

Installation Manual

**Multimedia Interface for Infiniti QX50
with 8" Upper Monitor 2020 -**



Specification

Compatibility:

Infiniti QX50, Q50, QX60, QX80

Upper Monitor 8" 2020~

Interface Input / Output specifications

Input:

LVDS IN (Car System) *1

LVDS *1

A/V *2

CVBS (Front Camera) *1

CVBS (Rear Camera) *1

HDMI *1 [Optional]

Output:

LVDS OUT (Car System) *1

AUDIO OUT*1

Power Spec:

Input Power:

8VDC ~ 18VDC

Consumption:

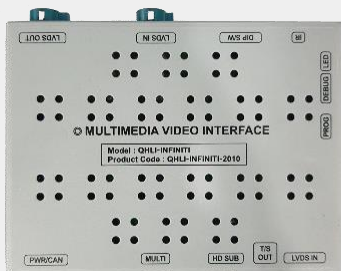
5WATT

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 or rear lamp cable

*** Multi-Touch supportable**

Components



MAIN BOARD
QCPASS1483



POWER CABLE
HPOWER0250



LCD CABLE
HLCDCA0049



AV CABLE
HAVCAB0066



UART CABLE
HTOUCH0031



IR CABLE
HIRCAB0002



BUTTON CABLE
HARETC0001



REMOTE CTRL.
REMOTE0001

Components with Options

HDMI 480P 1Port SUB Option



OPTION

HDMI-SUB

QCPASS1435



OPTION

HDMI-SUB CABLE

HARETC0327

DIP Switch Settings



*** ON: DOWN / OFF: UP**

Please make sure to disconnect the power cable of interface and reconnect to apply dip switch setting whenever changing DIP switch.

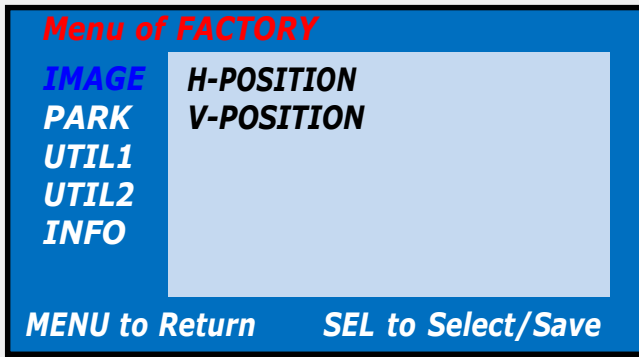
PIN	FUNCTION	Dip S/W SELECT
1	LVDS	OFF : LVDS Mode ON : LVDS Mode Skip
2	HDMI	OFF : HDMI Mode ON : HDMI Mode Skip
3	AV1	OFF : AV1 Mode ON : AV1 Mode Skip
4	AV2	OFF : AV2 Mode ON : AV2 Mode Skip
5	Front Camera	OFF : Ext. Front Camera Mode ON : OEM Front Camera Mode
6		No Use (OFF)
7	Rear Camera	OFF : OEM Rear Camera Mode ON : Ext. Rear Camera Mode
8		No Use (OFF)
9		No Use (OFF)
10		No Use (OFF)

Remote Control



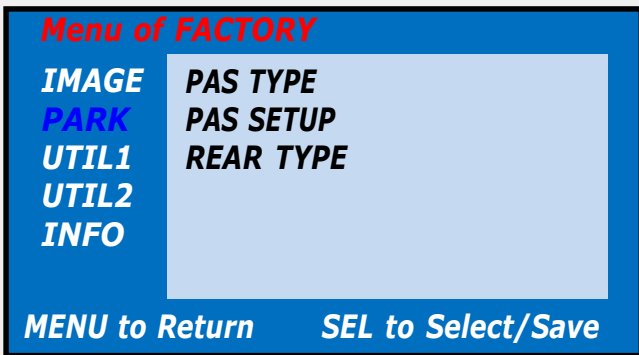
Key	FUNCTION
<i>POWER & PIP</i>	<i>N/C</i>
<i>MENU</i>	<i>Activating OSD menu</i>
<i>OK</i>	<i>Making a selection, changing image display</i>
<i>▲</i>	<i>Moving upward</i>
<i>▼</i>	<i>Moving downward</i>
<i>◀</i>	<i>Moving leftward</i> <i>(If you press this button 2 seconds long, you can access the factory mode)</i>
<i>▶</i>	<i>Moving rightward</i> <i>(If you press this button 2 seconds long, you can reset all the data about user environment)</i>

Factory Settings



IMAGE

H-POSITION/V-POSITION Setting



PARKING

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)

Factory Settings

Menu of FACTORY

IMAGE	LVDS MODEL
PARK	HDMI MODEL
UTIL1	CAR MODEL
UTIL2	AVOUT SELECT
INFO	FACTORY RESET

MENU to Return SEL to Select/Save

UTIL1

LVDS MODEL:

Android, Car-play, Navigation Model Setting

HDMI MODEL: DTV, Android Model Setting

CAR MODEL:

