



# LEGION EV

USERS GUIDE

# OPERATING BASICS

## TURNING "ON" THE POWER SWITCH:



1. Flip the power switch lever to the "RUN" position to turn on the power supply of the complete vehicle.
2. Flip lever to the Center position to turn off the power supply of the complete vehicle.
3. Flip power switch lever to the "EMB" position to release electromagnetic brake and push the complete vehicle.

## POWER IGNITION SWITCH:

1. Turn the key forward to start the vehicle (please turn the front and rear gear switch to the middle before opening the power lock) after inserting the power lock key vertically into the power lock hole

2. Turn the power lock key backward to shut down the vehicle, and only at this time can the key be removed.

## FRONT AND REAR GEAR SWITCH:

Operate the front and rear gear switch according to the forward or backward need of electric vehicle, the upward toggle switch is the forward gear, the downward toggle switch is the reverse gear, and the middle is the parking gear; when the reverse gear is selected, a reverse buzzer will sound.

**⚠ When switching the front and rear gears of the gear switch, the vehicle must be stopped before switching the gears. During switching, turn the gear switch to the middle parking gear, and then select the forward or backward gear switch after staying for 2 seconds. Do not shift the gear switch too quickly, so as not to affect life safety and cause vehicle damage.**

## ACCELERATOR PEDAL

Select the gear, release the brake pedal at this time, put your right foot on the accelerator pedal, and slowly press the accelerator pedal to start the vehicle after the key is in the "on" position

Note: Do not slam on the accelerator pedal!

## BRAKE PEDAL

When the vehicle needs to slow down during driving, move your right foot to the brake pedal and gently press the brake pedal to slow down the vehicle until it stops.

**STEERING WHEEL** -Control the driving direction of the vehicle

## COMBINATION INSTRUMENT

Display current vehicle status information, battery capacity, speed, mileage, light signals, etc. During driving, you can know whether the operation is correct according to the lighting of the indicator light in the dashboard.

## COMBINATION SWITCH

1. Turn Signal Lamp: When turning the lever downward, the left turn signal lamp flickers, and the left turn signal indicator lamp lights up on the dashboard at this time. When turning the lever upward, the right turn signal indicator lamp lights up.
2. Low Beam: The front half end of the lever can be turned. After the vehicle starts, turn the lever forward for two gears to turn on the low beam. Turn the lever backward to turn off the low beam.
3. High Beam: Lift the lever (steering wheel surface) to turn on the high beam. After releasing the lever, the lever will be automatically reset, and the high beam turns off at this time. Turn on the low beam first, and then lift the lever. At this time, the lever will not be automatically reset, thus realizing the permanent lighting of the high beam.
4. Horn: The head end of the lever is a horn button, which can be pressed lightly.

**⚠ Please be familiar with all operations before driving, strictly abide by the operation process and avoid illegal operation!**

## OPERATING PROCEDURES

1. Turn the Key into the "on" position.
2. Press the forward and backward rocker switch, lock it in forward or backward state, and check whether it is in place
3. Press the accelerator pedal at a constant speed and the vehicle starts

**⚠ When opening the power lock, the forward and backward switch must be in neutral position, otherwise the vehicle will not be driven; if you step on the accelerator pedal first and then open the power lock, the vehicle will not be driven. At this time, you must release the pedal and then step on the pedal again before the vehicle is driven.**

## CODES OF SAFETY PRACTICE

The driver must fully understand the technical performance, control mechanism and operating procedures of the vehicle, and abide by the following codes of safety practice:

