

Connection and configuration procedure
of the Unico Dual Plus 1C module (from FWP 50)
on vehicles with steering wheel commands without long key pressing system
and with RESISTIVE LEARNING Radios (as Macrom, Phonocar, Hardstone).

CONNECTION

For GMLAN connections, please consult the appropriate technical sheets of the Paser website: http://automotive.paser.it/technical_tables.php.
To connect Unico Dual Plus 1C module, first connect the purple wire of the module to the Key A (or SW 1) of the radio.
Then connect the grey-black wire of the module to the Key GND (or SW GND) of the radio.

CONFIGURATION

WARNING!

For the correct working of the system, you ALWAYS need to configure the PIONEER radio protocol (radio profile # 4), regardless of the brand of resistive learning radio installed.

X. Turn on the panel, the Unico Dual Plus 1C led starts blinking GREEN once and then pauses, which means that the module is ready to receive the radio profile setting.

Press the VOLUME + button 3 times on the steering wheel commands, check that the interface LED flashes 4 times GREEN and then pauses.

Confirm by pressing the SEEK + key shortly from the steering wheel commands: the LED will become FIXED GREEN.

Press the RESET button 5 times on Unico Dual Plus 1C, the interface will start to flash RED and GREEN (to simulate the long press system on the steering wheel commands).

Enter the radio's resistive learning menu and memorize the steering wheel commands according to the radio documentation.

Wait at least 5 seconds during the pairing of one button to the other, the maximum number of keys recovered is 6, excluding the phone keys not recovered.

Save the memorization of the keys following the saving mode of the installed radio.

Switch the panel on and off, the Unico Dual Plus 1C led will return to FIXED GREEN (this will deactivate the long press simulation of the steering wheel controls).

Finally, you can test steering wheel commands working towards the radio.

WARNING!

In case of an already configured module (starting with FIXED GREEN LED), it is necessary to RE-SET the module by proceeding as follows:

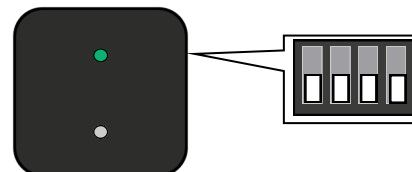
- press the RESET button for 10 seconds then release the button.
- at this point, the module is reset, the LED will become BLINKING GREEN and it will be possible to follow the procedure indicated at point X.

MANUAL OF INSTALLATION AND USE

UNICO DUAL PLUS 1C Adapter for CAN BUS 1 WIRE (GM LAN) protocol Steering Wheel Commands dedicated to aftermarket radios rev. 1.15

UNICO DUAL 1C

UNICO DUAL 1C is an adapter for the OEM steering wheel commands connection. Its compatibility extends to a range of vehicles having **CAN BUS 1 wire** protocol best known as GMLAN and to the most famous aftermarket car radios available on market.
This unit recovers not only the SWC but also the services and the sounds of the car.
The display it is not recovered
The function is totally managed by a microprocessor able to self-recognize the steering wheel commands protocol. The GMLAN protocol setting is managed in SELF-SELECTION.



ATTENTION!

In case of radio Pioneer, phone buttons are NOT managed!

DIP SWITCHES

UNICO DUAL 1C has 4 dip switches. Please do not set them if not necessary.

NOT USED	DIP 1 ON	
CAN BUS 1C	DIP 1 OFF	
NOT USED	DIP 1 e 2 ON	
OPTIONS MANAGING (SEE PAGE ATTACHED)	DIP 3 ON	
UNIT UPGRADING	DIP 4 ON	



**ATTENTION! YOU ALWAYS MUST TO SET DIP 4
IN POSITION "OFF" AFTER THE SETTING IS DONE**



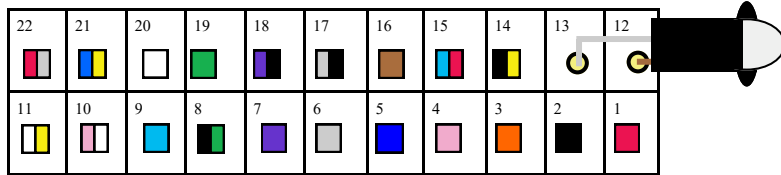
**SET THE DIP SWITCHES ONLY
WITH UNICO DUAL 1C NOT POWERED**

WARRANTY

THIS PRODUCT IS GUARANTEED FOR TWO YEARS AGAINST ANY MANUFACTURING DEFECT.
PURCHASE INVOICE IS REQUIRED AS A VALIDITY OF THE GUARANTEE

The information in this guide are purely for information purposes, therefore, are subject to change without notice. At the time of publication the information is correct and reliable. However Paser can not be held responsible for any consequences resulting from errors or omissions in this manual. Paser reserves the right to improve / change the product or manual without obligation to notify users.