QX60(Y15~)/Q50(Y15~)/PATHFINDER

QX50(Y15~)/Q50(~Y14)

AVOUT SELECT:

Select audio channel transmitted through AUX
(Default/AV1/AV2/HDMI)

FACTORY RESET:

Factory mode reset (YES/NO)

Menu of FACTORY

IMAGE	REMOTE CONTROL
PARK	REMOTE TYPE
UTIL1	IR MEMORY
UTIL2	FCAM TIME
INFO	MODE BUTTON

MENU to Return SEL to Select/Save

UTIL2

REMOTE CONTROL:

Able to control UI remote by touch (OFF/ON)

REMOTE TYPE:

Able to use remote control on DVD, DTV by selecting "User" after IR memory registered

IR MEMORY:

Register IR memory of remote control for DTV, DVD (AV1/AV2)

FCAM TIME: Front Camera Display Setting

MODE BUTTON: BACK (Default)/AUDIO

Menu of FACTORY

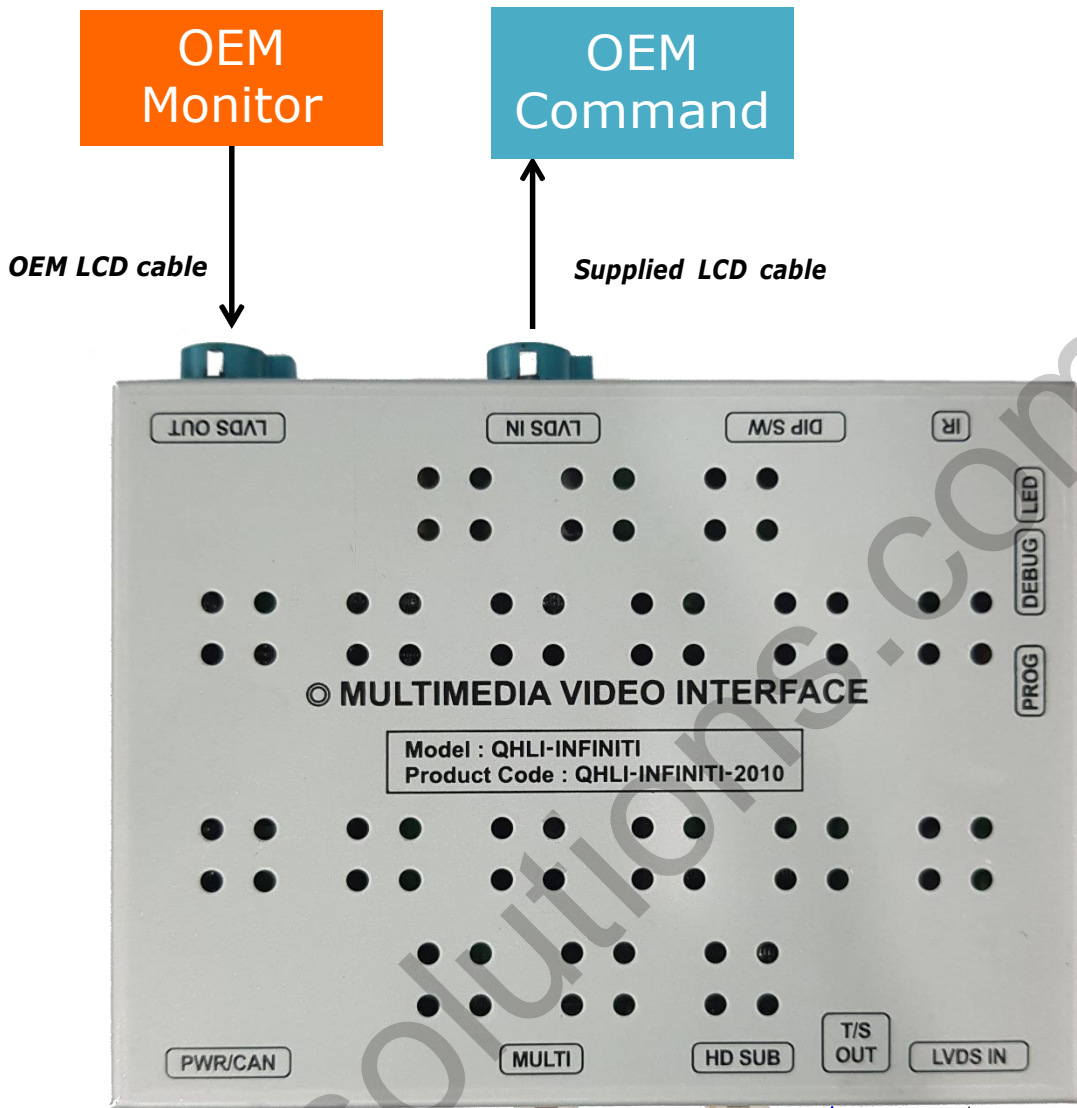
IMAGE	<SYSTEM VERSION>
PARK	
UTIL1	- MAIN : 201016
UTIL2	
INFO	

