

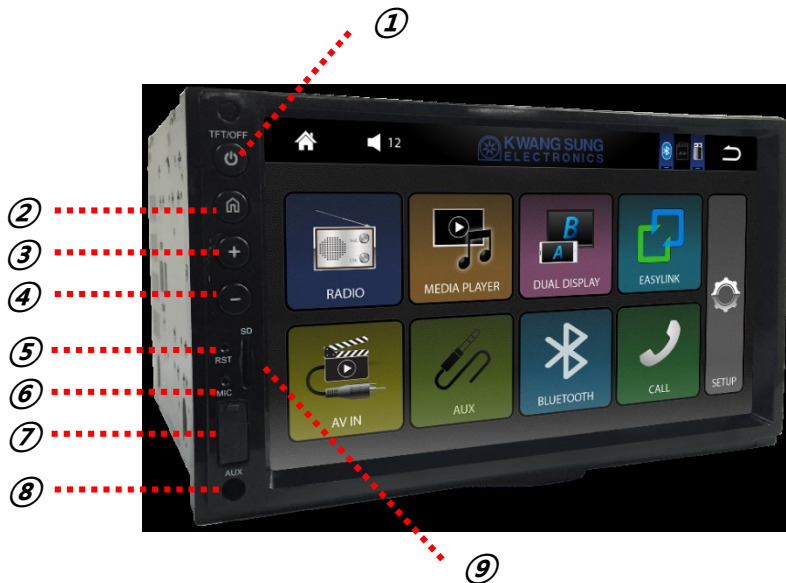
Display Audio User Manual










Dec. 2016

Presented by C&C I Motive Sdn Bhd



► Key Buttons and Operations



Key	Name	Operations
①	 Power	Press to turn the audio on or off.
②	 Home	Returns to the main menu.
③	 Volume Up	Increasing the sound volume. Basic Volume is 5, Maximum Volume is 30.
④	 Volume Down	Decreasing the sound volume Basic Volume is 5, Minimum Volume is 0.
⑤	 RESET	When the system is malfunctioned, please press here with something like pointed edge to reset.
⑥	 Microphone	Serve the speakerphone via blue-tooth
⑦	 USB Port	Support USB memory stick to paly music and video clip, and USB cable to connect up to a smart phone for mirroring and charging up a smartphone battery.
⑧	 AUX Port	Support diverse sound equipment
⑨	 Micro SD card slot	Support Micro-SD card to enjoy music and video clip.

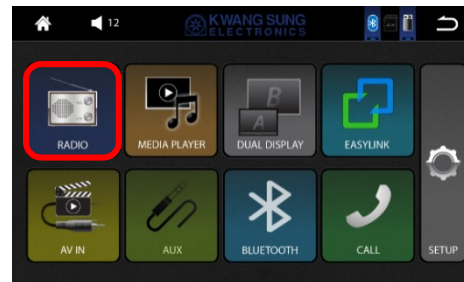
► Main screen



▶ Adjusting radio function

1. Turning the FM Radio

1) Touch the  Icon on Top-left of the product.



2) Touch the radio icon on the main Menu.



3) The last set radio frequency will be played



Radio mode will be changed FM to AM or AM to FM by touching FM icon, Default set is FM

2. Radio Mode



	Button and Text	Operation
1	Home	Returns to the main menu.
2	Back Button	Return to just previous screen the last working in.
3	FM / AM	Change to FM or AM mode
4	TUNE DOWN	Increase(up) or decrease(down) frequency with 1 step (FM:100kHz, AM:9kHz)
5	TUNE UP	
6	Sound setup	Change EQ mode
7	PRESET 1	Preset one of tuned frequencies as the PRESET 1, PRESET 2 and up to PRESET 6.
8	PRESET 2	
9	PRESET 3	
10	PRESET 4	
11	PRESET 5	
12	PRESET 6	
13	PRESET SCAN	Scan all valid frequencies to preset
14	SEEK DOWN	Automatically seeking the tuned frequencies to lower (Down) or higher (up)
15	SEEK UP	
16	PRESET LIST	Move to PRESET list on the screen

3. Choosing the radio station

1) Select a PRESET



Press the button to change the mode between FM and AM.

Select FM or AM by touching this icon.

2) To seek a tuned radio stations automatically : Touch SEEK DOWN(1)/UP(2) button to seek a tuned radio stations.



1. SEEK DOWN : Press the button to seek strong station decreasing automatically.



2. SEEK UP : Press the button to find strong station increasing.

4. Presetting station on the Preset button

- 1) Presetting station: Storing station on a desired preset button while you are listening.



- 1) Select the desired preset number. press and hold PRESET button for 3 seconds.



- 2) After 3 seconds, the station is stored on the PRESET button.

- 2) To seek stations automatically : : you can use SEEK UP/DOWN button to seek strong radio stations.



1. SEEK DOWN : Press the button to find strong station decreasing automatically.



2. SEEK UP : Press the button to find strong station increasing automatically..

4. Auto Preset Scan and Storage

- 3) Automatic radio scan and storing : store incoming broadcast frequency on preset buttons in ascending order.
(If you have moved to another region, this function will be useful.)



1. If you press the 'Preset' button, auto tune is performed and stores radio stations automatically.

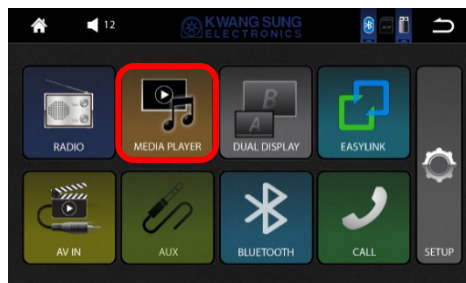


2. The screen after 'Auto Preset Scan and Storage'(Illustration)

► Using MEDIA (USB/Micro SD Card) function

1. Playing MEDIA (USB/Micro SD Card) mode

1) Press the  button of product or touch the  icon on top left of the screen.



2) Touch MEDIA button on the main screen



3) USB Music is played








Press the button to change the mode between USB and SD.
USB → SD → USB

⚠ Without any of USB/Micro SD, if you insert storage device, the first song is played automatically.

2. Front view of MEDIA (USB/Micro SD Card) screen

1) Front view of playing screen



- 6  Play all : plays the current song list that you have stored on your phone or USB.(기본값)
-  Repeat folder : repeats the current list of the folder.
-  Repeat one : repeats the currently playing song.
-  Shuffle On : the current list of the songs are randomly shuffled for play back.
-  Play all-Shuffle On : play the current songs randomly shuffled.

