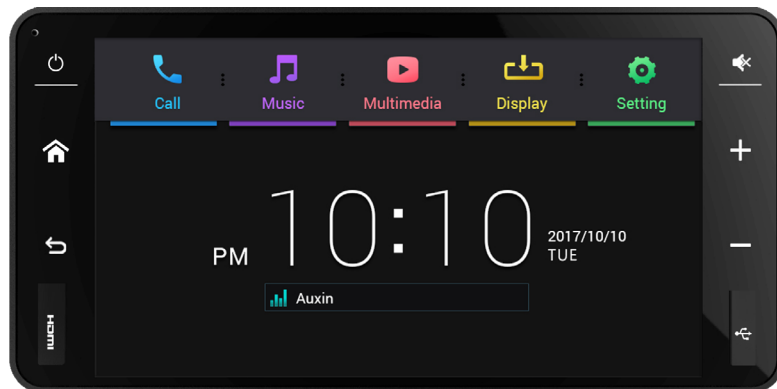


E13405
First Edition
February 2018



ASUS CarLink

Mirroring and Back Control IVI system

User Manual

English

Table of Contents

Conventions used in this guide	4
Notices	5
Safety Information and Emergency Procedures.....	6
Optional items.....	8
AM / FM radio reception behavior	9
1. Getting to know your CarLink.....	10
1.1 Panel layout.....	10
1.2 Home screen layout	11
2. Mirroring and Synchronizing control	12
2.1 Setting up display and touchscreen mirroring	12
2.2 Setting up multi-touch input	17
2.3  Navigation.....	21
2.4  Applications	22
3. CarLink app	23
3.1  Navigation.....	23
3.2  Applications	23
3.3  About.....	23

4.	Using basic functions	24
4.1	 Call	24
4.2	 Music.....	28
4.3	 Multimedia	35
4.4	 Display	37
4.5	 Settings.....	38
5.	Steering wheel controls.....	46
6.	Setting up external GPS.....	47
7.	Troubleshooting.....	48
7.1	Cannot play music from USB flash drive.....	49
7.2	Bluetooth related problems.....	49
7.3	No voice navigation in Google Maps.....	49
8.	Specifications summary	50

Conventions used in this guide



IMPORTANT! Instructions that you **MUST** follow to complete a task.



WARNING! Information to prevent injury to yourself when trying to complete a task.



NOTE: Tips and additional information to help you complete a task.

* **Before using the device, please read the manual carefully and preserve it for future use.**

Notices

Federal Communications Commission Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.



WARNING! Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Safety Information and Emergency Procedures

To prevent damage to your device and injuring yourself or others around you, please follow the rules listed below:

Please carefully read this manual before using your product. This manual provides information on how to safely use and take advantage of all the features of your product. Please follow the instructions in this manual on how to use your product.



NOTE:

- This CarLink is designed not to play videos and operate apps while the user is driving.
 - Please obey the traffic rules at all times. DO NOT watch the display panel while driving except when navigating and parking.
 - For your safety, DO NOT watch videos or operate apps while driving. Please operate the display panel only after the car stops and the parking brake is pulled.
-



WARNING!

- The CarLink is designed for vehicles with negative ground 12V DC batteries. DO NOT connect this product to other battery systems, especially 24V DC battery systems.
- Follow the following instructions when using the CarLink:
 - The CarLink is designed for use with vehicles only.
 - Set the volume to a comfortable level to avoid damage to your hearing.
 - The CarLink is not designed to be operated for long periods of time with the car engine turned off. Using the CarLink when the car engine is turned off may drain the car battery.
 - DO NOT leave the CarLink in direct sunlight or extreme temperatures for long periods of time. Doing so may cause the system to overheat, and smoke, flame, and other damages may occur.
 - DO NOT use the CarLink in moist, humid, or dusty environments. Doing so may cause the system to short-circuit, and smoke, flame, and other damages may occur. Please make sure the CarLink is not damaged by water when washing your car or during rains.
- If any of the above occurs, please stop using the CarLink immediately and turn the power the off. Please visit <http://www.unimax.com.tw/> and contact us for assistance. Failure to do so may cause harm or damage to your product.



NOTE: The CarLink will be interfered by mobile phone and radio signals. If the interference is too frequent, keep your mobile phone away from the CarLink while using the mobile phone.



IMPORTANT! DO NOT operate the CarLink while driving. Operating the CarLink while driving may distract the driver and cause severe traffic accidents. Please park the car safely before operating the CarLink.



WARNING! To prevent a flat car battery, DO NOT use the CarLink for a long period of time or charge mobile phones and tablets after the engine has been tuned off.



IMPORTANT! DO NOT disassemble and modify the CarLink. Never attempt to disassemble, reassemble, or repair the CarLink by yourself. Please refer to your retailer for repairing.



WARNING! DO NOT use the CarLink when a fault occurs. Continued use after the CarLink stops working, or when smoke and strange smells are detected may cause an electrical fire. Please stop using the CarLink and ask your retailer for help.

Optional items

If you would like to connect extra devices (such as a GPS antennas), additional cables will be required.

AM / FM radio reception behavior

FM signal is similar to light, it cannot bend but can be reflected. Unlike the AM signal, the FM signal cannot travel over a long distance above ground level. Therefore the broadcast distance of the FM signal is not as far as that of the AM signal. The weather conditions and high humidity may also cause poor reception.

Multipath reception interference

Since FM signal can be reflected, the device may receive direct signals and reflected signals at the same time which may cause delay, break or distortion of the sound. This problem also occurs when the car is near transmitter stations.

Unstable FM radio signal

Since the FM signal from the transmitter station travels in straight lines, it will be weaker in valleys, areas between high buildings, and mountain areas. When the car enters these type of areas, annoying noises may occur.

Weak and strong signal

Since the transmitter stations are further away in rural areas, the signals will be weaker. When the car enters these type of areas, the reception may drop suddenly or annoying noises may occur. When the car enters an area close to the transmitter station, the strong signals may cause the reception to drop suddenly or annoying noises may occur.

Channel deviation

When the car is traveling close to two transmitter stations with similar frequency and the signals are both strong, the currently playing channel may temporarily disappear and the second channel will start to play. At the same time, noises may occur due to the interference.

AM characteristics

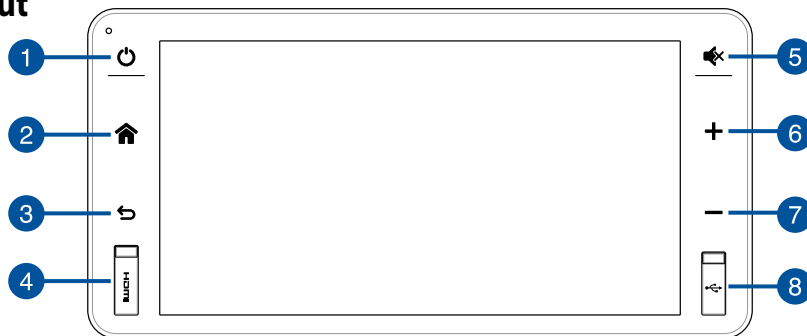
The AM signal can travel around obstacles (such as buildings and mountains) and be reflected back to the ground from the ionosphere. Therefore the receiving distance of the AM signal is longer than that of the FM signal, and the radio may receive two signals from different radio channels with the same frequency at the same time.

FM characteristics

The receiving range of the FM signal is generally within 40~50 km from the radio station. Since the sound of stereo FM needs to be divided into 2 channels by additional decoding, the broadcast range of stereo FM is smaller than that of mono FM.

1. Getting to know your CarLink

1.1 Panel layout



1 Power button

Press this button to turn the system on or off. Press this button for two (2) seconds to turn the system off. Press this button for one (1) second to turn off the display (press the power, home, or back button to turn the display back on).

2 Home button

Press this button to return to the home screen.

3 Back button

Press this button to return to the previous screen.

4 HDMI port

This port is reserved for mirroring the display and audio of iOS devices only.

5 Mute button

Press this button to enter or exit mute mode.

