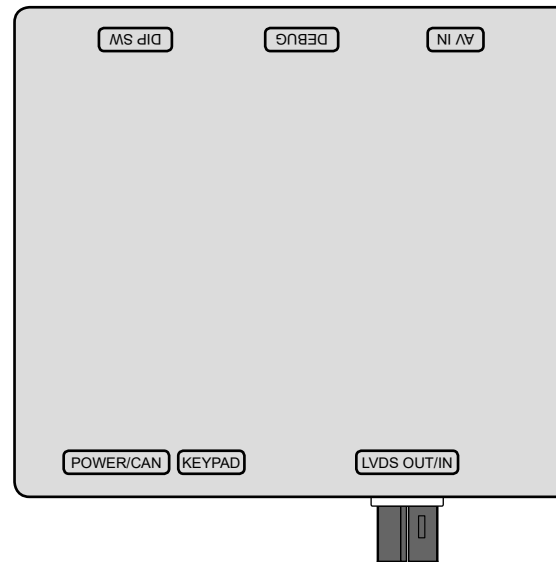


Instruction Manual

REAR INTERFACE for Mercedes NTG6(MB-UX),NTG55

R-NTG6



모델명	R-NTG6
최신편웨어적용일	2019 - 09 - 03
메뉴얼버전	Rev. 1.5
언어	한국어

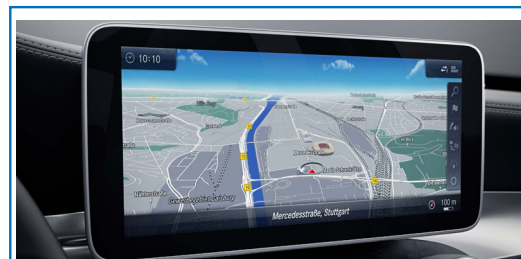
Contents

- 차량 모델별 호환성 리스트 _____ 
- 기본 구성품 & 옵션 구성품 _____ 
- 본체 커넥터 핀 상세 사양 _____ 
- 전체 연결 배선도 **NTG6 MB-UX** _____ 
- 전체 연결 배선도 **NTG5.5** _____ 
- 딥 스위치 설정 _____ 
- 순정 버튼을 이용하여 각 기능 작동 _____ 
- DTV 연결 배선도 _____ 
 - 키패드 사용법 (**How To Use KEYPAD**) _____ 
 - 후방카메라 설정 _____ 
 - 후방카메라 설정 _____ 
 - AV1 (전방카메라) 설정 (**순정,외부 카메라 유지시간 설정**) _____ 
 - AV2 설정 (DVB-T, DVD) _____ 

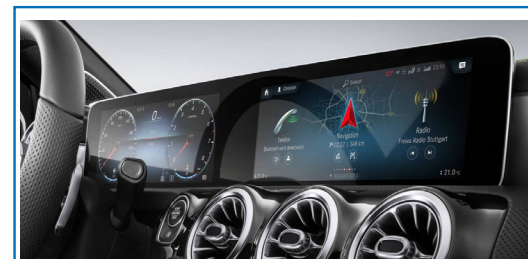
차량 모델별 호환성 리스트

Comand NTG 5.5

Car Models	Specific Models	Production Year	Specific Models	Screen Size
C-CLASS	W205	2018 -	- Mercedes Comand APS NTG 5.5 * facelift	7 inch 10.25 inch
E-CLASS	W213	2016 -	- Mercedes Comand APS NTG 5.5	12.3 inch
CLS-CLASS	C257	2018 -	- Mercedes Comand APS NTG 5.5	12.3 inch
S-CLASS (facelift)	W222	2018 -	- Mercedes Comand APS NTG 5.5	12.3 inch
G-CLASS	W463	2018 -	- Mercedes Comand APS NTG 5.5	12.3 inch



Mercedes NTG5.5 <10.2 inch>



Mercedes NTG6 MB-UX <10.25 inch>



2019 A-Class



2019 C-Class
*facelift



E-Class



2019 CLS-Class



2019 S-Class
*facelift



2019 G-Class



2019 Sprinter

Comand NTG 6 <MB-UX>

Car Models	Specific Models	Production Year	Specific Models	Screen Size
A-Class	W177 V177	2018 -	- Mercedes Comand APS MB-UX	7 inch 10.25 inch
Sprinter	VS30	2018 -	- Mercedes Comand APS MB-UX	7 inch 10.25 inch