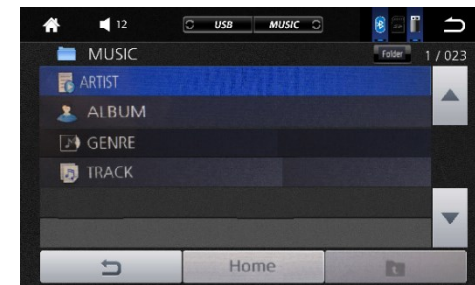
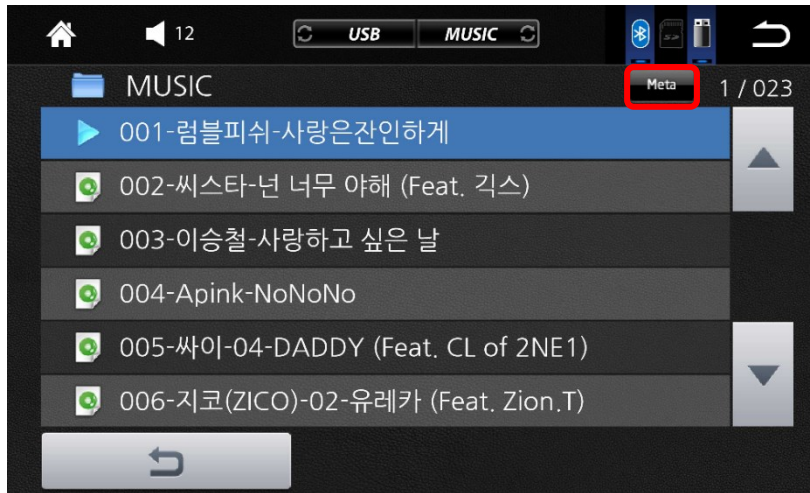
	Button and Text	function
1	Home	Move to main screen
2	Back button	Press to display previous screen you were working in.
3	MEDIA mode	Change USB/SD mode
4	MUSIC/VIDEO mode	MUSIC/VIDEO mode setting on USB/SD mode
5	Sound setting	EQ mode changing
6	Play Setting	Choose one among Play all/Repeat one/Repeat folder.
7	Thumbnail screen	Thumbnail screen
8	Previous music	Move to previous music
9	Play / Pause	Start the song / Pause the song
10	Next music	Move to next music
11	Play list	Display your list of songs.

11



3. Front view of MEDIA (USB/Micro SD Card) screen.

2) View of LIST screen

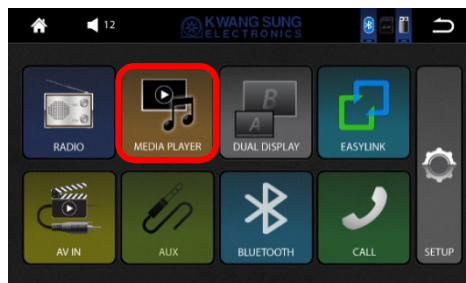


Meta button allows you to choose and play songs among Artists/Albums/Genres/Tracks

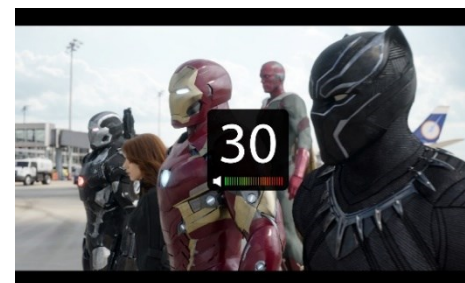
※ Please note : Audio might not be played according to file format (CODEC)

4. Playing Video MEDIA (USB/Micro SD Card) mode

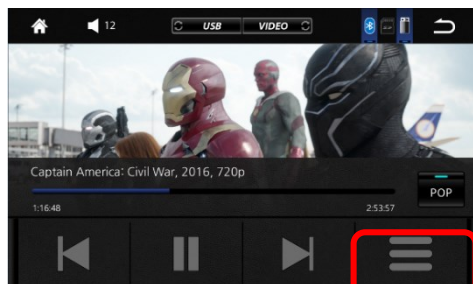
1) Press the  button of product or touch the  icon on top left of the screen.



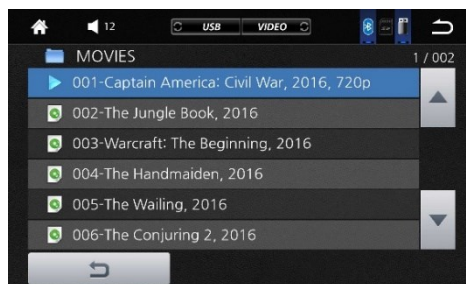
2) Touch MEDIA button on the main screen





3) The first video file is played of your phone, USB, or SD card.
4) Volume level displays in the middle of screen if you press volume button while playing video.





5) Function button displays when you touch anywhere of the screen while playing video.



6) Video list displays when you touch 'List' button.

-  Tap to go to next video.
Press and hold to fast-forward the video.
-  Display video list.

-  Tap to go previous video.
Press and hold to rewind the video
-  Play / Pause the video

※ Please note Audio might not be played according to file format (CODEC)

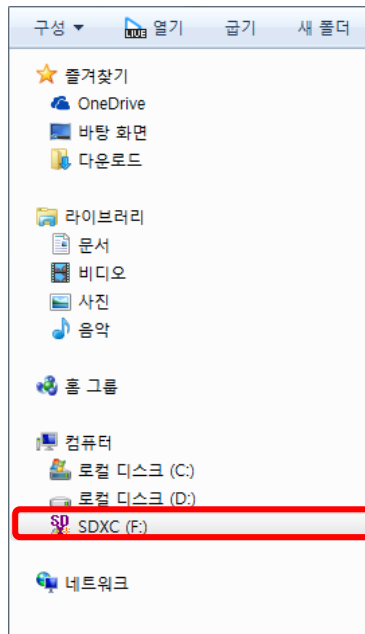
※ Please note before saving files in Micro SD Card

Before you copy your music and video in a Micro SD card, please note that Micro SD card format setting should be set '**NTFS**'

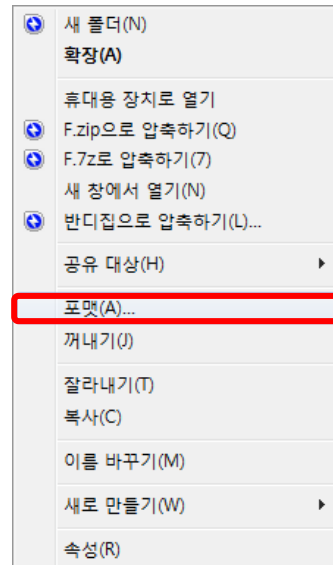
1. Turn on your computer (or File manager)



