Lvtong new energy multimedia system

User manual-V1.0

东莞市路畅科技股份有限公司

Dongguan RoadRover Intelligent Technology Co., Ltd.

Warning

Thank you for purchasing Lvtong Automobile products!

Our company continues to improve and optimize the products, please refer to the actual display interface, if there is any change without prior notice.

Please read this manual carefully, because the information in it can let you know how to safely and correctly operate the Lvtong new energy multimedia system all-in-one machine , and learn from it Get maximum driving enjoyment.

◆ For your safety, you should lower the volume of the media before driving , so as to perceive and judge the surrounding driving conditions.

◆ Please do not operate multimedia systems or watch videos while driving.

◆ Please do not let children to operate the multimedia system to avoid personal injury or machine damage.

◆ Please do not use it in places where the use of electronic equipment or open flames is strictly prohibited , such as: gas stations, wineries, areas with strong electromagnetic interference, etc., otherwise it may cause danger.

◆ Please do not maintain or install the machine by yourself . Do not install or maintain the machine while the power is on. It is very dangerous to install and maintain the machine by non-professional personnel.

◆ Do not scratch the display screen with sharp objects , and do not press the display screen vigorously, otherwise it will cause damage to the display screen or touch screen.

◆ In order to ensure the normal operation of the machine and prevent fire or electric shock, please do not expose the machine to a humid environment, let alone put liquid spilled on the machine.

◆ The pictures in this manual are schematic diagrams and are for reference only. Guangdong Lvtong New Energy Electric Vehicle Technology Co., Ltd. reserves the right of final interpretation of this manual .

Warning

Federal Communications Commission (FCC) Statement.

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.

Note: 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: Changes or modifications made to this device not expressly approved by Dongguan RoadRover Intelligent Technology Co., Ltd. may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Warning

RF exposure statement:
The transmitter must not be colocated or operated in conjunction with any other antenna or transmitter. This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a Minimum d istance of 20cm between the radiator and any part of your body.

Directory

Precautions.....1

Product introduction.....2

Multimedia system and Description.....5

Functional application

Display interface.....7

Radio.....9

BT music.....10

BT phone.....11

USB.....14

Mobile Internet.....17

Settings.....23

Product connector.....30

Common Troubleshooting Guide.....35

Repair and Maintenance.....36

Announcements

◆ In the case of ensuring driving safety, operate this product carefully, please do not watch the videos, so as to avoid affecting driving safety due to inattention.

◆ This Lvtong new energy multimedia system can play music, pictures, and video files in the U SB.

◆ Keep the volume of multimedia audio and video at an appropriate level while driving , so as to be able to perceive road conditions and vehicle conditions and ensure driving safety.

◆ Avoid excessive moisture and dust, and do not let the product get wet , which may cause electric shock, fire or other damage.

◆ Extremely high or extremely low temperature will interfere with the normal function of the multimedia system. If the multimedia system is parked in direct sunlight or in a cold place for an extended period of time, The multimedia system may become extremely hot or cold. If it is not in this environment, the normal function can be restored. If it cannot be restored, please contact the authorized after-sales service center of the multimedia system for inspection.

◆ If the Multimedia System of Lvtong New Energy breaks down (no power, no image, no sound) or is in an abnormal state (internal abnormalities objects , water, smoke, or smell), please do not open the casing, disassemble the body or lubricate the rotating parts. The power should be cut off immediately And contact the authorized after-sales service center of the car for maintenance.

◆ Do not disassemble and repair the machine by yourself, please consult your dealer for any questions!

Product introduction

Overview

This product is an intelligent multimedia system with audio-visual entertainment as the core, integrating vehicle instrumentation and multimedia system. Simple but not simple fashion appearance, Ultra- smart full-screen full-touch, adding a shocking experience full of personality. May you explore new joys, experience modern life, and enjoy driving fun!