**⚠ The vehicle is not highway rated, please don't drive on the highway!**

**⚠ Do not overload while driving, so as to avoid potential safety hazards like reduced brake performance.**

**⚠ Unqualified personnel are not allowed to drive the vehicle.**

**⚠ Please drive within the approved slope range.**

## BATTERY CHARGING REQUIREMENTS

Battery system temperature requirements

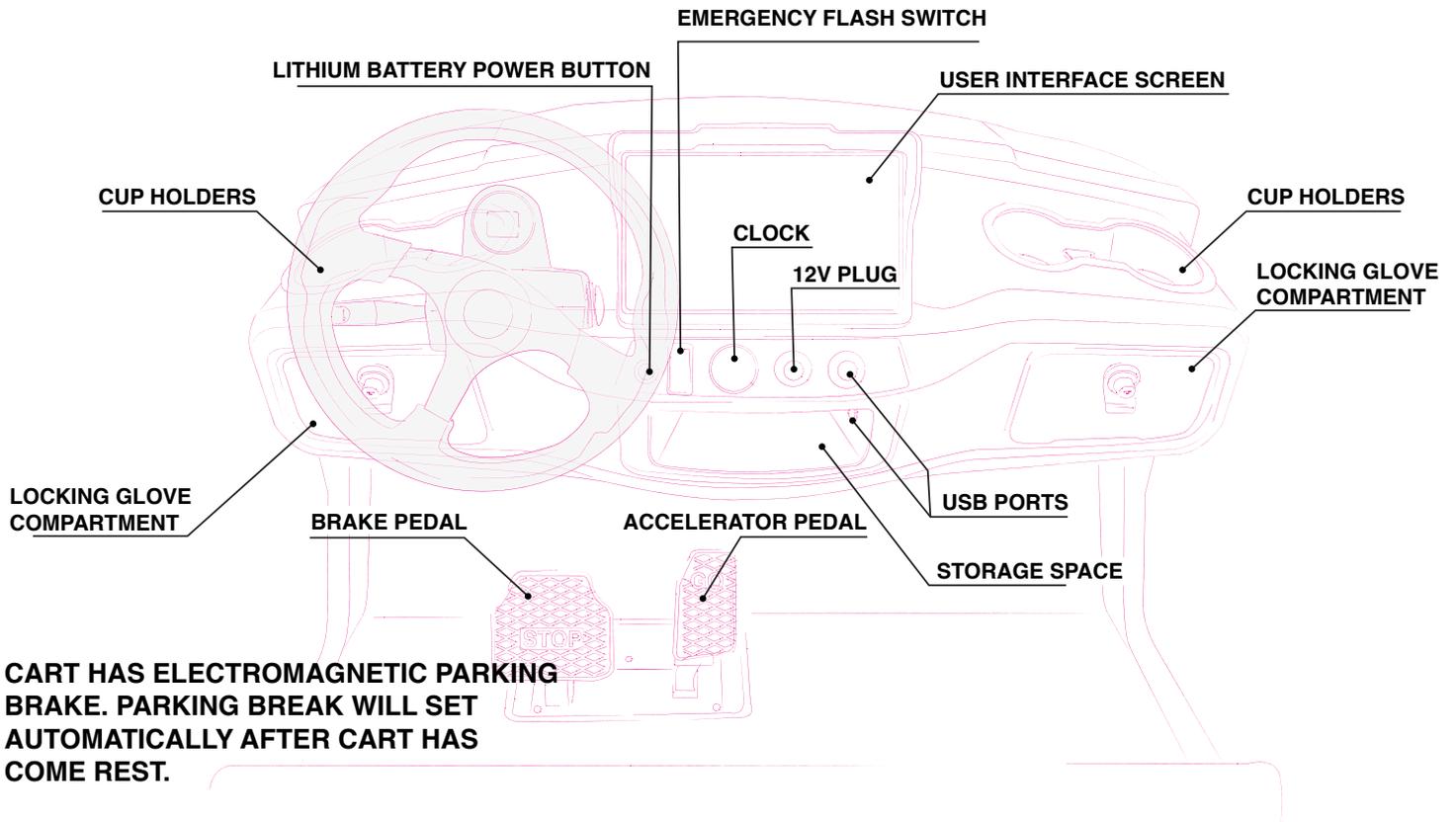
- Operating temperature: -4°F to 122°F (-20°C to 50°C)
- Storage ambient temperature: -22°F to 140°F (-30°C to 60°C)
- Optimum charge and discharge temperature: 77°F to 122°F (25°C to 50°C)