CONNECTIONS



POS.	COLOUR	FUNCTION
1	RED	12V
2	BLACK	GND
3	ORANGE	LIGHTS OUTPUT
4	PINK	RESISTIVE INPUT
5	BLUE	REVERSE OUTPUT
6	GREY	AUX 1 (WITH RESISTANCE 1.5k IN SERIES)
7	VIOLET	RADIO RESISTIVE OUTPUT
8	GREEN/BLACK	AUX 3 (WITH RESIST. 560 ohm TO THE GND)
9	LIGHT BLUE	AUX 4 (WITH RESIST. 3.3 k TO THE GND)
10	PINK/WHITE	AUX 5 (WITH RESIST. 1 k TO THE GND)
11	YELLOW/WHITE	HANDBRAKE OUTPUT
12		INFRARED CATHODE
13		INFRARED ANHODE
14	YELLOW/BLACK	AUX 6 (WITH RESIST. 4,7 k TO THE GND)
15	RED/BLUE	AUX 7 (WITH RESIST. 220 ohm TO GND)
16	BROWN	RADIO CODE OUTPUT
17	GREY/BLACK	GND
18	VIOLET/BLACK	K-BUS
19	GREEN	CAN H
20	WHITE	CAN L
21	BLUE/YELLOW	STK OUT
22	RED/GREY	ODOMETER

HOW TO SET THE RADIO PROFILE

On default the unit offers the first profile available that is the CLARION, the GREEN LED make's one flashes. With the attached table select the radio needed so verify how many flashes it must to do the LED related to the radio of interest.

If the radio we want to set it's the first one just press SEEK + to confirm the selection, the LED will light on GREEN.

To select a different radio press VOLUME + on the steering wheel to increase the number of flashings of the LED or VOLUME - to decrease.

Once the radio desired is selected to confirm the choice press SEEK + on the steering wheel. the LED will light on GREEN as confirmation.

The logic of the flashes of the LED follows this behaviour:

LED **GREEN** flash meaning= units

LED **RED** flash meaning= tens

For example 5 GREEN flashes of LED , indicate the radio in the 5th position.

2 RED flashes of the LED, indicate the radio in position 20.

1 RED flash of the LED followed by 2 GREEN flashes of the LED indicate the radio in position 12.

Once the radio of interest is selected to confirm the choice press SEEK + on the steering wheel.

The led of the unit will light GREEN.

CBL007UNAL22	ALPINE ADAPTER
CBL007UNBL12	BLAUPUNKT ADAPTER
CBL007UNCL12	CLARION / JVC ADAPTER
CBL007UNKE11	KENWOOD ADAPTER
CBL007UNPI12	PIONEER / SONY ADAPTER
CBL007UNPN21	PANASONIC ADAPTER



ATTENTION! THE INFRARED LED AND THE ADAPTERS NOT INCLUDED IN THE KIT ARE SUPPLIED SEPARATELY

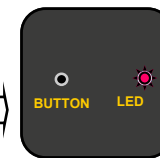
IF YOU WANT TO RE-INSTALL UNICO DUAL 1C IN A NEW VEHICLE, AFTER THE INSTALLATION YOU MUST RESET THE UNIT AS DESCRIBED HERE BELOW



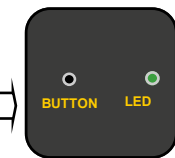
PRESS AND KEEP
PRESSED THE BUTTON



WHEN THE LED TURNS
OFF, RELEASE THE
BUTTON



THE LED WILL LIGHT
RED FOR FEW
SECONDS



THEN THE LED WILL LIGHT
GREEN: THE UNIT IS SET

TROUBLESHOOTING

- The unit doesn't work and the LED is off.
- Verify that the power supplying wires are correctly connected .
- The unit is correctly connected but the LED is off and the unit doesn't work.
- Verify the connection of the GMLAN wires .
- The unit is correctly connected and the LED flashes RED quickly.
- The unit can't do the GMLAN synchronization; please, contact Paser.
- The unit is correctly connected and the LED flashes RED irregularly.
- Verify the connection of the GMLAN wires.
- The unit is correctly connected and the LED is lighted on RED fix.
- The unit has done the GMLAN synchronization but it doesn't recognizes the vehicle; please, contact Paser.