Installation Manual

Interface for Mercedes Benz

MBUX

W213-CT

Q·DIS

Specification

Compatibility: Mercedes Benz MBUX

Components: Interface Main *1

Interface Input / Output specification:

    Input: LVDS IN (Car System) *1
                       CVBS(Front Camera) *1
                       CVBS(Rear Camera) *1

    Output: LVDS OUT (Car System) *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 control
3. Able to detect the rear view camera by CAN

Features

1. Adjustable screen position of external device
2. Improved Screen Display(user-oriented interface)
3. Power output for rear camera
4. Dynamic PAS(parking assistance system)

Main Board

QCPASS

10Pin Wires Power cable (New)

Power Cable

Dual Fakra Cable

HLCDCA0058

IR Cable

HIRCAB0002

Remote Control

REMOTE0001

DIP Switch Setting

* ON : DOWN / OFF : UP

Please make sure to disconnect the power cable of the interface and reconnect the power cable again to apply the dip switch changes.

PIN	FUNCTION	Dip S/W SELECT
1	Fcam	OFF : After Market Front Camera ON : OEM Front Camera
2	R-CAM	OFF : OEM Rear Camera ON : After Market Rear Camera
3	LCD Resolution	OFF : 1920 * 720 ON : 960 * 540
4	LCD TYPE(CAR MODEL)	OFF : Without OEM T/S : C-CLASS(10") With OEM T/S : A-CLASS(10"), SPRINTER(7") ON : Without OEM T/S : E-CLASS(8.4"/12.3"), S-CLASS(12.3"), C-CLASS(7") With OEM T/S : GLE(10"), A-CLASS(7")

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

°Factory Setting

```
Menu of FACTORY

PARK        PAS TYPE
UTIL1       PAS SETUP
INFO        REAR TYPE
            AUTO FCAM
            RCAM TIME
            RADAR ENABLE

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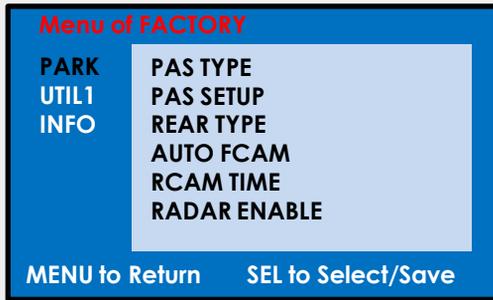
PARK

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 :** *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)*

AUTO FCAM: Time setting for the front camera display
(OFF, 3s, 5s, 10s, 15s)

RCAM TIME: *After leaving R gear, Displaying Rear Camera screen as much as time set*

RADAR ENABLE: *OFF, TYPE 1, TYPE2*

> *Type 1 : A class 10.1inch Split screen*
> *Type 2: GLE 10.1inch Split screen*

Factory Setting

```
Menu of FACTORY
PARK     AVOUT SELECT
UTIL1    AUTO FCAM TIME
INFO     FCAM FUNC
         NAVI MODEL
         HDMI MODEL
         FACTORY RESET

MENU to Return    SEL to Select/Save
```

UTIL1

FACTORY RESET: *Factory mode reset*

```
Menu of FACTORY
PARK     SYSTEM VERSION
UTIL1
INFO      (MAIN -210525)