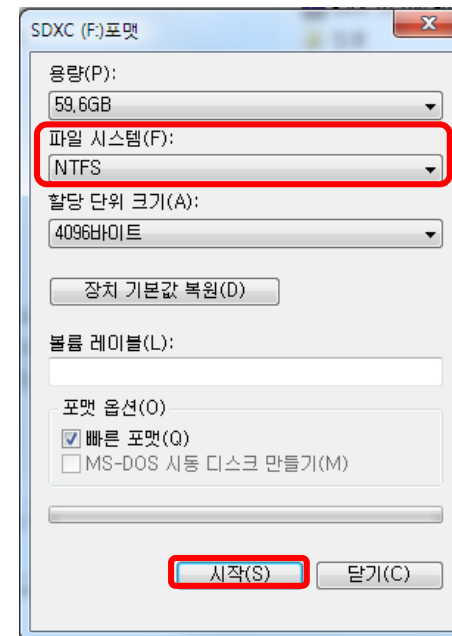
2. Select Micro SD Card and click on the right mouse button.



3. Click 'Format' on the window as shown below screen.



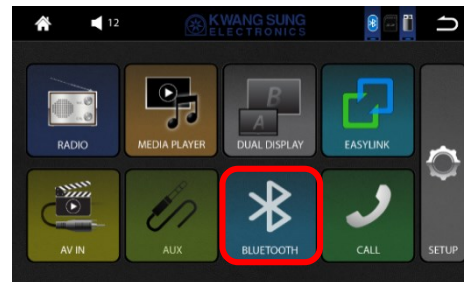
4. After a format window pops, set 'NTFS' of 'File system' and press 'Start'.



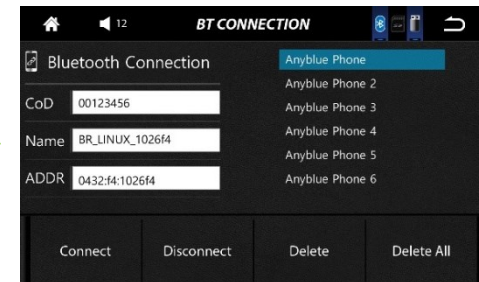
▶ Using Bluetooth function

1. Using Bluetooth Hands-Free

1) Press the  button of product or touch the  icon on top left of the screen.

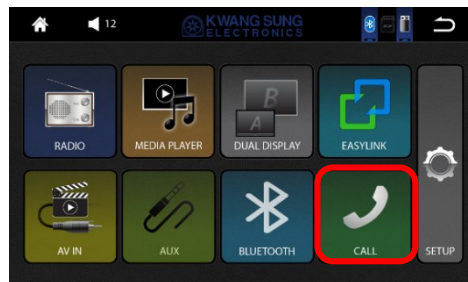


2) Touch Bluetooth icon on the main screen

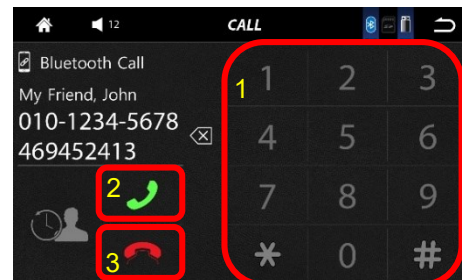


3) Connect your smartphone to the hands-free system with a paired link.

Bluetooth device name :
BR_LINUX_12dxxx or TNN_DA_56551DF

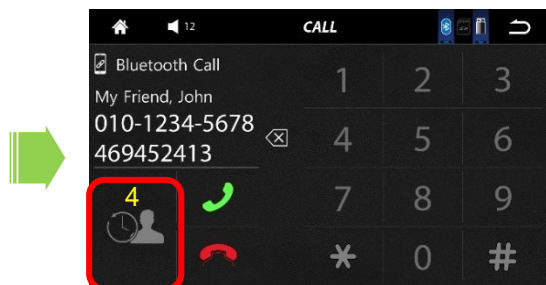


4) Touch Bluetooth Call icon on the main screen.

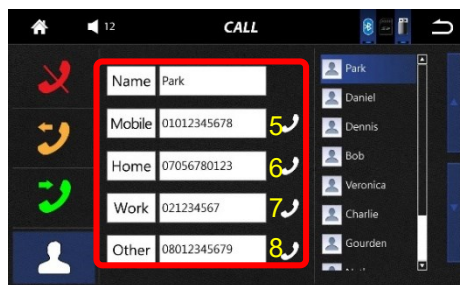






1. Touch phone number on the call screen
2. Touch Call button to talk telephone conversation
3. Touch End button to end the telephone conversation.

1. Using Bluetooth Hands-Free



4. You can check address book with address book button.

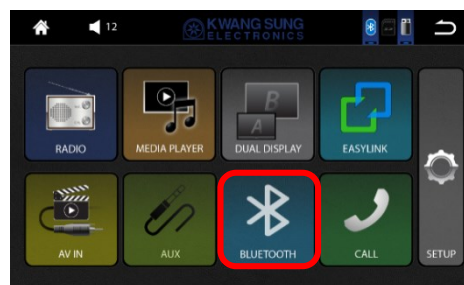


-  A list of missed calls is displayed.
-  A list of recent outgoing calls is displayed.
-  A list of recent incoming calls is displayed
-  A list of address book is displayed

If a specific person has several numbers(like 5,6,7,8 on the screen), you can call to each phone number by touching each call icon.




2. Using Bluetooth Music Play

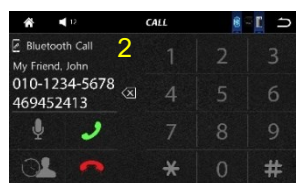
1) Press the  button of product or touch the  icon on top left of the screen.



2) Touch Bluetooth button on the main screen.



-  Tap to go to previous song.
-  Play / Pause
-  Tap to go to next song

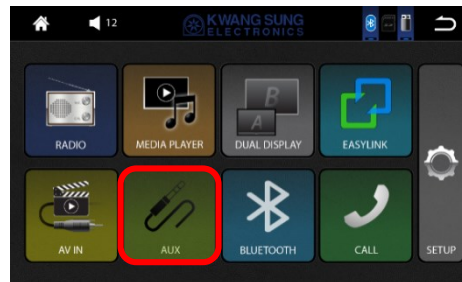


1. When a phone call is incoming during listening music,
2. Music screen changes to call screen
3. When a phone call ends, the screen goes back to previous screen.

► Using AUX function

1. Using AUX Audio Mode

1) Press the  button of product or touch the  icon on top left of the screen.



