



2012~2016 BMW CIC & CCC WIRELESS CARPLAY WIRED CARPLAY WIRED ANDROID AUTO VIDEO INTERFACE MANUAL

CP14F





COMPONENTS

Me an Hand Will an CP14F BMW FPG&PDC 4PIN MADE IN KOREA				
CP14F				
Car Brand	Model	Year Range	System	
BMW	BMW CP14F 2009~2016 CIC & CCC			



COMPONENTS

1 MAIN UNIT	2 POWER CABLE	3 USB&MIC CABLE	4 LVDS OUT CABLE
5 ANTENNA	⁶ AV IN/OUT CABLE	7 AV GENDER CABLE	8 AV GENDER BOARD
	* OPTION *	* OPTION *	* OPTION *
9 IR CABLE	INTERFACE R/C	EXTERNAL AMP SPEAKER	
X OPTION X	* OPTION *	× OF	PTION *



Camera In

DIP S/W OFF

ON	5 6 7 8 9 10 2013 5 SERIES, GT 10.2" SCREEN	ON 5 6 7 8 9 10 TYPICAL SETTING FOR 6.5" SCREEN
OFF ON	5 6 7 8 9 10 TYPICAL SETTING FOR 8.8" OR 10.2 SCREEN	OFF ON 5 6 7 8 9 10 MINI 6.5" SCREEN
OFF ON	5 6 7 8 9 10 Z4 8.8"/10.2" SCREEN	OFF ON 5 6 7 8 9 10 Z4 (V2) GREEN WIRE FOR EVERSE
PIN	FUNCTION	DIP S/W SETTING
PIN 1	FUNCTION External Navigation	DIP S/W SETTING
PIN 1 2	FUNCTION External Navigation	DIP S/W SETTING OFF ON OFF
PIN 1 2 3	FUNCTION External Navigation	DIP S/W SETTING OFF OFF OFF
PIN 1 2 3 4	FUNCTION External Navigation Rear Camera	OFF OFF OFF OFF OFF: OEM Camera
PIN 1 2 3 4 5	FUNCTION External Navigation Rear Camera	OFF OFF OFF OFF OFF OFF: OEM Camera ON : Aftermarket Camera OFF
PIN 1 2 3 4 5 6	FUNCTION External Navigation Rear Camera	OFF OFF OFF OFF OFF OFF OFF OFF OFF OFF
PIN 1 2 3 4 5 6 7	FUNCTION External Navigation Rear Camera	DIP S/W SETTING OFF OFF OFF OFF OFF OFF OFF OFF AN SPEED hicle Setting
PIN 1 2 3 4 5 6 7 8	FUNCTION External Navigation Rear Camera CC Ve	DIP S/W SETTING OFF OFF OFF OFF OFF OFF AN SPEED nicle Setting
PIN 1 2 3 4 5 6 7 8 9	FUNCTION External Navigation Rear Camera CC Ve Ve Ve	DIP S/W SETTING OFF OFF OFF OFF OFF OFF OFF AN SPEED nicle Setting nicle Setting

OFF

CP14F SPEC.

- 1. INPUT
 - 1 x LVDS output
 - 1 x CVBS(rear camera)
 - 1 x CVBS(front camera or A/V)
 - 3 x A/V Input(Option)
- 2. Output 1 x CVBS 1 x Audio L/R
- 3. Power

Input power : 8VDC ~ 18VDC Consumption : 6.5 Watt Ampere: 0.53A

4. Size

163*103*20mm(Width*Length*Height)

5. Power 24pin





CONNECTION - 10.2 INCH OEM HARNESS INSERT INTO OUR HARNESS IR CABLE GENDER CABLE R / GENDER BOARD MVS DID dSI TOUCH CAP CP14F BMW FPG&PDC 4PIN MADE IN KOREA AV IN/OUT CABLE IT WILL BE USED WHEN YOU OPTION * USE MORE THAN 2 AV INPUTS LVDS POWER OEM LVDS OF HEADUNIT ANTENNA ANDREAS -CAN AUDIO OUT LVDS OF POWER CABLE USB&MIC CABLE INTERFACE



CONNECTION - 8.8 INCH OEM HARNESS INSERT INTO OUR HARNESS IR CABLE GENDER CABLE R / GENDEF BOARD MVS DID dSI CAP TOUCH CP14F BMW FPG&PDC 4PIN MADE IN KOREA AV IN/OUT CABLE IT WILL BE USED WHEN YOU OPTION ***** USE MORE THAN 2 AV INPUTS LVDS POWER OEM LVDS OF HEADUNIT ANTENNA CAN AUDIO OUT LVDS OF POWER CABLE USB&MIC CABLE INTERFACE

