



INSTRUCTION
MANUAL

Wireless Connected Car System

ALFA ROMEO KPLAY

Alfa Romeo 6.5" / 8.8" Screen

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CAR COMPATIBILITY SHEET



BRAND	YEAR	SCREEN
ALFA ROMEO	2016~	6.5"
		8.8"
	2020~	6.5"
		8.8"

INTERFACE SPEC

1 KPLAY INPUT

- Wireless APPLE CARPLAY
- Wired APPLE CARPLAY
- Wired ANDROID AUTO
- USB storage media

2 INPUT

- 1 x CVBS(REAR CAMERA) Input (Rear camera source)
- 1 x CVBS(FRONT CAMERA) Input (Front camera source)
- 1 x LVDS Input (Car Command System)

3 OUTPUT

- 1 x Audio L/R Out
- 1 x LVDS Out (LCD Operation)

4 POWER

- Input Power : 8VDC ~ 24VDC
- Consumption Power : 12Watt, Max

5 SWITCH INPUT MODE

- Possible to select CAR model while switching mode by DIP S/W
- By button on the Commander in the car via CAN

EXTERNAL DEVICE SPECIFICATIONS

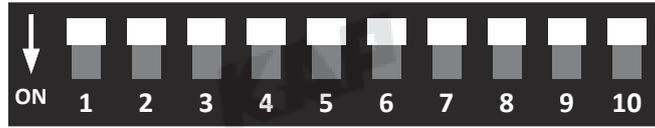


- 1** LCD OUT
- 2** LCD IN
- 3** DIP SWITCH
- 4** PROGRAM
 - OSD connection
- 5** IMAGE
- 6** LED
 - Interface error check



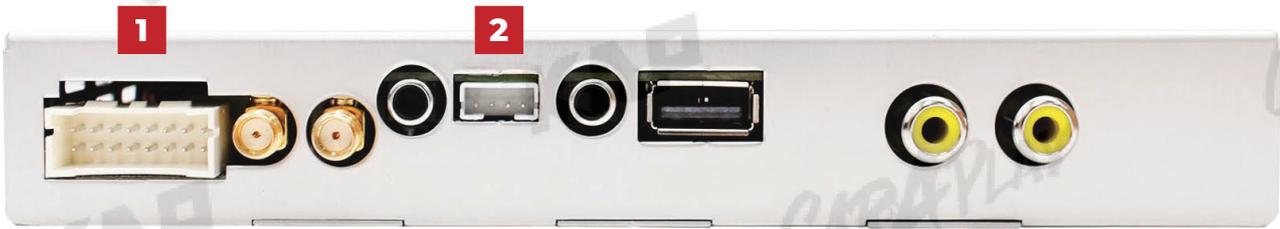
- 7** POWER/CAN
- 8** ANTENNA X 2
- 9** AUX
- 10** TOUCH
 - 4PIN Touch
- 11** MIC
- 12** USB
 - Smartphone
 - USB storage
- 13** FRONT
 - FRONT CAMERA IN
 - DVB-T or DVD IN
- 14** REAR
 - REAR CAMERA IN

DIP SWITCH SETTING



PIN	FUNCTION	INFORMATION	
		▲ OFF	▼ ON
1~5		No function	
6~9	Car Type		ALFA ROMEO 8.8" Screen
			ALFA ROMEO (2016~) 6.5" Screen
			ALFA ROMEO (2020~) 6.5" Screen
10		No function	

CONNECTOR PIN ASSIGNMENT



No	PORT	INFORMATION																																																						
1	POWER /CAN	 <table border="1"> <thead> <tr> <th>No.</th> <th>Color</th> <th>Signal Assignment</th> <th>No.</th> <th>Color</th> <th>Signal Assignment</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Red</td> <td>Battery</td> <td>2</td> <td>Red</td> <td>Battery</td> </tr> <tr> <td>3</td> <td>Brown</td> <td>REAR DET</td> <td>4</td> <td>Blue</td> <td>FRONT DET</td> </tr> <tr> <td>5</td> <td>Green</td> <td>CAN 1 Low</td> <td>6</td> <td>Brown</td> <td>CAN 1 High</td> </tr> <tr> <td>7</td> <td>White</td> <td>CAN 2 Low</td> <td>8</td> <td>Purple</td> <td>CAN 1 High</td> </tr> <tr> <td>9</td> <td></td> <td></td> <td>10</td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> <td>12</td> <td>Red</td> <td>REAR VCC</td> </tr> <tr> <td>13</td> <td>Red</td> <td>FRONT VCC</td> <td>14</td> <td>Green</td> <td>Mode</td> </tr> <tr> <td>15</td> <td>Black</td> <td>GND</td> <td>16</td> <td>Black</td> <td>GND</td> </tr> </tbody> </table>	No.	Color	Signal Assignment	No.	Color	Signal Assignment	1	Red	Battery	2	Red	Battery	3	Brown	REAR DET	4	Blue	FRONT DET	5	Green	CAN 1 Low	6	Brown	CAN 1 High	7	White	CAN 2 Low	8	Purple	CAN 1 High	9			10			11			12	Red	REAR VCC	13	Red	FRONT VCC	14	Green	Mode	15	Black	GND	16	Black	GND
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KPLAY CONTROL

