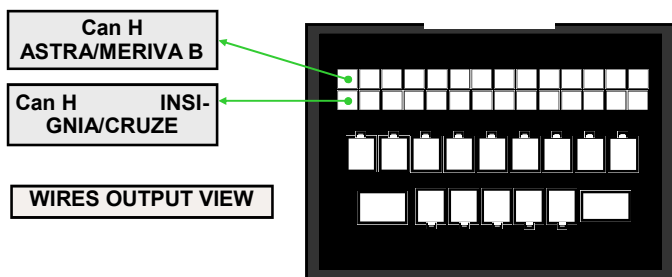


CABLE	FUNCTION
GREEN	CAN GM LAN

**ATTENTION**  
ALL THE OTHER WIRES NOT MENTIONED ARE NOT USED FOR THIS APPLICATION

**MODE B**  
OPEL ASTRA 2010 - INSIGNIA 2009 - MERIVA B  
CHEVROLET CRUZE  
CONNECTIONS  
(SEEN FROM CABLE OUTPUT OF CONNECTORS)



GM LAN WIRE CAN BE CONNECTED BEHIND THE RADIO.  
CONNECT THE **CAN H** WIRE AS DESCRIBED ABOVE.

## INSTALLATION MANUAL

# THB-CAN 1C

## UNIVERSAL CANBUS Adapter For Steering Wheel Commands and Kit

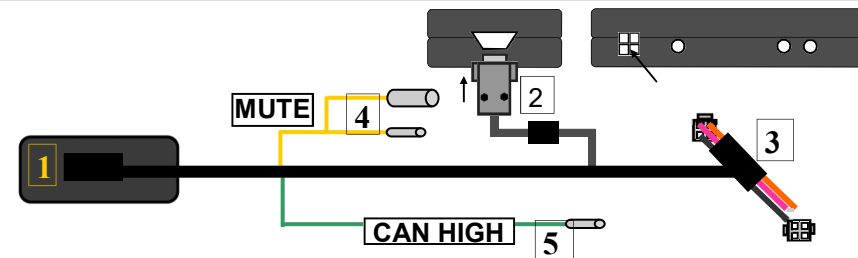
THB CC9040 / RC9060 / CC9048 rev. 1.13

### DESCRIPTION

**THB-CAN** is a **UNIVERSAL** adapter for steering wheel commands for vehicles with **GM LAN** protocol. The module allows you to control the CC9040, RC9060 and CC9048 kit. The selection of the protocol comes through **SELF-RECOGNITION**, which means that on the termination of the connections 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 car on which the module is installed.

### CONNECTIONS






1. Connect the power cable 14-way connector to the 14 ways plug of the THB-CAN.
2. Connect the RS232 connector to the RS232 plug of the H/F kit.
3. Connect the power cable inseries to the power cable of the kit.
4. Connect the YELLOW MUTE wire to MUTE wire of the H/F kit and to the car stereo MUTE input if available.
5. Refer to the CANBUS CONNECTIONS to connect the CAN H wire.



**ATTENTION:**  
**TO CONNECT RC9060 KIT PLEASE DISCONNECT THE RS232 PLUG AND CONNECT THE MICROFIT CONNECTOR DIRECTLY TO THE H/F KIT**

**ATTENTION:**  
**IGNITION IS SUPPLIED BY THB-CAN. DO NOT CONNECT PINK WIRE OF THE H/F TO AN IGNITION. CONNECT THE YELLOW WIRE OF THE UNIT TOGETHER WITH THE MUTE INPUT OF THE H/F!**

THIS PRODUCT IS GUARANTEED FOR 2 YEARS FOR ANY MANUFACTURING DEFECT.  
THE PURCHASING FISCAL DOCUMENT SERVES AS THE GUARANTEE VALIDITY