6 Volume up button

Press this button to turn the volume up or exit mute mode.

7 Volume down button

Press this button to turn the volume down or exit mute mode.

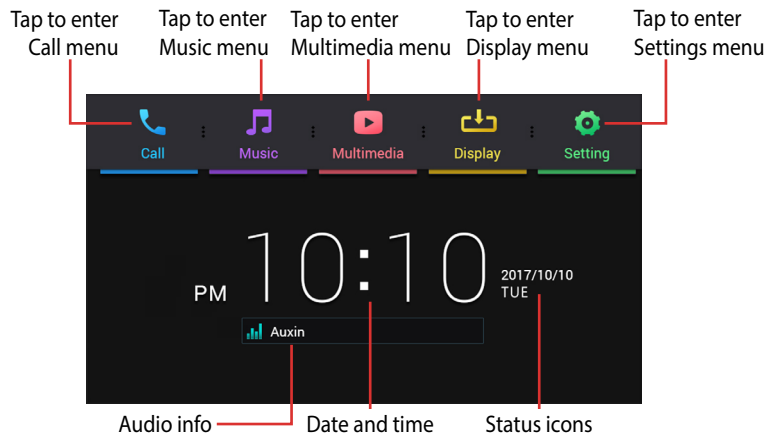
8 USB port

This port allows you to connect USB flash drives and play media files from it. You can also connect a USB cable to this port and connect your smartphone to mirror the display and touchscreen functions. Display and touchscreen mirroring support varies per model.

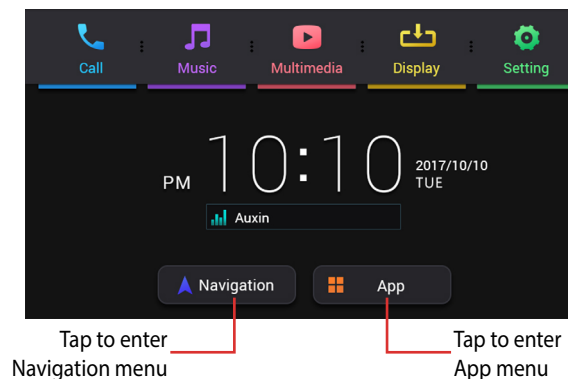
1.2 Home screen layout

The home screen will appear after you turn the system on. Tap the icons on the menu bar to enter its menu. The menu bar includes Call, Music, Multimedia, Display, and Settings menu.

Default home screen



Home screen while mirroring



Icon	Description
	Driving Restriction (icon will display when it is unlocked)
	Bluetooth device connected
	Syncing contacts

2. Mirroring and Synchronizing control

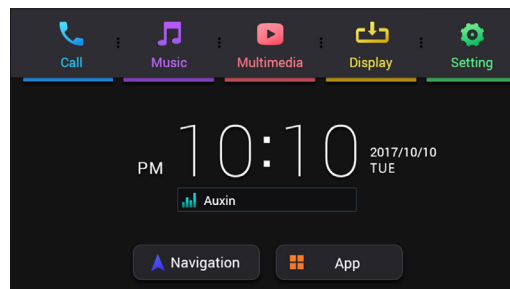
This feature allows you to mirror your display from your smartphone, and synchronize touchscreen inputs back to your smartphone. iOS devices only support display and audio mirroring through the HDMI port, touchscreen inputs are not synchronized back to your iOS devices.

2.1 Setting up display and touchscreen mirroring

1. Search for **CarLink** in the **Play Store** and install it on your smartphone.
2. Connect your smartphone to the CarLink head unit through a USB cable.
- 3a. When prompted “Open CarLink when this USB accessory is connected?” on your phone, tick “Use by default for this accessory”, then tap **Confirm**.
- 3b. When prompted “CarLink will start capturing everything that’s displayed on your screen.” on your phone, tick “Do not show again”, then tap **Start now**.
- 3c. When prompted “Complete action using CarLink” on your phone, tap **ALWAYS**. If the message “CarLink is not the default Car Dock application.” appears on the screen, tap **Agree** and the screen will be redirected to the current Car Dock application, then tap **Clear all defaults** to clear its settings
- 3d. When prompted “Drawing over other apps” on your phone, tick “Do not show again”, tap **OK** and the screen will be redirected to the settings screen, then enable this option.

NOTE: On Xiaomi devices, in addition to the steps listed above, when prompted “Display pop-up window” on your phone, tap **OK** and the screen will be redirected to the settings screen, then enable this option.

4. The home screen on CarLink will show mirroring options at the bottom. Tap **Navigation** or **Applications** to use display and touchscreen mirroring for that option.





NOTE:

- Before you can use touchscreen input mirroring, go to **Google Play** and install **CarLink**  on your smartphone.
You can also connect your smartphone to the CarLink head unit through a USB cable and follow the onscreen prompt to install the app, you will need to remove the USB cable and reconnect it again to enable touchscreen input mirroring.
 - Touchscreen input mirroring is not supported on iOS devices, therefore **CarLink** app is not available in iOS.
 - For the best user experience, use a smartphone running Android 5.0 or above and use the USB cable that came with your smartphone. If touchscreen input mirroring is not working properly, you can try using a different smartphone to test whether this feature is functioning or not.
 - Unlock your smartphone before using touchscreen input mirroring.
 - To be able to stream audio on the CarLink from your phone, pair your smartphone via Bluetooth before mirroring. If your smartphone is not paired, the CarLink will guide you in the pairing process.
 - Prioritize using the CarLink screen for touchscreen inputs, operating touchscreen inputs on the smartphone might disable touchscreen input mirroring.
 - If you encounter connection or touchscreen input mirroring issues, disconnect and reconnect the USB cable.
 - Log in to your account on your smartphone before connecting it to the CarLink. To protect your personal information, a black screen will be displayed on the CarLink and touchscreen input mirroring function will not be available before you log in to your account.
-



NOTE:

- If you encounter any problem while using touchscreen input mirroring on your smartphone, disconnect and reconnect the USB cable, uninstall and reinstall the app, or contact the app vendor for more information.
 - This feature is supported on smartphones running Android 5.0 or above. If your smartphone supports touchscreen input mirroring (Refer to *page 13*), in addition to display mirroring, you can use the touchscreen on the CarLink to mirror inputs to your smart phone after setting up Bluetooth on your smartphone and restarting touchscreen input mirroring. If your smartphone does not support touchscreen input mirroring, only the display will be mirrored. Refer to *page 37* for more details on setting up Bluetooth on your smartphone.
 - Touchscreen input mirroring is not supported on iOS devices, only display and audio mirroring via HDMI is supported. Compatible iOS devices include iPhone 5, iPhone 5S, iPhone 6, iPhone 6 Plus, iPhone 6S, iPhone 6S Plus, iPhone SE, iPhone 7, iPhone 7 Plus, iPad Air, iPad Mini, and iPad Mini 4.
 - During mirroring, press the home button on the CarLink to return to the CarLink home screen, or press the home button on your smartphone to return to the most recent screen in the CarLink app.
 - During mirroring, touchscreen input experience on the CarLink touchscreen may vary to that on the smartphone.
 - If touchscreen input mirroring fails, try updating your smartphone to the latest firmware. Touchscreen input mirroring may not be supported on some smartphones due to software variation across different manufacturers. Please refer to the Touchscreen mirroring compatible smartphones table for more information. If your smartphone supports touchscreen input mirroring and is already updated to the latest firmware but still fails to mirror touchscreen inputs, contact your smartphone manufacturer for more assistance.
 - Refer to *page 21* for more information on the CarLink app.
-

Touchscreen mirroring compatible smartphones (single touch input)