MAIN SCREEN



1 APPLE CARPLAY

- Wireless
- Cable

2 ANDROID AUTO

- Cable

3 USB MEDIA

- VIDEO
- MUSIC
- IMAGE

4 SETTINGS



Apple CarPlay – 800 x 480



Android AUTO – 800 x 480



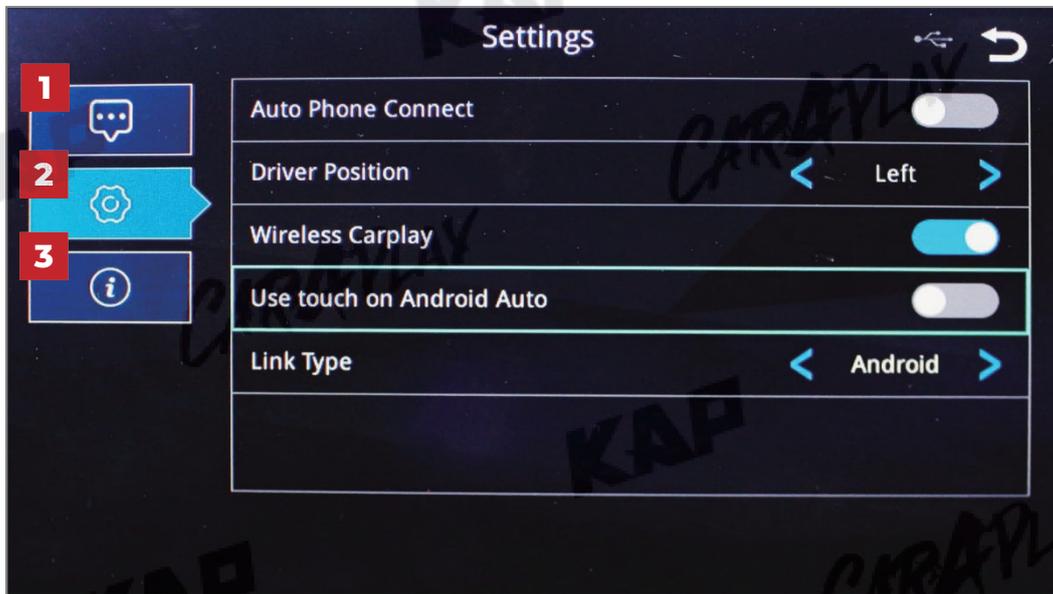
Apple CarPlay – 1280 x 480



Android AUTO – 1280 x 480

KPLAY CONTROL

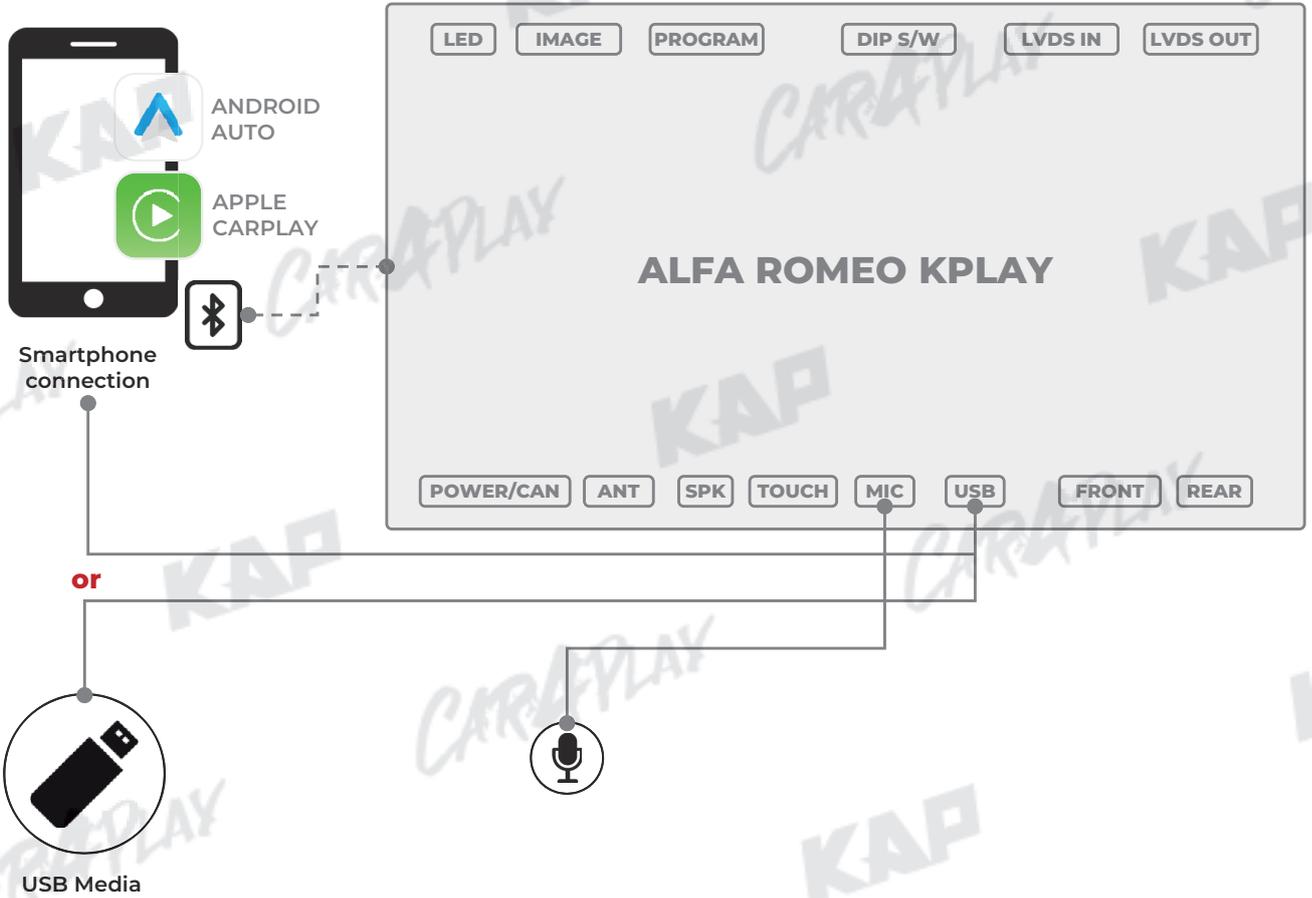
SETTINGS



No	INFORMATION		SELECTION	FUNCTION
1	Language settings	Languages		You can change the language of the settings screen
2	Connection settings	Auto Phone Connect (Only for wired connection)	Activation	Automatically launch Android AUTO or Apple CarPlay when smartphone is connected
			Disabled	Charge only when connecting a smartphone, select icon to launch Android AUTO or Apple CarPlay
		Driver Position	Left	Use when driver's position is left
			Right	Use when driver's position is right
		Wireless Carplay	Activation	Connect Apple CarPlay wirelessly (Bluetooth)
			Disabled	Used to wire Apple CarPlay
		Use touch on Android Auto	Activation	Touch is available when running Android Auto
			Disabled	Touch not available when running Android Auto
Link Type	Android	Android Auto		
	Carlife	do not select (Update Coming Soon)		
3	Firmware Information	Reset	Factory reset	
		Sys Update	Update firmware using USB	