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CONNECTION - 6.5 INCH IR CABLE GENDER CABLE R / GENDEF BOARD MVS DID dSI CAP TOUCH CP14F BMW FPG&PDC 4PIN MADE IN KOREA AV IN/OUT CABLE IT WILL BE USED WHEN YOU OPTION X USE MORE THAN 2 AV INPUTS LVDS POWER HEADLINI ANTENNA ۲ Ð CAN AUDIO OUT LVDS OF POWER CABLE USB&MIC CABLE INTERFACE

OEM HARNESS INSERT INTO OUR HARNESS

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AUDIO SETTING



1. MAIN MENU



3. EXTERNAL DEVICE



2. MULTIMEDIA



4. AUX IN

IF YOU WANT TO HEAR CARPLAY OR ANDROID AUTO SOUND. PLEASE FOLLOW ABOVE STEPS BEFORE SWITCHING TO NETPLAY. AFTER THAT, YOU CAN HEAR CARPLAY OR ANDROID AUTO SOUND WHEN YOU SWITCH TO NETPLAY AND ENTER TO CARPLAY & ANDROID AUTO

IF YOU WANT TO HEAR FACTORY RADIO SOUND WHEN IN NETPLAY (FULL OR PIP) LIKE PIC.3. PLEASE PRESS "RADIO" BUTTON OF IDRIVE CONTROLLER TO ENTER TO RADIO BEFORE SWITCHING TO NETPLAY. THEN YOU CAN HEAR RADIO SOUND WHEN YOU SWITCH TO CARPLAY OR ANDROID AUTO (BOTH FULL AND PIP).





AUDIO SETTING





FUNCTIONS OF IDRIVE BUTTONS



MENU: 1. HOLD 2S TO SWITCH MODE (OEM-NETPLAY-AV-OEM...) 2. SHORT PRESS TO SWITCH TO MAIN MENU OF CARPLAY OR ANDROID AUTO MEDIA: SHORT PRESS TO SWITCH BACK TO OEM DISPLAY WHEN IN NETPLAY OR AV RADIO : SHORT PRESS TO SWITCH BACK TO OEM DISPLAY WHEN IN NETPLAY OR AV TEL: SHORT PRESS TO SWITCH BACK TO OFM DISPLAY WHEN IN NETPLAY OR AV OPTION : SHORT PRESS TO SWITCH BACK TO OFM DISPLAY WHEN IN NETPLAY OR AV MAP : DIRECT TO MAP APP IN CARPLAY OR ANDROID AUTO BACK: 1. BACK TO LAST MODE

2. HOLD 10S TO ENTER INTO OUR OSD SETTING MENU





FUNCTIONS OF IDRIVE BUTTONS



UP: 1. HOLD 3S TO SWITCH MODE BETWEEN FULL SCREEN AND PIP SCREEN IN CARPLAY/ANDROID AUTO/REVERSE
2. SHORT PRESS TO MOVE CURSOR TO MAIN MENU OF ANDROID AUTO
DOWN : SHORT PRESS TO MOVE CURSOR TO UNDER BAR OF ANDROID AUTO
LEFT : SHORT PRESS TO MOVE CURSOR 1 STEP TO LEFT
RIGHT : SHORT PRESS TO MOVE CURSOR 1 STEP TO RIGHT





FUNCTIONS OF STEERING WHEEL BUTTONS



PHONE : 1. SHORT PRESS TO ACCEPT PHONE CALL
2. HOLD 3S TO REJECT PHONE CALL
VOICE : 1. SHORT PRESS TO ACTIVE OEM VOICE ASSISTANT
2. SHORT PRESS TO ACTIVE "SIRI" OF CARPLAY
OR ACTIVE "OK GOOGLE" OF ANDROID AUTO IN
EACH MODE



SHORT CUT KEY FUNCTION (NUMBER KEY WITH RADIO ALL-IN-ONE TYPE IMPOSSIBLE)



YOU CAN USE "NUMBER" KEYS UNDER THE SCREEN TO ACHIEVE SWITCH MODE FUNCTIONS. FOR EXAMPLE, ENTER TO OUR SETTING MENU, SELECT "SHORT CUT KEY USE" ON. AND YOU CAN SEE 5 SELECTIONS (NAVI, AV1, AV2, AV3, NEXT) WHEN ENTER TO "SHORT CUT KET SET". SELECT ONE OF 5 SELECTIONS. AND PRESS RIGHT BUTTON, THEN YOU CAN SEE NUMBER 1–7. SELECT ONE OF THEM AND PRESS "OK" AND EXIT TO SETTING MENU TO SAVE SETTING. IF YOU SELECT NUMBER 1 FOR AV1, THEN SCREEN WILL SWITCH TO AV1 DIRECTLY FROM CURRENT DISPLAY(OEM, NETPLAY ETC.) WHEN YOU PRESS NUMBER 1 BUTTON. YOU CAN DO SAME OPERATION TO SET OTHER NUMBER KEYS TO ACHIEVE REST 4 FUNCTIONS.





