Installation Manual

Multimedia Interface for Opel R4.0

Manual Date : 2019.10

°Specification

Car Model of Compatibility:

Opel - R4.0 IntelliLink 7"

Adam 2016>

Corsa 2016>

Mokka 2016>

Chevrolet – Intellilink 7"

Cruze 2016>

Trax 2016>

Malibu 2016>

Components:

Interface*1

Sub Board*1

Interface Input / Output specification:

Input:

LVDS*1

CVBS(Rear camera)*1

CVBS(Front camera)*1

Output:

To LCD*1

Power Spec:

Input Power:

8VDC ~ 18VDC

Consumption:

5WATT

Switch input mode:

1. External video sources skip function: Able to control input videos on and off via Dip switches
2. Able to switch videos via the remote and button switch
3. Able to detect the rear view camera by CAN

∘Components

Main Board *QCPASS1354*	**Sub board** *QCPASS0981*	**Power Cable** *HPOWER0144*	**Jack By Jack Cable** *HARETC0210*
Rear Cable *HARETC0002*	**Mode Cable** *HARETC0001*	**Remote Control** *REMOTE0001*	**IR Cable 4P** *HIRCAB0002*
FFC Cable *FFCBAL0077* *FFCBAL0076* *FFCBAL0075*	**UART Cable** *HTOUCH0031*	**Double sided Tape** *LABELS0205*	**MALI7 Power Out** *HPOWER0131*

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DIP Switch Settings

ON : DOWN / OFF : UP

Interface must be powerless, when changing the DIP switch settings.

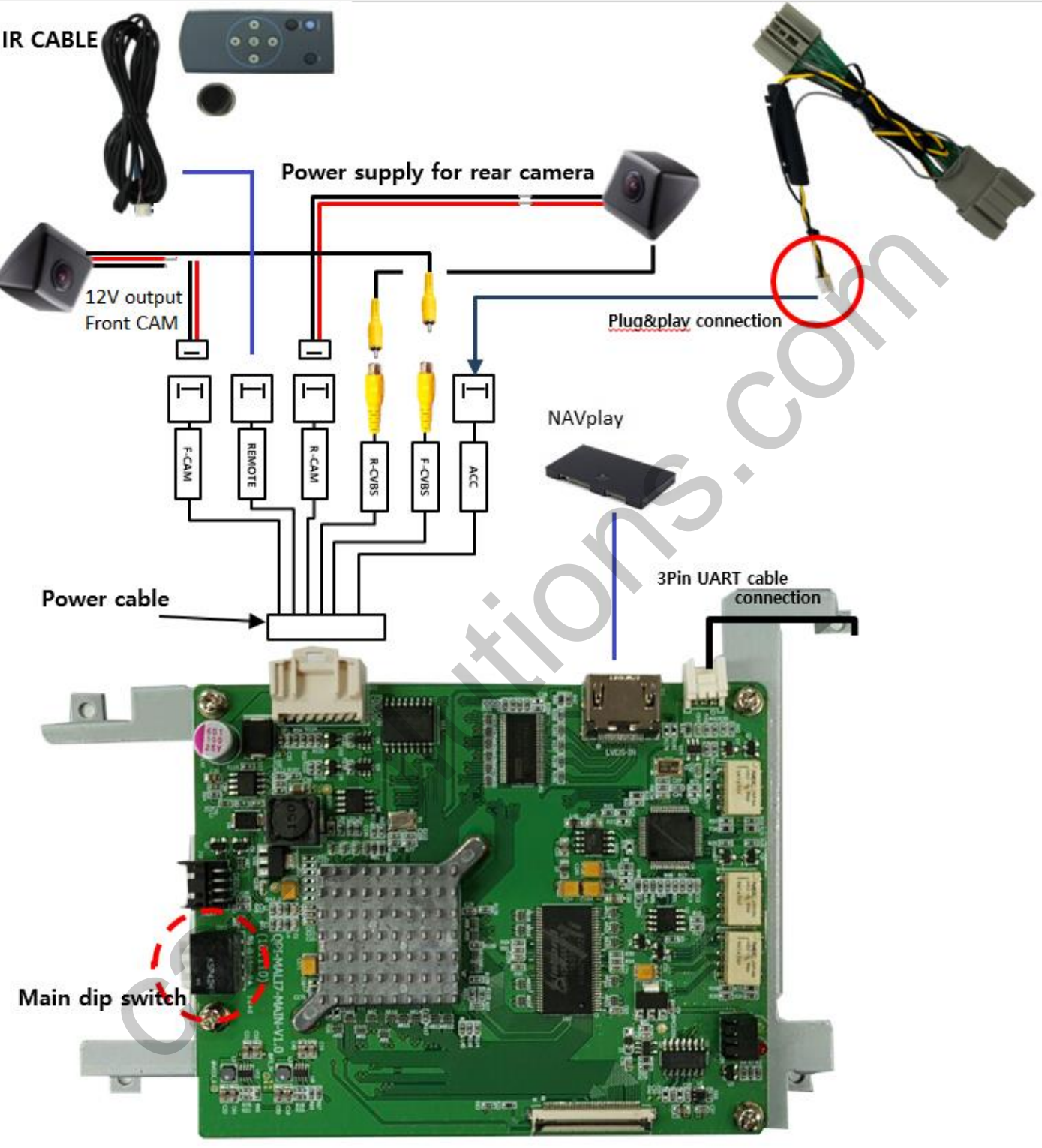| PIN	FUNCTION	DIP S/W SELECT
1	LVDS Input	OFF : LVDS Mode ON : LVDS Mode Skip
2	Front Camera Input	OFF: Front Camera ON: Front Camera Skip
3	Rear Camera Input	OFF : OEM Rear Camera ON : Aftermarket Rear Camera
4	Car Model	OFF : Cruz ON : Trax