2) Touch AUX button on the main screen.

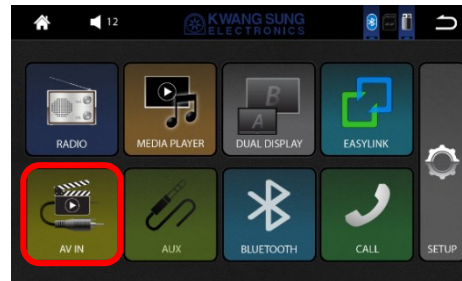


3) AUX audio mode is played.
Enjoy music with your devices.

▶ Using AVIN function

1. AVIN 모드 사용하기

1) Press the  button of product or touch the  icon on top left of the screen.



2) Touch AV IN button on the main screen.
3) There must be input signal for the function in the ANIN(image, Voice), the back side of product.



4) If there is no input signal, blue screen is displayed on the LCD

► Using Backside camera

1. Using Backside camera function



1) On start condition ,if a transmission lever is placed on R, backside camera mode is automatically implemented..

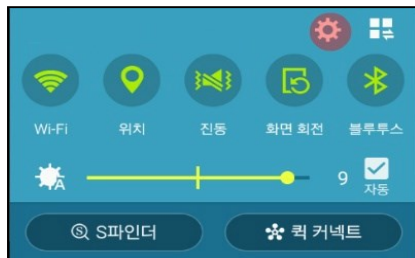
2) Backside camera is priority in any events even in SET OFF state.

※ Please note : Even in SET OFF state, the backside camera screen is displayed when a lever is placed in R(when the car is into reverse)

▶ Using EASYLINK Function

1. Android Phone Setting way

- 1) Swipe down from the top edge of the Phone. Click 'SETTINGS'

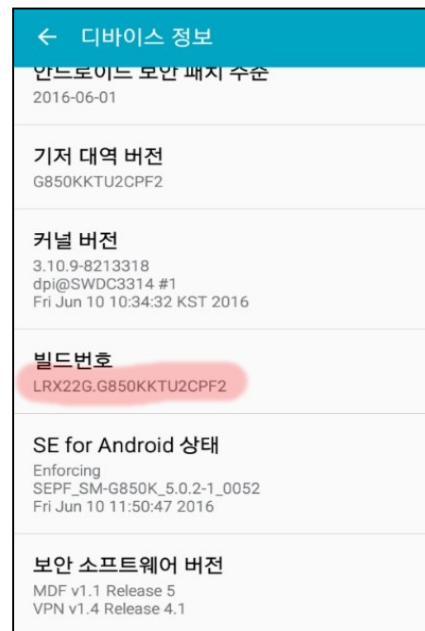


- 2) Click 'Device Information' as shown below.

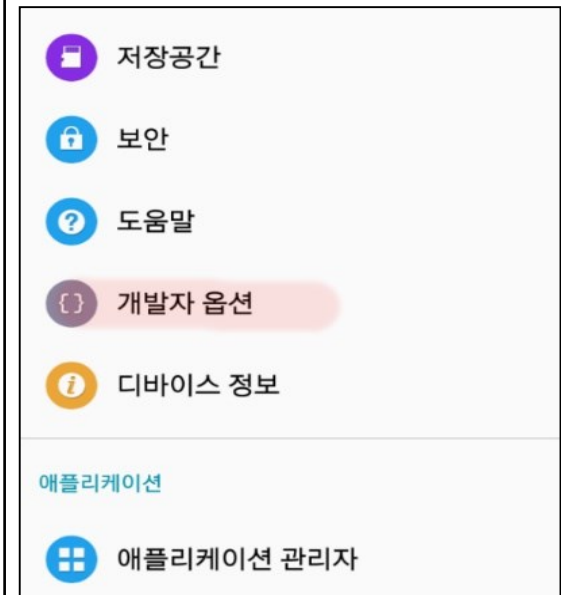


- 3) You can find "BUILD NUMBER" on that screen. Press this number several times continually. (7~10 times fast touch)

The message "개발자 모드가 실행되었습니다." will be displayed.