HOLD "UP" OF IDRIVE TO SWITCH TO PIP MODE IN CARPLAY





HOLD IDRIVE "UP" TO SWITCH TO PIP MODE IN ANDROID AUTO





HOLD IDRIVE "UP" TO SWITCH TO PIP MODES IN AV





HOLD IDRIVE "UP" TO SWITCH TO PIP MODE IN AFTERMARKET REVERSE







PRESS "BACK" BUTTON TO BACK TO LAST MODE





FUNCTIONS OF IDRIVE BUTTONS IN ANDROID AUTO





PRESS "MENU" BUTTON TO BACK TO MAIN MENU



PRESS "MAP" BUTTON DIRECT TO MAP (NAVIGATION) DISPLAY





FUNCTIONS OF IDRIVE BUTTONS IN ANDROID AUTO







HOLD "ENTER" BUTTON OR HOLD "VOICE" BUTTONOF STEERING WHEEL TO ACTIVE OK GOOGLE OR SAY "OK GOOGLE" TO ACTIVE OK GOOGLE

PRESS "OPTION" BUTTON TO EXIT TO FACTORY DISPLAY











FUNCTIONS OF IDRIVE BUTTONS IN ANDROID AUTO









FUNCTIONS OF IDRIVE BUTTONS IN ANDROID AUTO



SELECT "EXIT" OF ANDROID AUTO AND PRESS

ENTER" TO MAIN MENU OF NETPLAY



SELECT "EXIT" OF NETPLAY AND PRESS

"ENTER" TO FACTORY DISPLAY



FACTORY DISPLAY



HOLD "MENU" BUTTON OF IDRIVE

TO SWITCH TO NETPLAY DISPLAY



SELECT "ANDROID AUTO"

AND PRESS ENTER TO CARPLAY



ANDROID AUTO

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PRESS "MENU" BUTTON TO BACK TO MAIN MENU





PRESS "MAP" BUTTON DIRECT TO MAP (NAVIGATION) DISPLAY





FUNCTIONS OF IDRIVE BUTTONS IN CARPLAY





PRESS "OPTION" BUTTON TO EXIT TO FACTORY DISPLAY













FUNCTIONS OF IDRIVE BUTTONS IN CARPLAY







FUNCTIONS OF IDRIVE BUTTONS IN CARPLAY







ROTATE IDRIVE CONTROLLER TO MOVE CURSOR IN EACH MODE





FUNCTIONS OF IDRIVE BUTTONS IN CARPLAY



THERE IS "BLUETOOTH CALL" FUNCTION IN SETTING MENU OF INTERFACE. YOU CAN SET TIMER "3S~6S". THEN CALLING IMAGE WILL DISPLAY 3S~6S WHEN IN FACTORY DISPLAY. (THIS FUNCTION JUST LET CUSTOMER KNOW WHO IS CALLING TO YOU)





FUNCTIONS OF IDRIVE BUTTONS IN CARPLAY



SELECT "EXIT" OF CARPLAY AND PRESS

ENTER" TO MAIN MENU OF NETPLAY



SELECT "EXIT" OF NETPLAY AND PRESS

"ENTER" TO FACTORY DISPLAY



FACTORY DISPLAY



HOLD "MENU" BUTTON OF IDRIVE

TO SWITCH TO NETPLAY DISPLAY



SELECT "CARPLAY"

AND PRESS ENTER TO CARPLAY



CARPLAY

PLEASE SET WIFI AND BLUETOOTH "ON" AT SETTING OF IPHONE, AND THEN PLEASE SEARCH DEVICE "CARPLAY-BT" IN BLUETOOTH

	and LTE 💽	14:46	
Settings		Settings Blue	uetooth
김강수 Apple ID, iCloud, iTunes &	> App Store	Bluetooth	
imlana Mada		Now discoverable as "	Gavin Kim".
ir plane wode	\bigcirc	MY DEVICES	
-Fi NetworkEle	ct_5G_EX >	Air one	Not Conn
etooth	On >	MINISO D-83B	Not Conn
ılar	>	김강수的 Apple Wat	ch Conn
onal Hotspot	>		
		CarPlay-BT	
cations	>		
ds & Haptics	>		
ot Disturb	>		
en Time	>		
al	ž		

METHOD OF CONNECTING BT BETWEEN IPHONE AND NETPLAY

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PIN CODE IS "0000". PLEASE FILL IN PIN CODE AND SELECT "PAIR". PLEASE SELECT "USE CARPLAY" AFTER PAIRING.



