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Video interface for CarPlay/AA connection in Mercedes-Benz with NTG 5/5.1 systems manual

Index

- 1. Main Spec
- 2. Block Diagram
- 3. Dimension
- 4. External Appearance
- 5. Connector Pin Assignment
- 6. Product Composition
- 7. DIP S/W Setting
- 8. Mode Change
- 9. CARPLAY control
- 10. OSD(On Screen Display) Control
- 11. Install Manual
- 12. Q & A

Main Spec.

- 1. Input Spec. (MULTI VIDEO INTERFACE)
 - 1 x Digital RGB Input (Carplay source)
 - 1 x AUX(mono) Input. (Carplay source)
 - 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
 - 1 x LVDS Input. (Car Command System)
- 2. Output Spec.
 - 1 x LCD Output (LCD Operation)
 - 1 x Uart Digital Touch (Carpaly source)
 - 1 x Speaker Sound
- 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



External Appearance









6. Product Composition



7. DIP S/W Setting







9. Car-Play control

C-LASS



- 1 PUSH : Selection
- 2 Moving left
- ③ Moving right
- ④ if Carplay, Track down if Android auto, Moving right
- if Carplay, Track up if Android auto, Moving right
- 6 Moving up
- 1 Moving down
- 8 Back
- 9 Siri call

9. Car-Play control

S-LASS



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9. Car-Play control

GLA



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OSD Control Board

MENU	SEL	UP	DOWN

MENU	When there is no OSD screen, pressing OSD ON When OSD screen is displayed, press OSD EXITT		
SEL	Item Selection, Value Selection		
UP	Item up Increase selected value		
DOWN	Item down 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 Mer	nu

OSD Config

	First Menu	Second Menu	Third Menu	Description
		NAVI-RGB	DIGTAL-INAVI :	Setting the Connected NAVI Model
	Config	REAR	AVM	Unselectable.
		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		
L	20	

OSD Option

First	Second Menu	Third Menu	Description	MENU	RearCam-'	Гуре
		HMS	Set up manufacturer of woodworking device for	Config Option Image	RearCam-Type RearCam-Power RearCam-Det	OEM Auto GEAR
	NAVI COM	:	UART Touch use	Screen Parking	AV Mode FrontCam-Type	Off ExtDevice
		OFF	Disable feature			
		OEM	Original Camera	þ		
	RearCam-Type	ExtDevice	Equipped with external camera			
	RearCam-Power	ON	+ 12V continuous supply			
Option		AUTO	+ 12V supply only in Rear camera mode			
		OFF	+ 12V off			
		GEAR	Detected by CAN			
	RearCall-Det	WIRE	Detected by Rear-Det Wire			
	ScrChg-Climate	ON	PIP-screen operation when air conditioning button			
		OFF	Disable feature			
	Reset	Execute	Option Menu all Reset			

NAVI

Climate 사용방법





MENU	ScrChg-Clim	NAVI	
Config	FrontCam-RcvOpt	Off	
Option	SteeringWheelBtn	Off	
Image	ScrChg-Call	Off	
Screen	ScrChg-Climate	On	Off
OSD	ScrChg-PS	Off	

First Menu	Second Menu	Third Menu	Action
	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	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

NAVI-RGB menu

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

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



<< Brightness >>



<< Contrast >>



<< Saturation >>

OSD – Screen Menu

First Menu	Second Menu	Third Menu	Description	ME Confi Option
	Horizontal		Output screen horizontal movement	Image Screet
	Vertical		Output screen vertical movement	Parki
	Scale X Up		Reduce / increase output	
Screen	Scale X Down		screen width	
	Scale Y Up		Reduce / Increase Output	
	Scale Y Down		Screen Height	
	Reset	C	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 – OSD Menu

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

X'S

OSD Utility









11. Install Manual

4. Installation CAN connection



Remove genuine black 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 !

12. 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