KPLAY CONTROL

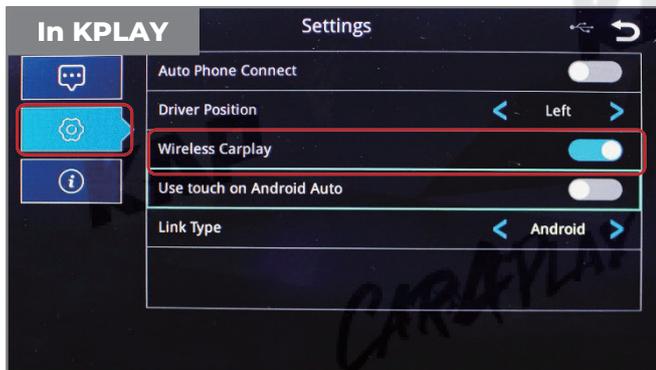
MEDIA CONTROL



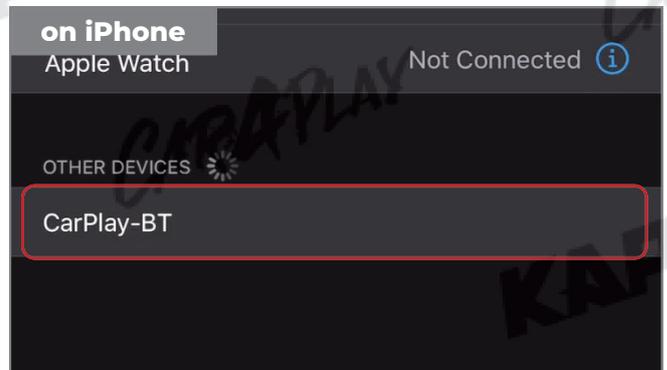
No	INFORMATION	Can be used	CONTROL	NOTICE
1	Wireless connection	Use all Apple CarPlay Functions	<ul style="list-style-type: none"> AUX MIC JOG Dial 	<ul style="list-style-type: none"> Multiple connections are not supported Only one device can be connected unconditionally
	Cable Connection			
2	Android AUTO	Cable Connection	Use all Android AUTO Functions	
3	USB Media	Connection	Music, Photo, Video	

KPLAY CONTROL

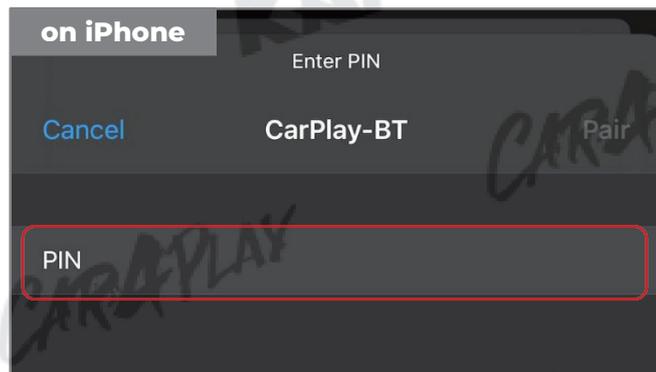
iPhone Wireless connection - Connection method



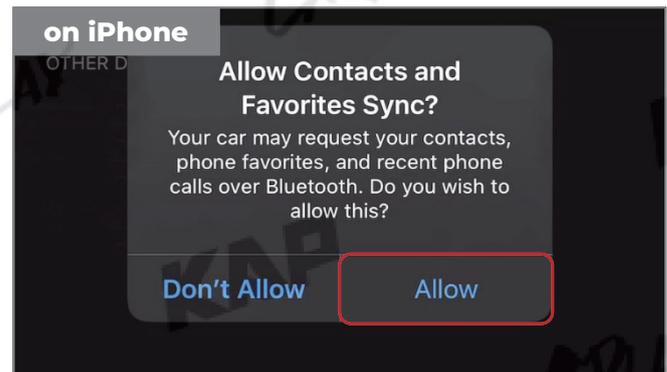
1. Activate Wireless Carplay in KPLAY Settings Menu
(If Wireless Carplay is enabled, you cannot connect by wire)



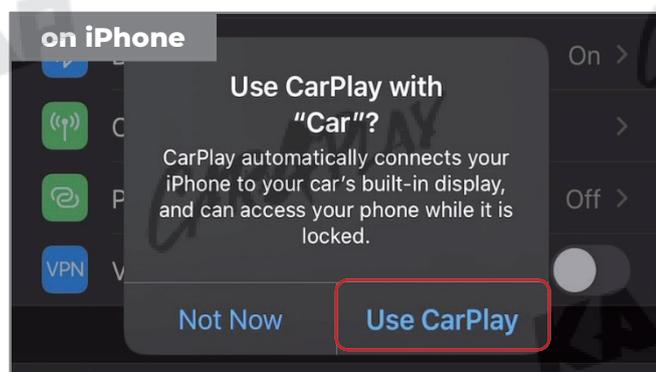
2. Choose CarPlay-BT in Bluetooth on iPhone



3. PIN Number "0000" enter



4. "Allow" select



5. "Use CarPlay" select
(Once connected, Bluetooth will be disconnected and connected via Wi-Fi)



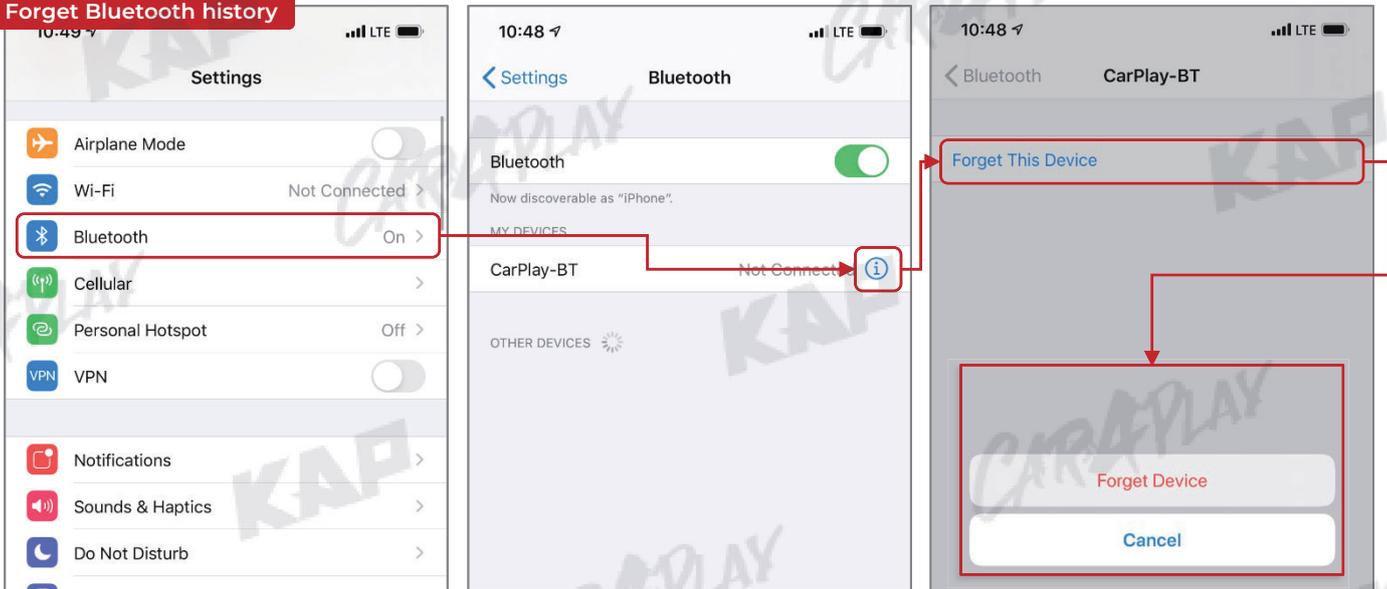
6. Enjoy CarPlay!