Manufacturer	Model	Android version	Display mirroring	Touchscreen mirroring
ASUS	ZenFone 2 (ZE551ML)-32GB	5.0	Supported	Supported
	ZenFone 3 5.2" (ZE520KL)-64GB (FW 13.20.10.137 or above)	6.0	Supported	Supported
	ZenFone 3 5.5" (ZE552KL)-64GB (FW 13.20.10.137 or above)	6.0	Supported	Supported
	ZenFone ZOOM (ZX551ML)-64G	5.0	Supported	Supported
	ZenFone Selfie	5.0	Supported	Supported
	ZenFone Laser	5.0	Supported	Supported
Google	Nexus 7	5.1	Supported	Supported
HTC	Desire 8	5.0	Supported	Supported
	One M8	6.0	Supported	Supported
	One M9	6.0	Supported	Supported
	One A9	6.0	Supported	Supported
	10	7.0	Supported	Not supported
	Desire 10 Pro	7.0	Supported	Supported
HUAWEI	P8	5.0	Supported	Supported
	P9 Plus	6.0	Supported	Supported
	GR5 2017	6.0	Supported	Supported

continued on next page

Manufacturer	Model	Android version	Display mirroring	Touchscreen mirroring
LG	G3 (D855)	5.0	Supported	Supported
	G4	6.0	Supported	Supported
	G5	6.0	Supported	Supported
Xiaomi	Mi5	6.0	Supported	Not supported
OPPO	F1	5.1	Supported	Supported
	R9s	6.0	Supported	Not supported
SAMSUNG	Galaxy S4	5.0	Supported	Supported
	GALAXY S5 16G (G900I)	5.0	Supported	Supported
	GALAXY Note 5	5.1	Supported	Supported
	GALAXY S6	5.1	Supported	Supported
	GALAXY S7 32G	7.0	Supported	Not supported
Sony	Xperia Z3	5.1	Supported	Supported
	Xperia Z5	5.1	Supported	Supported
	Xperia X Performance	7.0	Supported	Supported
	Xperia X Compact	7.0	Supported	Supported

* The smartphones listed in the table has been tested and passed. If your smartphone is not listed, this simply means that it has not been tested and does not mean it is not supported.

** Support for the smartphones might change with smartphone firmware updates.

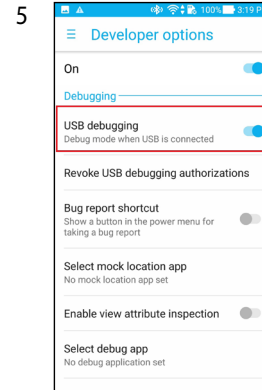
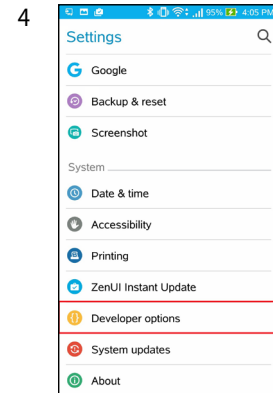
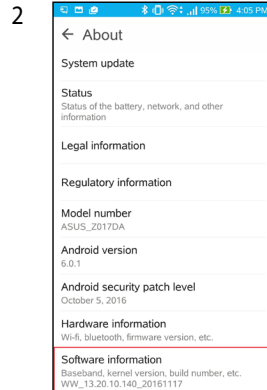
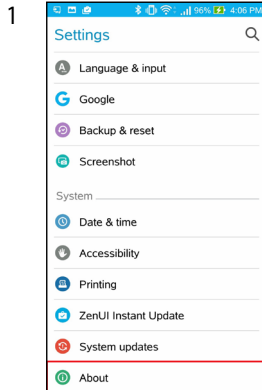
2.2 Setting up multi-touch input

To set up multi-touch input support, follow the steps below, contact your smartphone manufacturer if you need help:

1. Settings > About > Software information > Build number (tap a few times) > Settings > Additional settings (on Xiaomi devices) > Developer options > USB debugging > Complete.
2. Connect the smartphone with a USB cable to the CarLink, when prompted “Allow USB debugging?”, tap **OK** within ten (10) seconds.



NOTE: The screenshots are for reference only.



Touchscreen mirroring compatible smartphones (multi-touch input)

Manufacturer	Model	Android version	Display mirroring	Multi-touch mirroring
ASUS	ZenFone 2 (ZE550ML)-16GB	5.0	Supported	Supported
	ZenFone 2 Laser (ZE500CL)-16GB	5.0.1	Supported	Supported
	ZenFone 2 Laser (ZE601KL)-32GB	6.0.1	Supported	Supported
	ZenFone 3 5.5"(ZE552KL)-64GB	6.0.1	Supported	Supported
	ZenFone Selfie (ZD551KL)-16GB	6.0.1	Supported	Supported
	ZenFone ZOOM (ZX551ML)-64G	5.0	Supported	Supported
Google	Nexus 5X	7.1.2	Supported	Supported
	Nexus 6	7.0	Supported	Supported
HTC	One A9	6.0.1	Supported	Supported
	Desire 820s	5.0.2	Supported	Supported
	One E9+	5.0.2	Supported	Supported
	Desire 10 pro	6.0	Supported	Supported
HUAWEI	P8	5.0.1	Supported	Supported
	P9 lite	6.0	Supported	Supported
	P9+	7.0	Supported	Supported

continued on next page

Manufacturer	Model	Android version	Display mirroring	Multi-touch mirroring
HUAWEI	GR5 2017	6.0	Supported	Supported
	Mate 9	7.0	Supported	Supported
LG	G3 (D855)	5.0	Supported	Supported
	G4	6.0	Supported	Supported
	G5	7.0	Supported	Supported
	V10(H962) 64GB	5.1	Supported	Supported
	X Style (K200DSK)	6.0.1	Supported	Supported
MEIZU	m2 note	5.1	Supported	Supported
MI	Redmi Note 3	5.1.1	Supported	Supported
	5S	6.0.1	Supported	Supported
Nextbit	Robin	7.1.1	Supported	Supported
OPPO	A57	7.1.1	Supported	Supported
	R9s	6.0.1	Supported	Supported
SAMSUNG	Galaxy A5(2016) 16GB	5..1.1	Supported	Supported
	Galaxy J7(2016)	6.0.1	Supported	Supported
	Galaxy J2 Prime	6.0.1	Supported	Supported

continued on next page

Manufacturer	Model	Android version	Display mirroring	Multi-touch mirroring
SAMSUNG	Galaxy Note 3	5.0	Supported	Supported
	Galaxy Note 5	6.0.1	Supported	Supported
	Galaxy S6 32G (G9208)	6.0.1	Supported	Supported
	Galaxy S7 32G	7.0	Supported	Supported
	GalaxyS7 Edge 32G	7.0	Supported	Supported
Sony	Xperia X Compact	7.0	Supported	Supported
Sony	Sony Xperia C5 Ultra	5.1	Supported	Supported
Sony	Xperia X 32GB	7.0	Supported	Supported
Sony	Xperia X Performance	7.1.1	Supported	Supported
Sony	Xperia Z5 Premium	6.0.1	Supported	Supported

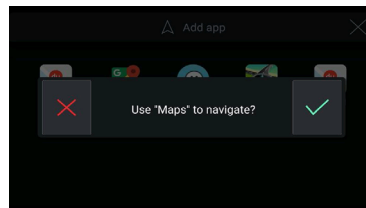
* **The smartphones listed in the table has been tested and passed. If your smartphone is not listed, this simply means that it has not been tested and does not mean it is not supported.**

** **Support for the smartphones might change with smartphone firmware updates.**

2.3 Navigation

When using this feature for the first time, tap  to enter navigation settings.

1. When prompted, tap .
2. Tap **Add new navigation app to list**, then select an app and tap **YES**.
3. After the pop-up message appears, the setup process will be complete. The next time you use this feature, the selected navigation app will be launched.