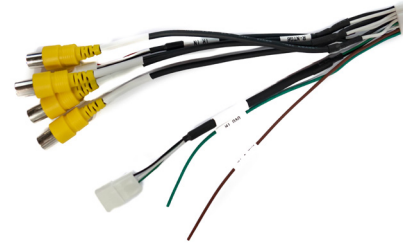
기본구성품



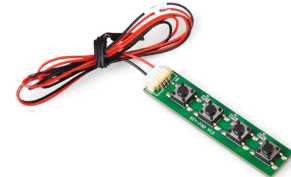
1.Power Cable



2.LVDS Cable



3.AV Cable



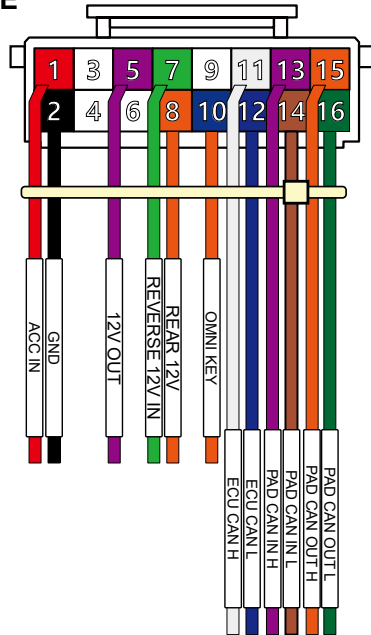
4.KEYPAD



5.IR Sensor

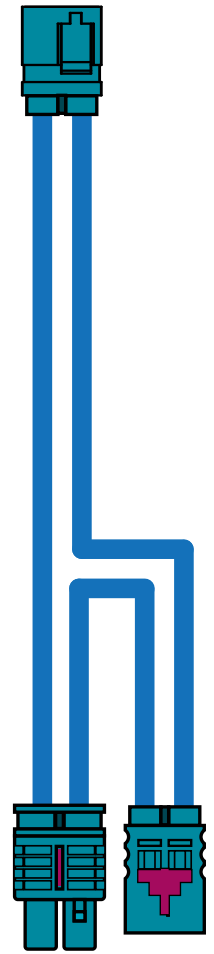
본체 커넥터 핀 상세 사양

POWER/CAN CABLE

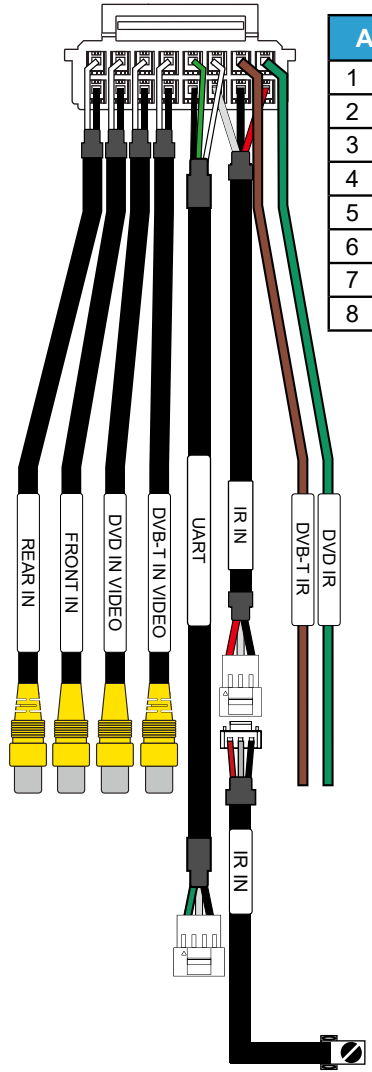


POWER / CAN CABLE			
1	BATTERY POWER INPUT	9	
2	GROUND	10	OMNI KEY
3		11	ECU CAN H
4		12	ECU CAN L
5	12V(ACC) OUT	13	PAD CAN IN H
6		14	PAD CAN IN L
7	REVERSE 12V IN	15	PAD CAN OUT H
8	REAR 12V POWER OUT	16	PAD CAN OUT L

