

Инструкция по установке видео интерфейс для Chrysler 300C

[Артикул: CF-V-FS-CHR-300C]

This interface can insert High definition RGB navigation video, AV and reverse camera video onto Chrysler 300C car screens. The features are:

- Plug and play connector is used, to insert High definition RGB navigation and other videos onto the OEM screen.
- Oem key on the steering wheel is used to switch the video input. Reverse camera trigger signal is automatically generated.
- Guaranteed digital video quality on screen. Which also offer very nice reliability.



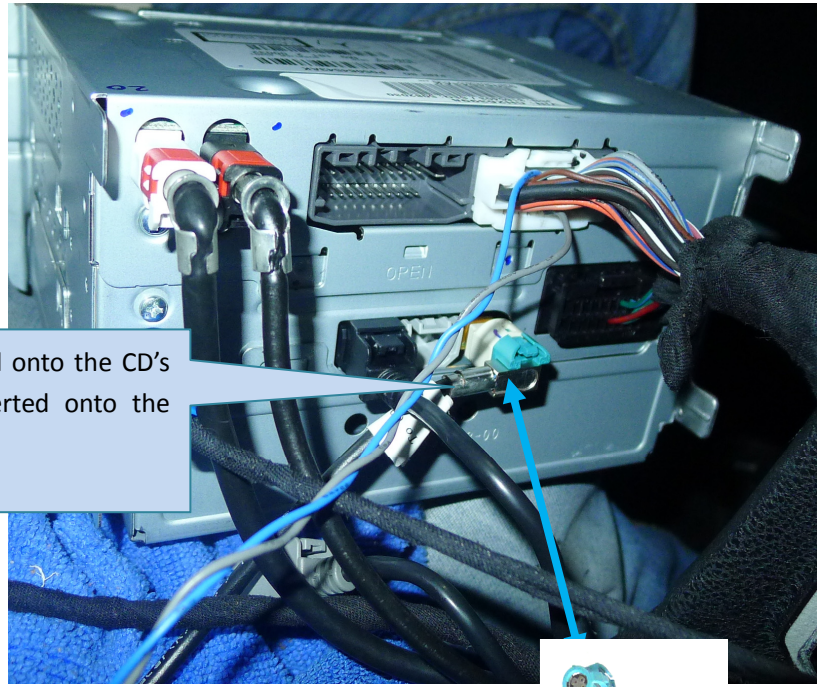
The inserted HD RGB and tv tuner and other videos can all be displayed on the OEM screen, the position H, Position V option can be used to adjust the picture location.

1.Video switch among different inputs

- The user may press the "voice" key for >1second to switch the inputs of interface. The interface will not switch if this key is pressed shortly, so the user may press it short to remove the possible background voice.
- The user may also use extra keypad to switch the inputs, in this case, the white wire of the 6P wire between CAN box and interface should be cut off.[suggested.]
- The Green wire will give 12V when in the gear is in R, this 12V can trigger the interface also power a camera with max 1A. in case of non-stable 12V on some car types, this green wire can also be cut off, and wire the interface-side to the reverse lamp, so the interface will be triggered to CAM-video in Reverse.

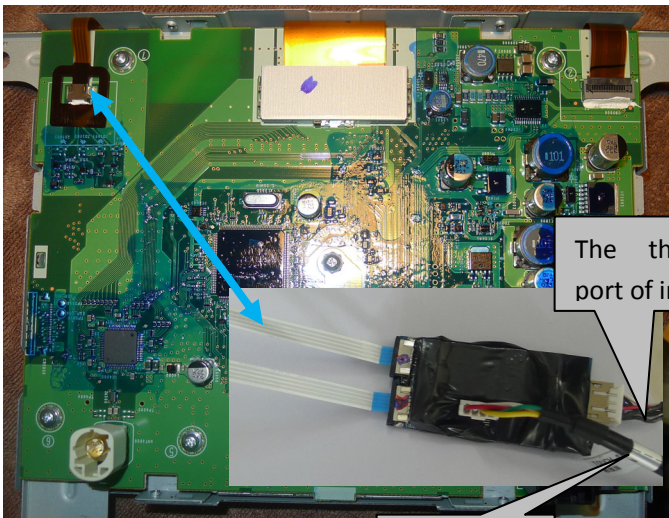


2. System connection



The switch box's LVDS input plug should be inserted onto the CD's video socket. And the OEM cable should be inserted onto the interface's output video socket.

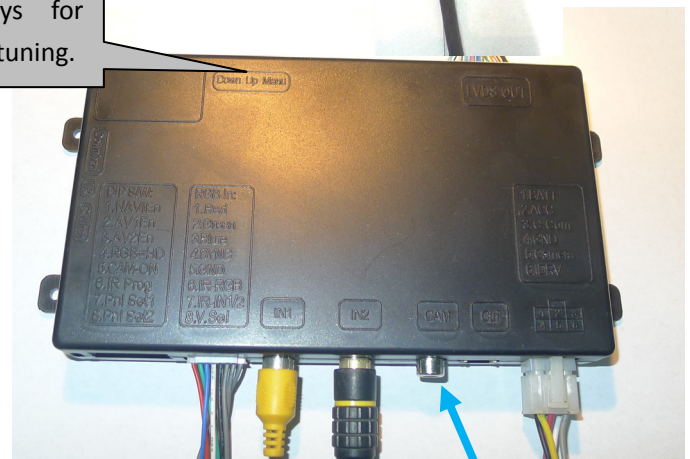
The OEM touch panel can be used by the installed navi by using such a daughter board in between:



The the CTRL port of interface

To installed navi.