THB CAN Functions available Through SWC	Volume Buttons Mode  	One PHONE button Mode 	Two PHONE buttons Mode  
Answer a call	V+ (short)	Tel (short)	Reply (short)
Refuse a call	V- (long)	Tel (long)	Refuse (long)
Vocal Call	V+ (short) FOLLOWED BY V- (short)	Tel (short)	Reply (short)
Redial last number	FOR CC9040 / CC9048 V+ (short) FOLLOWED BY V- (short) twice  FOR RC9060 V+ (short) FOLLOWED BY V- (long)	FOR CC9040 / CC9048 Tel (short) twice  FOR RC9060 Tel (long)	FOR CC9040 / CC9048 Reply (short) twice  FOR RC9060 Reply (long)
Increase Volume of the Call		V+ (short) FOLLOWED BY V- (short)	V+ (short) FOLLOWED BY V- (short)
Lower Volume of the Call		V- (short) FOLLOWED BY V+ (short)	V- (short) FOLLOWED BY V+ (short)
Enter Discrete Mode	FOR CC9040 V+(short)  FOR CC9048 V+ (long)	FOR CC9040 Tel (short)  FOR CC9048 Tel (long)	FOR CC9040 Reply (short)  FOR CC9048 Reply (long)
Exit Discrete Mode	FOR CC9040 V+ (short) FOLLOWED BY V- (short)  FOR CC9048 V+ (short) FOLLOWED BY V- (long)	FOR CC9040 Tel (short)  FOR CC9048 Tel (long)	FOR CC9040 Reply (short)  FOR CC9048 Reply (long)
Close the call	FOR CC9040 / RC9060 V- (long)  FOR CC9048 V- (short)	Tel (long)	Refuse (long)
activation - Disabling AUX-in		CC9048 ONLY Tel (short) FOLLOWED BY V+ (short)	CC9048 ONLY Tel (short) FOLLOWED BY V+ (short)

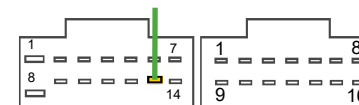
**LEGENDA:**  
**V = VOLUME BUTTON**  
**S = SEEK BURRON**  
**SHORT = SHORT PRESS OF THE BUTTON**  
**LONG = LONG PRESS OF THE BUTTON**  
**Tel = SINGLE PHONE BUTTON AVAILABLE**  
**REPLY = PHONE BUTTON TO ANSWER THE CALL**  
**REFUSE = PHONE BUTTON TO REFUSE THE CALL**

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.

CABLE	FUNCTION
GREEN	CAN GM LAN

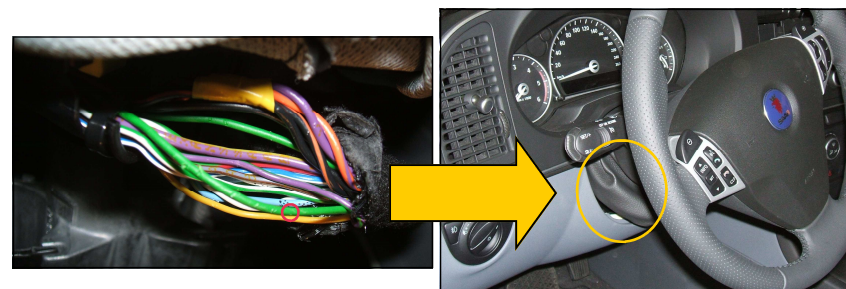
**ATTENTION**  
**ALL THE OTHER WIRES NOT MENTIONED ARE NOT USED FOR THIS APPLICATION**

**MODE A SAAB 93 / CADILLAC BLS / SAAB 95**  
**MODE B TAHOE**  
**GM LAN CONNECTIONS**  
**(SEEN FROM CABLE OUTPUT OF CONNECTORS)**



GM LAN WIRE CAN BE CONNECTED BEHIND THE RADIO.  
CONNECT THE **CAN H** WIRE AS DESCRIBED ABOVE.  
IN THIS CASE THE H/F IS CONTROLLED BY THE AUDIO BUTTONS MODE A (93-95) VOCAL BUTTON MODE B (TAHOE) PHONE ANSWER BUTTON AND PHONE CLOSE BUTTON MODE C .

**MODE A SAAB 93 / CADILLAC BLS**  
**GM LAN CONNECTIONS**



FOR SAAB 93 **CAN H** WIRE CAN BE CONNECTED TO ONE OF THE TWO GM LAN **GREEN** WIRES FOUND IN THE WIRES BUNDLE UNDER THE SKIN CAP OF THE STEERING WHEEL . IN THIS WAY YOU CAN CONTROL THE SYSTEM BY THE PHONE BUTTONS