Features

- 10.1-inch high-definition display
- Linux 5.4 operating system
- Built-in 128M memory
- Radio/media player, support 1080P HD decoding
- Bluetooth music/Bluetooth phone/mobile link
- Rear view camera

Basic technical indicators

- Working temperature range: -20℃~+70℃;
  storage temperature range: -30℃~+80℃;
- Humidity range: 45%~75%;
- Atmospheric pressure: 86 kPa ~106 kPa ;
- Working power supply: DC 9 V ~ 16 V ;
  standard voltage: DC 12 V;
- Dark current: ≤3mA; Maximum current: ≤10A;
- Speaker load: 4Ω; rated output power: 2*20 W (DC =14 V)

Product introduction

Main parameters of display screen and touch screen

NO.	Technical parameters	Feature	Remark
1	Screen size	10.1 inches	
2	Resolution	1024*600	
3	Surface treatment	Anti - glare	
4	Interface	LVDS	
5	Touch screen	10.1 inch capacitive touch screen	

Product basic functions and system parameter table

NO.	Function	Description	Remark
1	Bluetooth phone, Music function	Built-in Bluetooth module, realizing Bluetooth dialing, answering, hanging up, Channel switching, call record synchronization function. Support bluetooth mobile phone music playback function.	
2	Radio	Support FM/AM band.	
3	Play music	Support MP 3, WAV , FLAC , AAC format music playback, etc.	
4	Video playback	Support AVI , MP4 , FLV , MOV, M4V, MKV format video playback,etc.	
5	Picture	Support picture browsing function.	

