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Instruction Manual BENZ TAC2 for Mercedes Benz

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1. Main spec.

- 1-1 Input Spec. (MULTI VIDEO INTERFACE)
 - 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)
- 1-2 Output Spec.
 - 1 x LCD Output (LCD Operation)
- 1-3 Power Spec.
 - Input Power : 8VDC ~ 24VDC
 - Consumption Power : 12Watt, Max
- 1-4 Switch Input mode
 - Possible to switch input mode through original button

2. Features

- Possible to switch from external screen to OEM Phone mode screen automatically when phone rings
- The external video input will be blocked while driving
- Possible to register IR code of DVD/DTV
- Capacitive touch screen with frame
- Easy installation with Plug&Play power/LVDS cable
- Display dynamic PAS (Parking assistance system) with PDC

3. Diagram



4. Components



4. Components (Option)



5. Exterior



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1. Dip Switch

* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVI	ON : Skipping NAVI OFF : Display
2	DVB-T	ON : Skipping DVB-T OFF : Display
3	DVD	ON : Skipping DVD OFF : Display
4	N.C	
5	Rear Camera	Page. 9
6		ON : B,CLA,CLS,GLE 7", 8", E 8.4"
7	CAR model	ON : S 12", 12" Split view
8	5 1 2	ON : S 12", 12 Split view, C 8.4", E 8.4"

* Example



S class 12"split view



E class 8.4" Model



S class 12"Model



C/GLC class 7"Model



C class 8.4"Model



B/CLA/CLS/GLE class 7"/8"Model

1. Dip Switch- DVB-T, DVD Setting

% The "Front input" can be used for DVD or DTV input (AV1 : DTV, AV2: DVD – Possible to install only one of them)

- AV1 Setting - For DTV



No.2: Off / No.3: On DVB-T UI On/Off (Refer to P15) (Dip no.3 should be ON (Skip) Otherwise AV2 screen will appear)



- AV2 Setting - For DVD



No.2: On / No.3: Off DVD UI On/Off (Refer to P15) ((Dip no.2 should be ON (Skip) Otherwise AV1 screen will appear.)



2. Parking → Drive setting

 Setting time to display screen when changing gear from P to N or D



3. Touch Control

- Touch calibration



Touch OEM screen in any mode more than 7sec. For calibration

(This function can be activated only one time after switching mode)

- DVB-T/DVD Control

Press Touch (Anywhere)







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Touch the "+" correctly



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4. Original button – Switching mode

C- CLASS



<Steering wheel>

S- CLASS



<Steering wheel>

/ NAVI: 1. Long Press: Switching mode

<Jog shuttle>

2. Short Press: Switching to OEM directly

<Jog shuttle>

4. Original button – DVB-T, DVD Menu

* Control the menu below by Original button



X To use this function, It is necessary to offer the remote IR code to manufacturer or setting OSD IR - Ctrl (P. 22)

4. Original button – OSD Setting



5. OSD Menu

%Press "MENU" button on Key board

MENU	Config	NAVI
Config Option Image Screen Parking	NAVI-RGB DVB-T (DMB) DVD Reset	KD900-WVGA NET-770 ELT-980XU Slim Execute Cancel

Config - NAVI-RGB : Setup for the type of RGB Config – DVB-T : Setup for the type of DVB-T Config - DVD : Setup for the type of DVD Reset : Reset all value

5. OSD Menu

%Press "MENU" button on Key board

MENU	Option		NAVI	
Config Option Image Screen Parking	Rear Cam - Type Rear Cam - Power Rear Cam - Det Front Cam -Type Front Cam -Power	ExtDevice On CAN ExtDevice Auto		

Option

- RearCam-Type : Setup for rear camera ExtDevice - External rear camera OEM - Original carmer
- RearCam-Power : Setup for Rear VCC wire in power cable ON - +12V out always (current consumption : 200mA) AUTO - +12V out in rear mode only (200mA) OFF - Power OFF
- RearCam-Det : Setup for Rear detection CAN - By CAN
 - Extwire by rear cam detect wire
- FrontCam-Type : Setup for front camera ExtDevice - External rear camera
 OEM - Original camera
- FrontCam-Power : Setup for Front VCC wire in power cable ON - +12V out always (current consumption : 200mA) AUTO - +12V out in rear mode only (200mA) OFF - Power OFF

5. OSD Menu

%Press "MENU" button on Key board



5. OSD Menu

%Press "MENU" button on Key board



Option

ScrChg-Call : Setup for switching from external screen to OEM Phone mode screen automatically when phone rings