# MODEL SPECS

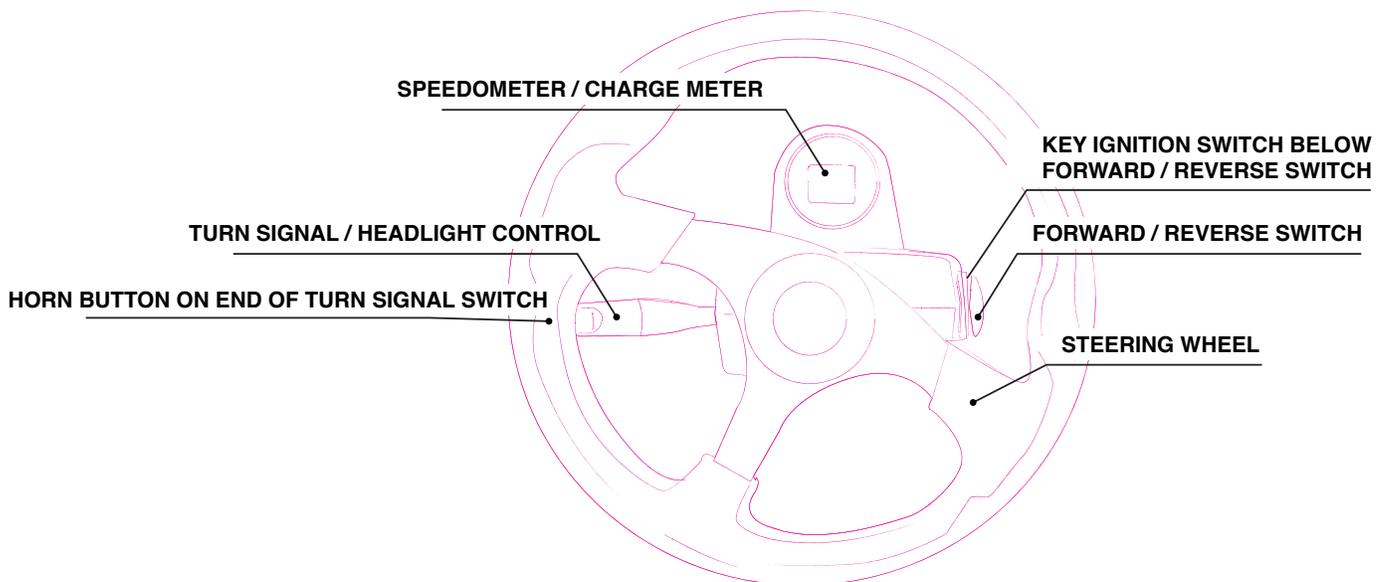


<i>Model</i>	<b>M1-2S</b>	<b>M1-4S</b>	<b>M1-4L</b>	<b>M1-6S</b>	<b>M1-6L</b>
<i>Parameter</i>	<b>2 Seats</b>	<b>4 Seats</b>		<b>6 Seats</b>	
Overall Dimension (in) (Length x Width x Height)	96L x 46W x 72H	115L x 47W x 74H	117.5L x 49W x 79H	143L x 47W x 74H	147L x 49W x 79H
Whole Machine Mass (lbs)	1215	1316	1384	1477	1541
Endurance mileage (m) (straight) pavement at 13mph	49.75m	43.5m	37.25m	43.5m	37.25m
Maximum speed (mph)	25	25	25	25	25
Minimum Turning Radius Of Outer Wheels (in)	12.25 0	16.5 0	16.5 0	20.5 0	20.5 0
Maximum Gradeability	20%	20%	15%	15%	15%
Minimum Ground Clearance (in)	4.75	4.75	7.875	4.75	7.875