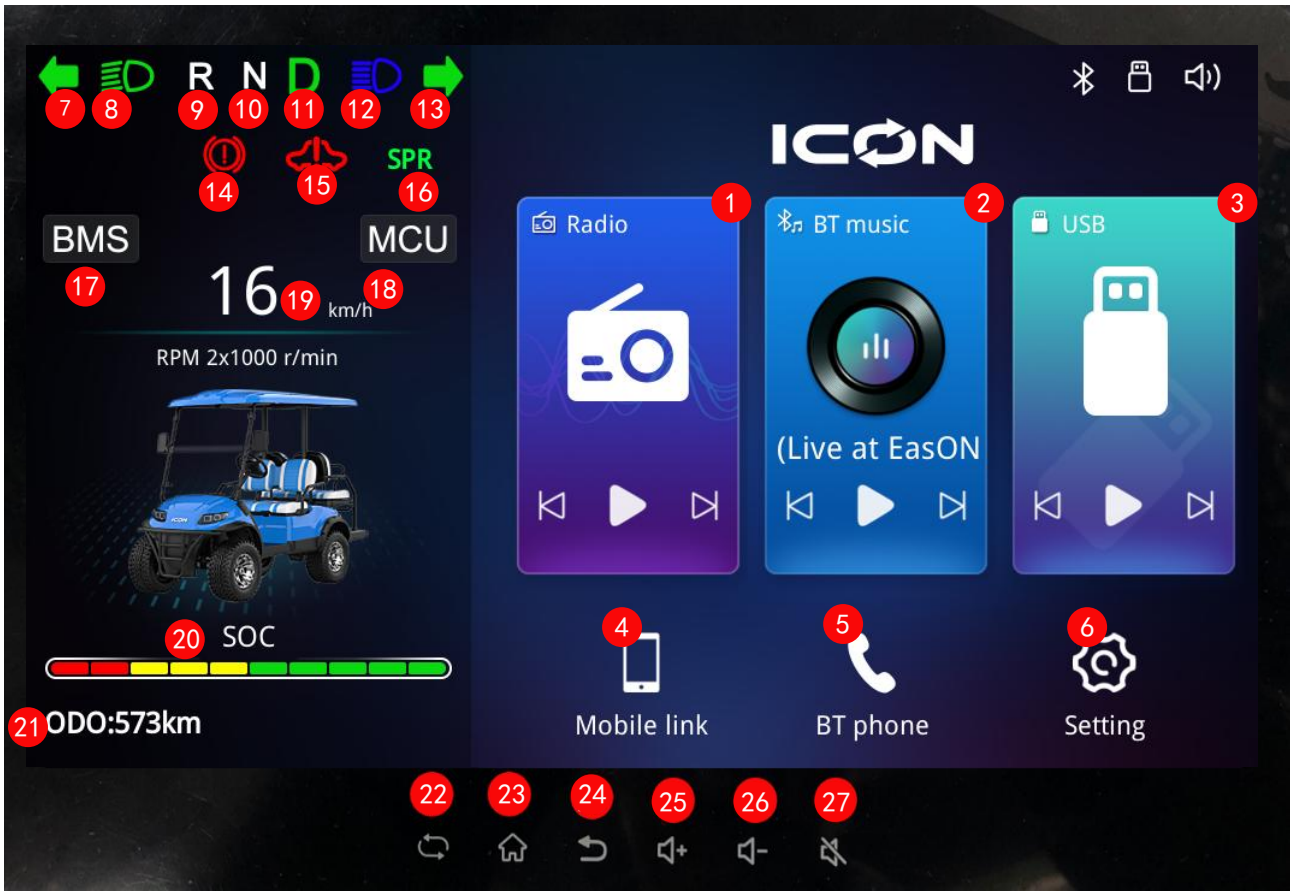
Product introduction

6	Microphone	Support Bluetooth phone input function .	
7	System settings	Support Bluetooth, WIFI, audio, display, date and time and other functions	
8	Mobile link	Support the overseas version of Mobile link (Easy-Connection APP) function can . Mainly connect to the mobile phone through wired USB connection and scan code, Support Apple and Android mobile phone screen projection; realize mobile phone navigation, music playback, phone calling and other functions on the EasyConnection APP. settings .	
9	Vehicle information	Support vehicle information, built-in CAN BUS, diagnosis.	
10	USB	Support USB 2. 0 , multimedia player.	
11	Rear view camera	Support rear view camera and auxiliary line for reversing.	
12	WIFI	Built-in WIFI function.	
13	Amplifier	Rated power : 2*20W, load: 4 Ω.。	
14	AUX audio	Support AUX audio output and connect to external audio devices.	
15	System	T113-S3 (dual-core) processor, ARM Cortex A7; operating system : Linux 5.4 Display: 10.1 inch 1024*600 Capacitive touch screen: 10.1 inch . settings .	

7			Left turn indicator light highlighted green
8			Dipped headlight green highlight
9	R		Reverse mode
10	N		Neutral mode
11	D		Forward gear
12			Beam blue highlight
13			Right turn indicator light highlighted green
14			Brake system fault warning light
15			Vehicle failure information indicator light, click the icon to enter the vehicle failure warning information interface
16	SPR/LOW		High Speed Mode /Low Speed Mode
17	BMS	Short Press	Click BMS to enter the BMS list interface
18	MCU	Short Press	Click MCU to enter the MCU list interface
19			Current vehicle speed, motor speed
20	20 Km/h RPM 20X1000r/min		Battery level
21	ODO		Total mileage
22	Source switching	Short Press	Click to switch: radio, music, video, Bluetooth music, mobile phone interconnection (Note: Bluetooth and U disk have been connected)
23	HOME	Short Press	Click the HOME button to quickly return to the main interface
24	Back	Short Press	Back button , layer by layer return function
25	Volume+	Short Press	Click to turn up the volume
26	Volume-	Short Press	Click volume down
27	Mute/unmute	Short Press	Click on the Mute/Unmute function

Multimedia system and Description

The main interface is described as follows:

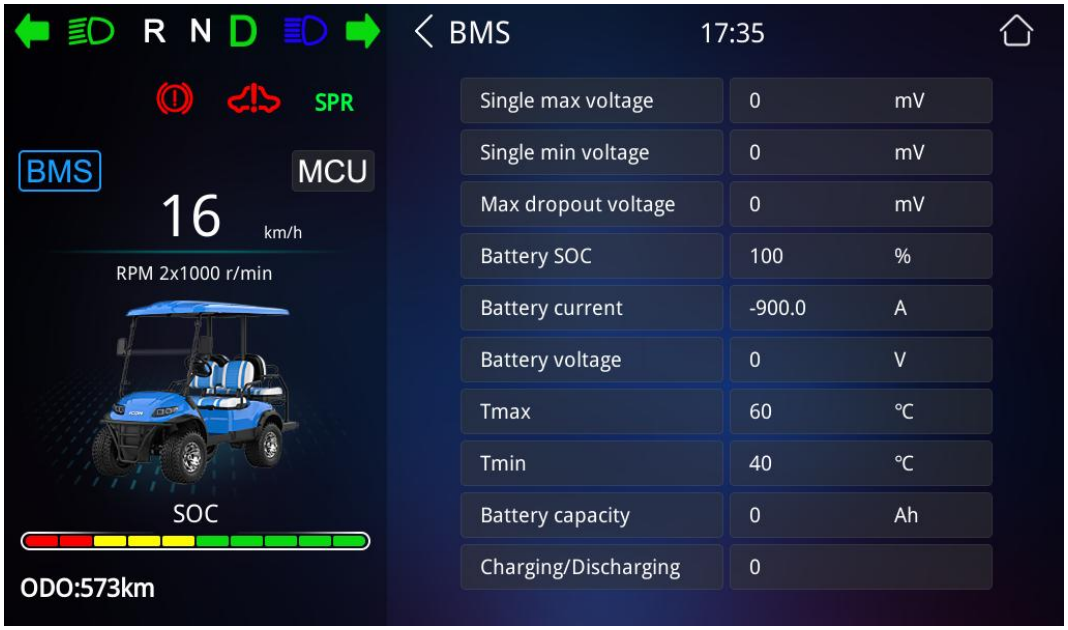


NO.	Designation	Operate	Illustrate
1	Radio	Short Press	Enter the radio interface
2	BT music	Short Press	In the case of Bluetooth connection, click to enter Bluetooth music playback
3	USB	Short Press	On USB When connected, click to enter the USB file playback
4	Mobile link	Short Press	Click to enter the mobile link interface
5	BT phone	Short Press	In the case of Bluetooth connection, click to enter the Bluetooth phone
6	Settings	Short Press	Click to enter the setting interface

Functional application

Instrument interface

➢Click BMS on the instrument interface to enter the BMS information list interface, and the multi-media window on the right will display information about the lithium battery (the vehicle battery is a lithium battery pool and in communication state)

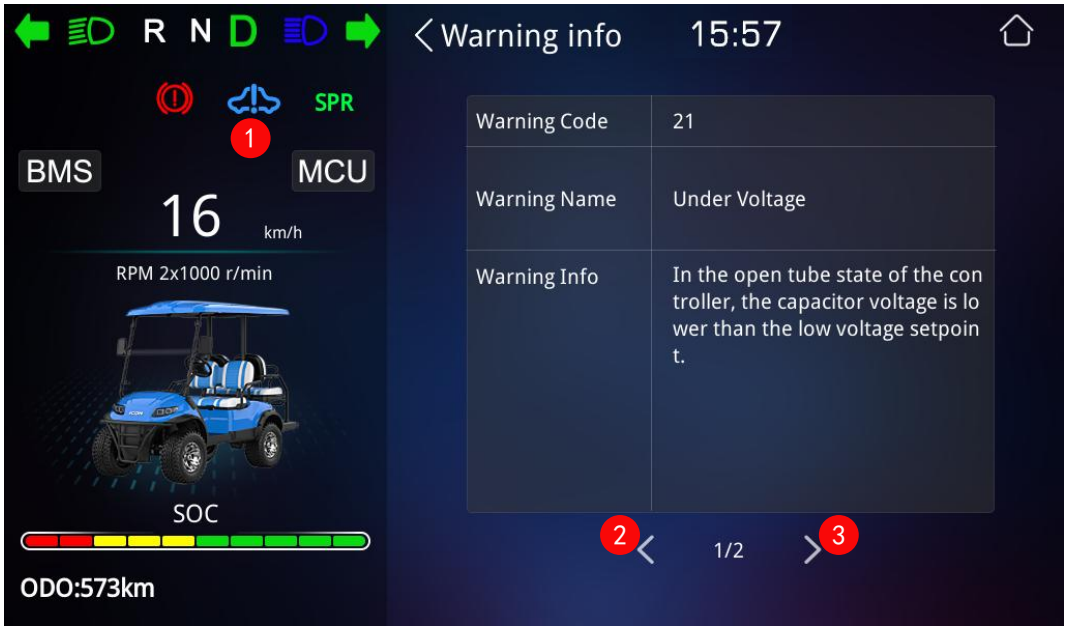


➢Click MCU on the instrument interface to enter the MCU information list interface, and the vehicle-related information will be displayed at this time

Functional application

Instrument interface

Click on the instrument interface enter the warning info interface.