SETTING OF NETPLAY





SETTING OF NETPLAY



LANGUAGE SETTING



SELECT AUTO PHONE CONNECT TO CONNECT YOUR SMART PHONE AUTOMATICALLY



VOLUME SETTING



SELECT POSITION OF STEERING WHEEL (LEFT OR RIGHT) THEN BAR OF CARPLAY WILL CHANGED



SETTING OF NETPLAY



SELECT WIRELESS CARPLAY "ON" TO ACTIVE WIRELESS CONNECTING



SELECT THIS FUNCTION "ON" WHEN YOU USE TOUCH SCREEN FOR ANDROID AUTO





SETTING OF NETPLAY





RESET & UPDATE NETPLAY

BRIGHTNESS SETTING IN NETPLAY MAIN MENU ONLY



HOLD "MENU" BUTTON OF IDRIVE CONTROLLER OVER 10S IN NETPLAY MODE CAN RESET NETPLAY AS WELL.

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Settings ··· APP:HP-20191223-v1.10.62 」) MCU:20190117

THERE ARE 2 WAYS TO UPDATE NETPLAY AS BELOW :

1. 1) INSERT USB MEMORY CARD INTO USB PORT

2) CONNECT POWER CABLE

3) SCREEN WILL SHOW "UPDATING ... " IN NETPLAY

4) NETPLAY WILL REBOOT ITSELF, THEN PLEASE

DISCONNECT USB MEMORY CARD WHEN YOU SEE MAIN MENU

2. 1) INSERT USB MEMORY CARD INTO USB PORT

2) ENTER TO SETTING OF NETPLAY

3) SELECT "SYS UPDATE"

4) NETPLAY WILL REBOOT ITSELF, THEN PLEASE

DISCONNECT USB MEMORY CARD WHEN YOU SEE MAIN MENU





Reset

Sys Update





HOW TO CONNECT VIDEO AUDIO WHEN YOU ONLY USE ONE AV INPUT





HOW TO CONNECT VIDEO AUDIO WHEN YOU USE MORE THAN 2 AV INPUTS





1. OSD MENU

There are two types of OSD menu as followed pictures.

- [Video OSD Menu] is use for setting NAVI, AV1/2/3, video of HDMI and detailed features.
- [Rear OSD Menu] is use for setting detailed features of rear camera mode.





[Rear OSD Menu]

* METHOD HOW TO ENTER TO OSD MENU *



[Rear OSD Menu]The method how to enter to Rear OSD Menu is

same as above method.

(Please put reverse gear to move the rear camera mode first.)





2. DETAILED FEATURES OF [OSD MENU]



[NETPLAY SETTING]

2-1. NETPLAY 2-1(1). DISPLAY SETTING

These are adjustment functions for video output of GPS Box which can't compatible with Display screen size.

NETPLAY	IU90CP-CP14F
DISPLAY SETTING	
COLOR SETTING	
	Dec 24 2019
NETPLAY	IU90CP-CP14F
NETPLAY H-POS	1U90CP-CP14F
NETPLAY H–POS V–POS	1U90CP-CP14F 0 0
NETPLAY H-POS V-POS H-SIZE	IU90CP-CP14F 0 0 0
NETPLAY H-POS V-POS H-SIZE V-SIZE	IU90CP-CP14F 0 0 0 0 0
NETPLAY H-POS V-POS H-SIZE V-SIZE SHARPNESS	IU90CP-CP14F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NETPLAY H-POS V-POS H-SIZE V-SIZE SHARPNESS DEFAULT	IU90CP-CP14F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

- H-POS: Horizontal movement
- V-POS : Vertical movement
- H-SIZE : Horizontal enlargement or reduction
- V-SIZE : Vertical enlargement or reduction
- SHARPNESS : adjust the sharpness
- DEFAULT : Initialization

2–1. NETPLAY 2–1(2). COLOR SETTING

These are adjustment function for video contrast and video brightness of GPS Box.