LVDS OUT CABLE

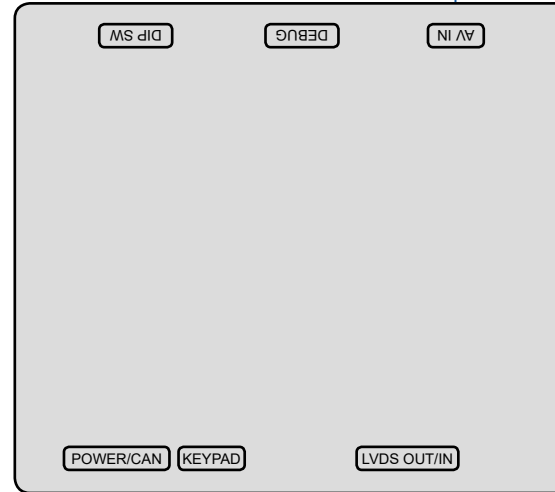


AV CABLE

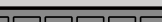


AV CABLE			
1	RV-CAM VIDEO INPUT	9	GND (RV-CAM VIDEO)
2	FRONT CAM VIDEO INPUT	10	GND (FRONT-CAM)
3	DVD VIDEO INPUT	11	GND (DVD)
4	DVB-T VIDEO INPUT	12	GND(DVB-T)
5	UART RX	13	UART (GND)
6	UART TX	14	IR (IR Signal)
7	DVB-T IR IN	15	IR (GND)
8	DVD-T IR IN	16	IR (Power)

 [Click
Go to contents page](#)



A close-up photograph of a white multi-pin connector, likely a SATA or similar interface, with a red bounding box highlighting it. The connector is plugged into a device, and several colored wires (blue, green, yellow, red, black) are visible emerging from the bottom. The background shows other components of the device, including a black cable and a yellow component.



DTV and DVD



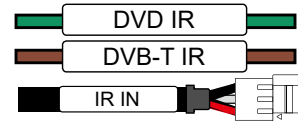
Front Camera



Rear Camera



Does Not Use



How to Wire & Setting DVD,DVB-T Remote Controller

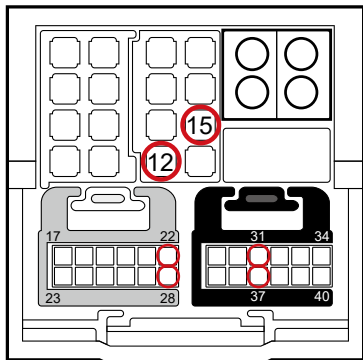


DVB-T , DVD

A close-up photograph of a network switch port. A red rectangular box highlights the RJ45 jack, which is the point of physical connection for the network cable. The jack has two visible green circular contacts. The surrounding area shows various other ports and cables connected to the switch.

A close-up photograph of a multi-pin connector, likely a D-sub connector. A red rectangular box highlights two specific pins in the center of the connector.

Mercedes NTG5.5 Head Unit Main Connector



- (Red) B+ Pin # 15 = ■
- (Brown) Ground Pin # 12 = ■
- (Purple/White) Pas Can High Pin # 37 = ■
- (Purple) Pas Can Low Pin # 31 = ■
- (Black/White) CMD CAN H Pin # 28 = ■
- (Black) CMD CAN L Pin # 22 = ■

12V ACC Power Out

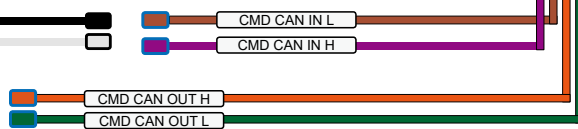
DVD,DVB-T등 외부기기 전원공급용 ACC 12V전원 아웃

REVERSE IN

CAN 신호로 후방화면이 전환이안될때.
후진 신호선에연결합니다. 후방영상 강제전환용 배선입니다.