NO.	Designation	Operate	Illustrate
1	Faults and Warnings		Red fault , blue warning, fault priority
2	Warning turn left	Short Press	Previous Fault or Warning
3	Warning turn right	Short Press	Next Page Faults or Warnings

Functional application

Radio

▶Click the [Radio] icon on the main interface, and you can immediately listen to the station that was playing when the radio was turned off last time . The radio interface is as follows:

◆ Frequency Band Selection: The radio has two band stations , FM and AM , which can be switched by clicking the corresponding button.

◆ Manual adjustment: When the radio is playing, click and to manually search, short press to jump a frequency point to low frequency or high frequency, or drag The red scale needle or click on the scale bar, the position of the red scale needle is the current playing frequency point.

◆ Automatic channel search: Long press and 1.5s, on the interface , the radio player will automatically search for stations from the current frequency point to low frequency or high frequency, stop searching when a valid station is found, and broadcast the content of the station.

◆ Automatically search and save stations: Click to Auto search , search all stations from the initial frequency and display them on the interface. After the search is completed, the radio will play the first station saved. After automatic search, the playlist will be updated and the original favorite stations will be kept.

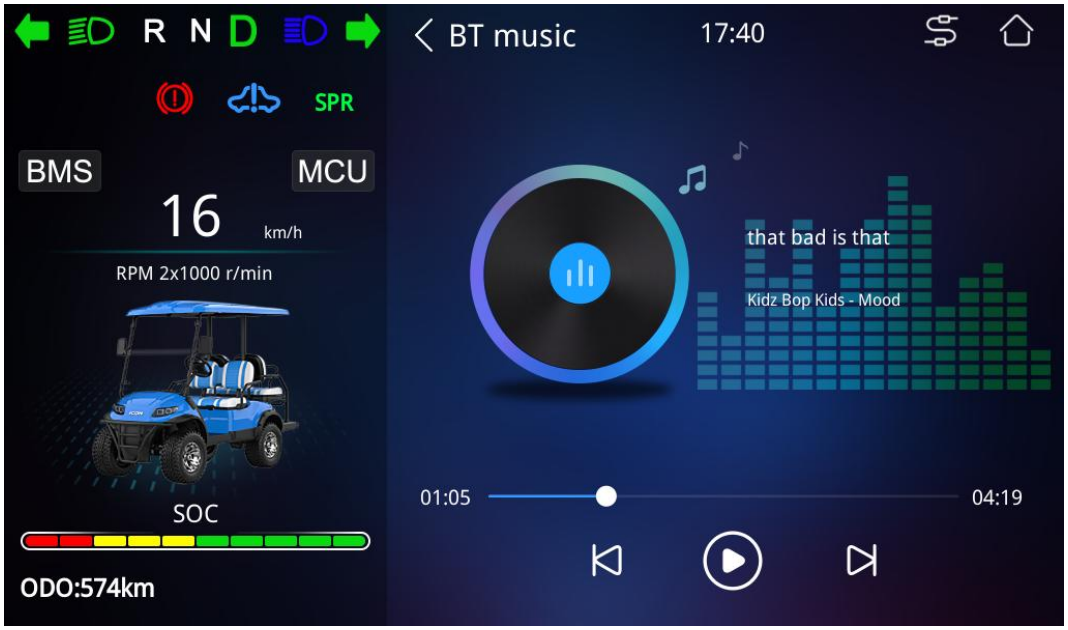
◆ Play: The valid radio stations stored in the automatic search will be added to the playlist, and the radio icon can be switched by clicking the previous/next button in the playlist available stations to play .