MENU to Return    SEL to Select/Save
```

System version information

Rear Picture in picture mode

Press Return button on steering wheel to activate or deactivate PIP Function

7inch monitor

Small PIP screen

10.1inch monitor

Split screen to show OEM PDC

Pressing PIP Button on Remote control has the same function.

Installation Diagram

* Please refer next page for LVDS in/out connection

IR | DIP S/W | LED | LVDS IN | LVDS OUT

○ MULTIMEDIA VIDEO INTERFACE

Model : W213
Product Code : W213-CT-2105

PWR/CAN | DEBUG | PROG | R-CAM | F-CAM

ACC (red)
G ND(Black)
CAN-H
CAN-L
REAR DET.
FRONT DET.
REAR 12V
FRONT 12V
12V SEL

Rear camera input *1
Front camera input *1
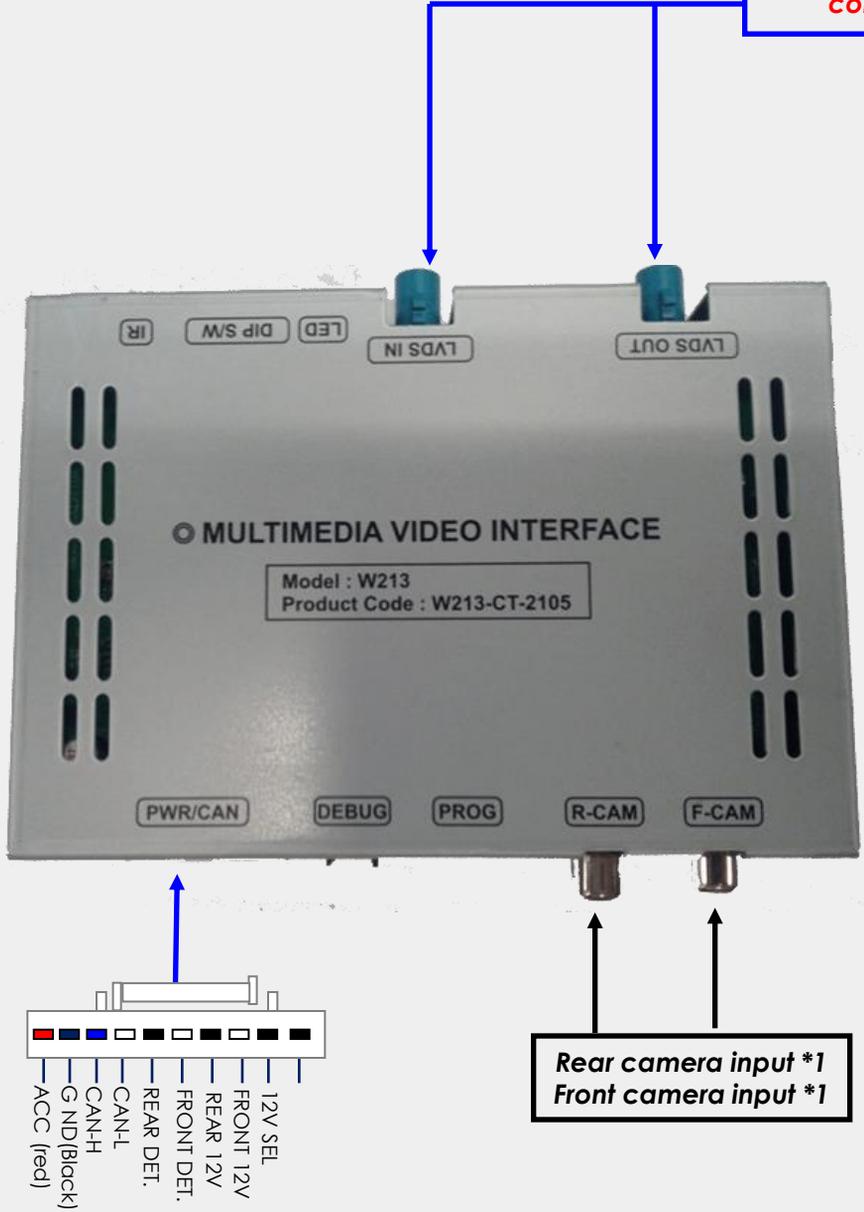
• LVDS IN/OUT connection

Find the red color double Fakra connector behind the command