REAR 12V

외부 후방카메라 전원공급용 12V전원이 나오는배선입니다.
※절대 전원을입력시키지 마세요



12V ACC Power Out

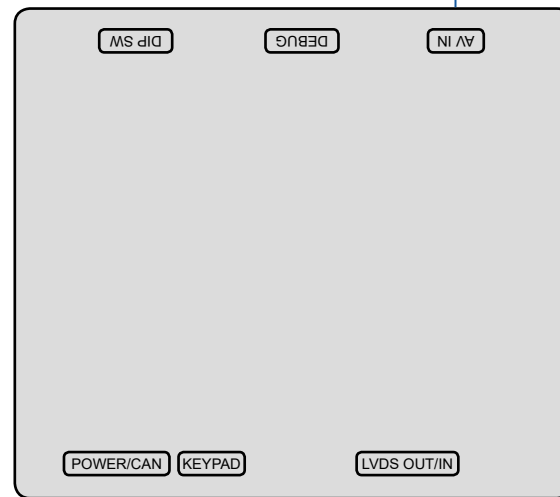
Reverse IN

Rear 12V

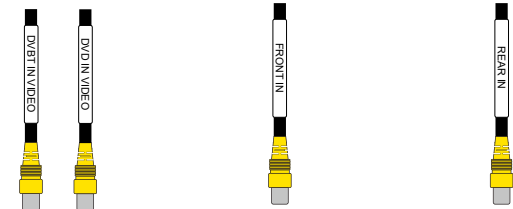
OMN KEY

Does Not Use

NTG5.5 일경우
인아웃 커넥터 "컷팅후
CMD CAN IN/OUT
연결합니다



AV IN Port



DTV and DVD



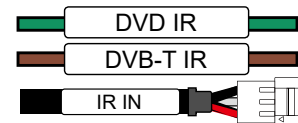
Front Camera



Rear Camera



Does Not Use

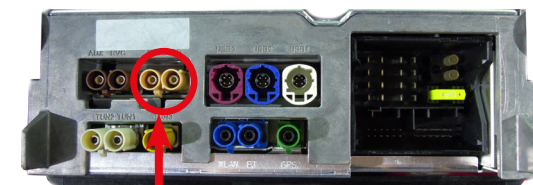


How to Wire & Setting
DVD,DVB-T Remote Controller



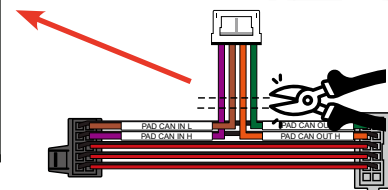
DVB-T , DVD

Mercedes NTG5.5 Head Unit

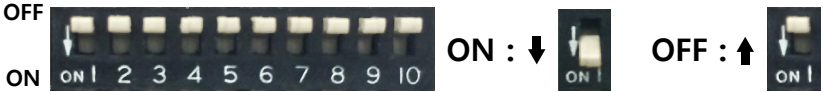


LVDS Cable

OEM LVDS Cable



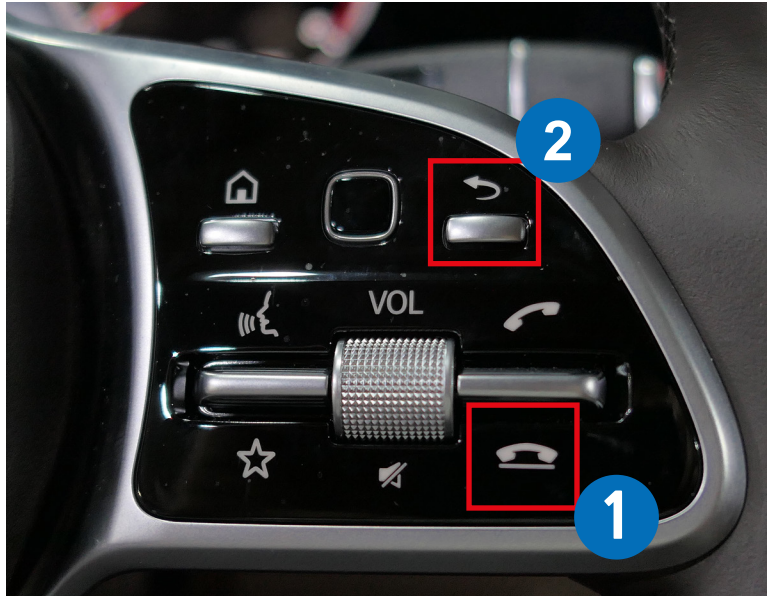
딥스위치 설정



PIN	ON (▼)	OFF(▲)
1	후방카메라 모드 사용	후방카메라 모드 사용안함
2	전방카메라(AV1) 모드 사용	전방카메라(AV1) 모드 사용안함
3	DVB-T 모드 사용	DVB-T 사용안함
4	DVD 모드 사용	DVD 사용안함
5	사용안함 (기본 "OFF")	
6	사용안함 (기본 "OFF")	
7	차량 모델 선택	
8		
9		
10		

