29-UC050-SAAB
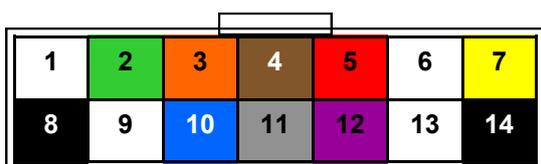# SAAB 9-3 and 9-5 2006>
STEERING CONTROL INTERFACE

InCarTec

14 Pin connector on interface box as seen from wire entry side.

1	2	3	4	5	6	7
8	9	10	11	12	13	14

2 Green   = Can High
3 Orange   = Illumination output
4 Brown   = Steering control output
5 Red   = Ignition output
7 Yellow   = 12V+ input
8 Black   = Steering control output
9 White   = Can Low
10 Blue   = Reverse output
11 Grey   = Speed pulse output
12 Purple   = Steering control output
14 Black   = Ground input

Use this interface along with a head unit specific patch lead, pins 4, 8 and 12 terminate at a 4 Pin connector, this is where you will need to connect the head unit patch lead.

When connected the LANbus interface will automatically recognise the vehicle. The green LED on the interface will repeatedly flash once followed by a pause. If the LED is solid green you will need to follow the instructions at the bottom "to reprogram the interface for another head unit".

You will need to set the interface to the make of head unit you are fitting.

The amount of flashes between pauses corresponds to the make of head unit, see the table over-leaf for the number of flashes and which make it corresponds to.
While the LED is flashing green, press the Vol +/- buttons on the cars steering wheel to change the amount of flashes between pauses, Vol + will increase the amount of flashes, Vol– will decrease the amount of flashes.
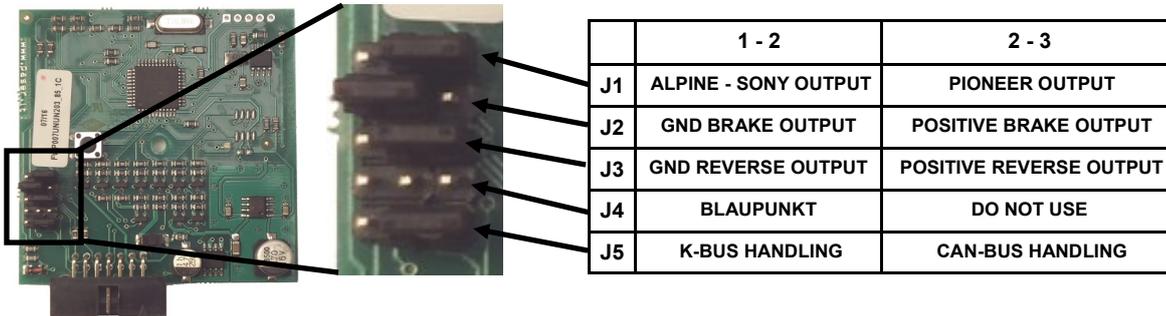When you have the correct amount of flashes, press seek+ to confirm and the LED will go to a solid green light.

Number of flashes	Make of head unit
1	Clarion (Default)
2	Kenwood
3	JVC
4	Alpine
6	Pioneer (Set jumper)
7	Sony

**To reprogram the interface for another head unit make**

- Disconnect the interface from the 14 Pin connector.
- Push the reset button in and keep it pushed in.
- Reconnect the interface to the 14 Pin connector
- The LED will flash green then go off.
- Release the reset button.
- The LED will flash red then green.
- Use Vol+/- to set the amount of flashes
- Confirm selection with Seek +

Setting the jumpers

There are a series of jumper pins on the interface board. These may need to be changed depending on the head unit you are fitting or the type of outputs you require.

	1 - 2	2 - 3
J1	ALPINE - SONY OUTPUT	PIONEER OUTPUT
J2	GND BRAKE OUTPUT	POSITIVE BRAKE OUTPUT
J3	GND REVERSE OUTPUT	POSITIVE REVERSE OUTPUT
J4	BLAUPUNKT	DO NOT USE
J5	K-BUS HANDLING	CAN-BUS HANDLING

To set the jumpers, the jumper clip will need to be placed over the corresponding pins. See the above picture and diagram to the right. In the example picture above it is set for Pioneer, Ground handbrake output, positive reverse output and CANbus handling.

```
1  2  3
O  O  O  J1
O  O  O  J2
O  O  O  J3
O  O  O  J4
O  O  O  J5
```
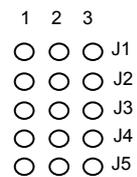
It can be possible to retain the use of the original telephone buttons, however by making this connection for the telephone command, the ignition and speedpulse outputs from the interface will be lost. A new ignition power supply to the head unit will need to be provided.
The LANbus connection at the back of the radio will need to be cut and extended to the steering column. Cut the green wire in pin 2 and extend to the steering column. A connection to one of the green LANbus wires needs to be made here.
There are a few LANbus wires here carrying signals on different parts of the network, you may have to try a few different wires to find the correct one carrying the telephone commands.
*We recommend this is done by an experience car audio technician.*

## To reset the interface (if installing into another vehicle)

With the interface powered, press and hold the rest button. When the LED goes off, release the reset button. The LED will go to green and the reset is complete.

29-UCCAB patch lead wiring information

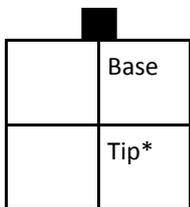|	
29-UCCAB-001	Alpine
29-UCCAB-003	Clarion/JVC
29-UCCAB-005	Kenwood
29-UCCAB-007	Pioneer/Sony
29-UCCAB-000	Chinese/Learning

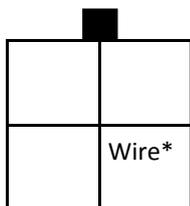All diagrams are seen from the wire entry side of the connector.

Tip
Ring
Base
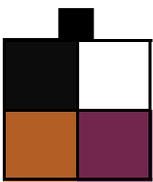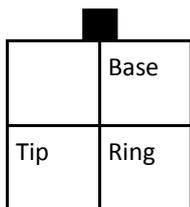
The connector for the patch lead from the UNICAN interface.
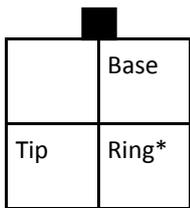
	Base
Tip	Ring*

29-UCCAB-001 Alpine

Base to black
Ring to brown * 13.7K resistor inline
Tip to purple

Please note, we have not mentioned black, white and red colours for the patch lead wiring as the pinning of red and white to tip and ring can vary depending on the manufacturer of these leads.

	Base
	Tip*

29-UCCAB-003 Clarion/JVC

Base to black
Tip to brown * and single wire

	Wire*

29-UCCAB-005 Kenwood

Single wire to brown and din

These patch leads are to be used with the 29-UC–range of CANbus steering control interfaces.

In addition to using the correct patch lead, the interface will need to be set to the corresponding brand of head unit. Follow the instructions supplied with the interface for this setup.

	Base
Tip	Ring

29-UCCAB-007 Pioneer

Tip to purple
Ring to brown
Base to black
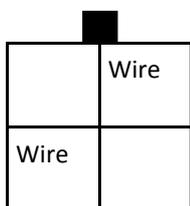
	Wire
Wire	

29-UCCAB-000 Chinese/Learning

2x single wire connections

Connect to the learning input wires on the head unit