NETPLAY	IU90CP-CP14F
DISPLAY SETTING	
COLOR SETTING	
	Dec 24 2019
NETPLAY	IU90CP-CP14F
NETPLAY R CONTRAST	1U90CP-CP14F
NETPLAY R CONTRAST G CONTRAST	IU90CP-CP14F 0 0
NETPLAY R CONTRAST G CONTRAST B CONTRAST	IU90CP-CP14F 0 0 0
NETPLAY R CONTRAST G CONTRAST B CONTRAST R BRIGHTNESS	IU90CP-CP14F 0 0 0 0
NETPLAY R CONTRAST G CONTRAST B CONTRAST R BRIGHTNESS G BRIGHTNESS	IU90CP-CP14F 0 0 0 0 0 0
NETPLAY R CONTRAST G CONTRAST B CONTRAST R BRIGHTNESS G BRIGHTNESS B BRIGHTNESS	IU90CP-CP14F 0 0 0 0 0 0 0
NETPLAY R CONTRAST G CONTRAST B CONTRAST R BRIGHTNESS G BRIGHTNESS B BRIGHTNESS	IU90CP-CP14F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

R CONTRAST : adjust red of contrast

- G CONTRAST : adjust green of contrast
- B CONTRAST : adjust blue of contrast
- R BRIGHTNESS : adjust red of brightness
- G BRIGHTNESS : adjust green of brightness
- B BRIGHTNESS : adjust blue of brightness
- DEFAULT : Initialization

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2-2. AV1(DTV)/ AV2(DVD)/AV3(RECORDER)

AV1	IU90CP-CP14F
SELECT DISPLAY SETTING COLOR SETTING AUDIO OUT SELECT	OFF
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2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER) 2-2(1). SELECT

PLEASE USE AV MODES, OR SELECT CONNECTED DEVICE OF AV IN ORDER TO CONTROL.

AV1	IU90CP-CP14F
SELECT	OFF
DISPLAY SETTING	
COLOR SETTING	
CUSTOM IR SETTING	ż
	Dec 24 2019
AV1	IU90CP-CP14F
OFF	
ON	
CUSTOM	
HDMI	
CE = 900	
	Dec 24 2019

- OFF : DO NOT USE AV MODES
- ON : USE AV MODES
- CUSTOM : USE AV MODES AND CONTROL BY CUSTOM.
- MODEL LIST : USE AV MODES AND CONTROL SELECTED AV MODEL BY IR.

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER)2-2(2). DISPLAY SETTING

THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO OUTPUT OF AV WHICH CAN'T COMPATIBLE WITH DISPLAY SCREEN SIZE.

AV1	IU90CP-CP14F
SELECT DISPLAY SETTING COLOR SETTING CUSTOM IR SETTING	OFF
	Dec 24 2019

AV1	IU90CP-CP14F	
H-POS	0	
V-POS	0	
H-SIZE	0	
V-SIZE	0	
SHARPNESS	0	
DEFAULT		
	Dec 24 2019	9

- H-POS : HORIZONTAL MOVEMENT
- V-POS: VERTICAL MOVEMENT
- H-SIZE : HORIZONTAL ENLARGEMENT OR REDUCTION
- V-SIZE : VERTICAL ENLARGEMENT OR REDUCTION
- SHARPNESS : ADJUST THE SHARPNESS
- DEFAULT : INITIALIZATION

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER) 2-2(3). COLOR SETTING

THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO CONTRAST VIDEO BRIGHTNESS OF AV.

AV1	IU90CP-CP14F
SELECT DISPLAY SETTING	OFF
COLOR SETTING CUSTOM IR SETTING	
	Dec 24 2019

AV1	IU90CP-CP14F
R CONTRAST	0
G CONTRAST	0
B CONTRAST	0
R BRIGHTNESS	0
G BRIGHTNESS	0
B BRIGHTNESS	0
	Dec 24 2019

- R CONTRAST : ADJUST RED OF CONTRAST
- G CONTRAST : ADJUST GREEN OF CONTRAST
- B CONTRAST : ADJUST BLUE OF CONTRAST
- R BRIGHTNESS : ADJUST RED OF BRIGHTNESS
- G BRIGHTNESS : ADJUST GREEN OF BRIGHTNESS
- B BRIGHTNESS : ADJUST BLUE OF BRIGHTNESS
- DEFAULT : INITIALIZATION

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER) 2-2(4). CUSTON IR SETTING

IN ORDER TO USE IR CONTROL WHICH MODEL CAN NOT SUPPORT ON [SELECT MENU]. USER CAN INPUT IR CODE BY THEMSELVES.

AV1	IU90CP-CP14F
SELECT	OFF
DISPLAY SETTIN	IG
COLOR SETTING	
CUSTOM IR SET	TING
	Dec 24 2010
	Dec 24 2019
AV1	IU90CP-CP14F
AV1 SET	IU90CP-CP14F
AV1 SET DEFAULT	IU90CP-CP14F

SET : USERS CAN INPUT IR CODE BY THEMSELVES IN ORDER TO CONTROL CONNECTED AV INPUTS.

