

INSTRUCTION MANUAL

VIDEO INTERFACE

MB 2010 PAS DC3 MERCEDES BENZ NTG4.5 INTERFACE

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CAR COMPATIBILITY SHEET

(IMAGE) LED	[РВОСВАМ]	[M/S ⁻ dIQ]		RYLAY	
	MB 20 VIDEO IN	10 PAS-DC	3 AN 1		
			SP		
POWER/CAN	DIGITAL		RONT (REAR)) -IN

KAP

KA

BRAND	MODEL	SCREEN	YEAR
NO N	A - Class	5.8 / 7″	2010~
ARAY	B - Class	5.8 / 7″	2010~2015
	C - Class	5.8 / 7″	2010~2014
Mercedes Benz	E - Class	5.8 / 7″	2010~
P	G - Class	7″	2010~
a cal Pl	GLK	5.8 / 7″	2010~
CANAN	SLK	7″	2010~

COMPONENT



INTERFACE







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LVDS CABLE

RGB NAVI CABLE

Warning

Please contact your dealer if any component is missing.

ARAPLAY

INTERFACE SPEC

INPUT

- 1 x DIGITAL RGB IN (HDMI PORT)
- 1 x ANALOG RGB IN (7PIN)
- 1 x CVBS FRONT CAM IN
- 1 x CVBS REAR CAM IN
- 1 x LVDS IN CAMMAND SYSTEM

2 OUTPUT

1 x LVDS OUT OPERATION

3 TOUCH

RAPLAY UART DIGITAL (OEM JOG CONTROL)

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





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DIP SWITCH SETTING



Warning

To use KPLAY, be sure to turn Dip-Switch No.5 ON (▼)

CONNECTOR PIN ASSIGNMENT



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No	PORT	INFORMATION					
	Ý		3 5 7 4 6 8	9 11 13 15 10 12 14 16			
		No.	Color	Signal Assignment	No.	Color	Signal Assignment
		1	Red	ACC	2	Red	ACC
	POWER	3	Brown	REAR DET	4		310.0
	/CAN	5	Green	CAN1-L	6	Orang	CAN1-H
		7	Blue	CAN2-L	8	Red	CAN2-H
		9	White	CAN3-L	10	Purple	CAN3-H
		11			12	Red	REAR VCC
		13		ALC -	14		
		15	Black	GND	16	Black	GND
						C 191	
		0	2 3 4	5 6 7			Plan
		N	0.	Color		Signal Ass	ignment
			1	Red		R DA	ЛТА
2	2 RGB		2	Green	G DATA		
NAVI			3	Blue	B DATA		
			4	White	SYNC		
			5	Black		GN	D
			5	Green		DVB-	TIR
	0.0		7	Orange		DVD	IR



CARARY

BUTTON CONTROL

CHANGE MODE TO INTERFACE SCREEN



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CARAY

BUTTON	OPERATION	FUNCTION
BACK	LONG PRESS	OEM screen to interface screen Interface screen to the OEM screen
Warning		

Screen change sequence : OEM > NAVI > AV > OEM

PARKING CONTROL

Parking Line / OPS Display

1 Parking Line Display





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2 PDC Display





DVB-T / DVD CONTROL

UI ON/OFF with OSD MENU

c îs			4		С	SPORT
MENU	UI DVB-T(1	OMB)	OEM	MENU	UI IU	7D OEM
Config	SteeringWheelBt	n Off		Config	SteeringWheelB	tn Off
Option	BookMarkBtn	Off	0.00	Option	BookMarkBtn	Off
lmage	UI DVB-T(DMB)	On	Uff	lmage	UI DVB-T(DMB)	Un A
Screen	UT UYU Darat	Un	Canad	Screen	UT DYD Denet	Un Off
Parking	Reset	rxecute	Lancel	Parking	Reset	Execute Lancel

NO	BUTTON	OPERATION	UI	FUNCTION
1		Press	ON	Long press to DVB-T UI on Short press to Selection
2	JOG	Press upward	OFF	(DVB-T Only) Short press to channel Up (DVB-T Only) Long press to SCAN
3		Press down	OFF	(DVB-T Only) Short press to channel Down
4		Press left	ON	Move UI Left
5		Press right	ON	Move UI Right

Warning

DVBT / DVD UI ICON





DIGITAL NAVI CONNECTION (ROIK-10)



DIGITAL NAVI CONNECTION (ROIK-10)

After completing the cable connection, OSD and device setting must be completed.



RGB NAVI CONNECTION



DVB-T / DVD REMOTE CONTROL CONNECTION



EXTERNAL REAR CAMERA



INSTALLATION LVDS CONNECTION



INSTALLATION LVDS CONNECTION





Remove OEM White connector



Push the lock to discornect the connector



Attach the connector with care in the direction of the arrow



X Be sure to note the arrows!