- 4) Tap the 'Previous Menu'. You can find '개발자 옵션' is activated

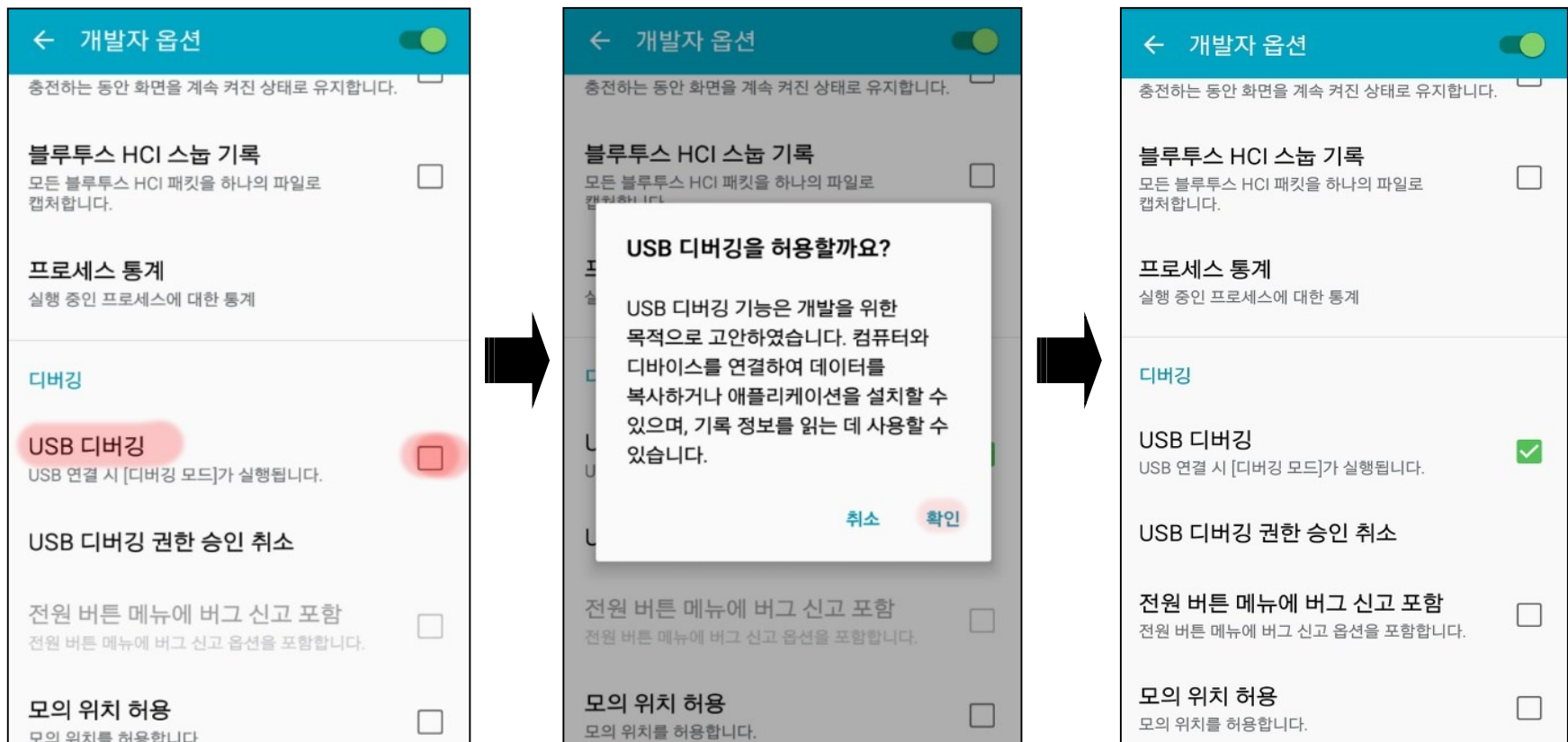


▶ Using EASYLINK Function

1. Android Phone Setting way

5) Go back to '개발자 옵션' and check '**USB 디버깅**'

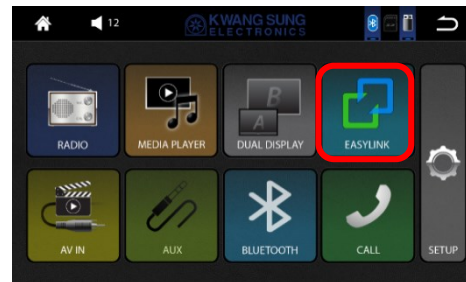
On the message "**USB 디버깅 허용할까요?**", choose "**확인**". Then, "**USB디버깅**" is checked as shown below.



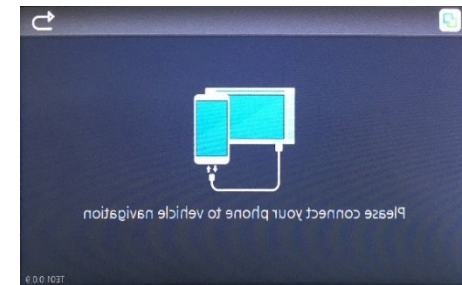
► Using EASYLINK Function

1. Android Phone Connection

1) Press the  button of product or touch the  icon on top left of the screen.



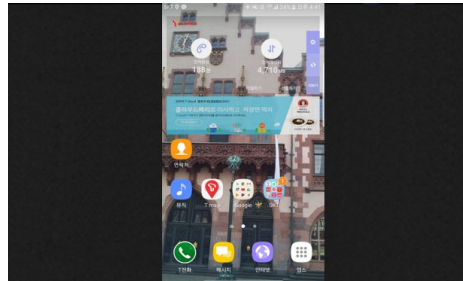
2) Pairing a smartphone on the SET
3) Touch EASYLINK button on the main screen.



4) Connect an Android Phone with USB cable.



5) As Connecting screen displays, phone is connected with SET by telecommunication

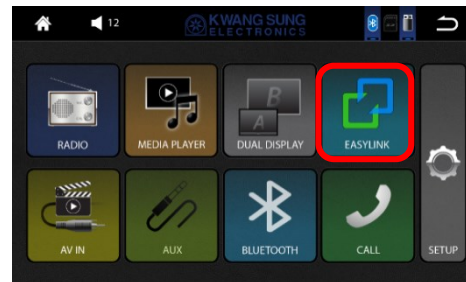


6) After success mirroring, It outputs the phone screen to the SET screen.
7) Landscape orientation is included.
it is also available, display movements, perform app actions on the LCD of the SET by touching.

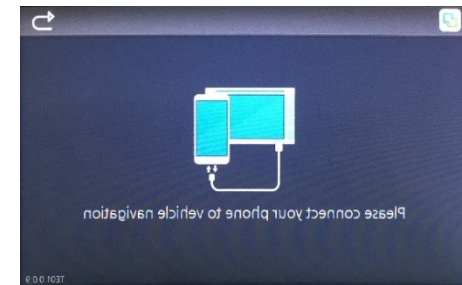
► Using EASYLINK Function

2. IPHONE Connection

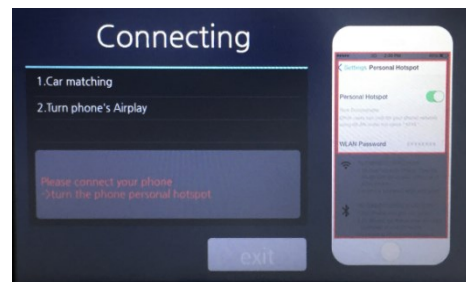
1) Press the  button of product or touch the  icon on top left of the screen.



2) Pairing a smartphone on the SET
3) Touch EASYLINK button on the main screen.



4) Connect iPhone with the SET using the USB cable.

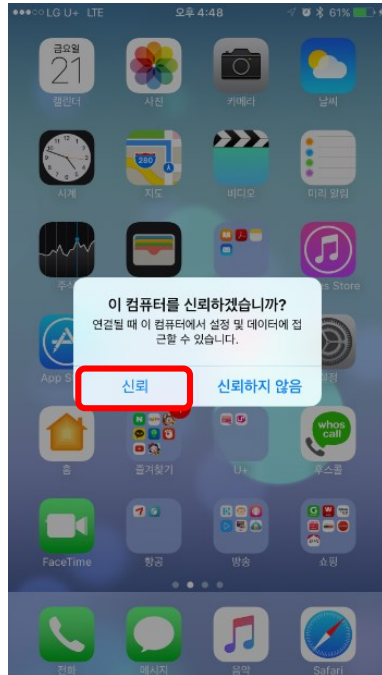


5) On the screen as shown, turn on the personal Hotspot .

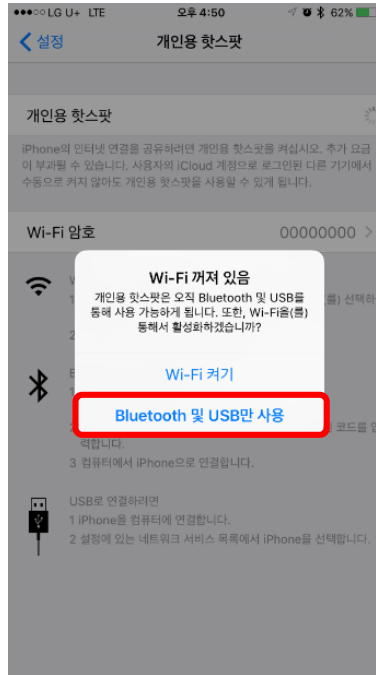
Proceed to the next page.