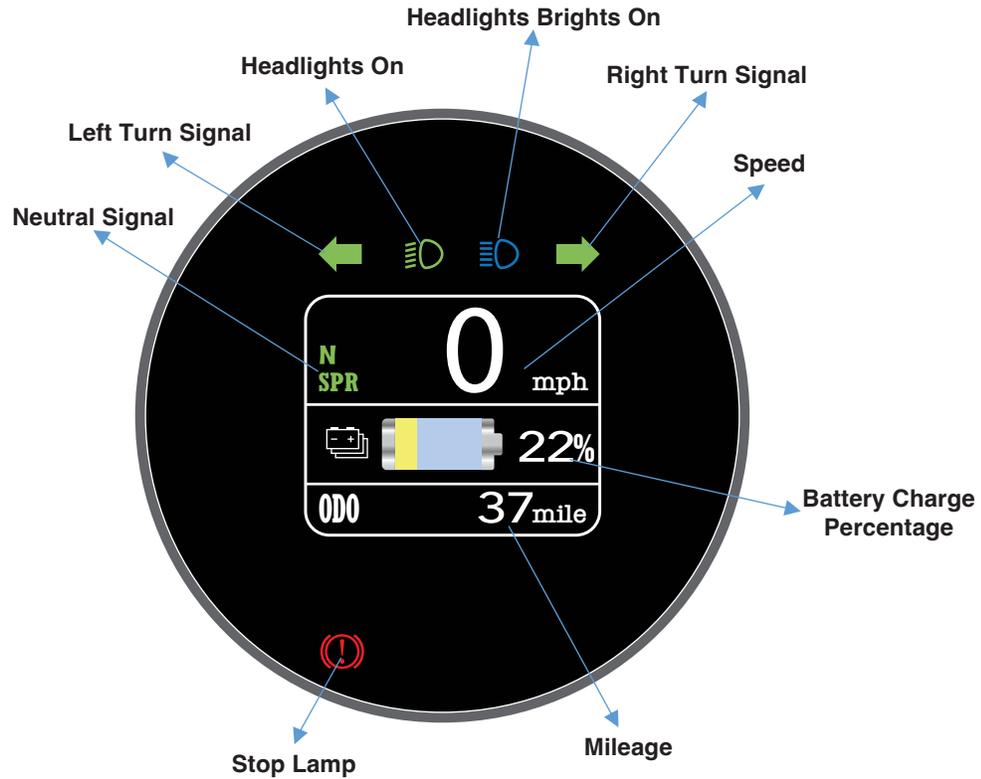
# FRONT CONSOLE



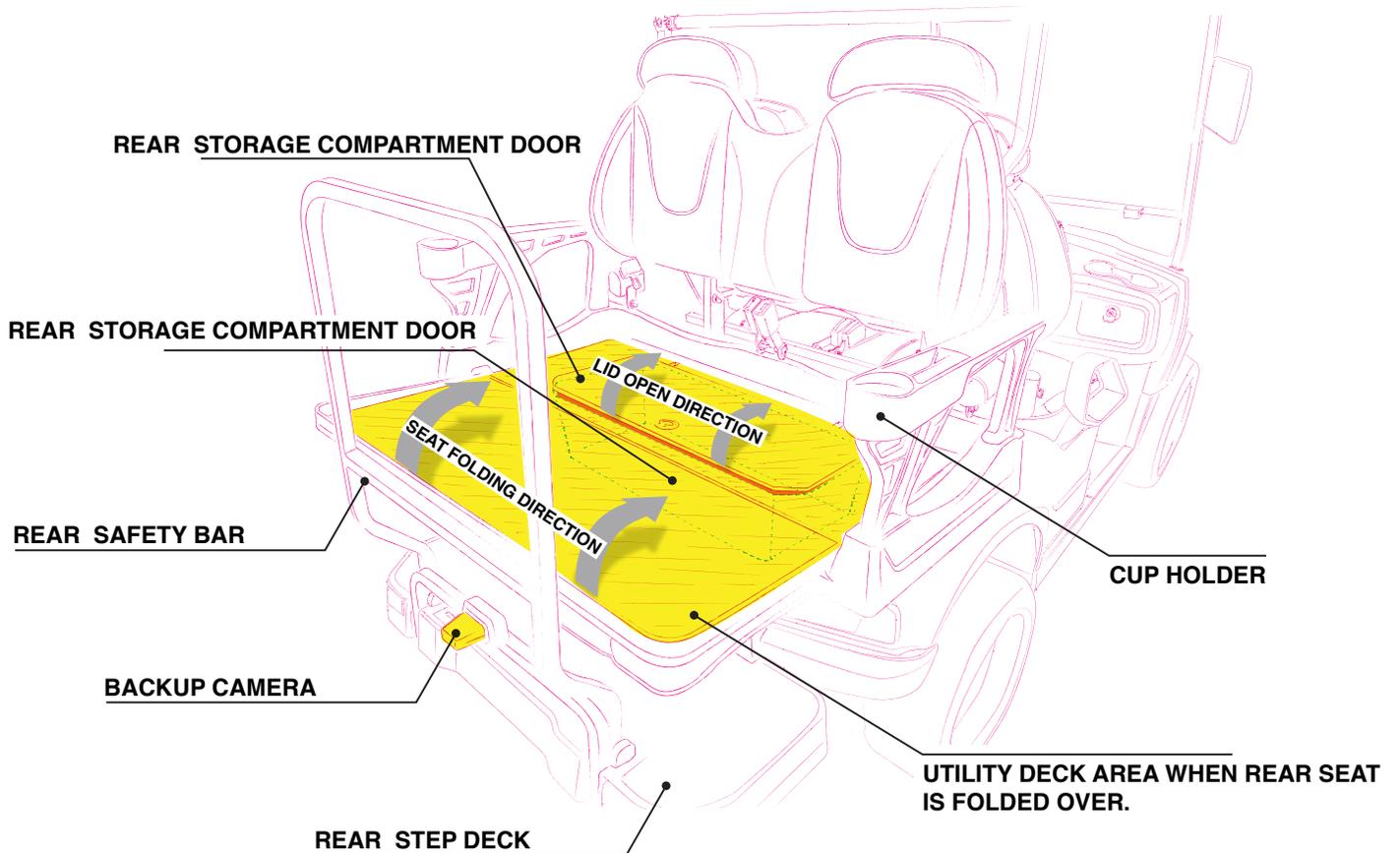
# STEERING CONSOLE



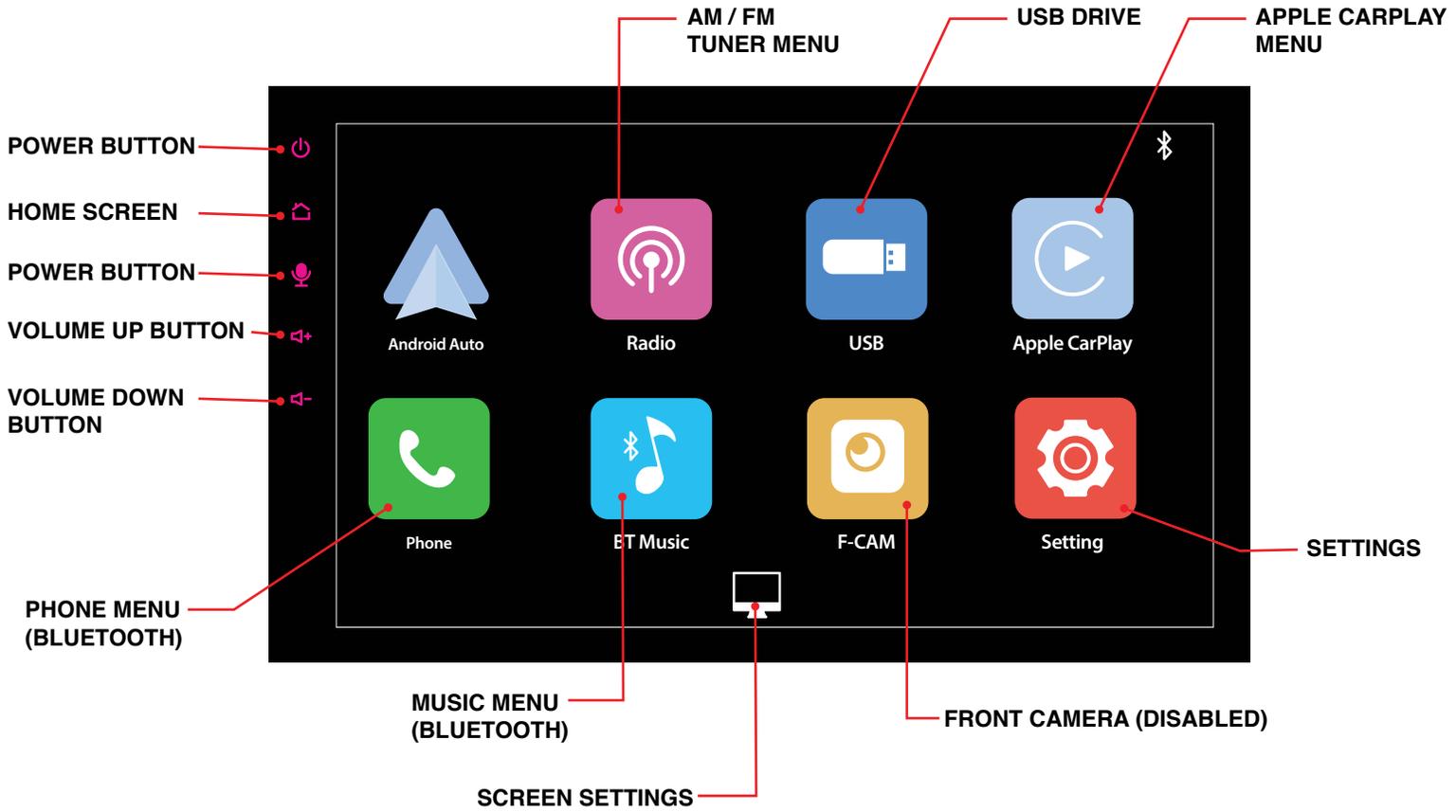
# GRAPHICAL REPRESENTATION OF DASHBOARD LIGHTING ICONS:



# REAR STORAGE AREA

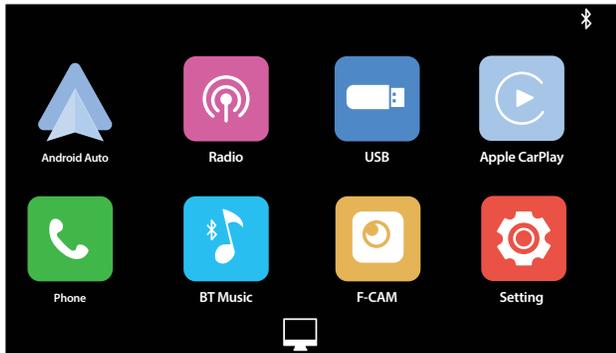


# TOUCH SCREEN INTERFACE



## 2. MAIN MENU

The Mode icon in gray means the corresponding function is not ready or proper device have not been connected. Touch the corresponding Mode icon to enter playing mode.



Setup, to enter the Settings Menu.



Turn off TFT display. TFT enter black mode touch any zone return to TFT on.