◆ Collect/Uncollect radio station: Click the "Collect" icon, and the icon will be displayed to indicate that it has been favorited, and it will be added to the favorite list; click again, the icon will be displayed , or long press the station in the favorite list, you can also cancel the favorite station currently playing, and add it to the favorite list. The list is updated.

Functional application

BT music

➢When the mobile phone is connected to bluetooth, click the BT music icon to enter the bluetooth playback, and you can play the songs in the mobile phone through bluetooth.

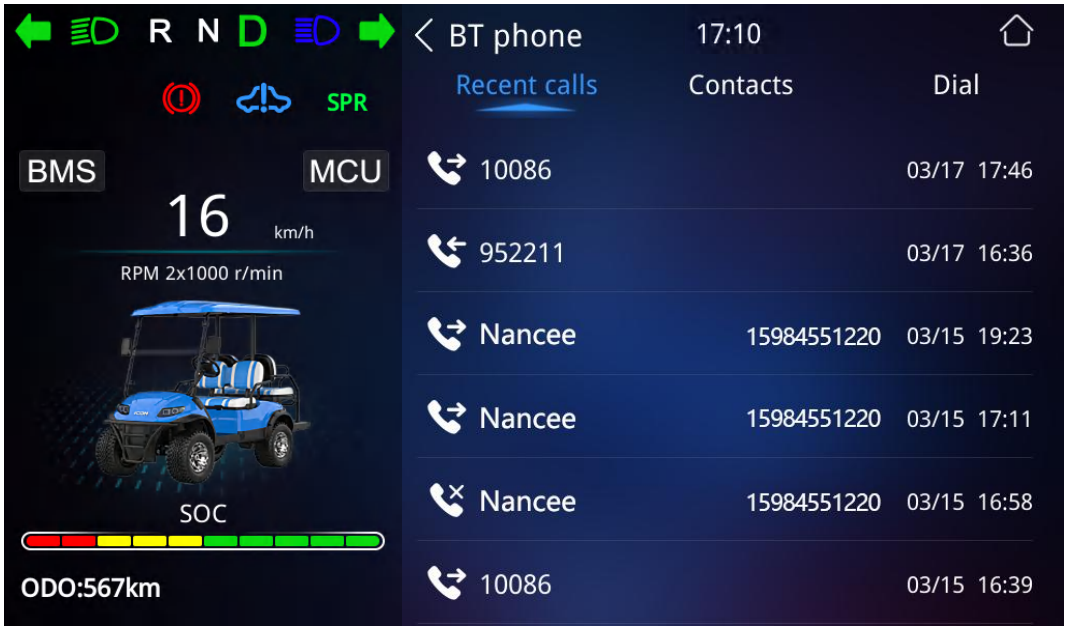


NO.	Button	Operate	Illustrate
1		Short press	Go to previous song
2		Short press	Pause/ Play
3		Short press	Go to next song
4		Short press	Enter the EQ mode