KPLAY CONTROL

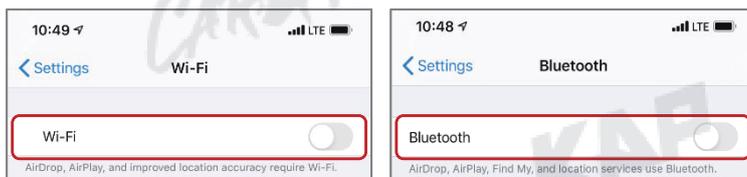
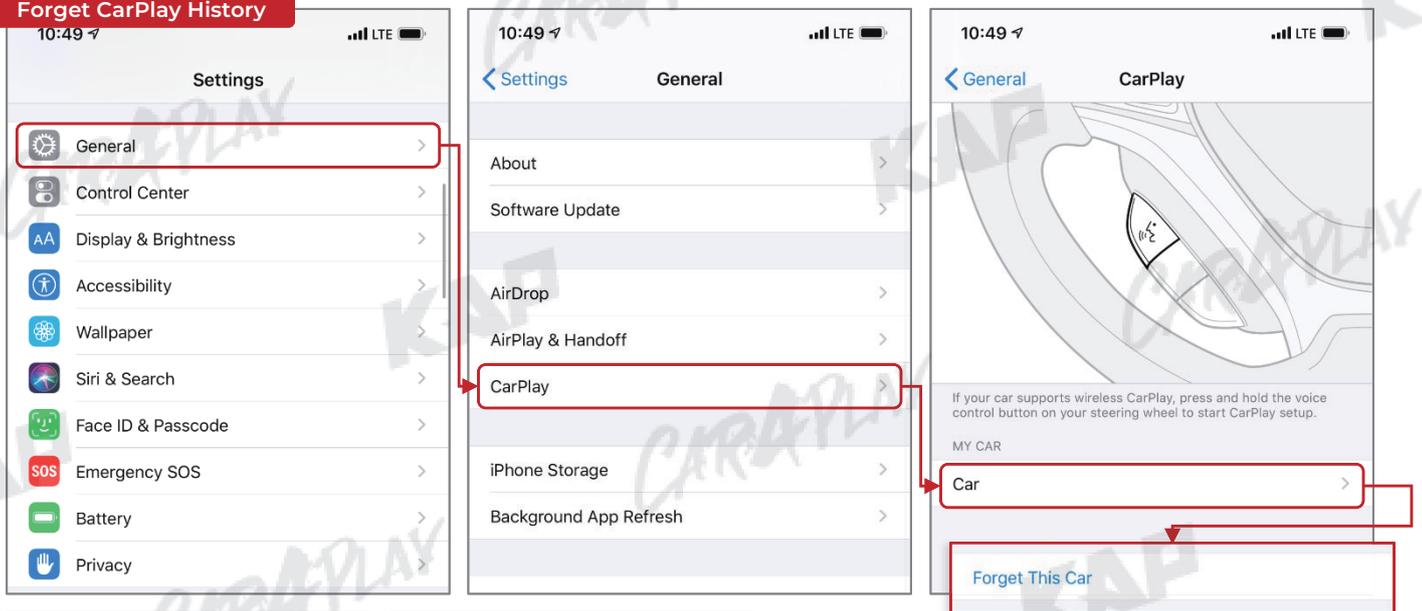
If your iPhone fails to connect

1. Make sure Siri is active
2. Delete the Bluetooth and CarPlay records as shown below,
3. disable and re-enable WiFi and Bluetooth, then try to connect again.

Forget Bluetooth history



Forget CarPlay History



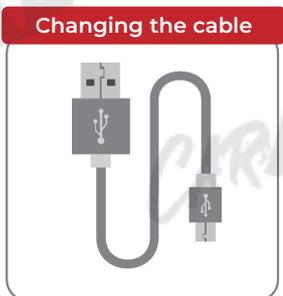
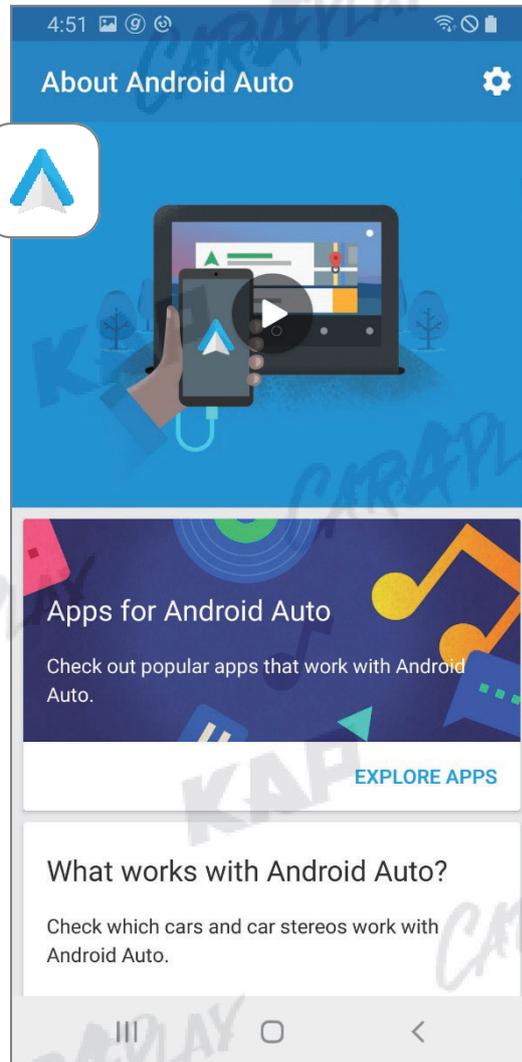
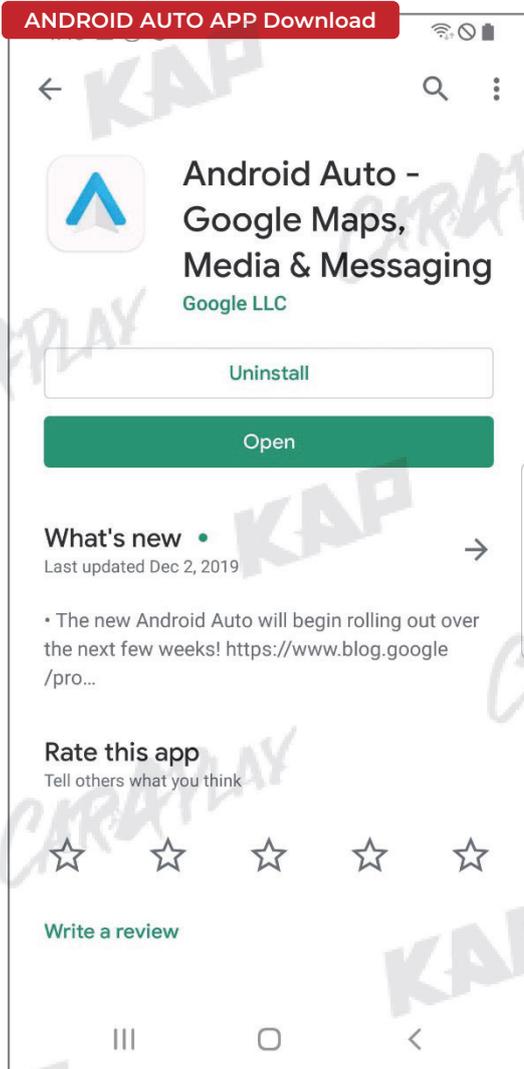
Warning

