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Installation Manual

Video Interface for MASERTAI LEVANTE Model : QHI-LVTX-LEVANTE



Specification

Compatibility : MASERATI LEVANTE 2017

Components : Interface * 1pcs, Subboard * 1pcs, Ex board * 1pcs

Interface Input/Output specification

Input : HDMI*1, Analog RGB*1, A/V*2, CVBS(Rear camera)*1 CVBS(Front camera)*1 Output : To LCD*1

Power Spec

Input Power : 8VDC ~ 18VDC Consumption : 5WATT

Switch input mode

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

Features

- Control external videos sources (DVD, DTV) via Multi Media Touch
- Adjust external videos screen position
- Check the improved Screen Display (User Friendly Interface)
- Switch modes via original OEM button
- Supply power to rear view camera (Back up camera)
- Offer Dynamic Pas(Parking assistance system), moving parking line based on the steering wheel movement.

Product exterior



Components



Subboard * 1ea

(QCPASS1121)



Subboard tape * 1 ea (LABELS0216)



EX board * 1ea (QCPASS1102)

LVDS Cable*1ea (HLVDSC0051)

SDA/SCL Cable*1ea ()

INT Cable*1ea (HARETC0248)

FFC cable①*1ea (FFCBAL0090)



Power cable * 1ea (HPOWER0186)



EX Cable*1ea (HARETC0249)

















RGB cable * 1ea (HRGBCA001**S)Upport** (CABLO SelectionS (HOUCH0022)

REAR * 1ea (HARETC0002) BUTTON * 1ea (HARETWOOGPT-SQLIKEABSOODM (REMOTEO001)

DIP SWITCH



* ON : DOWN / OFF : UP

PIN	Function	Dip S/W
1	RGB mode	OFF : Display RGB Mode ON : Skip RGB Mode
2	HDMI mode	OFF : Display HDMI mode ON : Skip HDMI mode
3	AV1 mode	OFF : Display AV1 mode ON : Skip AV1 mode
4	AV2 mode	OFF : Display AV2 mode ON : Skip AV2 mode
5		No uso (off)
6		NO USE(OII)
7	Rear Camera	OFF : OEM Rear camera ON : Aftermarket rear camera
8	5	No use(off)

Remote Control



Кеу	Function		
POWER & PIP	No use		
MENU	Activate FACTORY mode		
OK	Select, Changing image display		
	Move up		
▼	Move down		
•	Move left(Access to the factory mode if you press this button more than 2 seconds)		
car-solutions.com	Move right (Activate the data reset if you press this button more than 2 seconds)		

Factory setting



H-POSTION V-POSTION H-SIZE(NAVI) BRIGHTNESS CONTRAST

Adjust a current screen position and size.

H-POSITION : Move display horizontally V-POSITION : Move display vertically H-SIZE(NAVI) : Adjust the size of navigation vertically BRIGHTNESS : Adjust brightness of screen

BRIGHTNESS : Adjust brightness of screen CONTRAST : Adjust contrast of screen



Adjust rear view camera setting.

PAS TYPE : Select type of parking guide line

- NOT USED : No use parking guide line
- PAS ON : Selecting Dynamic parking guide line
- PAS OFF : Selecting fixed parking guide line

REAR TYPE : Choose rear camera recognition.

- CAN : By connecting to "CAN" cable of the car gear, changing to rear camera mode when shifting into reverse. (Connect "CAN" cable of the power cable to the "CAN" cable of the car gear.)
- LAMP : By connecting to the rear lamp of the car, switch to rear camera mode when shifting into rear. (Connect "Rear-C" cable of the power cable to the rear lamp of the car.)

SAFE ENABLE : If it is enable, HDMI, RGB, and A/V mode doesn't show up while driving. (Default : OFF)

RADAR ENABLE : Setting up parking distance alarm sensor. (ON/OFF)

PAS SETUP : Adjusting the position of the parking guide line



Factory setting



NAVI MODEL : QROI RGB(WVGA) HDMI MODEL : QROI CAR MODEL : LEVANTE AVOUT SELECT : DEFAULT FCAM FUNC : OFF

Navigation & Car model setting up

NAVI MODEL	: Setting for RGB navigation
	(Default, Q-roi RGB, WP9230,
	HDMI(WVGA), PAPAGO2016)
HDMI MODEL	: Setting for HDMI navigation
	(DEFAULT, QROI)
CAR MODEL	: Selection for car model
	(LEVANTE)
AVOUT SELECT	: Selecting background sound
	through car AUX
	(Default, HDMI, AV, AV2)
FACM FUNC	: OFF – Do not use front camera
	EXT – Use aftermarket F-CAM
	OEM – Use OEM F-CAM

IMAGE PARK FUNCTION UTIL INFO

CALIBRATE REMOTE SELECT AV1 REMOTE OSD AV2 REMOTE OSD IR MEMORY FACTORY RESET

Other options

 CALIBRATE REMOTE SELECT
: Able to calibrate touch screen
: Able to use remote control on DVD, DTV by selecting "User" after IR memory is registered. (Default, User)
AV1 REMOTE OSD : AV1 multimedia OSD setting
AV2 REMOTE OSD : AV2 multimedia OSD setting
: Register IR memory of Remote control for DTV, DVD

FACTORY RESET : FACTORY mode reset

System version information

IMAGE PARK PARK FUNCTION UTIL INFO

SYSTEM VERSION (MAIN - 130723) MCU : L1.5.10.28

OEM button

* Press "Back button" as shown below to change the mode



* Press button long to change the mode (OEM-RGB-HDMI1-AV1-AV2)



Connect No d pin (Yellow) of power cable to the place where yellow circle is marked from OEM connector

Installation Guide – Monitor part



Please disassemble the monitor.



When you take off the back cover, there is an OEM PCB as same as above the picture.



Please attach provided Sub board on the tape and connect FFC cable ①.



Pleasepplogt@FCacable@tosSubm B/D as above picture.



Please dismantle the monitor as same as above the picture.



Please take out the PCB and attach the provided double side tape as like above the picture.



Please connect OEM FPC cable like the picture.



Please assemble *Q*EM-BOB tandsconect the opposite side of FFC cable ② to the OEM PCB.

•Installation Guide – Soldering part (To use Touch)



After that, please fold the FFC cable ② like above picture.



Please remove that register. After removal, it should be same with above picture.



After that, please connect the cable to INT connector on the left side of the sub board.



After that please cancert that sables to SCL/SDA connector on the right side of the sub board.



Please find out the register which is located beside Amel chip on OEM PCB.



Please solder provided INT(IN) and INT(OUT) wires on OEM PCB as above points.



Please solder SCL and SDA wires on the OEM PCB as above points.



Pleasewww.tepessforueablescfirmly fixed.

Installation Guide – Monitor part



Please assemble back cover and please pull out FFC cable ① as above picture.



Please mount provided bracket and bolt another sub board on it.



Please assemble the monitor after pull out FFC cable ①.



Please plug FFC cable ① to the sub board as same as above picture.

A Picture for Soldering Parts