No.7	No.8	No.9	No.10	Car Model	Code Name	Screen Size
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	A-Class	W177 V177	10.25 inch
OFF(▲)	OFF(▲)	ON (▼)	OFF(▲)	A-Class	W177 V177	7 inch
OFF(▲)	OFF(▲)	OFF(▲)	ON (▼)	C-Class *facelift	W205	10.25 inch
				E-Class	W213	
				Sprinter	VS30	
OFF(▲)	OFF(▲)	ON (▼)	ON (▼)	C-Class *facelift	W205	7 inch

순정 버튼을 이용하여 각 기능 작동



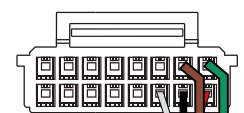
W213 Steering Wheel Buttons

버튼	기능	작동 방법	비고
2 Back	전방 카메라 AV1 모드 전환	2초동안 길게 버튼누름	전환순서 : AV1 (전방카메라)
		짧게 1번 버튼을 누름	전환순서 : AV1 → 이전화면
1 Hang up	모드 전환	2초동안 길게 버튼누름	전환순서 : DVB-T → DVD → OEM

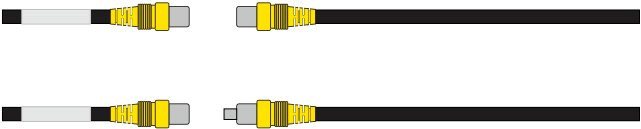
DTV 연결 배선도

DVB-T OR DVD DEVICE

AV CABLE



CVBS



Wire To DVB-T IR
DVD IR

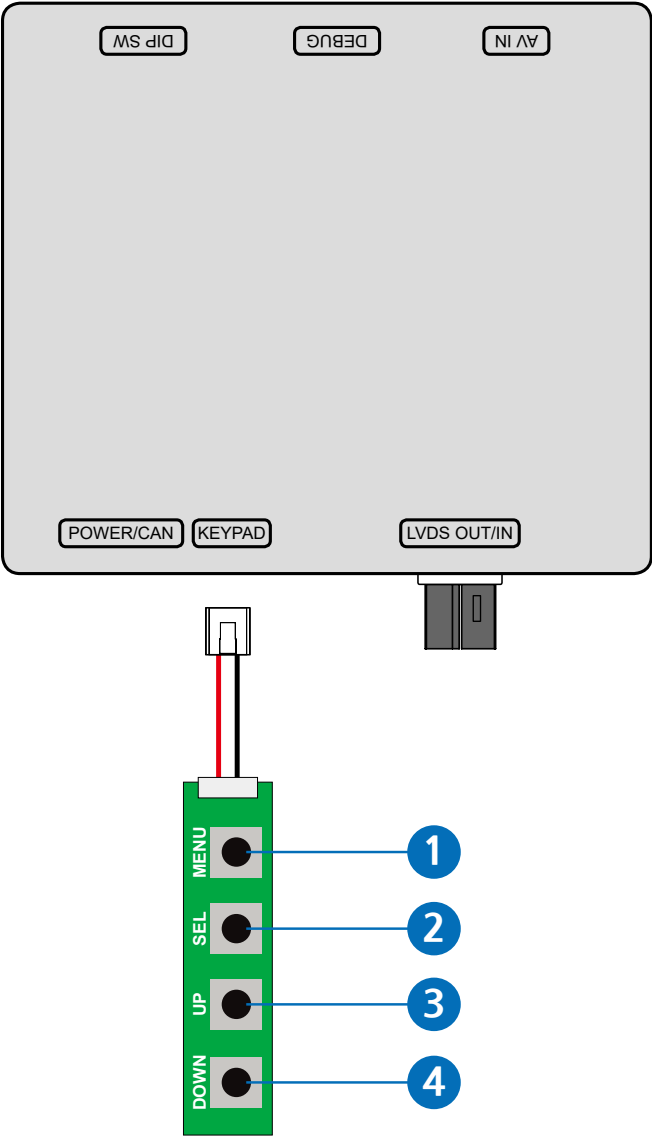
IR SIGNAL IN



DVB-TV IR Sensor	
Red	POWER
White	SIGNAL
Black	GROUND



설정 메뉴 (키패드 사용법)