• Remote Control Settings

Key	FUNCTION
POWER & PIP	N/C
MENU	Activating OSD menu
OK	Making a selection, changing image display
▲	Moving upward
▼	Moving downward
◄	Moving leftward (Press ◄ 3 seconds long, you could access factory mode)
►	Moving rightward (Press ► 5 seconds long, you could reset all interface data)

* Connect the IR wire with the interface box input "KEY/IR"

(always install IR wire so you can always service/reset the interface)

IR CABLE

Power supply for rear camera

12V output
Front CAM

Plug&play connection

F-CAM

REMOTE

R-CAM

R-CVBS

F-CVBS

ACC

NAVplay

Power cable

3Pin UART cable
connection

Main dip switch

• Installation Manual

* Attention: Don't install the interface with ignition ON.

(Based on Opel Astra – installation behind the screen)

|	
① Remove the plastic cover as the picture below	② Remove the two builts as shown in the picture to remove the screen
③ Remove the head-unit.	④ Disassemble LCD
⑤ Remove the metal case as shown	⑥ Disassemble the OEM board like picture attached
⑦ Place the sub-board on the top and connect FPC cable with input "LCD OUT" and the touch cable with input "FFC TOUCH"	⑧ Re assemble the OEM board on the top of the sub-board.

* Attention: Don't install the interface with ignition ON.

(Based on Opel Astra – installation behind the screen)

⑨

The touch cable shall be connected between supplied sub-board (B/D TOUCH) and the OEM board where original touch cable is connected.
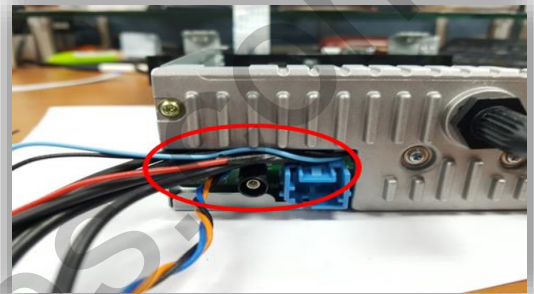
⑩
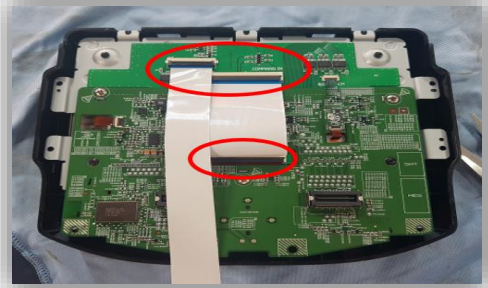
Connect the supplied FFC cables like picture:

⑪

Pull out a long FFC cable through a hole and reassemble the metal cover

⑫

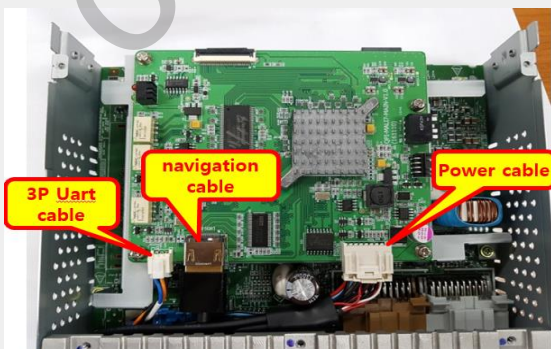*Put cables inside through a hole which is placed behind the head-unit*