NOTE:

- For your safety, driving mode will be enabled when mirroring. Voice navigation might be disabled when using Google maps under this mode. Contact the app vendor for more information
 - If an external GNSS receiver is not installed, the GPS information from your smartphone will be used while navigating. If you encounter a problem with the GPS signals, contact your smartphone manufacturer for more information.
 - To change the default navigation app, refer to *page 21* for more information.
-

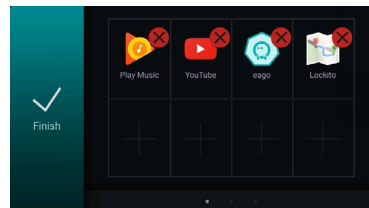
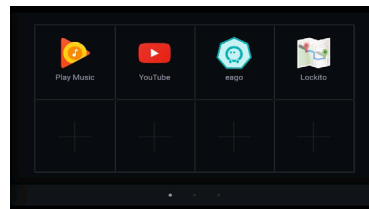
2.4 Applications

Tap  to enter application settings.

1. To add an app shortcut: tap the + icon in an empty slot, then choose an app to add it to that slot.
2. To delete an app shortcut: tap and hold to enter editing mode, then tap the X icon on an app to delete it.



NOTE: A shortcut can be created for app on your smartphone. Maximum 3 pages (24 apps).



3. CarLink app

The CarLink app is specially designed for the CarLink system and can only be fully utilized when your smartphone is connected to the CarLink. When your smartphone is not connected to the CarLink, you can still use the app to edit preferences and app shortcuts.



NOTE: For a better user experience, set **CarLink** as the default app for Car Dock apps. If you already have another Car Dock app set up, tap **Agree** and the system will redirect you to the default apps screen, tap **Clear all defaults** to continue.

3.1 Navigation

You can add or change the default navigation app in this menu.

3.2 Applications

You can add or delete app shortcuts in this menu.



NOTE:

- Entering app editing mode by tapping and holding is not available in the CarLink app.
 - You can only add or delete app shortcuts in the CarLink app. Apps cannot be launched by the app shortcuts in the CarLink app.
-

3.3 About

This menu allows you to view the features, current version, and terms and conditions.



NOTE: The CarLink app will automatically check for updates. If a new update is available, a download button will appear at the bottom.

4. Using basic functions

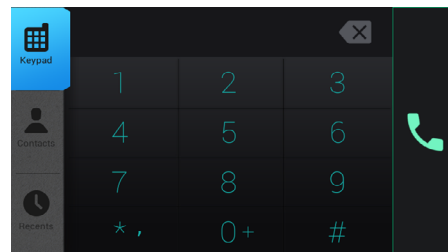
4.1 Call

From the home screen, tap  to enter the Call menu. You can also make hands-free phone calls in this menu.



NOTE:

- You will have to connect your phone with head unit via Bluetooth first before you can enter the Call menu.
- The Call menu only supports 2G / 3G / 4G voice calls, voice calling apps (such as Line, Facebook, and Skype) are not supported.

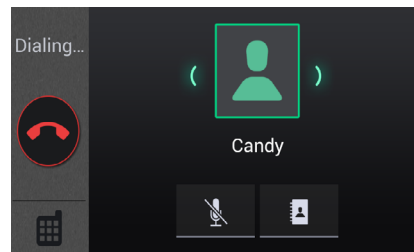


Making a phone call

Tap your contact details, or enter the number you wish to call and tap the green call icon to make the call.



NOTE: The physical Home and Back buttons are not available in this screen.



Answering calls

- When you receive a call, tap  to answer or tap  to reject the call.
- When you receive a call, tap  to mute the incoming call (this will not decline the call). This will only affect that particular call, there is no need to tap  to unmute other future calls.



NOTE: The physical Home and Back buttons are not available in this screen.

Managing calls

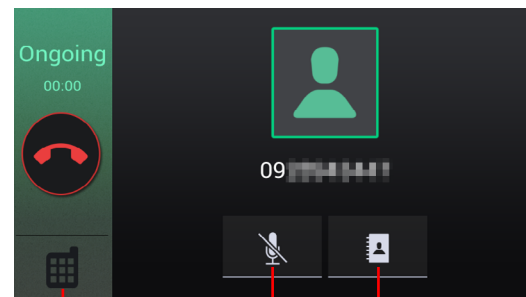
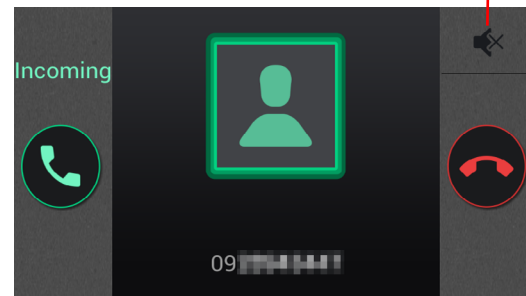
During a call, tap the  to display the onscreen keypad, or tap  to hang up the call.



NOTE:

- Audio will come from the iOS device when answering phone calls on it. To change the audio source, tap **Audio** on the iOS device during a phone call, then select **CarLink**.
- The physical Home and Back buttons are not available in this screen.

Mute or unmute



Display the
onscreen keypad

Turn the microphone
on or off

Open the
contacts page

Syncing contacts

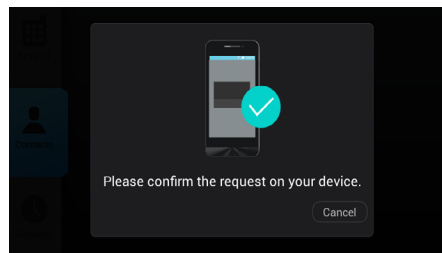
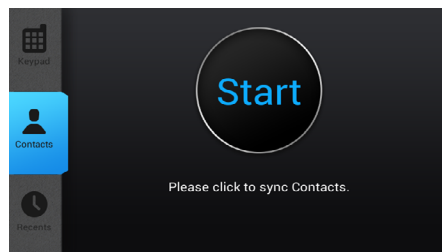
Follow the steps below to sync contacts from your phone to CarLink:

1. Tap **Contacts**.
2. Tap **Start** to prepare syncing.
3. Confirm the request on your phone to complete.



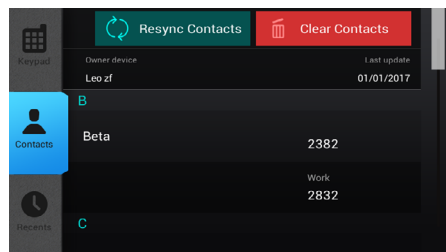
NOTE:

- If you did not confirm the request on your phone after thirty (30) seconds, the process will terminate. Please repeat step 2 to sync again.
- Some contact information might be lost when syncing and playing audio using Bluetooth at the same time.
- Sync time will vary depending on the number of contacts.



Delete / Resync contacts

On the contacts page, scroll down and the **Resync Contacts** and **Clear contacts** options will appear.

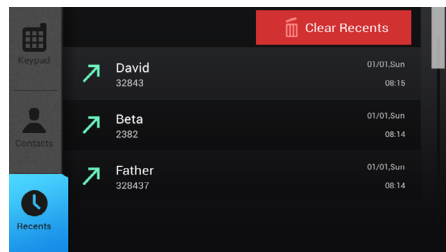
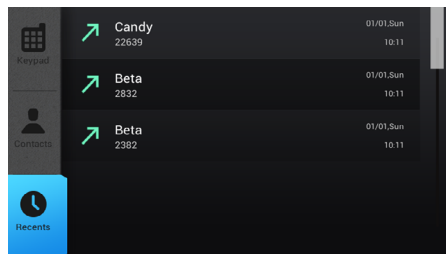


Recents

Tap on the call history to redial that number. Scroll down and the **Clear Recents** option will appear.



NOTE: The thirty (30) most recent call histories will be stored.



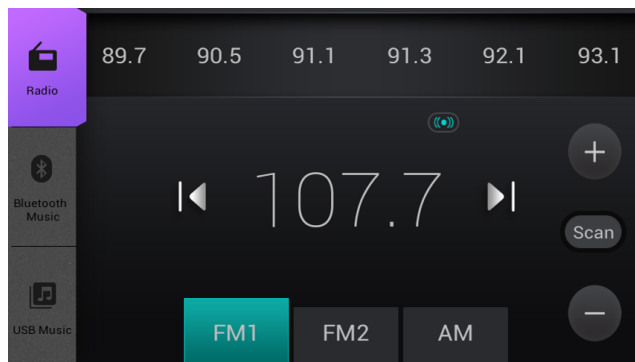
4.2 Music

From the home screen, tap the  to enter the Music menu. You can listen to the radio, music in your USB flash drive, or music in your paired Bluetooth device.