- PBrake ID : Set up car model for using 'Safe Mode' NTG5.0- NTG5.0 ex) S, C-class NTG5.1- NTG5.1 ex) E, G, B, A-class
 NAV Btn: Setup for OEM NAVI Button(Switching Mode) ON- Switching mode
 - OFF- Switching to OEM directly

5. OSD Menu

%Press "MENU" button on Key board

- NAVI(RGB) Image / Screen MENU IMAGE Config Brightness 50 Contrast 50 Option Color- RED 50 Image Color- GREEN Screen 50 Color- BLUE 25 Parking MENU Screen Config Horizontal 50 Vertical Option 50 Scale X Up Image 50 Scale X Down Screen 50 Scale X Up Parking 50

- DVD, DVBT, NAVI-AV, REAR, FRONT Image

MENU	IMAGE Rear		Rear
Config	Brightness		50
Option	Contrast		50
Image	Saturation		50
Screen	Hue		50
Parking	Sharpness		25

5. OSD Menu - Parking mode

%Press "MENU" button on Key board

-Parking guide line ON/OFF

MENU	Parking		Rear
Config Option Image Screen Parking	OPS Display Warnings Lang Horizontal Vertical Transparency	On English	50 50 40

Select a use of parking line (OSD Menu – Parking – Line display – ON or OFF)

- Language

MENU	Parking / Warnings Lang Rear	
Config	OPS Display	English
Option	Warnings Lang	中文
Image	Horizontal	한국어
Screen	Vertical	台湾
Parking	Transparency	P O C C/I Я

Selecting a type of language (OSD Menu – Parking – Warning lang)

Parking line - ON



-Adjusting the position of guide line

MENU	Parking Rear	
Config Option Image Screen Parking	OPS Display Warnings Lang Horizontal Vertical Transparency	On English 50 40

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



5. OSD Menu

%Press "MENU" button on Key board

- OSD

MENU	Horizontal		
OSD IR-Ctrl Utility	Horizontal Vertical Display Transparency Language	50 50 10s English	

- OSD Horizontal
- OSD Vertical
- OSD Display : Setting time for displaying OSD menu
- OSD Transparency
- OSD Language : Setting language of ODS menu
- IR Ctrl (p.22)

- Utility

MENU	Utility	
OSD IR-Ctrl Utility	Factory Reset Version	Execute Cancel AD4P52KRX - 160509

• Utility – INTERFACE SOFTWARE

5. OSD Menu – Register IR code

%Press "MENU" button on Key board

- IR Ctrl

MENU DVB-T(DN	AB) DVD MEN	IU DVB-T(DMB) DVD
OSD DVB-T Sel IR-Ctrl DVD User Utility Sys	Learn Cancel OSD IR-C Utilit	ALL - Clear POWER y SCAN CH+ CH-
 Select IR Ctrl → DVB/DVD/DVR Learn to register IR code All Clear : Remove all value of Remote control registered before Select one of the buttons registering to move on to next step 		
B DVB-T(DM) MENU DVB-T(DM) OSD New Code : IR-Ctrl Cfm Code : Utility (重复输入) Save Clr	1B) DVD • De AL Cli Cancel • Pla	tion lete : L Clear – Delete all value – Delete one button's Value v/Pause:
③ Press a button on the re of DVD/DTV then the IR co appeared on "New code" n same button one more tim the IR code. (Cfm code = c	To the emote control ode will be nenu. Press the ne to confirm confirm code)	use D button, Please register e IR code in power / Pause menu parately

1. Touch installation – C-Class 8.4"



① Please remove the monitor from a car



② Please stick the touch screen on an OEM screen (Make sure the sensor position before sticking)



Please pull out the cable through the back side of monitor



 Please put the supplied touch board on the indicated part

1. Touch installation – S-Class 12.2"



 Please remove the monitor from a car



Please stick the touch screen on an OEM screen (Make sure the sensor position before sticking)



③ Please pull out the cable through the back side of monitor



 Please put the supplied touch board on the indicated part





3. CAN Connection



 Please remove the indicated black connector from the OEM plug & play connector



Please push the indicated lock button to take away connector



③ Please put the removed cable into the black connector (Make sure the direction of an arrow)



Caution

1. FQA

- Not possible to switch mode
 - Check connection of OSD Key pad wire
 - Check CAN connection
- Display wrong size of picture
 Check Dip s/w setting
- Display black screen in OEM mode
 Check connection of LVDS/LCD cable
- Not possible to switch to rear screen
 Check the packing setting
 (OSD Menu option RearCam-Det)

2. Caution

- The device must not be installed in where it interferes driving (close to brake pedal, steering wheel, airbag etc.)
- LVDS cable must be connected correctly according to the manual
- Insulate the end of wire by using electrical tape
- The installation should be done by expert
- GU electronic does not take any responsibility for any problem caused by wrong installation