BENZ_W204(2010)-PAS-DC3

- MODEL : MB-PAS-190502

- DATE : 2021.08.17



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1. Main Spec.

- 1. Input Spec. (MULTI VIDEO INTERFACE)
 - 1 x Digital RGB Input (Navigation System source)
 - 1 x Analog RGB Input (Navigation System output)
 - 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)
- 2. Output Spec.
 - 1 x LCD Output (LCD Operation)
- 3. Power Spec.
 - Input Power : 8VDC ~ 24VDC
 - Consumption Power : 12Watt, Max
- 4. 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



2. Block Diagram







3. Dimension

151mm * 83mm * 22mm



* This can change under manufacturer's circumstance



4. External Appearance

 LED	IMAGE	DIP S/W	PROGRAN	Л	
רבם	JDAMI	MARDORA	[DIb_S/M]		
		MB 20 VIDEO IN	10 PAS-D(TERFACE with C - PAS - 190502	C3 Can	
POW	/ER/CAN]	DIGITAL	NAVI (FRONT REAR	LVDS-OUT) (LVDS-IN)
PC		1			
rC		Digital RGB	F	RONT	VDS-OUT



4. External Appearance





5. Connector Pin Assignment





6. Product Composition





LVDS Cable 1 EA

Interface 1 EA





RGB NAVI Cable 1 EA

Power Cable 1 EA



6. Product Composition

* CarPlay Set Sales(option) - KPLAY



Interface 1 EA



Power Cable 1 EA



AUX Cable 1 EA





Bluetooth / Wifi Antenna 2EA



Microphone 1 EA



6. Product Composition

* CarPlay(NV17) Set Sales(option)



CarPlay Main 1 EA



Power Cable 1 EA



AUX Cable 1 EA



HDMI Cable 1 EA



Microphone 1 EA



7. DIP S/W Setting

* ON : DOWN , OFF : UP

PIN	FUNCTION	DIP S/W Selection
1	NAVI	ON : Not Used OFF : Used
2	DVB-T(AV1)	ON : Not Used OFF : Used
3	DVD(AV2)	ON : Not Used OFF : Used
4	N.C	
5	CAN IN/OUT	ON : Used OFF : Not Used
6		
7	CAR type SEL	Right Picture
8		

* DIP S/W Example







2015year SL63 AMG 7.0" SplitView

* To use CarPlay, be sure to turn down Dip-sw 5.



Mode Change



Long press to mode change





Benz I-Drive control : DVB-T(DMB) Control



- DVB-T UI on operation status
- 1) Long press to DVB-T UI on
- ① Short press to Selection
- ④ Move UI Left
- (5) Move UI Right
- DVB-T UI off operation status
 - ② Short press to channel Up
 - ③ Short press to channel Down
 - 2 Long press to SCAN



MENU	UI DVB-T(D	MB) OEM
Config	SteeringWheelBtn	Off
Option	BookMarkBtn	Off
Image	UI DVB-T(DMB)	On Off
Screen	UI DYD	On
Parking	Reset Chase	Execute Cancel

DVB-T UI -> on/off selection to OSD MENU



Benz I-Drive control : DVD Control



- DVB-T UI on operation status
- ① Long press to DVB-T UI on
- 1 Short press to Selection
- ④ Move UI Left
- (5) Move UI Right



MENU	UI DVD		OEM
Config	SteeringWheelBtn	Off	
Option	BookMarkBtn	Off	
Image	UI DVB-T(DMB)	On	
Screen	UI DVD	On	Off
Parking	Resetic Chase:	Execute	Cancel

DVD UI -> on/off selection to OSD MENU



Benz I-Drive control : CarPlay Control

* To use CarPlay, be sure to turn down Dip-sw 5.