- Due to the nature of the wireless connection, sometimes the connection is not working properly
- If you follow the same procedure as above, but the connection is not working properly, reboot KPLAY and iPhone and try again

KPLAY CONTROL

If your Android Phone fails to connect

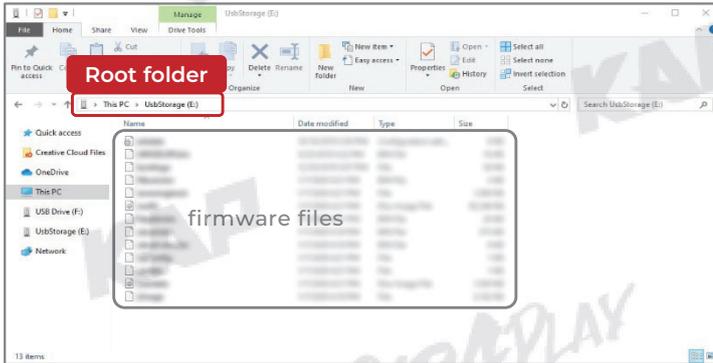
1. Check if your smartphone has ANDROID AUTO application
2. Replace the cable



Warning

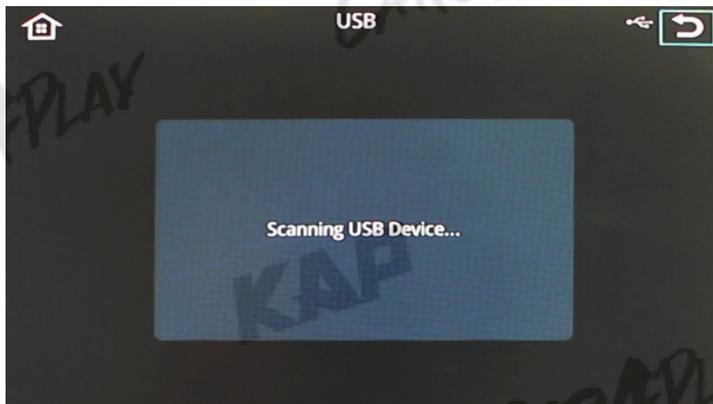
- Android Auto may not run even if the cable is not broken
- If you follow the same procedure as above, but the connection is not working properly, reboot KPLAY and iPhone and try again

KPLAY FIRMWARE UPDATE

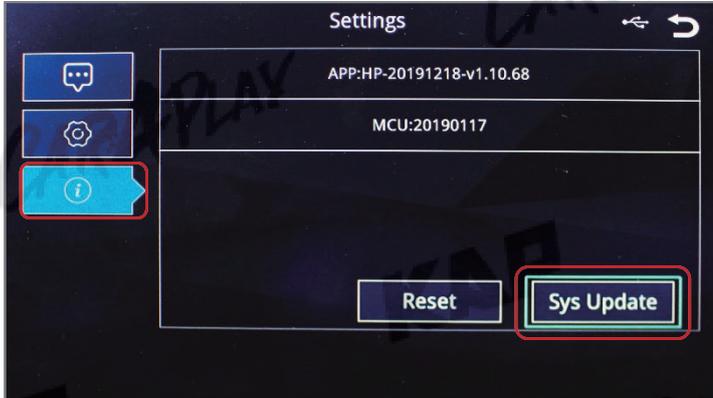


1. Add the firmware file provided in root folder* of the USB

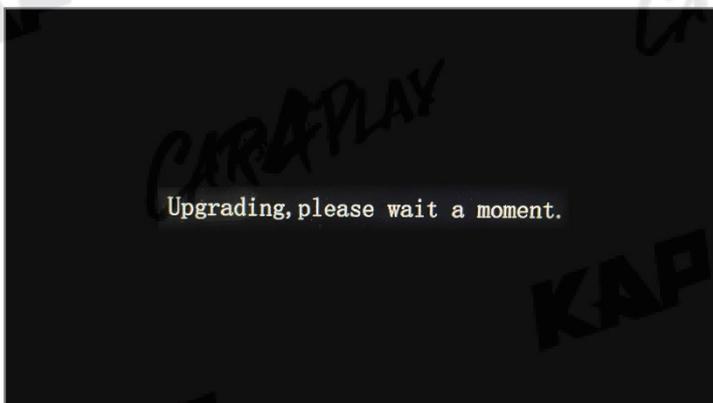
*Root folder : Top-level folder without adding folder



2. Connect USB to the KPLAY board with the update file. The USB media will be scanned automatically
Press the Home button on the top right corner of the USB Media screen and select the Settings menu