**NOTE: USER INTERFACE APPEARANCE MAYBE DIFFERENT BASED UPON SOFTWARE UPDATES. APPLE CARPLAY AND ANDROID AUDIO MENUS MAY CHANGED BASED UPON PHONE SOFTWARE UPDATES.**

## 3. SETTINGS

Touch the  icon to enter the Setup menu. The Setup menu is included Time Settings, Audio Settings, General Settings, Wallpaper Settings.

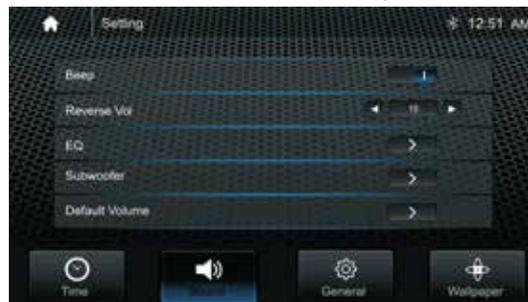
### TIME SETTINGS

The Time Settings allow the user to set Date & Time.



### AUDIO SETTINGS

Below shown is the Audio Setting Menu.



Beep: set the Beep tone is ON or OFF.

Reverse Vol: adjust the Vol value is 0-30.

### EQ SETTINGS

BALANCE / FADER:

Touch the “◀” or “▶” of Balance /Fader to tune for the driver and passenger preference.