- 1 PUSH : Selection
- Moving left
- ③ Moving right
- ④ if Carplay, Track down if Android auto, Moving right
- (5) if Carplay, Track up if Android auto, Moving right
- 6 Moving up
- ⑦ Moving down
- ⑧ Long Press : Mode Change Short Press : Back
- ④ Long Press : OSD menu on Short Press : Siri call





OSD control



С	Press for 6 seconds to turn on OSD Press short to MENU EXIT
ENTER	Item Selection, Value Selection
UP	ltem up Increase selected value
RIGHT	First->Second->Third Menu move Third Menu에서 Item down Increase selected value
DOWN	Item down Decrease selected value
LEFT	Third->Second->First Menu move Third Menu에서 Item up Decrease selected value

Mode State

MENU	Option	NAVI	
Config	RearCam-Type	ExtDevice	
Option	RearCam-Power	Auto	
Image	RearCam-Det	GEAR	
Screen	AV Mode	Off	
Parking	FrontCam-Type	ExtDevice	

First Menu Second Menu Third Menu



OSD Config

First Menu	Second Menu	Third Menu	Description
Config	NAVI-RGB	DIGTAL-INAVI :	Setting the Connected NAVI Model
	DVB-T(DMB)	ELT_DVBT20 :	Setting the Connected DVB-T Model
	DVD	ELT_980XU Slim :	Setting the Connected DVD Model
	Reset	Execute	Reset to default value of Config menu

MENU	Config	NAVI
Config	NAVI-RGB	DIGITAL-INAVI
Option	DVB-T(DMB)	ELT_DVBT20
Image	DYD	ELT-980XU Slim
Screen	Reset	Execute Cancel
Parking		



OSD - Option Menu

First Menu	Second Menu	Third Menu	Description
	NAVI COM	HMS FINE :	Set up manufacturer of woodworking device for UART Touch use
		OFF	Do not use features.
	BearCam Turna	OEM	Original Camera
	RearCam-Type	ExtDevice	Equipped with external camera
		ON	+ 12V continuous supply
	RearCam-Power	AUTO	+ 12V supply only in Rear camera mode
		OFF	+ 12V off
	Deer Corre Det	GEAR	Detected by CAN
	RearCam-Det	WIRE	Detected by Rear-Det Wire
		OEM	Original Camera
Option	FrontCam-Type	ExtDevice	Equipped with external camera
	FrontCam-RcvOpt	ON	After RearCam shows FrontCam and returns to previous state
		OFF	Disable feature
	SteeringWheel Btn	ON	To use the Streeing button You must select the "ON" button in the menu
		OFF	Do not use features.
	ui dvb-t (dmb)	ON	DVB-T device control UI output function
		OFF	Disable feature
	UI DVD	ON	DVD device control UI output function
		OFF	Disable feature
	Reset	Execute	Option Menu all Reset



OSD Option -> FrontCam-RcvOpt

Front Camera Auto Mode

- 0 second = FrontCam-RcvOpt menu OFF
- 1~30 second = FrontCam-RcvOpt menu ON & time control

MENU	FrontCam-RcvOpt NAVI			MENU	FrontCam-RcvOpt		NAVI
Config	FrontCam-Power	Auto		Config	FrontCam-Power	Auto	
Option	FrontCam-Det	ExtWire		Option	FrontCam-Det	ExtWire	
Image	FrontCam-RcvOpt		Os	Image	FrontCam-RcvOpt		30s
Screen	Steering Wheel	Voice		Screen	Steering Wheel	Voice	
Parking	Reset	Execute C	ancel	Parking	Reset	Execute	Cancel





NAVI-RGB menu

First Menu	Second Menu	Third Menu	Action
	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
Imaga	Color-RED		Adjust the value of RED
image	Color-GREEN		Adjust the value of GREEN
	Color-BLUE		Adjust the value of BLUE
	Reset	Excute	Option Menu all Reset

DVD,DVB-T(DMB),NAVI-AV,REAR,FRONT menu

First Menu	Second Menu	Third Menu	Action
	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Saturation		Adjust the value of Saturation
image	Hue		Adjust the value of Hue
	Sharpness		Adjust the value of Sharpness
	Reset	Excute	Option Menu all Reset



<< Brightness >>











<< Saturation >>



OSD – Screen Menu

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

MENU	Horizonta	1 NAVI
Config	Horizontal	50
Option	Vertical	50
Image	Scale X Up	50
Screen	Scale X Down	50
Parking	Scale Y Up	50