KEYPAD - Function #1

버튼	기능	작동 방법	비고
1 MENU	모드 전환	짧게 1번 버튼을 누름	전환순서 : Front Cam → DVB-T → DVD → OEM
2 SEL	셋팅 모드 진입	짧게 1번 버튼을 누름	

KEYPAD - Function #2

버튼	기능	작동 방법
1 MENU	이전메뉴로 돌아가기	짧게 1번 버튼을 누름
2 SEL	각 설정 메뉴와 설정값을 선택	짧게 1번 버튼을 누름
3 UP 4 DOWN	메뉴 포인터 이동 및 설정 값 조정	짧게 1번 버튼을 누름

설정 메뉴

HDMI	INPUT SOURCE	OEM CAMERA
NAVIGATION	BRIGHT	AVM (AROUND VIEW)
REAR VIEW	CONTRAST RED	EXTERNAL CAMERA
FRONT VIEW	CONTRAST GREEN	
DTV	CONTRAST BLUE	
DVD		
CUSTOM		
EXIT		

DIP SWITCH INFO : 
FIRMWARE DATE :
MAIN : 2018-03-02
SUB : 2018-03-02
TW23 : 2018-03-02

REAR VIEW INPUT - OEM CAMERA (순정 후방카메라)

- INPUT SOURCE (후방카메라 종류 선택)

- OEM CAMERA (순정 후방카메라)
- AVM (어라운드뷰)
- EXTERNAL CAMERA (외부 후방카메라)

- BRIGHT and CONTRAST

- 영상의 '밝기'와 '빨강-초록-파랑의 색상 대비' 조절.

HDMI	INPUT SOURCE	AVM (AROUND VIEW)
NAVIGATION	BRIGHT	128
REAR VIEW	CONTRAST RED	128
FRONT VIEW	CONTRAST GREEN	128
DTV	CONTRAST BLUE	128
DVD	AVM KEEPING TIME R → D	7 Sec
CUSTOM	AVM KEEPING TIME P → D	7 Sec
EXIT	PGS ON / OFF	OFF
	PGS - HORIZONTAL	128
	PGS - VERTICAL	128
	PDC ON / OFF	OFF

DIP SWITCH INFO : 
FIRMWARE DATE :
MAIN : 2018-03-02
SUB : 2018-03-02
TW23 : 2018-03-02

REAR VIEW INPUT - AVM (어라운드뷰)

- BRIGHT and CONTRAST

- 영상의 '밝기'와 '빨강-초록-파랑의 색상 대비' 조절.

- AVM KEEPING TIME

- 기어를 '후진 → 전진', '주차 → 전진'으로 변속 시, 설정된 동작 시간 동안 자동으로 REAR(AVM) 화면을 보여주는 기능입니다

- PGS (Parking Guide System)

- 주차 가이드 라인의 위치 조정 및 ON / OFF 설정

- PDC (Graphic Sensor Image)

- 차량 센서 그래픽이미지 ON/OFF

Settings

HDMI	INPUT SOURCE	EXTERNAL CAMERA
NAVIGATION	BRIGHT	128
REAR VIEW	CONTRAST RED	128
FRONT VIEW	CONTRAST GREEN	128
DTV	CONTRAST BLUE	128
DVD	PGS ON / OFF	OFF
CUSTOM	PGS - HORIZONTAL	128
EXIT	PGS - VERTICAL	128
	PDC ON / OFF	OFF
DIP SWITCH INFO :		FIRMWARE DATE :
		MAIN : 2018-03-02
		SUB : 2018-03-02
		TW23 : 2018-03-02

(외부 후방카메라)

REAR VIEW INPUT - EXTERNAL CAMERA

- BRIGHT and CONTRAST

- 영상의 '밝기'와 '빨강-초록-파랑의 색상 대비' 조절.