⑬

Unscrew bolts marked with red circles

⑭

Place the supplied interface on the top of the OEM board and screw bolts again

⑮

navigation cable

3P Uart cable

Power cable

*Connect cables to the each place as shown below*

⑯

Connect FFC cable coming from the monitor to the interface

Power/CAN Cable Connection

1. *Disconnect the OEM grey connector from the computer.*
2. *Connect the OEM grey connector with the interface P&P cable.*
3. *Connect the grey interface connector with the computer.*
4. *Connect the 3-pins connect from the P&P cable with the power connector.*

※ Connect 3P connector to ACC of Power cable
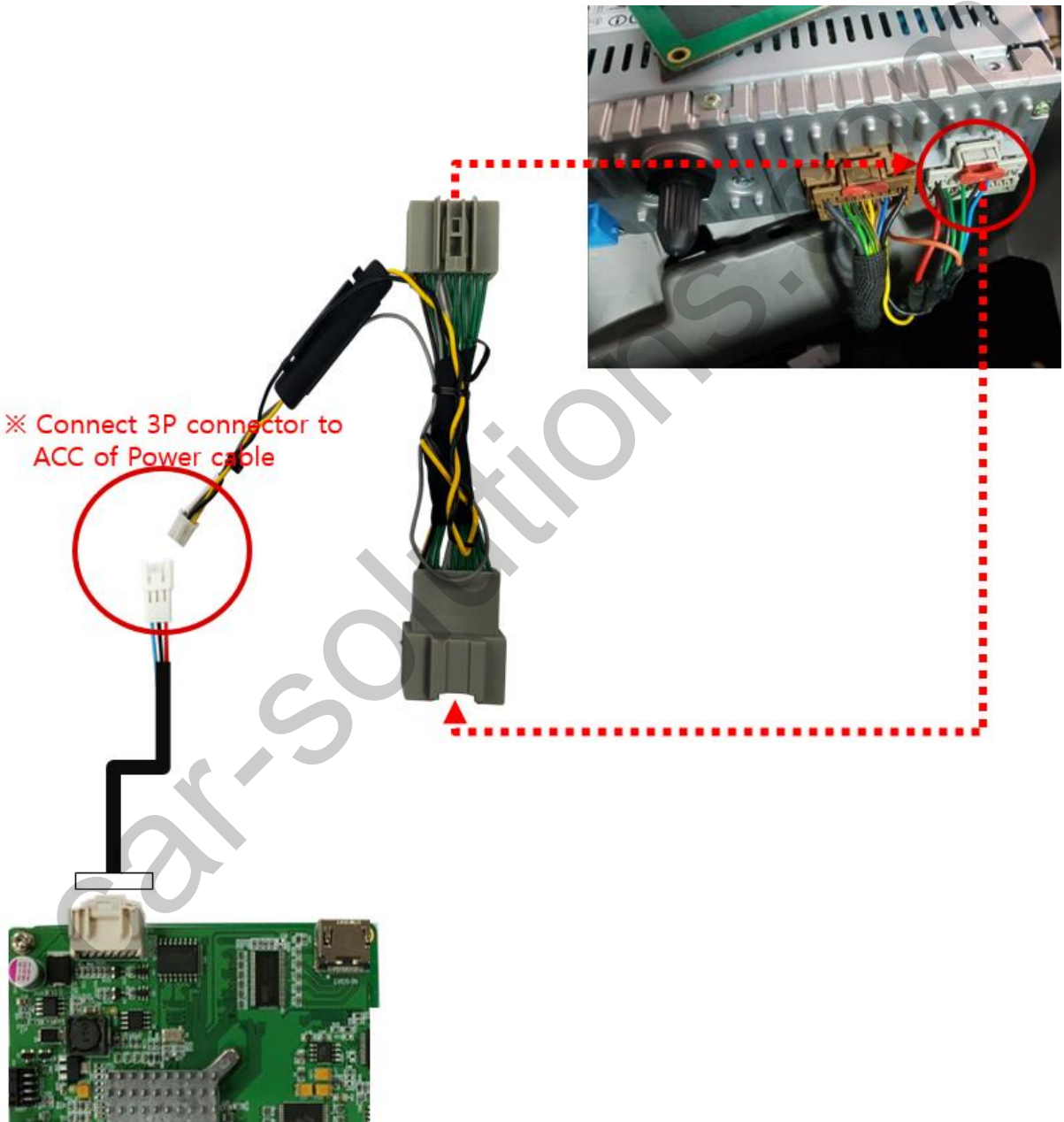
Activation with OEM Button

* Press high lighted OEM button for 3 seconds long to mode switch

CRUZE

TRAX

Factory Settings

```
Menu of FACTORY
IMAGE    H-POSITION
PARK     V-POSITION
UTIL1
INFO


MENU to Return    SEL to Select/Save
```
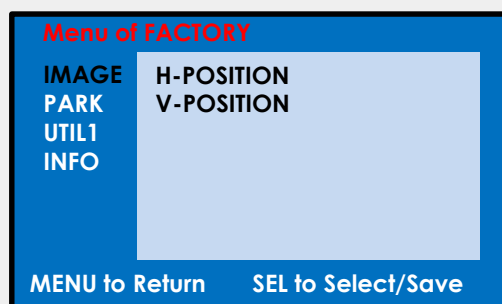
IMAGE

H-POSITION: Move the screen left and right.