MBUX HU

OEM Angle type double Fakra connector

OEM Cable

LVDS IN

LVDS OUT

OEM HU

© MULTIMEDIA VIDEO INTERFACE

Model : W213
Product Code : W213-CT-2105

PWR/CAN   DEBUG   PROG   R-CAM   F-CAM
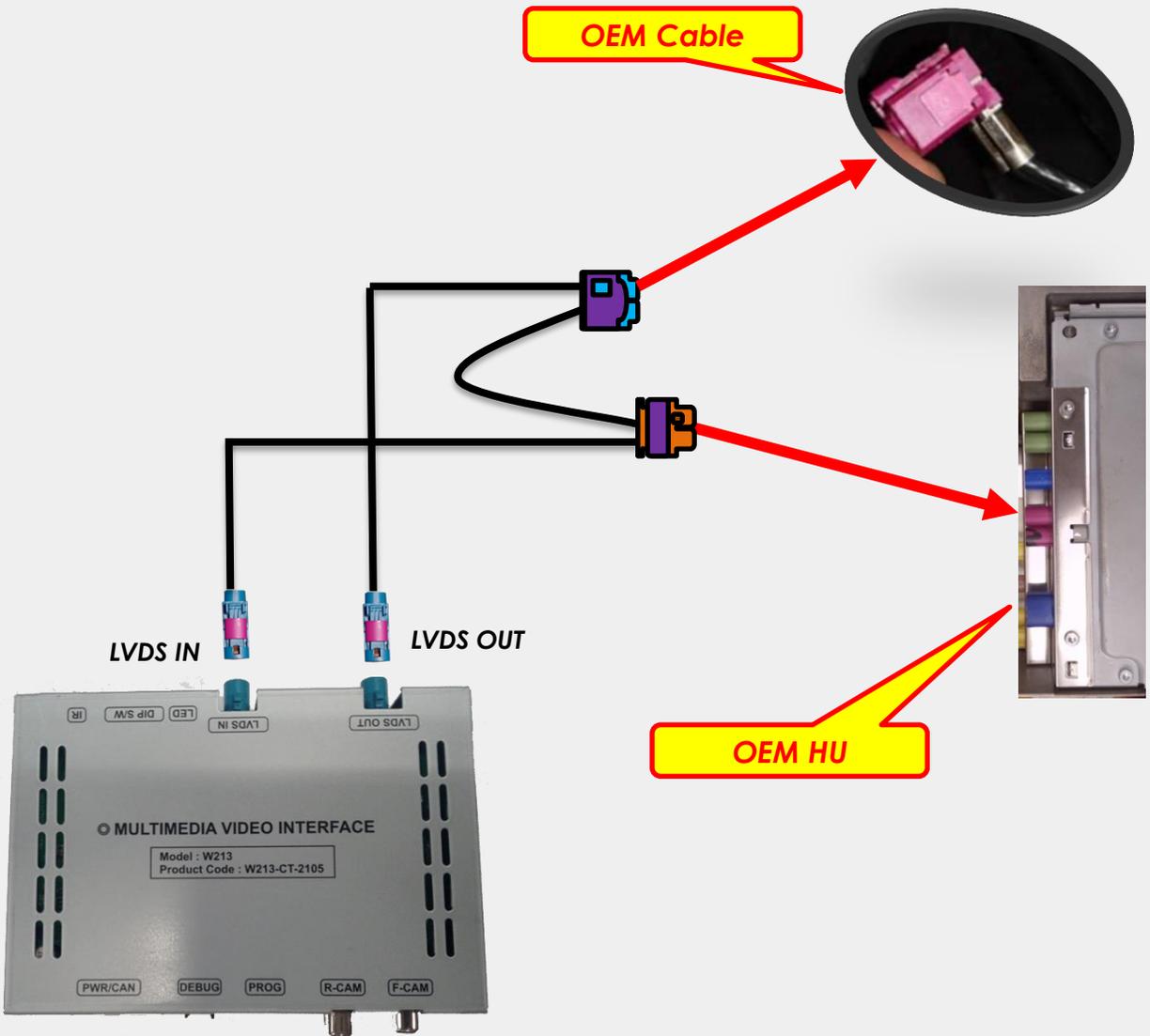
	Interface	Behind radio	
CAN-HIGH 1	Pin 3 – White	Purple/white	CAN-H
CAN-LOW 1	Pin 4 – Yellow	Purple	CAN-L

Viola / Bianco = CAN H collegare qua il filo CAN Bianco dell'interfaccia

Viola = CAN L collegare qua il filo CAN Giallo dell'interfaccia
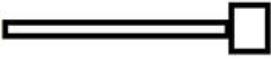
Trouble shooting

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 Video sources connected are working well. (Second lamp indicates Video 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)

Q·DIS

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