▶ Using EASYLINK Function

2. IPHONE Connection

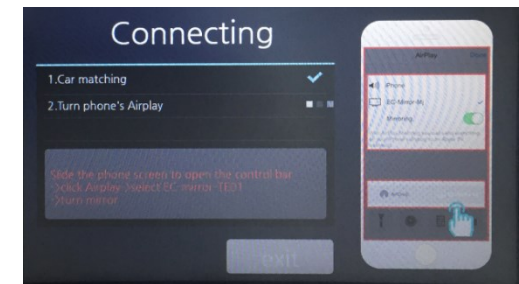


7) On the window asking 'Allow this device to access photos and videos?' as shown, choose 'ALLOW'



8) Setting → move to 'Personal Hotspot' and activate Personal Hotspot

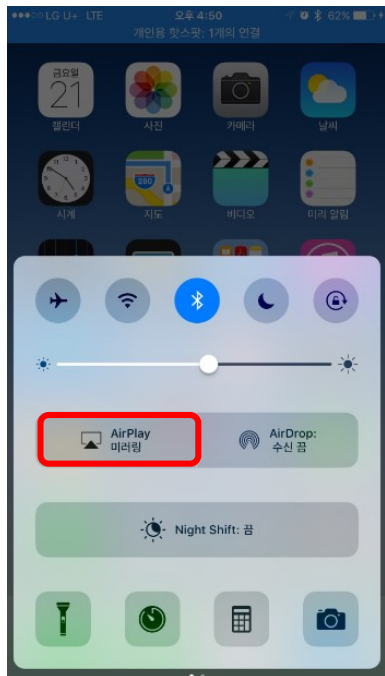
9) On the window asking 'Bluetooth is Off' as shown, choose "Wi-Fi and USB Only"



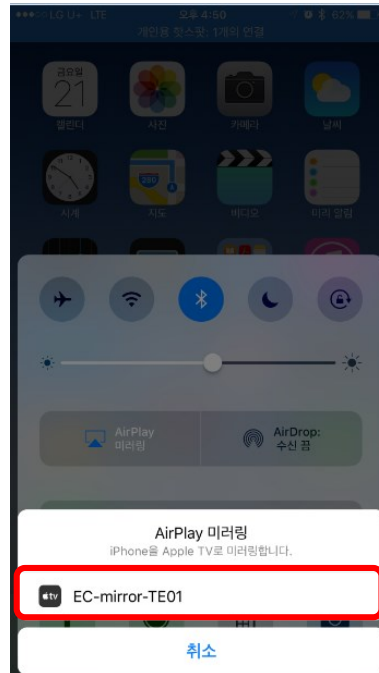
10) After connecting Hotspot, Introduction screen for AirPlay displays on the SET screen.

► Using EASYLINK Function

2. IPHONE Connection



- 11) Open Control Center. Swipe up from the bottom edge of any screen.
- 12) Choose "AirPlay Mirroring"



- 13) The screen as shown is displayed.
- 14) Choose "EC-mirror-TE01"

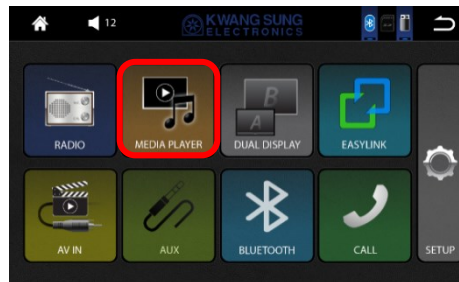


- 15) It outputs the IPHONE screen to the SET LCD by mirroring
- 16) Landscape orientation is included, and it is also available, display movements, perform app actions on the LCD of the SET by touching.

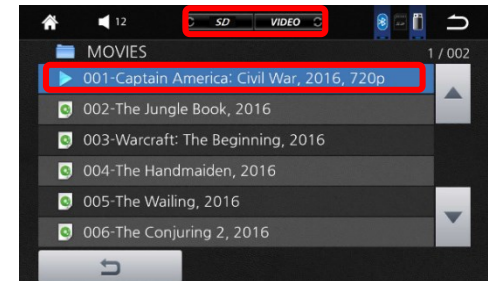
► Using DUAL DISPLAY Function

1. Using Dual Display function : Displaying video using external monitor

1) Press the  button of product or touch the  icon on top left of the screen.



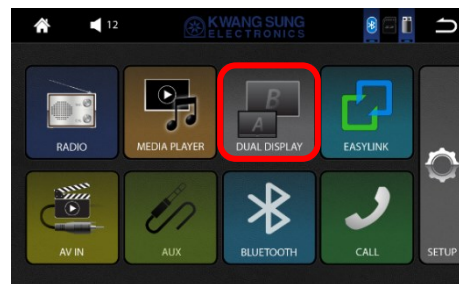
2) Touch MEDIA button on the main screen.



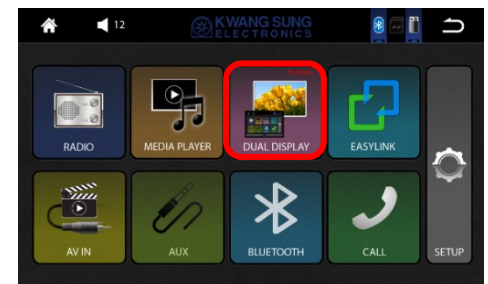
3) Move to SD Card / VIDEO mode
4) Select a VIDEO file you want to watch.



5) Video is displayed
6) If you want to go back to main screen during playing video, please press HOME key




7) Touch DUAL DISPLAY button on the main screen.

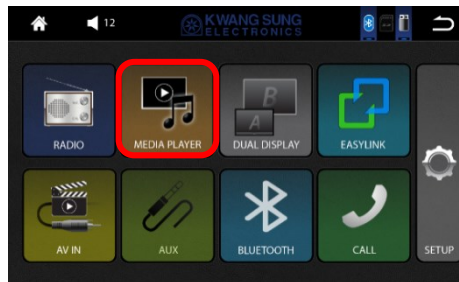


8) If you touch DUAL DISPLAY button, video is displayed activating DUAL DISPLAY icon on a external monitor connected with HDMI
 ※ Please note: displayed video by DUAL DISPLAY is only applied to MICRO SD Card.
 ※ Please use the monitor which has automatic resolution switching when you link external monitor.