3. Select 'Sys Update' from the Settings menu



4. After the device reboots, check the message and wait for the update to complete.

Warning

- If USB with firmware is connected, the update will be performed every time the device is rebooted

BUTTON CONTROL

CARPLAY Control



No	BUTTON	OPERATION	FUNCTION
1	DIAL	Press	Selection
2		Turn left	Moving left
3		Turn right	Moving right
4		Press left	Moving left
5		Press right	Moving right
6		Press upward	Moving up
7		Push downward	Moving down
8	MENU	Press	Back
9	OPTION	Press	Siri
10	VOL DIAL	Press left	Play previous track
11		Press right	Play next track

BUTTON CONTROL

Change Mode to Interface Screen



MEDIA

BUTTON	OPERATION	FUNCTION
MEDIA	Long press	OEM screen to interface screen Interface screen to the OEM screen
	▶ Screen change sequence : OEM ▶ NAVI(KPLAY) ▶ OEM	



BUTTON	OPERATION	FUNCTION
DNA Mode Dial	DNA Mode Change	Show OEM screen for 2 seconds and return to interface screen

PARKING CONTROL

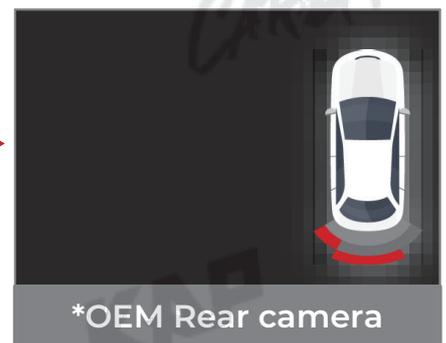
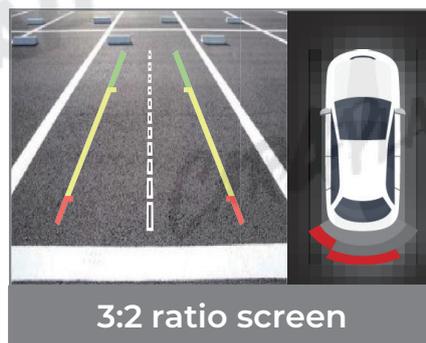
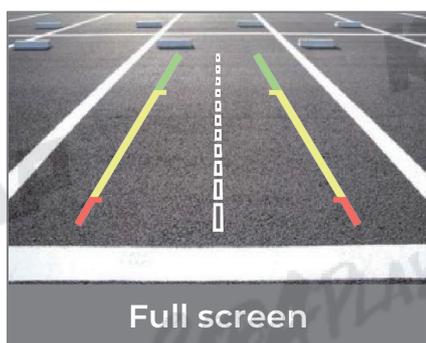
Parking Line / Rear camera ratio setting

1 Parking Line Display



2 Rear camera ratio settings

	BUTTON	OPERATION	FUNCTION
	Dial	Press down for 2 seconds	Change screen ratio (Full Screen, 3:2 ratio screen, OEM Screen)



Warning

- *If there is no OEM rear camera, black screen is displayed (Only sensor appears on screen)

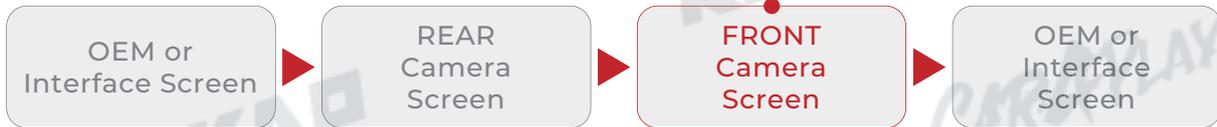
PARKING CONTROL

FrontCam Rcv Option

1 FrontCam-RcvOpt : ON (1 - 30s)

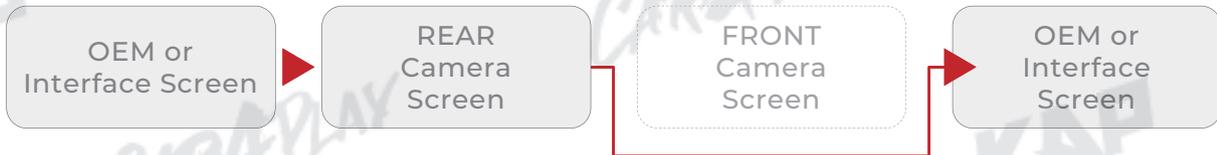
MENU	Option	NAVI
Config	FronrCam-RcvOpt	<input type="text" value="30s"/>
Option		
Image		
Screen		
Parking		

Displays the front camera screen for the set time (1 - 30second)