Radio

You can listen to the radio in this mode and switch between FM1, FM2, or AM stations.

1. Tap  to search for a channel upwards, or tap  to search for a channel downwards.
2. Tap  or  to manually tune the radio, press and hold to tune rapidly.
3. Tap  to search for a station automatically.
4. Tap  to add the current station to your favorites bar.
5. Tap and hold a station from the favorites bar to delete it.



NOTE:

- Tap **Stop** or press the back button to stop the scan and return to the initial screen.
- After scanning, the system will automatically save the six (6) stations with the strongest signals to the favorites bar.

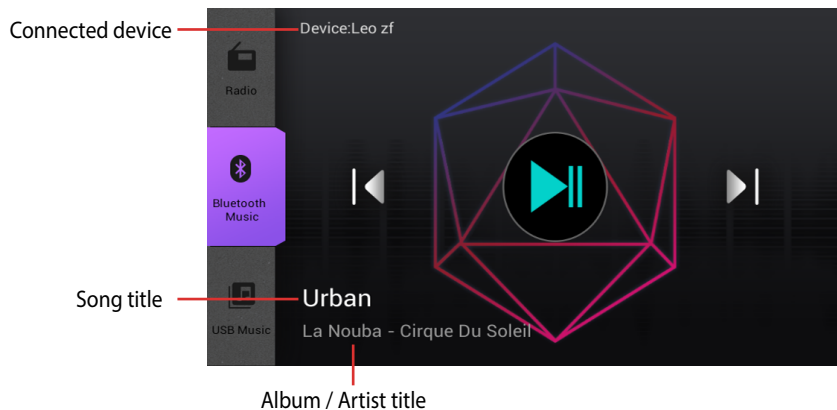
Bluetooth Music

In this mode, you can pair your smartphone to CarLink and play music from your smartphone via the car speakers.



NOTE:

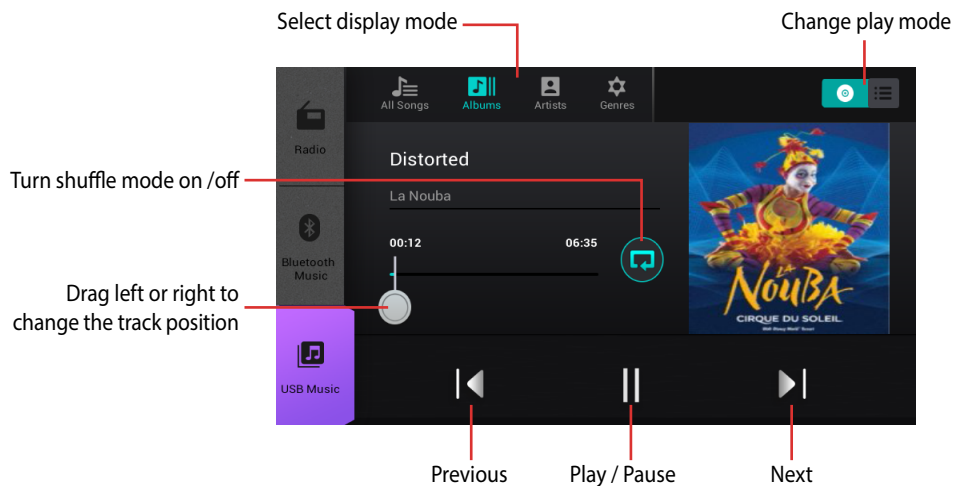
- To play music via Bluetooth, ensure that the music app is launched on your smartphone.
- Use the default music player app (such as Google Play Music or Apple Music) to display song details.



USB Music

In this mode, you can connect your USB flash drive to CarLink and play .mp3 music files.

1. Select a play mode (Play mode or List mode).
2. Select a display mode (All Songs, Albums, Artist, or Genres).
3. Tap **Play All** or tap any song to start playing.



NOTE: Album cover art support will depend on the .mp3 files.

What's MP3?

MP3 (MPEG Audio Layer-3) is a digital audio signal compression format developed by MPEG (Motion Picture Experts Group).

* MP3 audio encoding technology is authorized by Fraunhofer IIS and Thomson company.

Keys on creating MP3

- Use high bit rate and sampling rate to get high quality audio effects.
- VBR (Variable Bit Rate) may cause abnormal display of the playing time and audio pause. Using VBR is not recommended.
- The quality of the audio may vary depending on the encoding. Please refer to the manuals of the encoding and burning softwares.



NOTE:

- This device does not support MP3 encoding programs.
 - MP3 files downloaded from different sources use different encoding softwares, therefore the playback quality (such as volume, noise, and so on) will vary.
-

MP3:

- Set the bit rate to 128 kbps above or fixed.
- MP3 files with VBR (Variable Bit Rate) can be played, but complete support is not guaranteed. Using VBR is not recommended.

File folders selection order / files playing order

Maximum USB media files / file folders

- Maximum files: 10000
- Maximum file folders: 8



NOTE: Decrease the number of files, folders, and depth of the folders to shorten the access time.

Notes on using USB Flash Drives

To use a USB flash drive with media files:

- Save MP3 files to the USB flash drive only.
- The following problems may occur if the file formats in the USB device are not supported:
 - Slow access speed.
 - Abnormal playback sequence or failing to play some songs.
- The name of the files should follow the naming rules of FAT16/FAT32 and the file system.
- DO NOT use a USB extension cable, this may cause malfunction under USB mode.

Supported USB media devices

- A USB flash drive that conforms with the USB 2.0/3.0 standard.
- Card reader, hard drive, and USB Hub are not supported.
- USB device with files other than .mp3 files that are converted with Apple iTunes or Sony Sonicstage are not supported.
- Maximum storage size: 2GB for FAT16, 32GB for FAT32. Using USB flash drives with a capacity more than the recommended maximum storage size may cause difficulty in reading the files and affect the CarLink.
- Maximum single file size: 2GB for FAT16, 4GB for FAT32.

Limitation to USB media devices

- Use the USB media device in environments with ambient temperatures between -5°C and 70°C.
- Shorten access time by decreasing the number of files, folders, and depth of the folders.
- If there is a long access time, format the USB flash drive and copy the files to it again.
- The USB flash drive might be damaged if you start the engine while the device is installed.
- The player cannot recognize encoded MP3 files.
- Use FAT16/32 format USB flash drives only, exFAT format is not supported.
- USB flash drives without USB IF certification might not be recognized.
- USB flash memory devices such as CF, SD, microSD or external hard drives cannot be recognized.
- Music files that are protected by DRM (DIGITAL RIGHTS MANAGEMENT) cannot be recognized.

Supported USB flash drives

The USB flash drives in the table below has been tested with CarLink and passed. If your USB flash drive is not listed, this simply means that it has not been tested and does not mean it is not supported.

Model	Result
ADATA UC350 64GB	Pass
APACER AH450 32GB	Pass
CORSAIR VOYAGER GTX 128GB	Pass
Kingston HSX3 128GB	Pass
Kingston DTDUO3C 32GB	Pass
LEXAR-S33 32GB	Pass
PATRIOT SUPERSONIC MAGNUM 256GB	Pass
PNY TURBO PLUS 128GB	Pass
PNY UCD20 32GB	Pass
SILICON POWER-MARVEL M60 64GB	Pass

Model	Result
SONY USM32CA1 32GB	Pass
SUPERTALENT EXPRESS RC4 128GB	Pass
Sandisk SDCZ88 128GB	Pass
TEAM T132 64GB	Pass



NOTE:

- Supported video formats: .mp4 .mkv .webm .3gp
- Supported photo formats: .jpg .gif .png .bmp .webp
- Please refer to *page 49* for more details.

4.3 Multimedia

From the home screen, tap  to enter the Multimedia menu. You can watch videos or photos in this menu.

