

OPTION AND FLASH NUMBERS	DEFAULT	OPTION
1	HANDBRAKE OUTPUT AVAILABLE WHEN HANDBRAKE ON	GND OUTPUT WHEN CAR REMOTE CONTROL IS OFF
2	REVERSE GEAR OUTPUT AVAILABLE WHEN REVERSE GEAR INSERTED	12V OUTPUT WHEN CAR DOOR OPEN
3	SPEED PULSE FREQUENCY 26000 PULSE PER MILE	SPEED PULSE FREQUENCY 4000 PULSE PER MILE
4	REVERSE GEAR OUTPUT AVAILABLE WHEN REVERSE GEAR INSERTED	POSITIVE OUTPUT AVAILABLE ON BACK GEAR WIRE UNDER 15Km/h OF SPEED (ONLY FOR ACTROS)
5	HANDBRAKE OUTPUT AVAILABLE WHEN HANDBRAKE ON , REVERSE GEAR OUTPUT AVAILABLE WHEN REVERSE GEAR INSERTED , LIGHTS OUTPUT AVAILABLE WHEN LIGHTS IS TURN ON.	HANDBRAKE OUTPUT (negative) AVAILABLE WHEN CAR DOOR OPEN , REVERSE GEAR OUTPUT (positive) ALLARM INSERTED. LIGHTS OUTPUT (positive) AVAILABLE WHEN ALLARM NOT INSERTED.
6	NO FUNCTION IS ASSOCIATED TO THE BUTTON	PUSHING THE EST BUTTON FOR 2 SECONDS, AN IMPULSE OF 500ms IS GENERATED ON THE HANDBRAKE OUTPUT (FUNCTION NUMBER 5 HAS NOT TO BE ACTIVE)
7	DEFAULT SPEEDPULSE	COUNTING ENCODER SPEEDPULSE (ONLY FOR ALFA MITO,ALFA GIULIETTA,FIAT PUNTO,FIAT 500 AND LANCIA YPSILON)
8		
9		
10		
11	HANDBRAKE OUTPUT AVAILABLE WHEN HANDBRAKE ON	GND OUTPUT WHEN CAR TERMIC ENGINE IS ON (VALID ONLY FOR HYBRID CARS)

NOTE: Option 5 inhibits options 1-2-3-4.

WARRANTY CONDITIONS

THIS PRODUCT IS GUARANTEED FOR TWO YEARS FOR ANY KIND OF MANUFACTURING DEFECT. THE FISCAL DOCUMENT SERVES AS THE GUARANTEE VALIDITY.

The information in this guide and in its attaches 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, omissions or incongruence in this manual (for ex. according to missed audio configuration back-up of the vehicles). Paser reserves the right to improve / change the product or manual without obligation to notify users.

INSTALLATION MANUAL

SLIMCAN UNIVERSAL CANBUS Services Adapter

Rev. 1.16

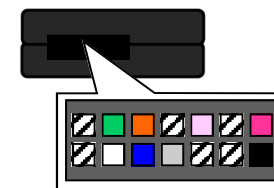
DESCRIPTION

SLIMCAN is a **UNIVERSAL Adapter** for **CANBUS** protocol systems; its principal characteristic being the compatibility which extends to a large number of vehicles listed in table attached.

The module supplies analog services such as positive ignition key, positive sidelights, positive reverse gear, handbrake and speedpulse where these are present on the CANBUS.

The selection of the protocol comes through the **SELF-RECOGNITION**, which significates that at the termination of the connection for the insertion of the module to the connector, the unit will carry out , in about a second, the synchronization and the selection of the correct CANBUS protocol of the auto on which the module is installed.

CABLE DESCRIPTION

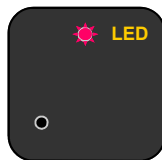


CABLE	FUNCTION
RED	POSITIVE POWER SUPPLY
BLACK	NEGATIVE POWER SUPPLY
GREEN	HIGH CAN
WHITE	LOW CAN / K-BUS
PINK	POSITIVE IGNITION OUTPUT
ORANGE	POSITIVE SIDELIGHTS OUTPUT
GREY	SPEEDPULSE SIGNAL
BLUE	POSITIVE REVERSE GEAR OUTPUT
YELLOW/WHITE	NEGATIVE HANDBRAKE OUTPUT

CABLE	ACTROS OUTPUT
PINK	POSITIVE LEFT DIRECTION LIGHT
ORANGE	POSITIVE RIGHT DIRECTION LIGHT
GREY	SPEEDPULSE SIGNAL
BLUE	POSITIVE REVERSE GEAR OUTPUT
YELLOW/WHITE	NEGATIVE HANDBRAKE OUTPUT

SELF-RECOGNITION AND FUNCTIONS

The selection of the protocol comes through **SELF-RECOGNITION**; on the termination of the connections and after inserting the module to the connector, the unit will carry out the synchronization in about one second, confirmed by **quick red flashes** of the module's LED.



As soon as the synchronization is carried out, the vehicle's protocol will be selected; this operation will be confirmed by the lighting up of the **FIXED GREEN LIGHT** of the module's Led. The unit is ready to work.



TROUBLESHOOTING

- The unit doesn't carry out any function and the LED is off.
- Verify the connections of the power supply.
- The correctly powered unit doesn't carry out any function and the LED is off.
- Verify the CANBUS connections.
- The unit is connected correctly and the RED LED flashes quickly.
- The unit hasn't been able to synchronize with the CANBUS, contact Paser.
- The unit is connected correctly and the RED LED flashes in an irregular way.
- Verify the CANBUS connections.
- The unit is connected correctly and the RED LED is lit up.
- The unit has carried out the synchronization with the CANBUS but hasn't been able to identify the vehicle, contact Paser.



WARNING!
IF YOU NEED TO INSTALL THE SAME IN
A NEW CAR (EVEN IF IN A SAME GROUP MODEL) IT IS NECESSARY
TO RESET THE MODULE.

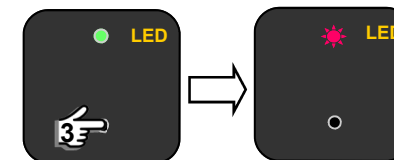
RESET:

1. WITH THE UNIT POWERED, PRESS AND KEEP PRESSED THE UNICAN BUTTON TILL THE LED SWITCH OFF.
2. WITH THE LED SWITCHED OFF RELEASE THE BUTTON, THE RESET IS DONE.

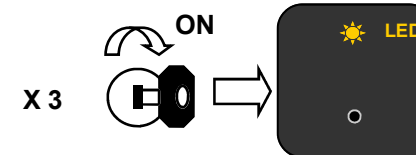
The module on default manage some functions. However sometime end user prefers other functions instead of those chosen by Paser. For this reason it was inserted a new procedure that allows to set a series of functions. First of all it is important that the unit had recognised a car canbus protocol. So the LED must be light GREEN.



Now press 3 times the module button and you will see that the LED will flash RED (UNIT), GREEN (TENS) and YELLOW (HUNDREDS) flashing.



Now turn the ignition ON of the car 3 times. The LED will flash YELLOW indicating the number of the option, followed by the RED flashes indicating the value of the option.



The number of YELLOW flashes represents the number of the option, the RED flashing represents the state of the option. Briefly pressing the button on the module you will go to the next option making the round of the options available on this version. If you want to reverse the default state of the option, hold the reset button pressed for 5 seconds. Once released the reset button, the unit will emit the flashes of the preferred option and the option state. To exit the programming mode, you must disconnect and reconnect the control unit. The LED will be fixed green.