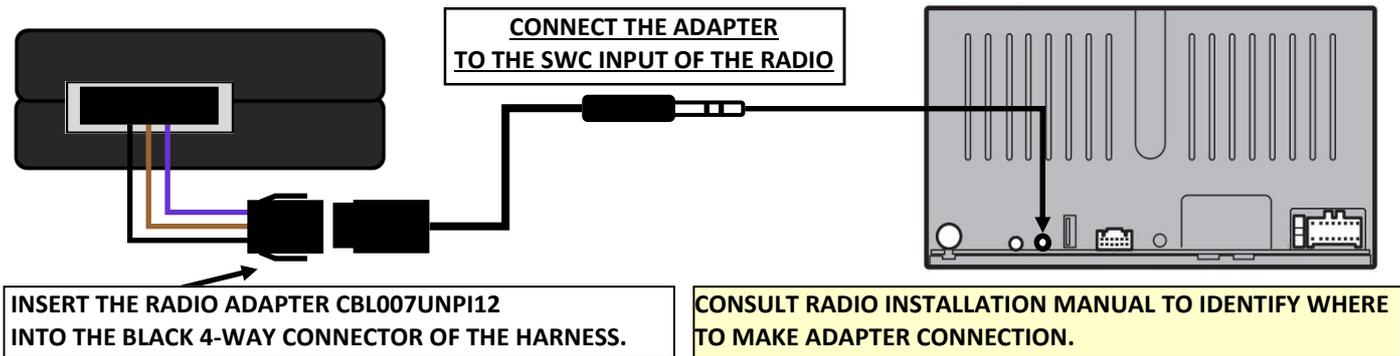
With CANBUS vehicles, the module auto-sets to the correct car profile.  
Radio functions are already assigned.  
The LED will light on GREEN.



# UNICO DUAL PIONEER INSTALLATION MANUAL



## STEP NUMBER 4: RADIO ADAPTER CONNECTION



## INFORMATION



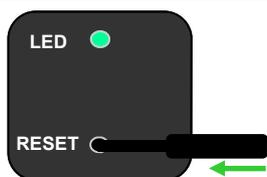
**UNICO DUAL ALLOWS TO SET DATE AND HOURS ON THE CAR COMPATIBLE CLUSTER, PLEASE FRAME THE QR CODE TO SEE THE PROCEDURE.**



### MODULE RESET



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



**PRESS AND HOLD THE RESET BUTTON FOR 10 SECONDS, THE LED WILL TURN OFF. REMOVE THE PLASTIC NAIL. THE RESET IS DONE.**



## 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 IS POWERED CORRECTLY, BUT IT DOES NOT COMMUNICATE WITH THE K-BUS.  
1. CHECK THAT THE WHITE WIRE OF THE HARNESS IS CONNECTED.  
2. CALL TECHNICAL SUPPORT.
- THE UNIT IS CORRECTLY CONNECTED, BUT DOES NOT HANDLE RESISTIVE LEARNING CORRECTLY.  
CHECK THAT THE CONNECTIONS ARE CORRECT, REPEAT THE LEARNING PROCEDURE, 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.

### WARRANTY

**THIS PRODUCT IS COVERED BY TWO-YEAR GUARANTEE FOR ANY MANUFACTURING TROUBLES.  
THE WARRANTY IS VALID IF ACCOMPAINED BY THE INVOICE OF PURCHASE**

**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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