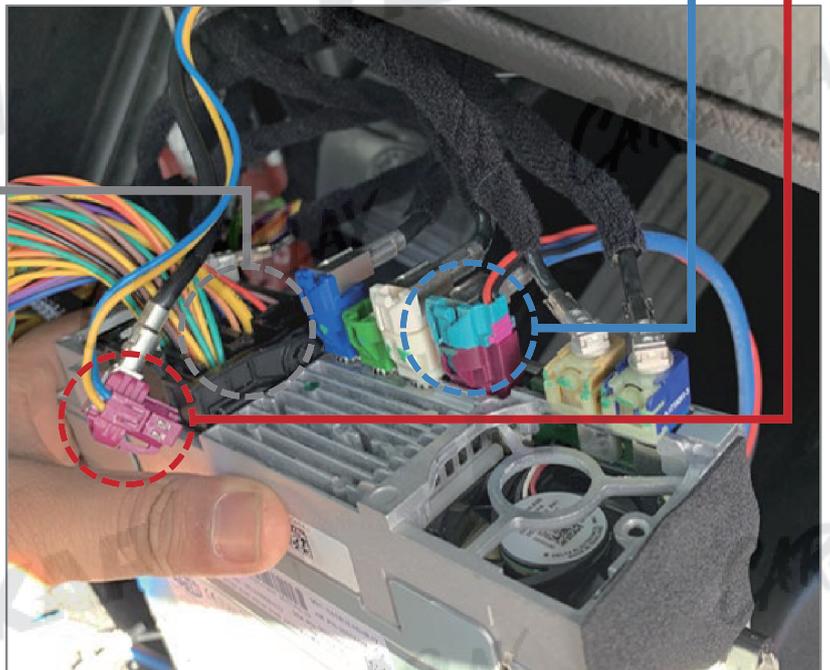
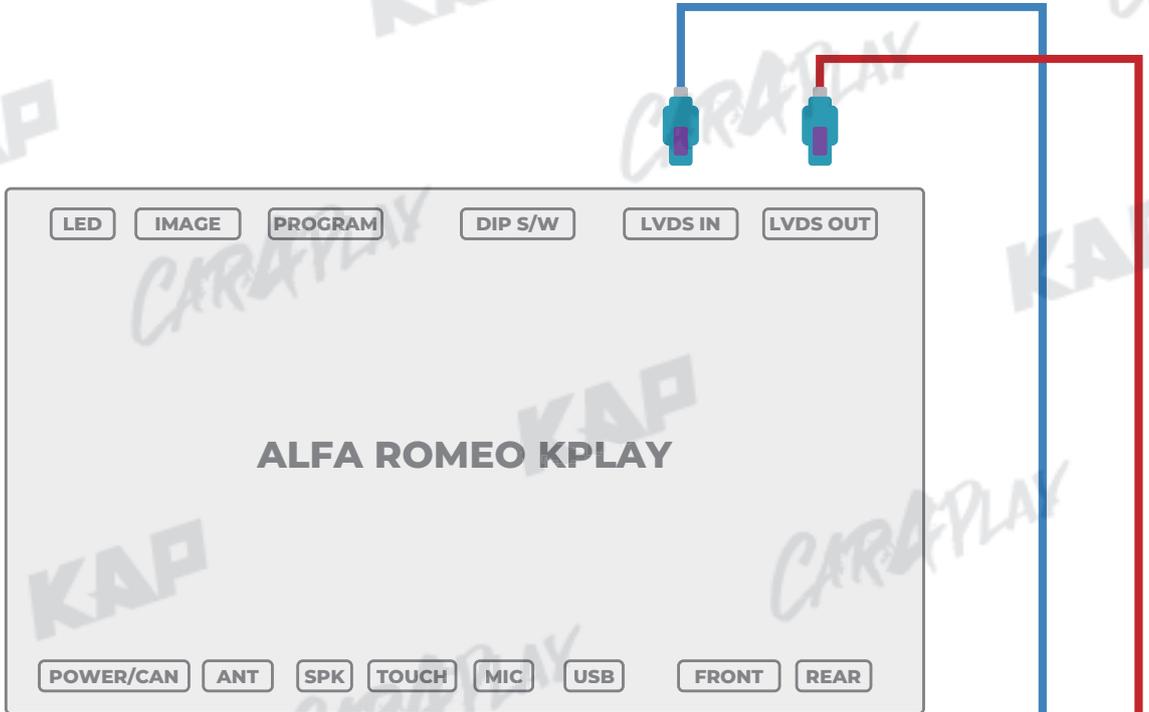
2 FrontCam-RcvOpt : OFF (0s)

MENU	Option	NAVI
Config	FronrCam-RcvOpt	<input type="text" value="0s"/>
Option		
Image		
Screen		
Parking		



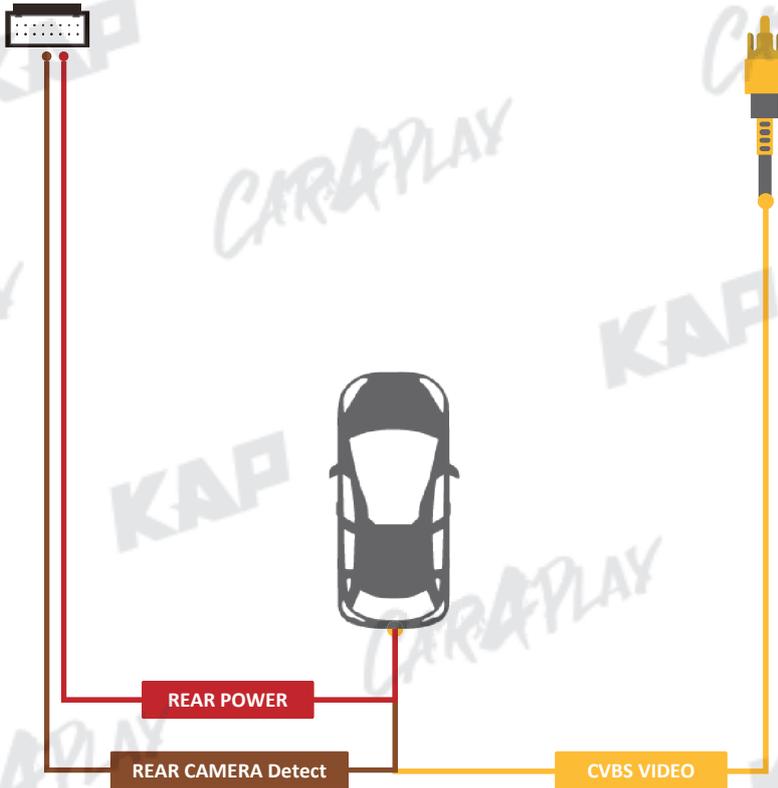
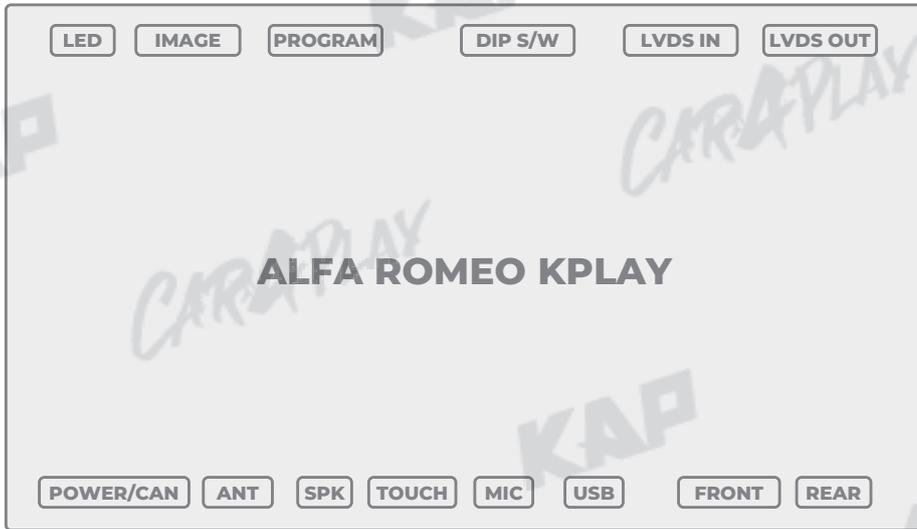
INSTALL MANUAL