MENU to Return SEL to Select/Save

INFO

System version information

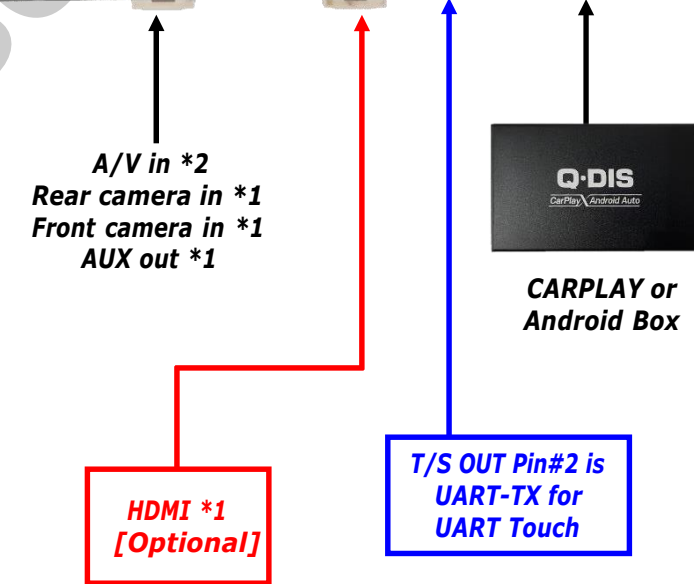
Installation Diagram



Provided Power/CAN Pin Map

#	Description	Color
1	ACC	Red
2	GND	Black
3	CAN1-H	White
4	CAN1-L	Yellow
5	CAN2-H	Black/White
6	CAN2-L	Black
7	N/C	-

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* Please refer to the next page for the details of Power/CAN wire connection.

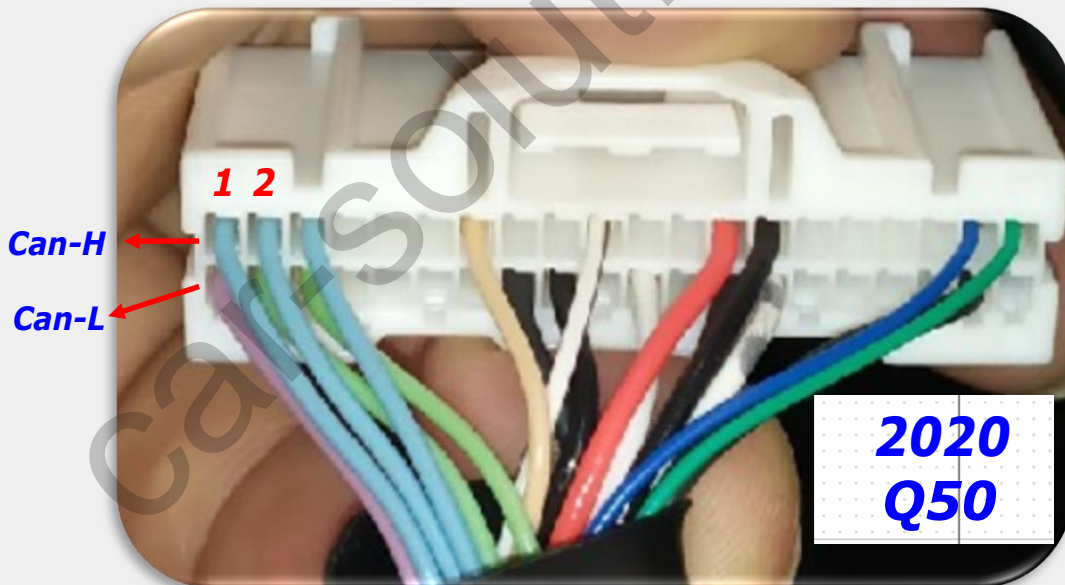
Power/CAN Connection

* Please find head unit behind the central control air conditioning panel, and you could find OEM power and CAN cable and wire with provided power cable.

Please find below CAN wire behind the head unit and connect with provided power CAN1 and CAN2 high and low wire.

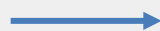
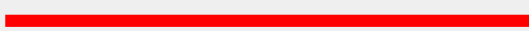
1. CAN1-Gear (High and Low)
2. CAN2-Button (High and Low)

2020
QX50

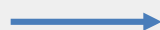


2020
Q50

Provided power ACC wire



Car ACC



Car GND

Provided power GND Wire

OEM Button Activation

* Please long press below button for mode change (function every 3secs).



Cautions Before Installation

- 1. Ignition key should be taken off before starting installation, interface power connection must be the last step in installation.*
- 2. Power cable should be separated when connecting interface.*
- 3. Should be no any electronic devices or magnetic pole around installation place.*
- 4. All steps of installation should be done by well-trained specialist.*
- 5. Dismantling without manufacturer's permission cannot be guaranteed, (No permission to break attached label on the board.)*
- 6. Kindly check all parts are in the box, when receiving the product, if anything missing, inform to the supplier or manufacturer.*
- 7. According to our sales policy, any problems caused by user's mistake, careless cannot be guaranteed.*

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. (Second 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 2 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)