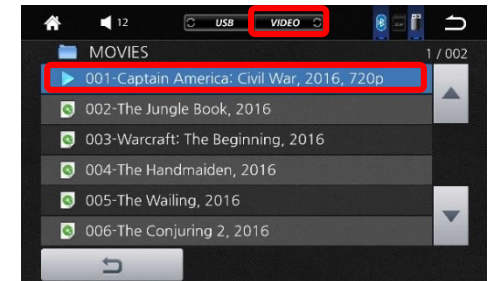
► Using DUAL DISPLAY and EASYLINK at the same time

1. Displaying video on external monitor and Using EASYLINK at the same time

1) Press the  button of product or touch the  icon on top left of the screen.



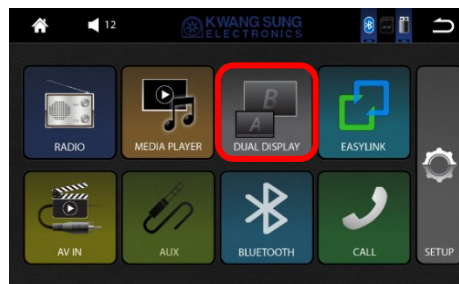
2) Touch MEDIA button on the main screen.



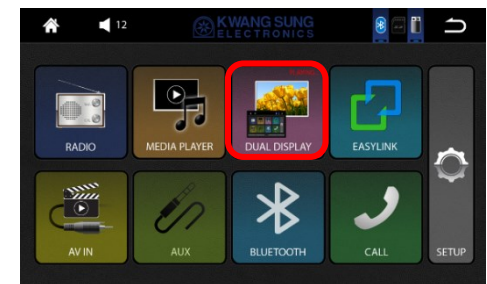
3) Move to VIDEO mode.
4) Select a VIDEO file you want to watch.



5) Video is played
6)) If you want to go main screen during playing video, please press HOME key





7) Touch DUAL DISPLAY button on the main screen.

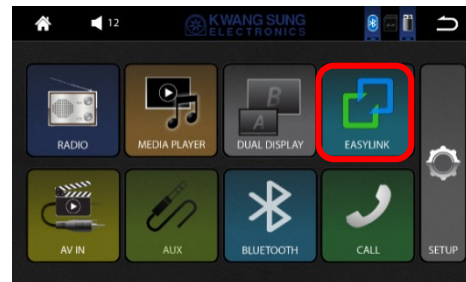


8) If you touch DUAL DISPLAY button, video is displayed activating DUAL DISPLAY icon on a external monitor connected with HDMI
 ※ Please note: displayed video by DUAL DISPLAY is only applied to MICRO SD Card.
 ※ Please use the monitor which has automatic resolution switching when you link external monitor.

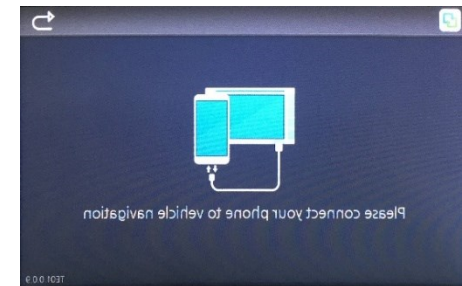
► Using DUAL DISPLAY and EASYLINK at the same time

2. Displaying video on external monitor and Using EASYLINK at the same time

1) Press the  button of product or touch the  icon on top left of the screen.

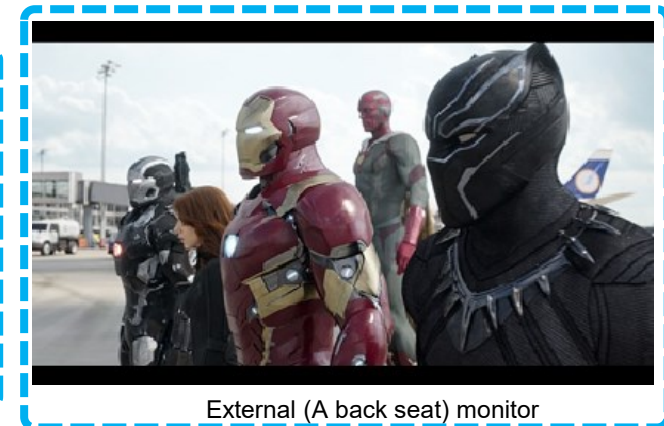


2) Pair Bluetooth phone to SET
3) Touch EASYLINK button on the main screen.





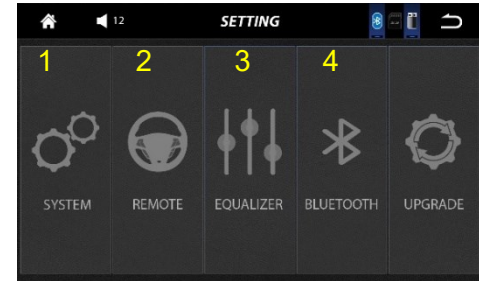
4) Link EASYLINK to the smartphone you want to use..

5) You can do two action at the same time. Watching video on External(a back seat) monitor and Using smartphone application / Navigation on the SET LCD installed on the front monitor.

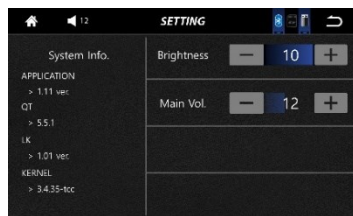


▶ System Setting

1) Press the  button of product or touch the  icon on top left of the screen.



2) Touch SETUP button on the main screen.



1. System information
Screen brightness adjustment.
Main volume adjustment.



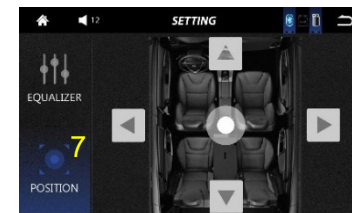
2. RDS control
(disabling)



3. Equalizer setting
LOUD ON/OFF
WOOFER setting



4. Bluetooth information



Speaker volume control in-vehicle.