Video

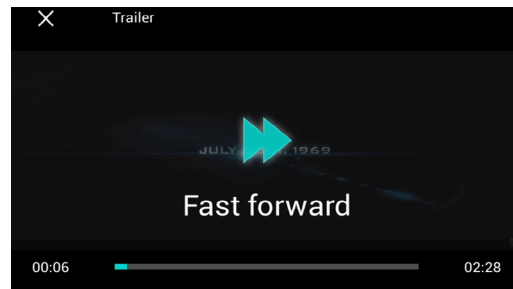
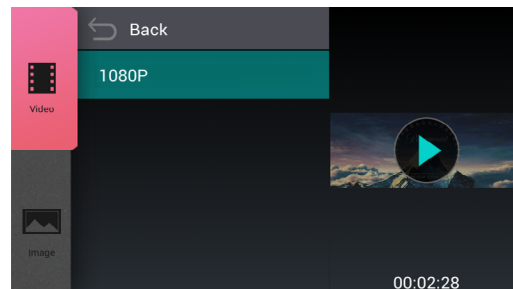
You can watch videos in this mode.

1. Tap on a video file to play that video.
2. Tap  to pause the video, or tap  to resume playing.
3. In the touch area, swipe left or right to fast forward or rewind (at x4 speed).
4. Drag the progress bar left or right to quickly move to a specific point.
5. Press the back button to stop the video and return to the folder list.



NOTE:

- If a video has been previously played but not finished, the player will automatically return to the exact point where you left off.
- Exiting the video playback screen will also stop audio output.





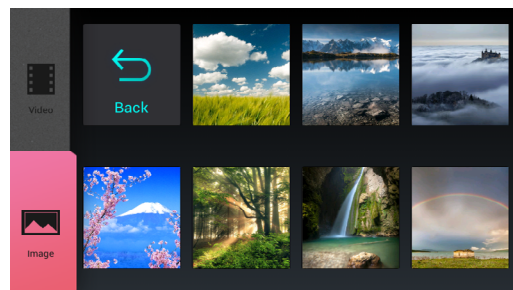
Image

You can view photos in this mode.

1. Tap on a folder or photo to view that photo.
2. Tap  or  to view the next or previous photo. You can also swipe left or right on the screen to change photos.
3. Tap **X** or press the back button to return to the folder list.



NOTE: Audio streaming (such as radio or music playback) will not be affected while viewing photos.



4.4 Display

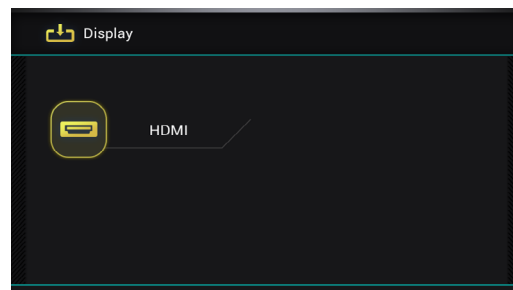
From the home screen, tap  to enter the Display menu.

HDMI

This port is reserved for mirroring the display and audio of iOS devices only.



NOTE: When you disconnect the HDMI cable, audio will continue playing from the CarLink if you have paired your smartphone to the CarLink via Bluetooth.



4.5 Settings

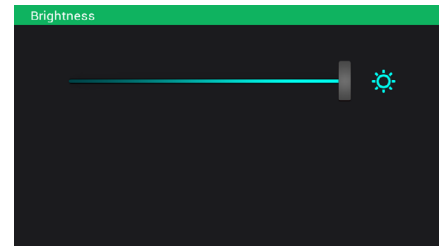
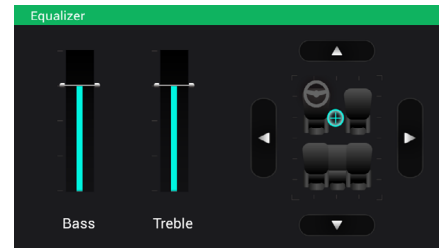
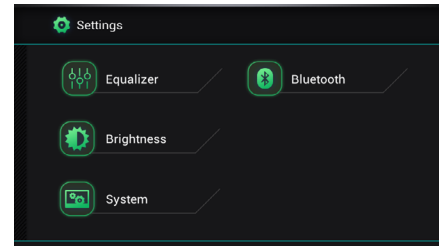
From the home screen, tap  to enter the Settings menu. You can configure the Equalizer, Brightness, Bluetooth connection, and System settings in this menu.

Equalizer

This menu allows you to adjust the **Treble**, **Bass**, **Balance** (left / right) and **Fade** (front / back).

Brightness

Drag the slider left or right to adjust the screen brightness.



Bluetooth connection

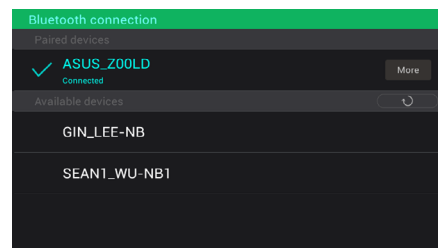
CarLink supports Bluetooth and you can pair your smartphone to make hands-free phone calls and play music from your smartphone.

Pairing for the first time (when not under mirroring)

1. Enter the **Bluetooth connection** menu and the system will automatically search for nearby available devices. If the search icon stops and your device is still not discovered, tap **Search** to start search again.

NOTE: When using an iOS or Android 6.0 or above smartphone, enter the Bluetooth settings screen on your smartphone to allow the CarLink to discovery it.

2. Tap the smartphone you want to pair, and tap **Agree** when prompted on your smartphone. Do not close the pairing screen or lock your smartphone before the pairing process is complete. If the prompt screen does not appear on your Android smartphone, drag the notification panel down from the top of the screen and tap the pairing information.
3. After pairing, the name of your smartphone will be displayed as **Paired Device** on the list.
4. If you want to disconnect a smartphone, tap the name of the smartphone, then tap  on the pop-up window. To reconnect, tap the name of the disconnected smartphone.
5. If you want to unpair a smartphone, tap **More** next to the name of the smartphone, tap **Forget this device**, then tap  on the pop-up window. To pair the smartphone again, repeat the above steps 1 and 2.
6. After setting up the Bluetooth connection, your smartphone will automatically connect to your CarLink whenever it is in range.





NOTE:

- When pairing your smartphone, keep the pairing screen open and your screen turned on to let CarLink detect and pair with your smartphone.
 - If the pairing prompt does not appear on your smartphone during pairing, clear the list of paired Bluetooth devices on your smartphone and try again.
 - Bluetooth pairing speed will vary across different smartphone manufacturers, please wait at least three (3) seconds for the pairing process to complete before operating the CarLink. During mirroring mode, if the pairing screen prompts "Waiting... Confirm the request on your device.", please tap **Agree** on your smartphone to complete the pairing process.
 - If the pairing process fails or cannot pair, try turning Bluetooth on your smartphone **OFF** and **ON** again. If the pairing process still fails, try rebooting the CarLink and try again.
 - Unpair the current smartphone to allow the CarLink to pair with a new smartphone via Bluetooth.
 - The CarLink will not automatically reconnect if Bluetooth on the smartphone is turned **OFF** and **ON** again.
 - In rare occasions, your smartphone might not receive a Bluetooth pairing request due to smartphone behavior. When not in mirroring mode, search and pair your smartphone again. Under mirroring mode, disconnect and reconnect the USB cable.
-



NOTE:

- The available device list will be cleared when the pairing process fails in the following scenarios:
 - The smartphone did not receive the pairing request from the CarLink and the pairing timed out.
 - The smartphone received the pairing request from the CarLink, but **Cancel** was selected on the smartphone.
 - The smartphone received the pairing request from the CarLink, but no action was taken.
 - The smartphone received the pairing request from the CarLink, but the smartphone screen is turned off or locked.
 - If no sound can be heard from the car speakers after pairing, try adjusting the volume to the maximum on your smartphone.
 - Searching for available devices while streaming audio via Bluetooth may cause stutters or the search process to fail.
 - Your voice may become distorted when using Bluetooth microphones to send voice commands to your smartphone, this may cause voice assistants (such as Siri or Google now) to fail to understand the command.
 - If your smartphone supports mirroring and is connected to the CarLink with a cable, the smartphone will automatically perform Bluetooth pairing and connect. Please refer to *page 10* for more details.
-