DEFAULT : INITIALIZATION

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER) 2-2(5). CUSTON IR SETTING

\odot $\mathbf{ }$ (\mathbf{b}) Custom IR Code Memory Setting - AV1 Press use remote control button Now IR Code : ea15fb04 New IR Code : ea15fb04 Input count: 3

[IR CODE INPUT FINISHED]

[IR CODE INPUT]

PLEASE SELECT THE SET MODE. IF SCREEN DISPLAY SAME AS ABOVE SCREENS. PLEASE SELECT ONE ICON AND INPUT YOUR IR CODE. NUMBERS WILL DISPLAY PER PRESS FM 1 TO 0 WHEN YOU FILL INRO IR CODE, IT WILL DISPLAY ON "NOW IR CODE", IF YOU FINISH SETTING ALL ICONS YOU WANT, PLEASE PRESS **U**BUTTON TO FINISH SETTING.

* PLEASE SELECT [CUSTOM], IN ORDER TO USE INPUT FUNCTIONS ON [CUSTOM] *

2-3. SETTING

SETTING	IU90CP-CP14F
TOUCH PANEL	NONE
FRONT CAMERA	OFF
REAR MODE	ON
REVERSE WIRE	REAR MEOE
OEM FRONT CAMERA	7 Sec
BLUETOOTH CALL	6 Sec
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2-3. SETTING 2-3(1). TOUCH PANEL

SETTING	IU90CP-CP14F
TOUCH PANEL	NONE
FRONT CAMERA	OFF
REAR MODE	ON
REVERSE WIRE	REAR MEOE
OEM FRONT CAMERA	7 Sec
BLUETOOTH CALL	6 Sec
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SETTING	IU90CP-CP14F
NONE	
GT911	
	Dec 24 2019

2-3. SETTING

2-3(2). FRONT CAMERA

THIS SETTING FUNCTION USES FOR FRONT CAMERA. IT WILL DISPLAY REAR CAMERA INPUT WHEN PUT THE REVERSE GEAR. AND IT WILL DISPALY FRONT CAMERA INPUT AUTOMATICALLY WHEN PUT BACK TO DRIVE GEAR.

IT ALSO DISPLAY FRONT CAMERA INPUT ATOMATICALLY FOR FEW SECONDS WHEN YOU ARE DRIVING.

SETTING	IU90CP-CP14F
TOUCH PANEL	NONE
FRONT CAMERA	OFF
REAR MODE	ON
REVERSE WIRE	REAR MODE
OEM FRONT CAMERA	7 Sec
BLUETOOTH CALL	6 Sec
	Dec 24 2019
SETTING	IU90CP-CP14F
OFF	
5 Sec	
7 Sec	
9 Sec	
11 Sec	

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OFF : DO NOT USE FRONT CAMERA

- 5 Sec : DISPLAY FRONT CAMERA INPUT FOR 5 SECONDS
- 7 Sec : DISPLAY FRONT CAMERA INPUT FOR 7 SECONDS
- 9 Sec : DISPLAY FRONT CAMERA INPUT FOR 9 SECONDS
- 11 Sec : DISPLAY FRONT CAMERA INPUT FOR 11 SECONDS

2-3. SETTING 2-3(3). REAR MODE

SETTING	IU90CP-CP14F
TOUCH PANEL	
REAR MODE	ON
REVERSE WIRE	REAR MODE
BLUETOOTH CALL	6 Sec
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SETTING	IU90CP-CP14F
ON	
OFF	
	Dec 24 2019

2-3. SETTING 2-3(4). REVERSE WIRE

SETTING	IU90CP-CP14F
TOUCH PANEL FRONT CAMERA REAR MODE REVERSE WIRE	NONE OFF ON REAR MODE
DEM FRONT CAMERA	7 Sec 6 Sec Dec 24 2019

SETTING	IU90CP-CP14F
REAR MODE	
AV1	
REAR	
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2–3. SETTING 2–3(5). OEN FRONT CAMERA THESE ARE SETTING FUNCTIONS FOR USING FRONT CAMERA OF OEM.

SETTING	IU90CP-CP14F
TOUCH PANEL	NONE
FRONT CAMERA	OFF
REAR MODE	ON
REVERSE WIRE	REAR MODE
OEM FRONT CAMERA	7 Sec
BLUETOOTH CALL	6 Sec
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SETTING	IU90CP-CP14F
OFF 5 Sec	
7 Sec	
9 Sec 11 Sec	
	Dec 24 2019

- OFF : DO NOT USE FRONT CAMERA OF OEM
- 5 Sec : DISPLAY OEM FRONT CAMERA INPUT FOR 5 SECONDS
- 7 Sec : DISPLAY OEM FRONT CAMERA INPUT FOR 7 SECONDS
- 9 Sec : DISPLAY OEM FRONT CAMERA INPUT FOR 9 SECONDS
- 11 Sec : DISPLAY OEM FRONT CAMERA INPUT FOR 11 SECONDS