► DUAL DISPLAY Update

Update Manual

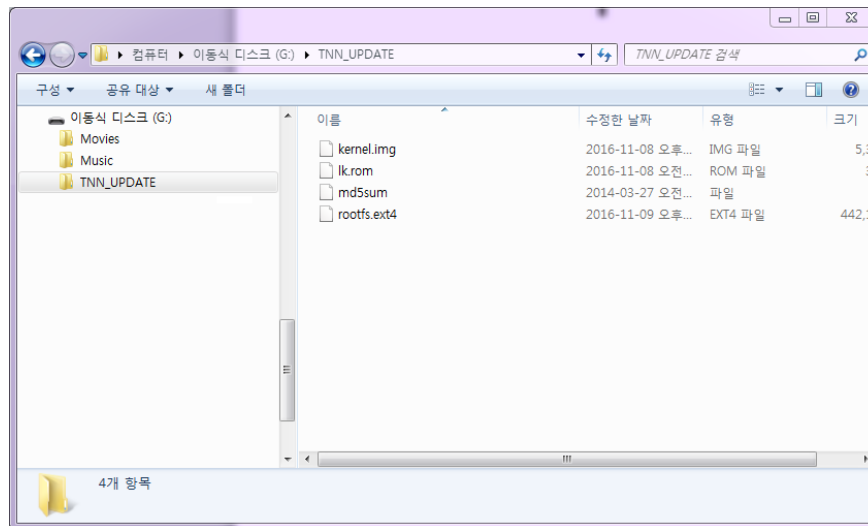
1. Update binary download

Download "TNN_UPDATE_v.#.##.zip file"
Ex) TNN_UPDATE_v.1.08.zip

2. Copy the files at a first folder of a USB / SD storage

After copying, change the folder name to "TNN_UPDATE"

3. In a portable storage device, uncompress the data in a folder has same name with compressed file as show below picture.



4. Insert the portable storage device to a slot of TNN DA.

5. Move to 'Home > Setup > UPDATE' press [Update Start] button

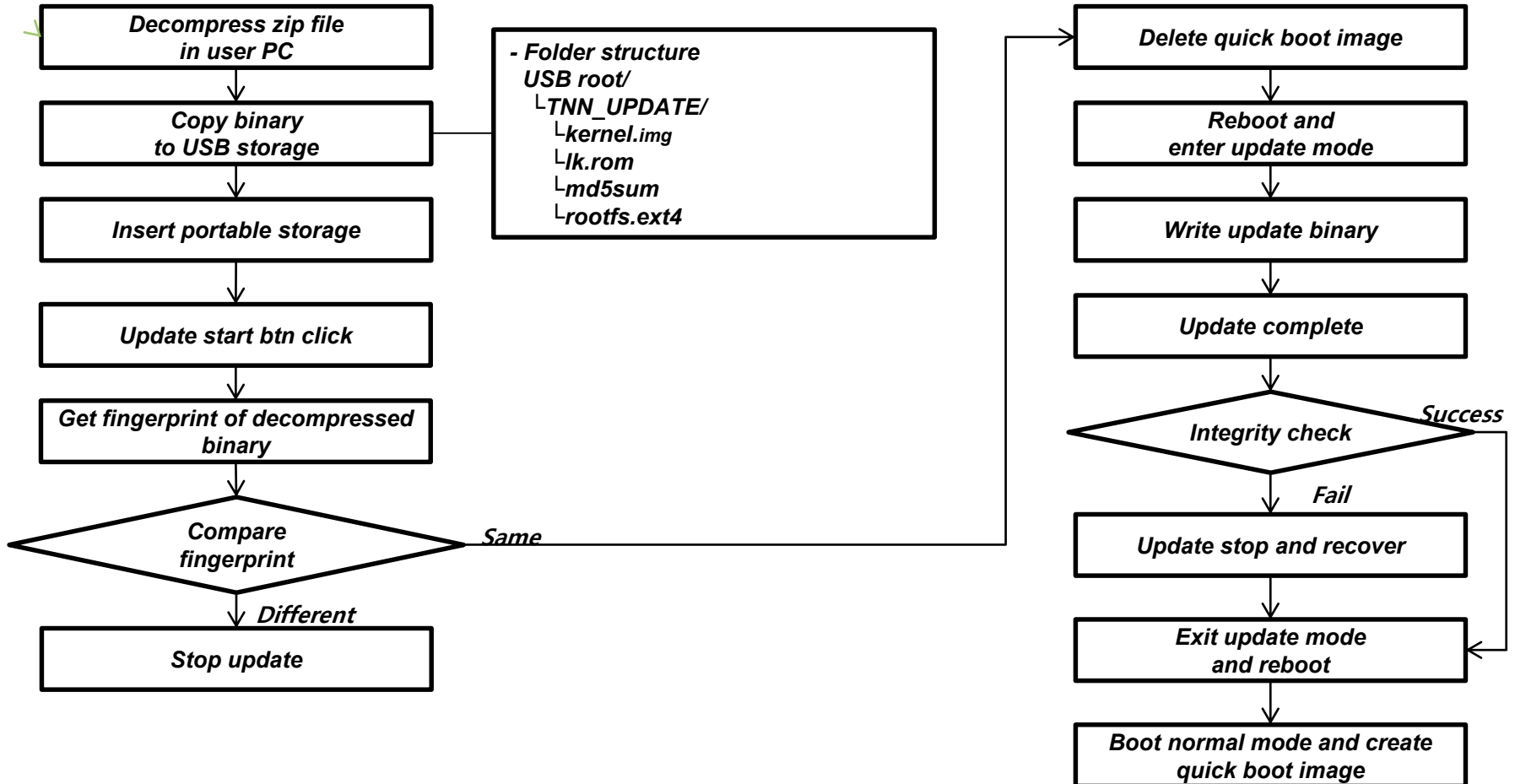
► DUAL DISPLAY Update

Update Manual

6. Compare storage data on 'Md5sum file' and fingerprints of other files, and inspect Integrity check of files.
If it doesn't contain errors, delete 'quick boot image' and restart system to enter the 'update mode'
if it contains errors, Update is canceled and 'pop up' window about failure displays..
7. Once it is rebooted, it goes to the 'update mode' automatically
8. Update is automatically proceeded. You must not turn off the power or remove the portable storage device during updating.
9. When Update is finished, inspect Integrity check of update binary
If it doesn't contain errors, ends update mode and restart system
If it contains errors, restore binary to previous version(before update) through recovery mode.
End update mode and restart system.
10. After Normal boot completion , it automatically enters into 'quick boot image formation mode'.
11. When Quick boot image formation is concluded, restart system and enter into the 'quick boot mode' so that the completion of update.

► DUAL DISPLAY Update

Update Manual



4. Contacts

Dr. James Cho

Managing Director/CTO

Mobile :+6010-215 2466

Email: james.cho@cncimotive.com

Mr. Wong Yee Mun

Sales Manager

Mobile: +6012-237 2818

Email: ym.wong@cncimotive.com



**Terima Kasih
Thank You.**