Bluetooth compatible smartphones

Manufacturer	Model	OS	Ver.	Search	Pairing	Connection	Automatic connection		Contacts	Incoming calls		Dialing calls	Ongoing calls		Bluetooth music			
				CarLink search	CarLink pairing	CarLink connection	Engine start (ACC ON)	Power on button	Import	Accept	Reject	Keypad/contacts	Hangup	Ext.	Tracks	Play/Pause	Prev.	Next
APPLE	iPhone 4	iOS	7.1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	iPhone 5	iOS	7.1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	iPhone 5S	iOS	7.1.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	iPhone 5S	iOS	8.0.0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	iPhone 6	iOS	8.1.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	iPhone 6 Plus	iOS	8.1.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	iPhone 7	iOS	10.1.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
ASUS	PadFone 1	Android	4.1.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	PadFone 2	Android	4.1.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	PadFone E	Android	4.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	PadFone infinity	Android	4.1.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	PadFone Mini	Android	4.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	ZenFone 2	Android	5.0.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	ZenFone 3 5.2"	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	ZenFone 3 5.5"	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	ZenFone 4	Android	7.1.1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	ZenFone 5	Android	4.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Google	ZenFone 6	Android	4.4.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Nexus S	Android	4.1.2	○	○	○	○	○	○	○	○	○	○	○	×	○	○	○
	Nexus 7	Android	5.1	○	○	○	○	○	○	○	○	○	○	○	×	○	○	○
inFocus	in810	Android	4.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

continued on next page

Manufacturer	Model	OS	Ver.	Search	Pairing	Connection	Automatic connection		Contacts	Incoming calls		Dialing calls	Ongoing calls		Bluetooth music			
				CarLink search	CarLink pairing	CarLink connection	Engine start (ACC ON)	Power on button	Import	Accept	Reject	Keypad/contacts	Hangup	Ext.	Tracks	Play/Pause	Prev.	Next
MI	Xiaomi 2S	Android	4.1.1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Xiaomi 5	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Redmi	Android	4.4.2	○	○	○	○	○	○	○	○	○	○	○	×	○	○	○
	Redmi Note4G	Android	4.4.4	○	○	○	○	○	○	○	○	○	○	○	×	○	○	○
	Redmi 2	Android	4.4.4	○	○	○	○	○	○	○	○	○	○	○	×	○	○	○
Samsung	Galaxy NOTE 2	Android	4.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Galaxy NOTE 4	Android	4.4.4	○	○	○	○	○	○	○	○	○	○	○	×	○	○	○
	Galaxy NOTE 5	Android	5.1	○	○	○	○	○	○	○	○	○	○	○	×	○	○	○
	Galaxy S3	Android	4.1.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Galaxy S4	Android	4.4.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Galaxy S5	Android	5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	GALAXY S6	Android	5.1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	GALAXY S7 32G	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Sony	XPERIA U	Android	4.0.4	○	○	○	○	○	○	○	○	○	○	○	×	○	○	○
	Xperia V	Android	4.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	XPERIA Z1	Android	4.4.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	XPERIA Z3C	Android	5.0.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	XPERIA Z5	Android	5.1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	XPERIA X Performance	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	XPERIA X Compact	Android	7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

continued on next page

Manufacturer	Model	OS	Ver.	Search	Pairing	Connection	Automatic connection		Contacts	Incoming calls		Dialing calls	Ongoing calls		Bluetooth music			
				CarLink search	CarLink pairing	CarLink connection	Engine start (ACC ON)	Power on button	Import	Accept	Reject	Keypad/contacts	Hangup	Ext.	Tracks	Play/Pause	Prev.	Next
HTC	HTC EYE	Android	4.4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	ONE SV	Android	4.2.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Desire 8	Android	5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	One M8	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	One M9	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	One A9	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	10	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
LG	Desire 10 Pro	Android	7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Optimus G PRO	Android	4.4.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	G3	Android	5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	G4	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
HUAWEI	G5	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	HONOR6	Android	4.4.2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	P8	Android	5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	P9 Plus	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
OPPO	GR5 2017	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	F1	Android	5.1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	R9s	Android	6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

* ○ = supported; X = not supported

** The smartphones listed in the table has been tested and passed. If your smartphone is not listed, this simply means that it has not been tested and does not mean it is not supported.

*** Support for the smartphones might change with smartphone firmware updates.



System settings

You can configure various system settings in this menu, such as Date and Time, System language, System sounds, System information, Rear camera, and Driving Restriction.

Date and Time

Set the date and time, and change the display format.

System language,

Change system language (English or Traditional Chinese).

System sounds

Turn keypad and alert sound **ON** or **OFF**.

System information

Displays the product information. Tap **Reset to factory default** to restore all the settings to its default setting.

Rear camera

Allows you to enable or disable rear camera. If you have a rear camera installed, enabling **Automatically show reverse footage** will show you live footage of your rear view when you are in the reverse gear.

Driving Restriction

Allows you to enable or disable Driving Restriction. This option will limit the use of applications and videos while the car is driving. Please operate the display panel only after the car stops and the parking brake is pulled.

5. Steering wheel controls

If your car supports steering wheel controls, you can use it along with the CarLink for the following functions:

Steering wheel button	Action	Function
Mode Key	Short press / Long press	Switch between Radio / BT Music / USB Music / USB Video / HDMI / Navigation
Phone / Call (available on selected models)	Short press / Long press	Accept / Reject call
Voice command key	Short press / Long press	Not supported
Next / Up	Short press / Long press	Next track / Next video
Previous / Down	Short press / Long press	Previous track / Previous video
Volume Up	Short press	Increase volume
	Long press for more than 1 second	Increase volume rapidly.
Volume Down	Short press	Decrease volume
	Long press for more than 1 second	Decrease volume rapidly.

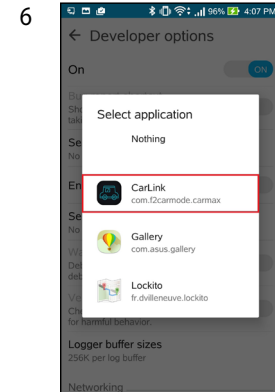
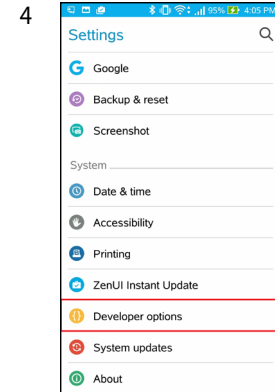
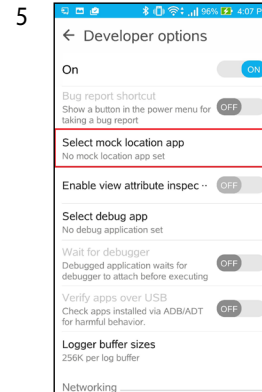
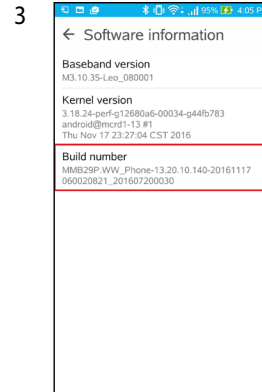
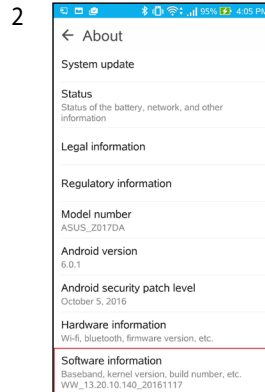
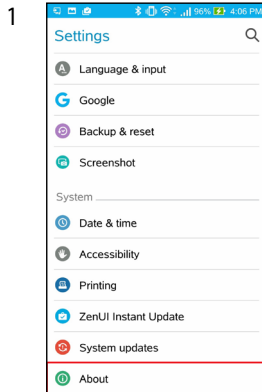
6. Setting up external GPS

To set up an external GPS, follow the steps below, contact your smartphone manufacturer if you need help:

Settings > About > Software information > Build number (tap a few times) > Settings > Developer options > Select mock location app > CarLink > Complete.