The value of Balance (Left 12-Right 12) and Fader ( Front 12- Rear 12).

Touch Reset to set both Balance and Fader to 0. Loudness: set the Loudness is ON or OFF.



### 3. SETTINGS CON'T

#### 10 - BAND EQUALIZER:

10 band of EQ tuning, slide the EQ bar to tune each band frequency level according to user preference. Touch Reset to set all Band to.



#### SUBWOOFER:



Subwoofer Output: On/Off. Subwoofer Frequency: 50Hz/80Hz/120Hz/160Hz  
Subwoofer Level: -10 ~ +10

Illumination Detect: On / Off.

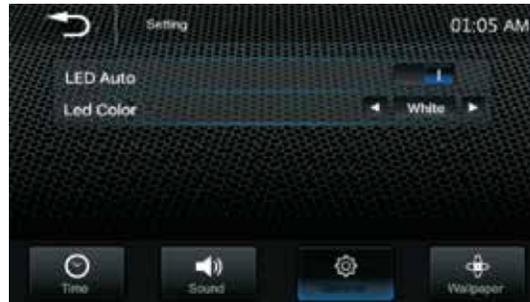
Brightness: Adjust the screen's brightness from 0 -15.

#### VOLUME CONTROL:



Set the Main / BT Talking /Navi /Voicedefault volume value.

#### KEY LED:



ON: the Led color will change automatically.

OFF: select required LED light color:

White / Red / Yellow / Blue / Green / Purple / Light Green.

LED Auto: On/Off.

#### GENERAL SETTINGS:



#### BT:



### 3. SETTINGS CON'T

#### RDS: ON/OFF.

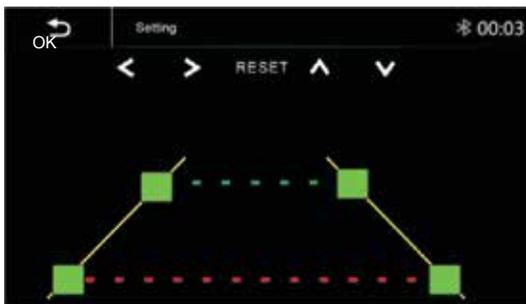
Select the region: America/ Europe/Eastern Europe/ Japan / Southeast Asia /Latin America / Asia / Australia.

#### REAR CAMERA:



#### REAR CAMERA VIEW:

Normal/Reverse Parking Assist Guide: On/Off  
Parking Assist Guide Adjustment Touch ">" to enter Parking Assist Guide Adjustment interface to show the below screen:



Select the adjust position and  
Touch </> / ^ / v to adjust.

Touch Reset to resume the default Parking Assist Line.  
Language: Select the desired language  
Driving Position: select the driver position is Left or Right.  
Drive Forbidden Watch Video: On /Off.

#### SERIAL & VERSION:



### 4. CARPLAY & ANDROID AUTO

#### RESET FACTORY DATA:

Once selected, the unit will prompt to confirm reset to factory settings. Once confirmed the system will automatically reboot.

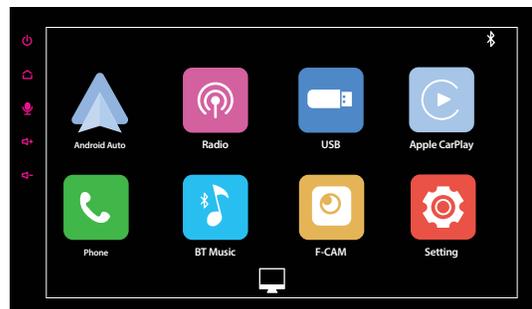
#### WALLPAPER:

User can select the preset wallpaper for prefer background.



#### 8.1 APPLE CARPLAY

Plug the iPhone (iPhone 5 or latter models, and IOS 7.1 or above) through the lightning-cable to the USB port of the source unit. The iPhone will be shown the "CarPlay". The source unit will enter the CarPlay interface, the APP that support the CarPlay feature will be displayed on the source unit as shown below. Touch the corresponding APP can operate, touch button to go back the CarPlay interface. (USER INTERFACES MIGHT CHANGE APPEARANCE BASED UPON SOFTWARE UPDATES)



## 4. CARPLAY & ANDROID AUTO

### SIRI

In Carplay mode, user can talk to Siri to control the CarPlay functions.

Press  to start the Siri function, or touch the  button for 2 seconds or the HOME button of iPhone.

Now you can talk to Siri for playing music, I am going....

**Note:** For Siri function in the source unit, the Microphone has to be connected.

### ANDROID AUTO OPERATIONS

Android Auto enables you to use functions of your Android device convenient for driving. You can easily access route guidance, make calls, listen to music, etc.