INSTALLATION PAS-CAN CONNECTION



Basic information

1	2					
MENU	Optior	Option				
Config	5 earCam-Type	6 xtDevice	1.371.45			
Option	RearCam-Power	Auto				
Image	RearCam-Det	GEAR				
Screen	AV Mode	Off				
Parking	FrontCam-Type	ExtDevide				

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2	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
7	с	 The OSD screen can be switched ON/OFF Press for 6 seconds to enter OSD menu
8	ENTER	Select the currently active item
9	UP	 Move up from the menu Increase the selected item value
10	RIGHT	 Move the Menu - First ▶ Second ▶ Third Menu Increase the selected item value
n	DOWN	 Move down from the menu Decrease the selected item value
12	LEFT	 Move the Menu - Third ▶ Second ▶ First Menu Decrease the selected item value
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Config				
	MENU	NAVI-RGB	NAVI	0
	Config	NAVI-RGB	KD900_WQVGA	
	Option	DVB-T(DMB)	ENAVI_WQVGA	
153	Image	DYD	DIGITAL-G-nom	
	Screen	Reset	DIGITAL	201
	Parking		Default	132

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RA

First Menu	Second Menu	Third Menu	Description
Config	NAVI-RGB		Setting the Connected NAVI Model
	DVB-T(DMB)	Default : :	Setting the Connected DVB-T Model
	DVD	Default	Setting the Connected DVD Model
	Reset	Execute Cancel	Reset to default value of Config menu
A		AP	CIRATIA

Option				
	MENU	NAVI COM	MAVI	
	Config	NAVI COM	Off	
- 18	Option	RearCam-Type	GU	
135	Image	RearCam-Power	NV17	
	Screen	RearCam-Det	KPLAY	
	Parking	AV Mode	HMS	

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RX

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
	Deer Com Ture	OEM	Original Camera
	RearCam-Type	ExtDevice	Equipped with external camera
		On	+ 12V continuous supply
	RearCam-Power	AUTO	+ 12V supply only in Rear camera mode
	1.5	Off	+ 12V off
		GEAR	Detected by CAN
	RearCam-Det	WIRE	Detected by Rear-Det Wire
	AV Mode	HMS FINE :	Output setting of device connected to "FROTN" of the board
		Off	Disable feature
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Option			
	MENU	FrontCam-Ty	ype NAVI
	Config	FrontCam-Type	OEM ExtDevice
	Option	FrontCam-RcvOpt	Os Os
	Image	SteeringWheelBtn	On
	Screen	NAV Btn	Long
	Parking	Reset	Execute Cancel

First Menu	Second Menu	Third Menu	Description
Ontion		OEM	Original Camera
option	FrontCam-Type	ExtDevice	Equipped with external camera
	FrontCam-	On	The time (1-30 seconds) that FrontCam is displayed before returning to the previous state in RearCam
	RcvOpt	Off	Disable feature
	Steering	On	Natural for the product
	WheelBtn	Off	Not used for the product
		On	DVB-T device control UI output function
		Off	Disable feature
		On	DVD device control UI output function
	01000	Off	Disable feature
	Reset	Execute	Option Menu all Reset



ge				
ŅI	INU	Brightnes	S	NAVI
Confi	g B	rightness		50
Optic	on C	ontrast		50
Image	e S	aturation		50
Scree	en H	ue		50
Park	ing S	harpness		25

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RA

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	CR	[AV / REAR / FRONT / DVD / DVBT MENU] Adjust the value of Hue
	Sharpness	1	[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
AP		1	CARK

Screen				Ω
	MENU	Horizonta	1 NAVI	6
	Config	Horizontal	50	
	Option	Vertical	50	
135	Image	Scale X Up	50	
	Screen	Scale X Down	50	- 1 C
	Parking	Scale Y Up	50	132

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RX

First Menu	Second Menu	Third Menu	Description
Screen	Horizontal		Output screen horizontal movement
	Vertical		Output screen vertical movement
	Scale X Up		Poduce / increase output screep width
	Scale X Down	CR	Reduce/ increase output screen width
	Scale Y Up		Deduce (Increase Output Screen Height
	Scale Y Down		Reduce/ increase Output screen neight
	Reset		Screen menu all reset
	1		CAR

Parking					
	MENU	OPS Displa	ay	REAR	- 6
	Config	OPS Display	Off		
	Option .	Line Display	Off		
- 153	Image	Warnings Lang	English		
	Screen	Horizontal	Rest Constants	50	201
	Parking	Vertical		60	13.2

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First Menu	Second Menu	Third Menu	Description
Parking		On	Show OPS
	OPS Display	Off	Do not show OPS
	Line Dienlau	On	Show parking line
	Line Display	Off	Do not show parking lines
	Warnings Lang		Set warning text language
C.R.A	Horizontal		Moving a parking line horizontally
V	Vertical		Moving a parking line vertically
	Transparency		Parking line transparency
	Reset		Parking menu all reset
NP.		1	CARE

50					
	MENU	Horizon	tal	MAVI	
OSI		Horizontal		50	
IR-	Ctrl	Vertical		50	
Uti	lity	Display Time		10s	
		Transparency		30	
		Language	English	5 C	

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First Menu	Second Menu	Third Menu	Description
OSD	Horizontal	value	OSD Menu Horizontal Shift
	Vertical	value	OSD menu vertical Shift
	Display Time	value	OSD Menu Display Time (in seconds)
	Transparency	value	OSD menu transparency
	Language	0.	OSD menu display language
	Reset	Execute	Initialize OSD settings

r(IMB)	Sel Learn Cance
	NOT TROOT IT MUNITURE
	Sys
1	Sys

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First Menu	Second Menu	Third Menu	Description
IR-Ctrl		Sel	- AVLAY
	DVB-T(DMB)	Learn	CARE
		Cancel	NO IN
	DVD	Sel	KI M
		Learn	
		Cancel	KA
N°			Notice

In order to work with the IR learning function, a separate IR cable is required.

1. In DVB-T / DVD menu, select User in Sys (OSD list) or User (learned contents).

2. Select Learn from the OSD menu.

3. Before using IR learning function, select All-Clear to delete existing stored data.

4. Press the remote control button to be used in each ICON once in New Code, press once again in Cfm Code

to confirm it is the same and save it.

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