2-3. SETTING 2-3(6). BLUETOOTH CALL

SETTING	IU90CP-CP14F
FOUCH PANEL	NONE
FRONT CAMERA	OFF
REAR MODE	ON
REVERSE WIRE	REAR MODE
DEM FRONT CAMERA	7 Sec
BLUETOOTH CALL	6 Sec
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SETTING	IU90CP-CP14F
3 Sec 4 Sec 5 Sec	
6 Sec	
OFF	
	Dec 24 2019

2-3. SETTING 2-3(7). V MOTION

SETTING	IU90CP-CP14F
FRONT CAMERA	OFF
REAR MODE REVERSE WIRE	REAR MODE
OEM FRONT CAMERA	7 Sec
BLUETOOTH CALL	6 Sec
V MOTION	ON
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SETTING	IU90CP-CP14F
ON	
OFF	
	Dec 24 2019

2-3. SETTING 2-3(8). REAR 12V SEL 2–3. SETTING 2–3(9). TOUCH CALIBRATION

SETTING	IU90CP-CP14F
REAR MODE REVERSE WIRE OEM FRONT CAMERA BLUETOOTH CALL V MOTION	ON REAR MODE 7 Sec 6 Sec ON
REAR 12V SEL	REAR
	Dec 24 2019

SETTING	IU90CP-CP14F
REAR	
AV	
	Dec 24 2019

SETTING	IU90CP-CP14F
REVERSE WIRE	REAR MODE
OEM FRONT CAMERA	/ Sec
BLUETOOTH CALL	6 Sec
V MOTION	ON
REAR 12V SEL	REAR
TOUCH CALIBRATION	
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2-3. SETTING 2-3(10). SHORT CUT KEY USE 2-3. SETTING 2-3(11). SHORT CUT KEY SET

SETTING	IU90CP-CP14F
V MOTION REAR 12V SEL TOUCH CALIBRATION	ON REAR
SHORT CUT KEY USE	OFF
SHORT CUT KEY SET ALL SETTING DEFAULT	
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SETTING	IU90CP-CP14F
OFF	
ON	
	Dec 24 2019

V MOTION	ON
REAR 12V SEL	REAR
TOUCH CALIBRATION	
SHORT CUT KEY USE	OFF
SHORT CUT KEY SET	
ALL SETTING DEFAUL	T
	Dec 24 2019

SETTING	IU90CP-CP14F
NETPLAY	NOT USED
AV1	NOT USED
AV2	NOT USED
AV3	NOT USED
NEXT	NOT USED
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2-3. SETTING 2-3(12). ALL SETTING DEFAULT

2-4. INFORMATION

INFORMATION	IU90CP-CP14F
MODEL FW DATE TW FW	IU90CP-CP14F Dec 24 2019 IUST_BMW
	Dec 24 2019

2-5. EXIT

EXIT	IU90CP-CP14F
NO	
YES	
	Dec 24 2019

* METHOD HOW TO ENTER TO OSD MENU *

[Video OSD Menu] The method how to enter to Video OSD Menu is press obutton for 4times by R/C, on Navi, AV1, AV2, AV3, HDMI modes. numbers will display per press on screen. Finally, Please press ² button to enter when the screen appear number 4.

[Rear OSD Menu]The method how to enter to Rear OSD Menu is same as above method.

(pulting reverse gear to move the rear camera mode.)

REAR OSD DETAILED FEATURES
 3–1. FPG ON/OFF
 SETTING FPG LINE ON/OFF.

ON : DISPLAY FPG LINEOFF : DO NOT DISPLAY FPG LINE

3-2. PDC ON/OFF SETTING PDC ON/OFF.

ON : DISPLAY PDCOFF : DO NOT DISPLAY PDC

3-3. FPG POSITION ADJUST THE POSITION OF FPG LINE.

V POS : MOVE VERTICAL DIRECTION OF FPG LINE
H POS : MOVE HORIZONTAL DIRECTION OF FPG LINE
DEFAULT : INITIALIZATION

3-4. PDC POSITION ADJUST THE POSITION OF PDC.

RIGHT TOP : PDC DISPLAY ON THE UPPER RIGHT OF SCREEN
LEFT TOP : PDC DISPLAY ON THE UPPER LEFT OF SCREEN

3-5. WARNING ON/OFF

SETTING WARNING ON/OFF.

ON : DISPLAY REAR WARNINGOFF : DO NOT DISPLAY REAR WARNING

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(SUPPORT AROUND VIEW PARKING LINE)

(SUPPORT AROUND VIEW PARKING LINE)

■ 4 CAMERA : USE AROUND VIEW BY CHINESE 4 CAMERA

3-7. AVC TYPE SETTING AROUND VIEW MODE.