For details about Android Auto, visit <https://www.android.com/auto> or <https://support.google.com/androidauto>

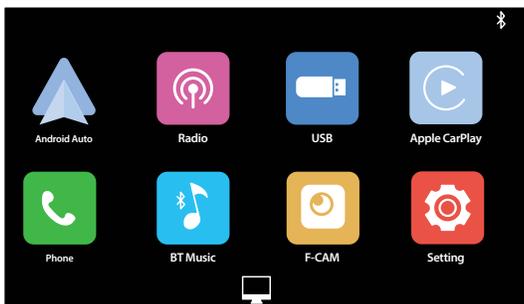
**Compatible Android devices** You can use Android Auto with Android devices of Android version 5.0 or later.

**Note:** Android Auto may not be available on all devices and is not available in all countries or regions.

### OPERATIONS:

1. Connect an Android device via USB terminal. To use the hands-free function, connect the Android device via Bluetooth. When an Android device compatible with Android Auto is connected to USB terminal, the device is connected via Bluetooth automatically, and the Bluetooth smartphone currently connected is disconnected.

2. Unlock your Android device  
3. To enter Android Auto mode, touch Android Auto icon in the head unit screen. You can perform the operations of the Apps of the connected Android device.

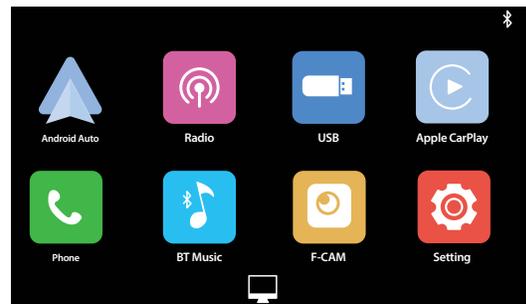


## 5. RADIO MODE



### RADIO MODE

Touch the Radio mode icon to enter Radio.



Touch FM1 to select FM1 Band.

Touch AM1 to select AM1 Band.

Touch  to select Band, FM1> FM2> FM3> AM1> AM2



Short touch to prescan searching, each scanned station will be played 10s. Long touch for auto searching.



Touch  to enter EQ settings.



Touch  to switch LOCAL or DX.



Touch  to input tune directly.



Short touch to Seek -, long touch for Step -



Short touch to Seek +, long touch for Step +



Preset station, 6 preset store and recall station for each band.

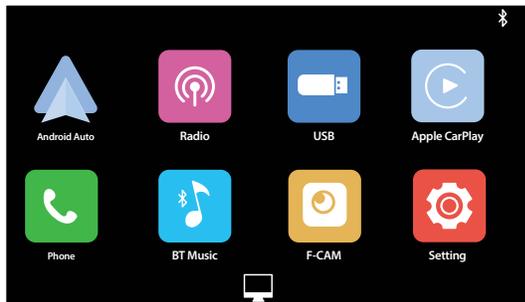
## 6.USB

### STORE A STATION

1. Tune radio to desired station.
2. Touch and hold the one of the preset station for more than 3 seconds, then the preset button will be highlighted on the screen, and the preset station will be stored.

### USB

Plug the USB, the USB icon will be colorful. Touch the USB icon to enter the USB playback mode. The source unit default the play the Audio in the USB device.



-  Press to list audio, video, picture Files in USB.
-  Short press to skip previous track, Long press to fast reverse.
-  Play or Pause Button.
-  Short press to skip next track, Long press to fast forward.
-  Press to select Repeat All > Repeat 1> Repeat Directory.
-  Press to switch Random is On or Off.
-  Press to select Audio setting or set the prefer EQ of each band in custom mode.
-  Touch to handle goto page for input the track number directly.

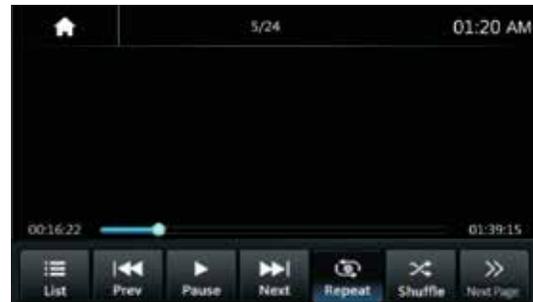
### FILE LIST BROWSING

Touch  to browse the folder and file list of the USB device. You can select the multi-media type.



-  Return To Playing Previous File.
-  Select Audio Or Music Files.
-  Select Movie Or Video Files.
-  Select Picture Files.

### VIDEO



-  Press to list Audio, Video, Picture files in USB.
-  Short press to skip previous track, Long press to fast reverse.
-  Play or Pause Button.
-  Short press to skip next track, Long press to fast forward.
-  Press to switch Random is On or Off.
-  Press to select Repeat All > Repeat 1> Repeat Directory.
-  Touch to select the second page of the keypad.

## 7. BLUETOOTH AUDIO



Press to select Audio setting or set the prefer EQ of each band in custom mode.