NOTE: The screenshots are for reference only.



7. Troubleshooting



NOTE: If the solutions in this section cannot solve your problem, please visit <http://www.unimax.com.tw/> and contact us for assistance. This product can only be repaired by authorized personnel. Please take your product to authorized personnel for repair. DO NOT try other solutions except that described in this section to avoid unnecessary danger.



WARNING!

- DO NOT use the device in silent, smoke, an abnormal odor, or other abnormal conditions. This may cause fire or electric shock.
- DO NOT attempt to repair the device yourself to avoid damage to the device.

Basic Troubleshooting

1. The device has no sound.

The mute mode might be turned on. Turn the mute mode off.

2. The device has noises.

There might be an electromagnetic device(s), such as a mobile phone, near the device. Take the electromagnetic device(s) far away from the device.

3. Some functions are not operational.

Some operations might not run properly in a particular menu mode. Please read the instructions carefully and exit the mode. If the problem is still there, please visit <http://www.unimax.com.tw/> and contact us for assistance.

7.1 Cannot play music from USB flash drive

1. Cannot play music from the connected USB flash drive.

- No music files in the USB flash drive. Ensure that there are supported music files in the USB flash drive.
- The file system of the USB flash drive might not be supported on this device. Please use a USB flash drive with FAT 16/32 file system.

2. Decoding error.

The music file format might be incorrect. Ensure that the music file format is supported.

3. DRM decoding error.

The music file might be a protected DRM (Digital Rights Management) file. This device cannot recognize a protected DRM file.

7.2 Bluetooth related problems

1. Pairing failed.

- The Bluetooth function might be turned off on your Bluetooth device. Please turn Bluetooth on.
- The pairing operations might not be correct. Please follow the instructions in this guide to pair the devices. Or delete the paired devices on your Bluetooth device and try again.

2. Pairing timed out.

Please complete the pairing process within the required time.

3. Bluetooth music connection error.

The Bluetooth device might not support the A2DP/AVRCP Profile. Ensure that the Bluetooth device support the A2DP/AVRCP Profile.

7.3 No voice navigation in Google Maps

During mirroring, no voice navigation can be heard when using Google Maps. To play voice navigation from the CarLink head unit, enable the options below:

Settings > Navigation settings

- iOS: Play voice over Bluetooth, Play as Bluetooth phone call.
- Android: Play voice over Bluetooth.

8. Specifications summary

Basic information

Power supply: 12V DC, 180W, test voltage 14.4V, negative ground (operating voltage range: 9V ~ 16V)

Current consumption: Less than 3A (FM mode)

Maximum power output: 45W x 4 audio channels

Matching speaker impedance: 4 ohm

Dimensions (W x H x D): 200 x 100 x 148.8 mm

Weight: 1423g +/- 30 g

Operating temperature: - 10°C ~ + 60 °C

FM stereo radio:

Frequency range: 87.5 MHz ~ 108.0 MHz

Usable sensitivity: 10 dBuV

Channel Separation: 35 dB

S/N stereo: 60 dB (Typ.)

AM radio:

Frequency range: 531 KHz ~1629 KHz

Usable sensitivity: 33 dBuV EMF

USB devices

Compatible USB standard: 1.1/2.0 Full Speed

File system: FAT 16/32

Supported music file formats: MP3

Recommended USB capacity: 32GB or less (1 partition)



NOTE: Read and play from some uncommon USB devices are not guaranteed.

Bluetooth

Communication frequency: 2402 MHz ~ 2480 MHz

Number of channels: 79 channels

Communication mode: Frequency hopping spread spectrum communication system

RF output: 0 dBm (0.8 mW)

Receiving range: within 10 meters

Bluetooth version: Version 2.1 + EDR

Bluetooth QD ID: B015864



NOTE: The specifications and design are subject to change without notice.

Supported file formats

Type	Format	Encoder	Decoder	Details	Supported file formats
Audio	AAC LC	•	•	Sampled frequency 8 to 48 kHz, supports mono/stereo/5.0/5.1 content	•3GPP (.3gp)
	HE-AACv1 (AAC+)	• (Android 4.1+)	•		•MPEG-4 (.mp4, .m4a)
	HE-AACv2 (enhanced AAC+)		•	Sampled frequency 8 to 48 kHz, supports stereo/5.0/5.1 content	•ADTS raw AAC (.aac, decode in Android 3.1+, encode in Android 4.0+, ADIF not supported)
	AAC ELD (enhanced low delay AAC)	• (Android 4.1+)	• (Android 4.1+)	Sampled frequency 16 to 48 kHz, supports mono/stereo content	•MPEG-TS (.ts, not seekable, Android 3.0+)
	AMR-NB	•	•	4.75 to 12.2 kbps sampled @ 8kHz	3GPP (.3gp)
	AMR-WB	•	•	9 rates from 6.60 kbit/s to 23.85 kbit/s sampled @ 16kHz	3GPP (.3gp)
	FLAC		• (Android 3.1+)	Supports mono/stereo content (no multi channel). Sampled at maximum 48 kHz (if your device supports only 44.1 kHz, use a maximum of 44.1 kHz)	FLAC (.flac) only
	MIDI		•	MIDI Type 0 and 1. DLS Version 1 and 2, XMF and Mobile XMF. Supports ringtone format RTTTL/RTX, OTA, and iMelody	•Type 0 and 1 (.mid, .xmf, .mxmf) •RTTTL/RTX (.rtttl, .rtx) •OTA (.ota) •iMelody (.imy)

continued on next page

Supported file formats

Type	Format	Encoder	Decoder	Details	Supported file formats
Audio	MP3		•	Mono/Stereo 8-320Kbps constant (CBR) or variable bit-rate (VBR)	MP3 (.mp3)
	Vorbis		•		•Ogg (.ogg) •Matroska (.mkv, Android 4.0+)
	PCM/WAVE	• (Android 4.1+)	•	8 and 16-bit linear PCM (Pulse-code modulation), raw PCM sampled at 8000, 16000, and 44100 Hz	WAVE (.wav)
	Opus		• (Android 5.0+)		Matroska (.mkv)
Photo	JPEG	•	•	Base+progressive	JPEG (.jpg)
	GIF		•		GIF (.gif)
	PNG	•	•		PNG (.png)
	BMP		•		BMP (.bmp)
	WebP	• (Android 4.0+) (Lossless, Transparency, Android 4.2.1+)	• (Android 4.0+) (Lossless, Transparency, Android 4.2.1+)		WebP (.webp)

continued on next page

Supported file formats

Type	Format	Encoder	Decoder	Details	Supported file formats
Video	H.263	•	•		•3GPP (.3gp) •MPEG-4 (.mp4)
	H.264 AVC	• (Android 3.0+)	•	Baseline Profile (BP)	•3GPP (.3gp) •MPEG-4 (.mp4) •MPEG-TS (.ts, AAC audio only, not seekable, Android 3.0+)
	H.265 HEVC		• (Android 5.0+)	Main Profile Level 3 for mobile devices and Main Profile Level 4.1 for Android TV	•MPEG-4 (.mp4)
	MPEG-4 SP		•		3GPP (.3gp)
	VP8	• (Android 4.3+)	• (Android 2.3.3+)	Only for Android 4.0 and above	•WebM (.webm) •Matroska (.mkv, Android 4.0+)
	VP9		• (Android 4.4+)		•WebM (.webm) •Matroska (.mkv, Android 4.0+)
	H.264 AVC Main Profile (MP)	• (Android 6.0+)	•	The decoder is required, the encoder is recommended.	