3 keys for color tuning.



External video like HD-NAVI, DVD, TV tuner and cameras can all be inserted by interface.

CAN box's 4 input wires should be connected to the CD harness:
 gray/violet strip=CAN+, -----to the blue of CAN-box
 gray/Orange strip=CAN-, -----to the gray of CAN-box
 Black Thick=GND, -----to the brown of CAN-box
 Red thick=BATT, -----to the red/fuse of CAN-box

Wrong connection of CAN box input wires will not damage anything, the LED will be blinking when connected correctly.



The Red input wire of CAN-box can also be connected to ACC, which guarantees power off when ACC is off.

The signal definition of 6P on interface from CAN box:

Yellow: constant power of 12V。 **black:** GND of chassis。

RED[ACC]: when the monitor works, this wire=12V, otherwise=0V。

Green: reverse signal wire[=12V when in reverse], it can be used To give reverse signal to interface box。

This signal is generated by CAN box, and it can also be used to give power to the camera.(max 1A.)

White wire: switch signal wire, when =12V or 5V, this interface switches.

Gray wire: CAN bus control data to interface, it is used to pop up the control icons. See note2 on the end of this wire.

3. DIP switch setting:

DIP	=ON [DIP=Down side.]	=OFF
1	RGB enabled	RGB disabled.
2,	AV1 for DVD enabled	AV1 disabled
3	AV2 for Tuner or extra video enabled	AV2disabled
4	RGB=HD RGB [800X480 or VGA 640X480] Suggested input.	RGB=Normal NTSC [480X240]
5	This is reverse camera trigger wire go to CAM when Green wire= 12V]	go to car video when Green wire= 12V
6	IR programme when once to ON Touch calibration when get to ON >5 times.	OFF for normal work.
7,8	The DIP7 should be DOWN , and DIP8 should be 8 For correct display on Chrysler 300C screen.	

4. Interface Settings

- The 3 side keys are : menu, +,- respectively. When menu is pressed, OSD strings will pop up on screen, and the installer may adjust the best video effect. The +/- will change the value.
- The DVD/TUNER/NAVI is to set the IR code output to the installed device, so people use original knob to control
- When set to "none", the control icons will not pop out
- When set to "Prog", the installer can use DIP6=Down to program the IR code into the interface, so extra new devices can be controlled.

The Position H, Position V are used to set the picture location on monitor.

The Guide.Line option should be set to OFF.



The programming of IR code:

- There are >10 types of DVD, NAVI, and Tuners' IR code are stored inside the interface. The installer just adjusts the options to select to wanted one, then it works. If the wanted type is not there, he may set the option to be "Prog" in the menu.
- When programming, switch the input to AV1, and set DIP6 down once, then the control icons will be shown, and one of the them will be blinking. Point the IR remote controller to the IR port of interface, the blinking icon will be moved to the next one. Which means one code is programmed. Repeat this step until all icons are programmed.
- The programming of AV2 is the same as above.

3. CTRL port

There is a 8-pin extra CTRL port on the interface, the RCD550 is already using it to switch the touch panel 4P signals.

The installer does not need to use the other functions of this 4P in normal situation. For experienced users, this port may be used to get extra functions.

Ctrl port signal definitions:

Pin 1,2	+5V output voltage for sound-switch-relay, when AV1 is selected=5V, 0V when AV2 selected. Max 3A.	
3:	Constant +5V	Max .2A
4, 8	Ground	
5:	Dedicated control bus for camera.	Should not be connected to GND, otherwise CPU will halt.
6:		
7	+5V output when in interface mode, 0V when in Car mode.	

Note:There is a gray wire between the can box and interface box, which is used to deliver control data, so that multimedia icons will pop out and be executed. This wire can also deliver terminal-mode control data. So a 3rd party computer can control this interface.[terminal mode like: to directly go to RGB input, to AV1 input, AV2 input,reverse camera input], to get the full implementation of fosp interface terminal mode operations, please contact fosp sales people.

4. Parameters

No.	name	parameter
1	RGB video amplitude	0.7Vpp with 75 ohm impedance NTSC resolution [400X240,480X240] of navigation is allowed. Suggested: 800X480 RGB HD.
2	sync amplitude in RGB-navi port	3~5Vpp with 5K ohm impedance Sync should be NTSC composite with negative polarity.
3	Av1,Av2, cam video amplitude	0.7Vpp with 75 ohm impedance
4	Av1,Av2, cam standard	NTSC/PAL/SECAM automatic switch
5		
6	Normal work Power consumption	2.4W [0.2A @12V]
7	Standby current	< 5mA
8	Standby start	10 seconds after the users switch off the CD unit.
9	Reverse trigger threshold	>5V trigger
10	Work temperature	-40 ~ +85C
11	dimensions	15.6 X 9.2 X 2.2 Cm