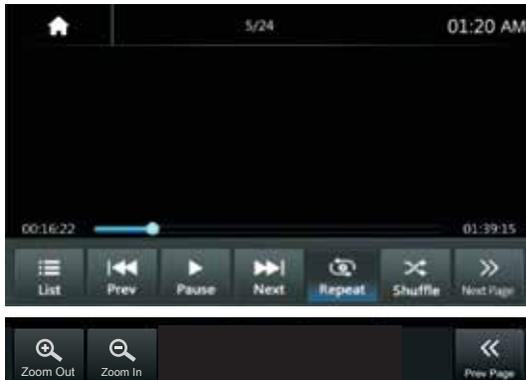


Touch to handle go to page for input the track number directly.



Touch to select the first page of the keypad.

### PICTURE



Press To Zoom Out The Picture.



Press To Zoom In The Picture.



Press To Skip Previous Track



Play Or Pause Button.



Press To Skip Next Track.



Press To Switch Random Is On Or Off.



Press To Select Repeat All > Repeat 1> Repeat Directory.



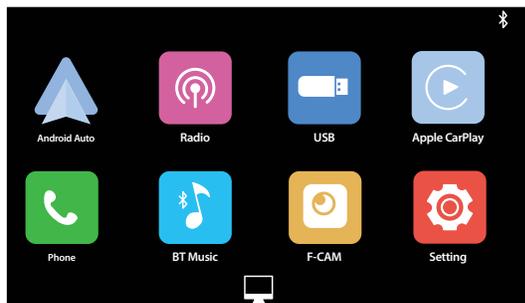
Press to select Audio setting or set the prefer EQ of each band in custom mode.

## BLUETOOTH CONNECT

If the Bluetooth is not connected, press Re-connect the paired phone or pairing to pair thenew device.

## BLUETOOTH AUDIO

Touch the BT Audio icon to enter BluetoothAudio playing mode. If the Bluetooth is connected, the music will be playing as following shown:



## BLUETOOTH AUDIO PLAYBACK



# 7. BLUETOOTH PHONE

## BLUETOOTH PAIRING

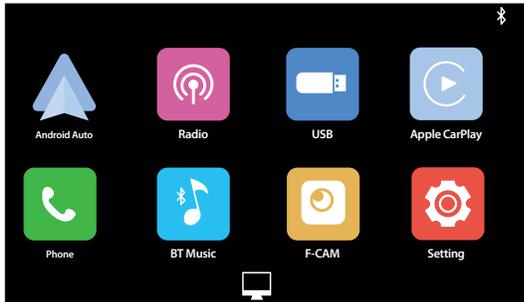
Pairing mode screen will be shown as below:



Turn On the Bluetooth of the mobile phone or Bluetooth device, you can see the CAR-KIT, select the CAR-KIT for pairing and connection.

## BLUETOOTH PHONE

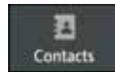
Touch the Phone icon in main menu to go to Phone mode. After the mobile phone is connected with the source unit via Bluetooth(HFP), user can through the source unit to make a phone call. Please note it needs to connect the microphone for phone call.



Dial Pad. Tap it to enter call mode.



Call Logs, To Show The Call Record, Missed, Received And Dialed Calls



Contact, tap to show the phone-book connected phone.



Show the usable devices.



BT Setup, tap to set auto answer and load phonebook.



Search the available devices.



Manage the connected device.

## MAKE A CALL

1. Touch the  icon to enter below screen.
2. Using the keypad, touch 0-9,\*,#, enter the phone number you wish to dial. If you input an incorrect number, touch the  icon on the keypad to delete the incorrect number.
3. Once the correct number appears on the screen, touch the  icon. To go to dialing interface.



# 7. BLUETOOTH PHONE

4. To end the call, touch the icon  on the screen.



## RECEIVE AN INCOMING CALL

If the Phone is connected with the source unit via Bluetooth, when an incoming call, below screen will be shown:

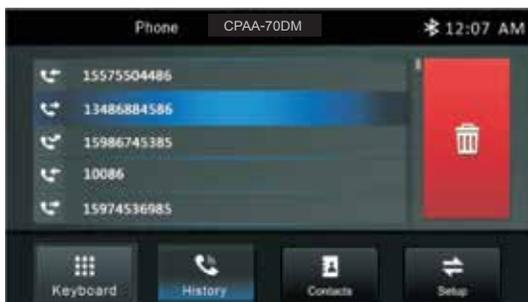


Press  to answer the incoming call.

Press  to reject the incoming call.

## CALL LOGS

Touch the icon  to display the Call combined list.



Slide the bar at right side up and down to display a call logs up to 20 records.

## CONTACTS

Touch the icon  to access the phonebook of the connected mobile phone.

To make a call from the phonebook, simply touch the contact name.



## BT SETUP



BT On /OFF, Power On or Off BT function.  
Auto Answer On /OFF, incoming call auto answer. Auto Loadpbk, On /OFF, when connect phone Auto Load Phonebook On or Off. Load Phonebook, Manually Load Phonebook.

# REVERSE CAMERA SCREEN



DISTANCE GAUGES