LVDS connection



INSTALL MANUAL

Rear Camera



OSD CONTROL

Basic information

1	MENU	2	Option	3	NAVI
4	Config	5	RearCam-Type	6	ExtDevice
	Option		RearCam-Power		Auto
	Image		RearCam-Det		GEAR
	Screen		AV Mode		Off
	Parking		FrontCam-Type		ExtDevide

OSD(On Screen Display) Menu

1	MENU	2	Mode State	3	Interface Status
4	First Menu	5	Second Menu	6	Third Menu



No	OSD(On Screen Display) Board Control	
1	MENU	<ul style="list-style-type: none"> Back (Third Menu ▶ Second Menu ▶ First Menu ▶ OSD Menu Off)
2	OPTION	<ul style="list-style-type: none"> The OSD screen can be switched ON/OFF Press for 6 seconds to turn on OSD
3	Press	<ul style="list-style-type: none"> Select the currently active item
4	Press left	<ul style="list-style-type: none"> Return to previous menu
5	Press right	<ul style="list-style-type: none"> Select the currently active item
6	Press upward	<ul style="list-style-type: none"> Move up from the menu Increase the selected item value
7	Push downward	<ul style="list-style-type: none"> Move down from the menu Decrease the selected item value

OSD CONTROL

Config Menu

First Menu	Second Menu	Third Menu	Description
Config	NAVI-RGB	DIGITAL : :	Setting the Connected NAVI Model
	REAR	AVM	Setting the Connected RearCam Model
	Reset	Execute Cancel	Reset to default value of Config menu

OSD CONTROL

Option Menu

First Menu	Second Menu	Third Menu	Description
Option	NAVI COM	HMS FINE :	Set up manufacturer of woodworking device for UART Touch use
		OFF	Disable feature
	RearCam-Type	OEM	Original Camera
		ExtDevice	Equipped with external camera
	RearCam-Power	ON	+ 12V continuous supply
		AUTO	+ 12V supply only in Rear camera mode
		OFF	+ 12V off
	RearCam-Det	GEAR	Detected by CAN
		WIRE	Detected by Rear-Det Wire
	FrontCam-Type	OEM	Original Camera
		ExtDevice	Equipped with external camera
	FrontCam-Power	ON	+ 12V continuous supply
		AUTO	+ 12V supply only in Front camera mode
		OFF	+ 12V off
	FrontCam-Det	CAN	Detected by CAN
		WIRE	Detected by Front-Det Wire
	FrontCam-RcvOpt	ON	The time (1-30 seconds) that FrontCam is displayed before returning to the previous state in RearCam.
		OFF	Disable feature
	ScrChg-Call	ON	Switch to OEM screen when a BT call comes in, return to previous BT status when a call or call ends.
		OFF	Do not use features.
	ScrChg-Climate	ON	When operating the air conditioning button will display the air conditioning screen for 2 seconds below the screen
		OFF	Disable feature
	ScrChg-Driving	ON	When operating the driving button, the OEM screen is display for 2 seconds
		OFF	Disable feature
	Reset	Execute	Option Menu all Reset

OSD CONTROL

Image Menu

First Menu	Second Menu	Third Menu	Description
Image	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Saturation		[AV / REAR / FRONT / DVD / DVBT MENU] Adjust the value of Saturation
	Hue		[AV / REAR / FRONT / DVD / DVBT MENU] Adjust the value of Hue
	Sharpness		[AV / REAR / FRONT / DVD / DVBT MENU] Adjust the value of Sharpness
	Color-RED		[NAVI MENU ONLY] Adjust the value of RED
	Color-GREEN		[NAVI MENU ONLY] Adjust the value of GREEN
	Color-BLUE		[NAVI MENU ONLY] Adjust the value of BLUE
Reset	Execute		Image Menu all Reset

OSD CONTROL

Screen Menu

First Menu	Second Menu	Third Menu	Description
Screen	Horizontal		Output screen horizontal movement
	Vertical		Output screen vertical movement
	Scale X Up		Reduce / increase output screen width
	Scale X Down		
	Scale Y Up		Reduce / Increase Output Screen Height
	Scale Y Down		
	Reset		Screen menu all reset

OSD CONTROL

Parking Menu

First Menu	Second Menu	Third Menu	Description
Parking	Line Display	ON	Show parking line
		OFF	Do not show parking lines
	Warnings Lang		Set warning text language
	Horizontal		Moving a parking line horizontally
	Vertical		Moving a parking line vertically
	Transparency		Parking line transparency
	Reset		Parking menu all reset

OSD CONTROL

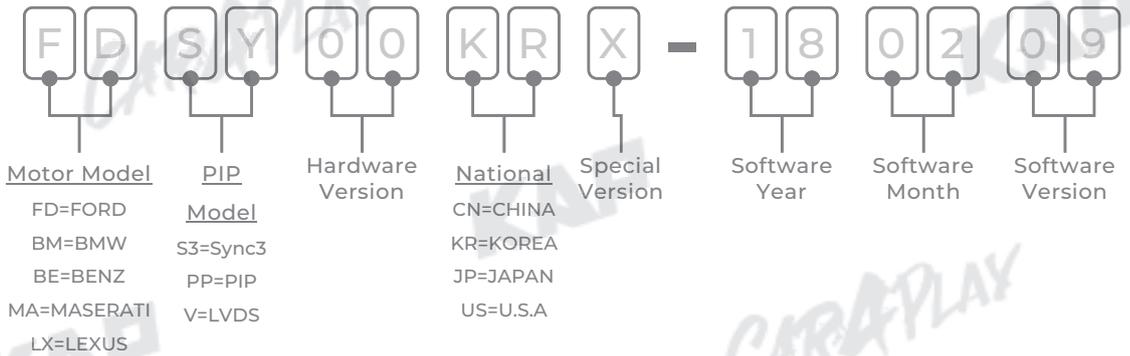
OSD Menu

First Menu	Second Menu	Third Menu	Description
OSD	Horizontal	<i>value</i>	OSD Menu Horizontal Shift
	Vertical	<i>value</i>	OSD menu vertical Shift
	Display Time	<i>value</i>	OSD Menu Display Time (in seconds)
	Transparency	<i>value</i>	OSD menu transparency
	Language		OSD menu display language
	Reset	Execute	Initialize OSD settings

OSD CONTROL

Utility Menu

First Menu	Second Menu	Third Menu	Description
Utility	Factory Reset	Execute	Initialize all settings
	Version		FDSYOOKRX-180209 (Check for future upgrades)





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