- PGS (Parking Guide System)

- 주차 가이드 라인의 위치 조정 및 ON / OFF 설정

- PDC (Graphic Sensor Image)

- 차량 센서 그래픽이미지 ON/OFF

Settings

HDMI	INPUT SOURCE	OEM CAMERA
NAVIGATION	CAM KEEPING TIME R → D	7 Sec
REAR VIEW	CAM KEEPING TIME P → D	7 Sec
FRONT VIEW		
DTV		
DVD		
CUSTOM		
EXIT		

DIP SWITCH INFO :



FIRMWARE DATE :

MAIN : 2018-03-02
SUB : 2018-03-02
TW23 : 2018-03-02

FRONT VIEW INPUT - OEM CAMERA (순정 전방카메라)

- CAM KEEPING TIME

- 기어를 '후진 → 전진', '주차 → 전진'으로 변속 시, 설정된 동작 시간 동안 자동으로 **순정 후방카메라 화면**을 보여주는 기능입니다

HDMI	INPUT SOURCE	EXTERNAL CAMERA
NAVIGATION	BRIGHT	128
REAR VIEW	CONTRAST RED	128
FRONT VIEW	CONTRAST GREEN	128
DTV	CONTRAST BLUE	128
DVD	CAM KEEPING TIME R → D	7 Sec
CUSTOM	CAM KEEPING TIME P → D	7 Sec
EXIT		

DIP SWITCH INFO :



FIRMWARE DATE :

MAIN : 2018-03-02
SUB : 2018-03-02
TW23 : 2018-03-02

FRONT VIEW INPUT - EXTERNAL CAMERA (외부 전방카메라)

- BRIGHT and CONTRAST

- 영상의 '밝기'와 '빨강-초록-파랑의 색상 대비' 조절.

- FRONT CAM KEEPING TIME

- 기어를 '후진 → 전진', '주차 → 전진'으로 변속 시, 설정된 동작 시간 동안 자동으로 AV1(Front) 화면을 보여주는 기능입니다

- PDC (Graphic Sensor Image)

- 차량 센서 그래픽이미지 ON/OFF

Settings

HDMI	BRIGHT	128
NAVIGATION	CONTRAST RED	128
REAR VIEW	CONTRAST GREEN	128
FRONT VIEW	CONTRAST BLUE	128
DTV	REMOTE OSD ON / OFF	ON
DVD	REMOTE TYPE	ALPINE
CUSTOM	MEMORY UP ①	0x807f807f
EXIT	MEMORY DOWN ②	0x807f807f
	MEMORY LEFT ③	0x807f807f
	MEMORY RIGHT ④	0x807f807f
	MEMORY OK ⑤	0x807f807f
	MEMORY MENU ⑥	0x807f807f
	MEMORY EXIT ⑦	0x807f807f
	MEMORY ETC1 ⑧	0x807f807f
	MEMORY ETC2 ⑨	0x807f807f

DIP SWITCH INFO :


FIRMWARE DATE :
MAIN : 2018-03-02
SUB : 2018-03-02
TW23 : 2018-03-02

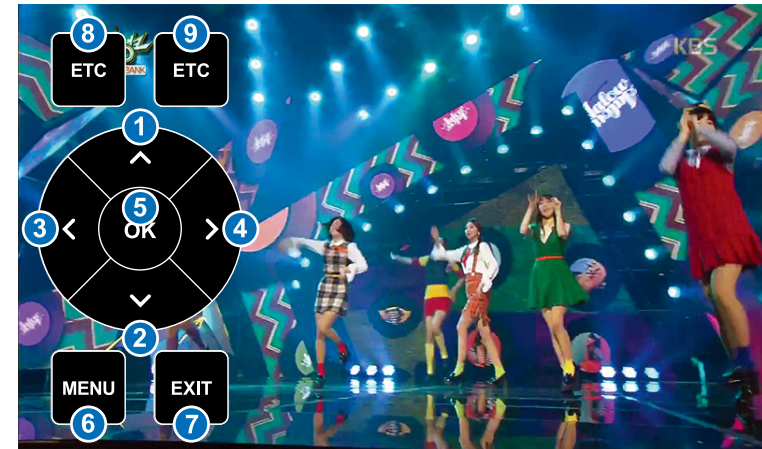
DTV , DVD

- BRIGHT and CONTRAST

· 영상의 '밝기'와 '빨강-초록-파랑의 색상 대비' 조절.

- REMOTE OSD ON / OFF

· OSD UI를 통해 DTV 리모콘의 일부기능을 터치로 제어할수있습니다.



- REMOTE TYPE

· ALPINE

· GEX909DTV

· HIT7700

Manufactured by

MICROCITY

Distributed by

INDIWORK
INDIVIDUAL WORKSHOP

www.  **INDIWORK** .co.kr

Copyright © indiwork. All Rights Reserved.