OFF : DO NOT USE AROUND VIEW MODE

OMNIVUE : USE AROUND VIEW BY OMNIVUE

3-6. WARNING LANGUAGE

FPG ON/OFF

PDC ON/OFF

SETTING WARNING LANGUAGE.

3-8. AVC POSITION

ADJUST THE POSITION OF AROUND VIEW LINE.

MIDDLE H POS : ADJUST SIDE LINE HORIZONTAL POSITION ON AVC
MIDDLE V POS : ADJUST SIDE LINE VERTICAL POSITION ON AVC
REAR H POS : ADJUST REAR LINE HORIZONTAL POSITION ON AVC
REAR V POS : ADJUST REAR LINE VERTICAL POSITION ON AVC
DEFAULT : INITIALIZATION

3-9. AVC TIME

THESE ARE SETTING METHOD WHEN USING AVC. IT WILL DISPLAY AVC WHEN PUT THE REVERSE GEAR, AND IT WILL STILL ACTIVE FOR PRE-DIFINED AMOUNT OF TIME, ONCE VEHICLE LEAVES REVERSE GEAR..

MIN : SETTING FOR MINUTES
SEC : SETTING FOR SECONDS
DEFAULT : INITIALIZATION

3-10. CAM DISP SETTING

THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO OUTPUT OF REAR CAMERA WHICH CAN'T COMPATIBLE WITH DISPLAY SCREEN SIZE.

PDC POSITION		
WARNING ON/OFF		
WARNING LANGUAGE		
AVC TYPE		
AVC POSITION		
AVC TIME		
CAM DISP SETTING		
CAM DISP SETTING	0	
CAM DISP SETTING	0	
CAM DISP SETTING V POS H POS	0 0	
CAM DISP SETTING V POS H POS V SIZE	0 0 0	
CAM DISP SETTING V POS H POS V SIZE H SIZE	0 0 0	
CAM DISP SETTING V POS H POS V SIZE H SIZE SHARPNESS	0 0 0 0	
CAM DISP SETTING V POS H POS V SIZE H SIZE SHARPNESS DEFAULT	0 0 0 0	

- V POS : VERTICAL MOVEMENT
- H POS : HORIZONTAL MOVEMENT
- V SIZE : VERTICAL ENLARGEMENT OR REDUCTION
- H SIZE : HORIZONTAL ENLARGEMENT OR REDUCTION
- SHARPNESS : ADJUST THE SHARPNESS
- DEFAULT : INITIALIZATION

3-11. CAM COLOR SETTING

THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO CONTRAST AND VIDEO BRIGHTNESS OF GPS BOX.

WARNING UN/OFF	
WARNING LANGUAGE	
AVC TYPE	
AVC POSITION	
AVC TIME	
CAM DISP SETTING	
CAM COLOR SETTING	
CAM COLOR SETTING	
CAM COLOR SETTING R CONTRAST	0
CAM COLOR SETTING R CONTRAST G CONTRAST	0
CAM COLOR SETTING R CONTRAST G CONTRAST B CONTRAST	0 0 0
CAM COLOR SETTING R CONTRAST G CONTRAST B CONTRAST R BRIGHTNESS	0 0 0 0
CAM COLOR SETTING R CONTRAST G CONTRAST B CONTRAST R BRIGHTNESS G BRIGHTNESS	0 0 0 0 0

R CONTRAST : ADJUST RED OF CONTRAST
G CONTRAST : ADJUST GREEN OF CONTRAST
B CONTRAST : ADJUST BLUE OF CONTRAST
R BRIGHTNESS : ADJUST RED OF BRIGHTNESS
G BRIGHTNESS : ADJUST GREEN OF BRIGHTNESS
B BRIGHTNESS : ADJUST BLUE OF BRIGHTNESS
DEFAULT : INITIALIZATION

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■ LEFT TOP : OSD MENU DISPLAY ON UPPER LEFT OF SCREEN

■ RIGHT TOP : OSD MENU DISPLAY ON UPPER RIGHT OF SCREEN

3-12. OSD MENU POS

AVC TYPE

THESE ARE ADJUSTMENT FUNCTIONS FOR MOVING POSITION OF OSD MENU. IT WILL BE USED WHEN OVERSHADOWED SETTING IMPOSSIBLE.

> AVC POSITION AVC TIME CAM DISP SETTING CAM COLOR SETTING OSD MENU POS DEFAULT ALL OSD MENU POS LEFT TOP

3-13. DEFAULT ALL

INITIALIZE ALL MODES OF REAR OSD MENU SETTING.

3-14. FW INFO

3-15. EXIT

INITIALIZE ALL MODES OF REAR OSD MENU SETTING.