OSD – Parking Menu

First Menu	Second Menu	Third Menu	Description
	OPS Display	ON	Show OPS
		OFF	Do not show OPS
	Line Display Warnings Lang	ON	Show parking line
		OFF	Do not show parking lines
Parking			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

MENU	OPS Displa	ay REAR
Config	OPS Display	Off
Option	Line Display	Off
Image	Warnings Lang	English
Screen	Horizontal	50
Parking	Vertical	60



OSD Parking – OPS Display On / Off

MENU	OPS Displa	ay	REAR
Config	OPS Display	On	Off
Option	Line Display	Off	
Image	Warnings Lang	English	
Screen	Horizontal		50
Parking	Vertical		60



OPS ON Screen

MENU	OPS Displa	ay	REAR
Config	OPS Display	On	Off
Option	Line Display	Off	
Image	Warnings Lang	English	
Screen	Horizontal		50
Parking	Vertical		60



OPS OFF Screen

OSD Parking – Guide line On / Off

MENU	Parking / Line	Display REAR
Config	OPS Display	On
Option	Line Display	On Off
Image	Warnings Lang	Россия
Screen	Horizontal	50
Parking	Vertical Section	100 million 50

MENU	Parking / Line	Display REAR
Config	OPS Display	On
Option	Line Display	On Off
Image	Warnings Lang	Россия
Screen	Horizontal	50
Parking	Vertical	50





Parking Line OFF Screen



OSD Parking – Change warning language

MENU	Parking / Warn	ings Lang REAR
Config Option	OPS Display Line Display	English 中文
Image	Warnings Lang	한국어
Screen	Horizontal	台灣
Parking	Vertical	Россия





OSD Parking – Adjust position of parking guide line

MENU	Parking		REAR
Config	OPS Display	Off	
Option	Line Display	On	
Image	Warnings Lang	English	
Screen	Horizontal		50
Parking	Vertical		50

Possible to adjust the position of parking guide line by Keypad in Horizontal / Vertical menu % Pressing this Horizontal / Vertical menu, The OSD screen automatically disappears. Please adjust from the parking line Screen.







OSD – OSD Menu

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

MENU	Horizonta	I DVB-T
OSD	Horizontal	50
IR-Ctrl	Vertical	50
Utility	Display Time	10s
	Transparency	30
	Language	English
MENU	Reset	DVB-T
MENU OSD	Reset Reset	DVB-T Execute Cancel
MENU <mark>OSD</mark> IR-Ctrl	Reset Reset	DVB-T Execute Cancel
MENU OSD IR-Ctrl Utility	Reset Reset	DVB-T Execute Cancel
MENU OSD IR-Ctrl Utility	Reset	DVB-T Execute Cancel



OSD – Utility Menu

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

Last Source : FDSYOOKRX-180209



LX:LEXUS

MENU	Utility	NAVI
OSD	Factory Reset	Execute Cancel
IR-Ctrl	Version	FDSYOOKRX-180209
Utility		



1. Installation Navigation Connection



* Analog Navigation and Digital Navigation cannot be used together.



2. Installation DVB-T Remote Control Connection





3. Installation DVD Remote Control Connection





4. Installation External Reverse(Rear) Camera Connection





5. Installation LVDS connection



SCREEN



6. Installation CAN connection



Remove genuine White connector



Push the lock to disconnect the connector



Attach the connector with care in the direction of the arrow



Attach the connector with care in the direction of the arrow

***** Be sure to note the arrows !



7. Installation PAS-CAN Connection : Connect only when installing external camera





8. Installation CarPlay - KPLAY





9. Installation CarPlay – NV17



GU Electronic

11. Q & A

- 1. Check the LED status first when interface failure..
- If there is no abnormality after the power is applied, the green LED flashes in units of 1 second.
- If the red LED flashes for 1 second, there is no.
- If the red LED is on continuously, the interface itself is bad.
- If nothing turns on, check that the power and CAN signals are properly connected
- 2. Q : When the screen turns black A : LVDS cable itself is bad or bad contact.
- 3. If you find any symptoms with these symptoms, please contact your distributor.
- 4. How to distinguish NTG4.5 / NTG5.0
 - BENZ_W204(2010) PAS DC3 product supports only NTG4.5 model



NTG4.5



NTG5.0