V-POSITION: Move the screen up and down.

```
Menu of FACTORY
IMAGE    PAS TYPE
PARK     PAS SETUP
UTIL1    REAR TYPE
INFO     RADAR ENABLE
         FCAM TIME

MENU to Return    SEL to Select/Save
```
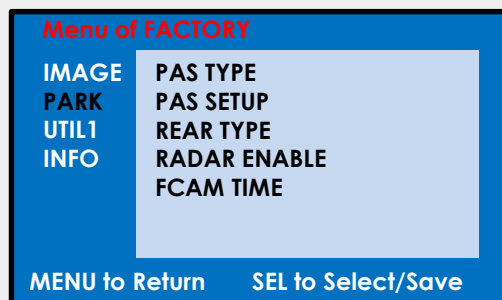
PARK

PAS TYPE: Select parking line type.

- NOT USED: Do not use parking line

- PAS ON: Use Flexible Parking Lines

- PAS OFF: Use fixed parking line

PAS SETUP: You can move the position of parking line.

REAR TYPE : Choose rear camera recognition.

- CAN : Detecting the rear view camera by CAN signal.

  (Installer must connect "CAN" cable of the power cable to the "CAN" cable of the car)
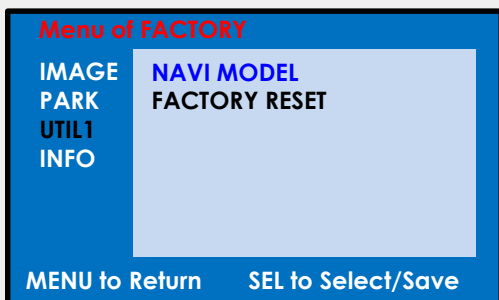
- LAMP : Detecting the rear view camera via "Grey Rear" wire.

  (Installer must connect "Rear-C" cable of the power cable to the rear lamp of the car)

RADAR ENABLE : Turn PDC on/off.

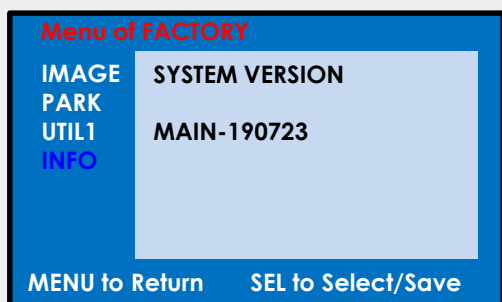**F-CAM TIME :** Time setting for the front camera display. *(OFF, 3s, 5s, 10s, 15s)*

Factory Setting

```
Menu of FACTORY
IMAGE    NAVI MODEL
PARK     FACTORY RESET
UTIL1
INFO


MENU to Return    SEL to Select/Save
```

UITL1

NAVI MODEL : Resolution for external navigation.

(QROI2/SE-CP/NV-CP)

FACTORY RESET : Factory mode reset

```
Menu of FACTORY
IMAGE    SYSTEM VERSION
PARK
UTIL1    MAIN-190723
INFO


MENU to Return    SEL to Select/Save
```

INFO

SYSTEM VERSION : SW & IF version of the interface

• Trouble shooting

Q. I cannot change mode

A.   Check connection of Ground cable and IR Cable. Check LED lamp is on, if not check connection of POWER cable.

Q. All I got on the screen is black.

A.   Check second LED lamp of the interface is on, if not, check A/V sources connected are working well. (Green lamp indicates AV sources connected works well) Check interface connection has been done well.

Q. Displayed image color is not proper (too dark or unsuitable color)

A.   Press ▶ button on the remote control for 5 seconds and check how it goes, if it does not work, inform to manufacturer.

Q. I cannot watch the rear camera on the screen

A.   Set the DIP switch #7 as state "ON".

Q. Set mode not appear

A.   Check DIP Switch.

Q. OEM image is not displayed.

A.   Check interface's LCD In/Out cable connection. If the status keeps on, inform to manufacturer.

Q. Screen only displays white color.

A.   Check LCD out cable is connected well, if this status keeps, inform to manufacturer.

Q. If no image is shown on screen after connecting CAN wire with Park gear.

A. Go on the "FACTORY MODE", check "UTIL-Rear Select". If "LAMP", change the setting as "CAN" with the remote control. (※ when connecting Rear-C wire of LAMP power cable to Backup lights, Setting should be like this / CAN : if controlling rear camera with CAN wire)