



UNICO DUAL KENWOOD INSTALLATION MANUAL



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 **KENWOOD** car radio and multimedia equipment equipped with YELLOW / BLUE wire input for remote control.

**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.



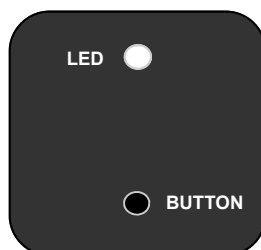
CONFIGURE DIP SWITCHES WITH UNICO DUAL MODULE NOT POWERED



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



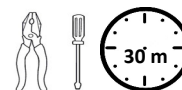
**BY USING DIP SWITCHES 3 or 4
ONCE THE OPERATION IS COMPLETED RETURN THEM TO OFF**



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



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STEP NUMBER 2: CONNECTIONS

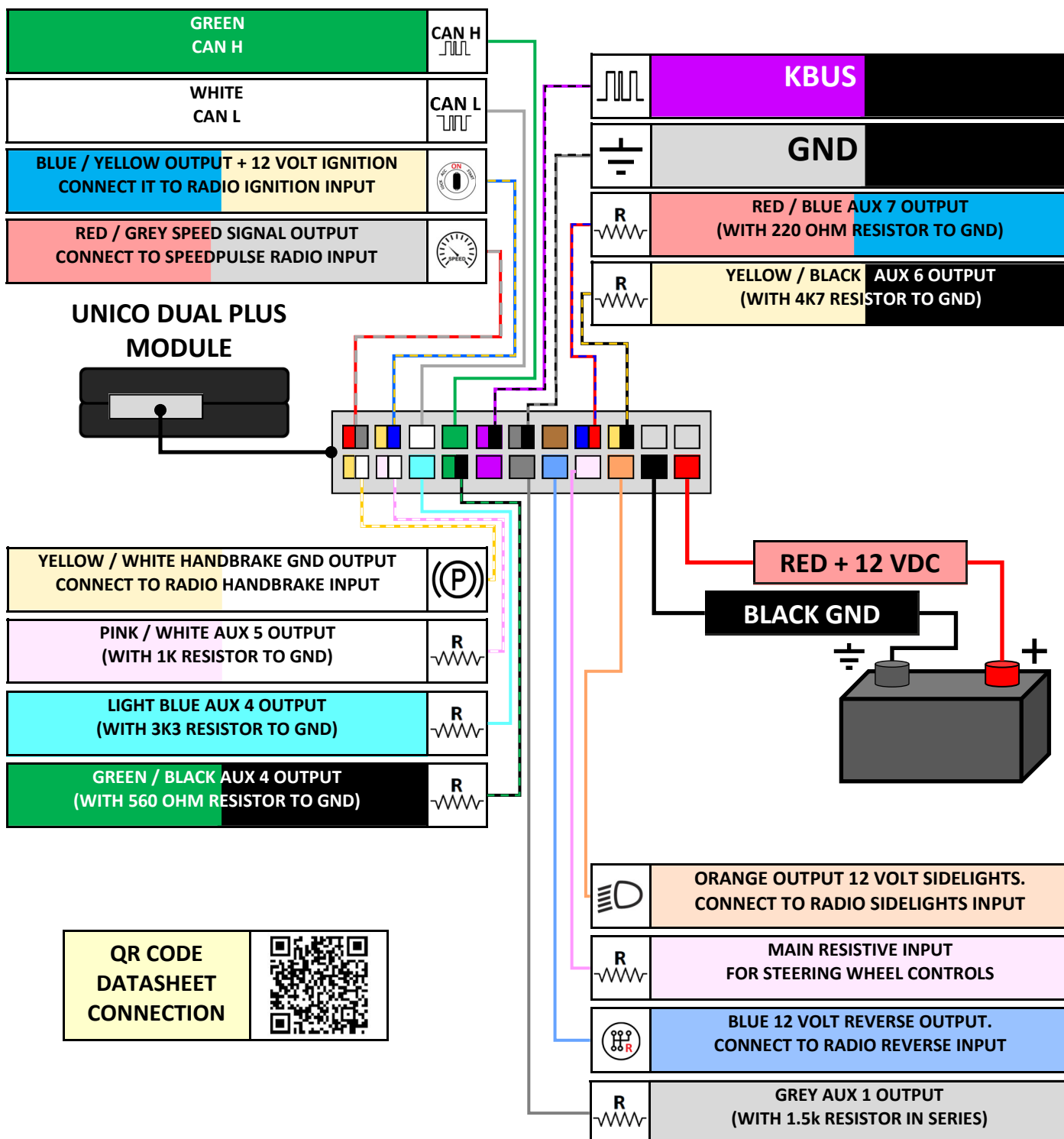


WARNING!

MANDATORY CONNECTIONS ARE:

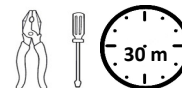
RED TO +12 VOLTS BLACK TO GND

GREEN TO VEHICLE CAN H WHITE TO VEHICLE CAN L





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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

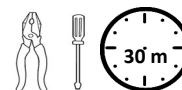
FUNCTIONS	KENWOOD
1	VOLUME —
2	VOLUME +
3	SEEK —
4	SEEK +
5	SOURCE
6	MUTE
7	UP
8	DOWN
9	PHONE ANSWER
10	PHONE CLOSE

STEP NUMBER 3.2: IF THE CAR IS CANBUS

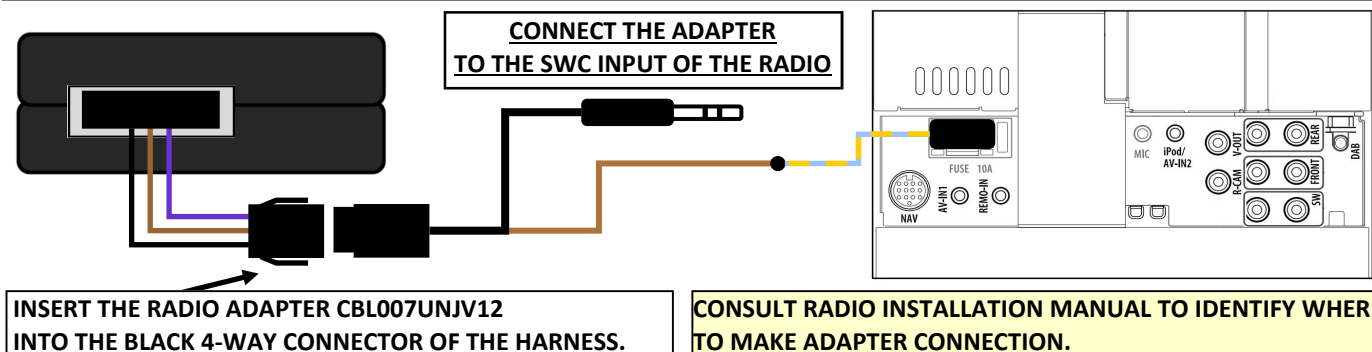
With CANBUS vehicles, the module auto-sets to the correct car profile.
Radio functions are already assigned.
The LED will light on GREEN.



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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

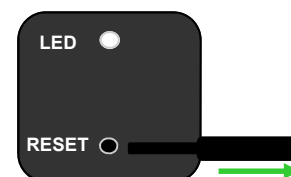


RESET DOES NOT DELETE PREVIOUSLY CHANGED OPTIONS!!!

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 ACCOMPANIED 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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