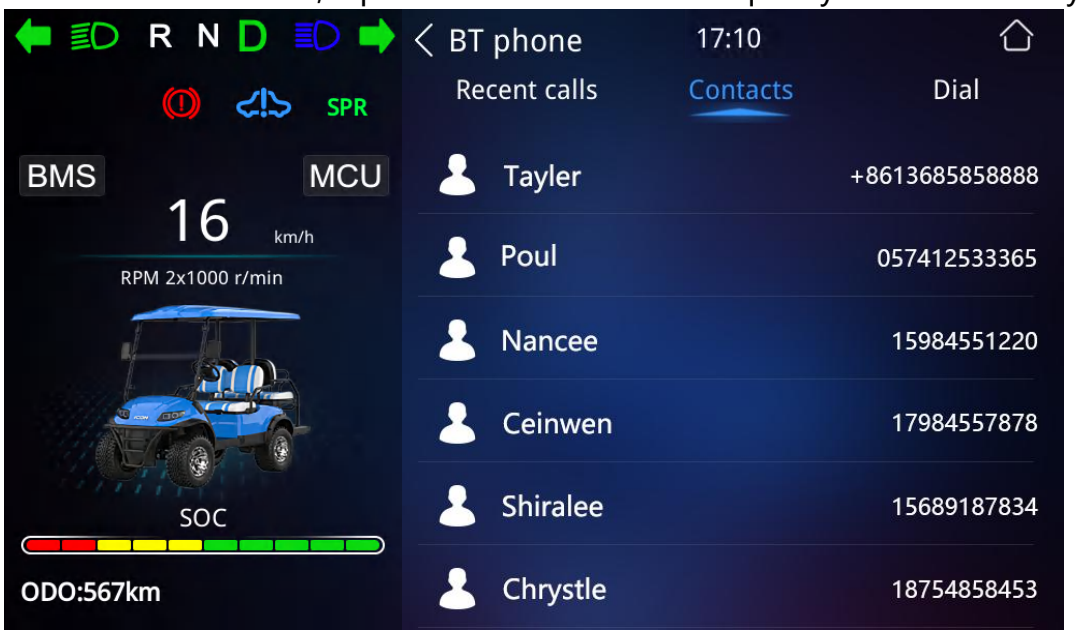
Functional application

BT phone

➢When the mobile phone is connected to Bluetooth, click the Bluetooth phone icon to enter the Bluetooth phone interface, where you can view recent calls, contacts and Dial.
➢ Synchronization of call records: When the mobile phone is successfully connected, the call records on the mobile phone will be automatically synchronized to the Multimedia system. Click "Recent calls" , can view the missed calls, outgoing calls and received calls. Click and hold the interface and drag up and down,You can tap a call history to quickly implement this function One key dial.

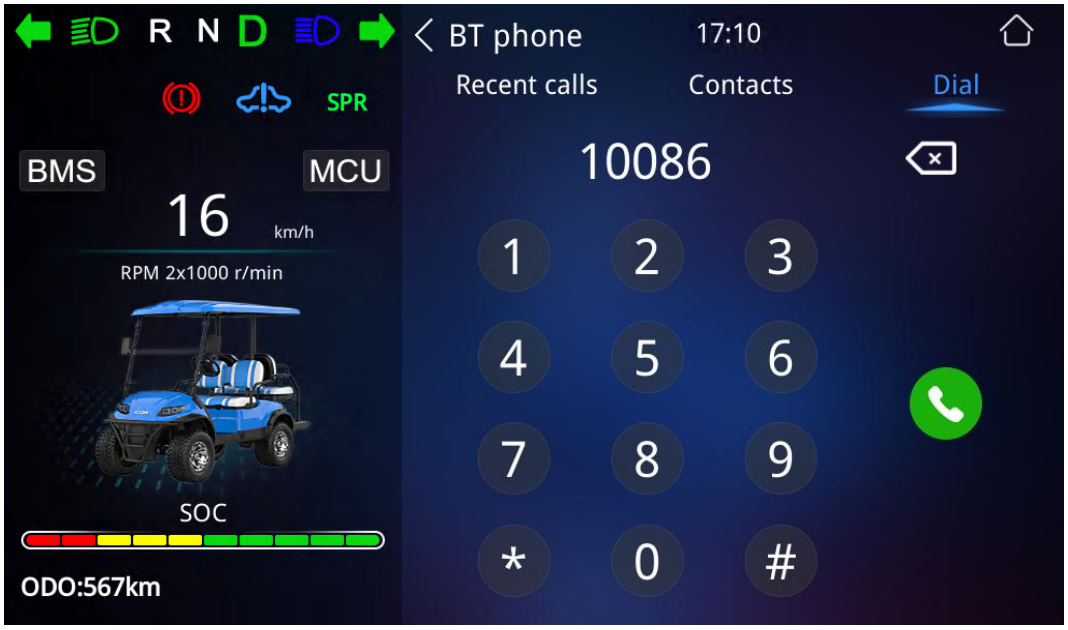


➢Contacts synchronization: When the mobile phone is successfully connected, the phone book on the mobile phone will be automatically synchronized to the multimedia system, click the "Contacts" icon , you can view the contact list; tap a contact information to quickly dial with one key.

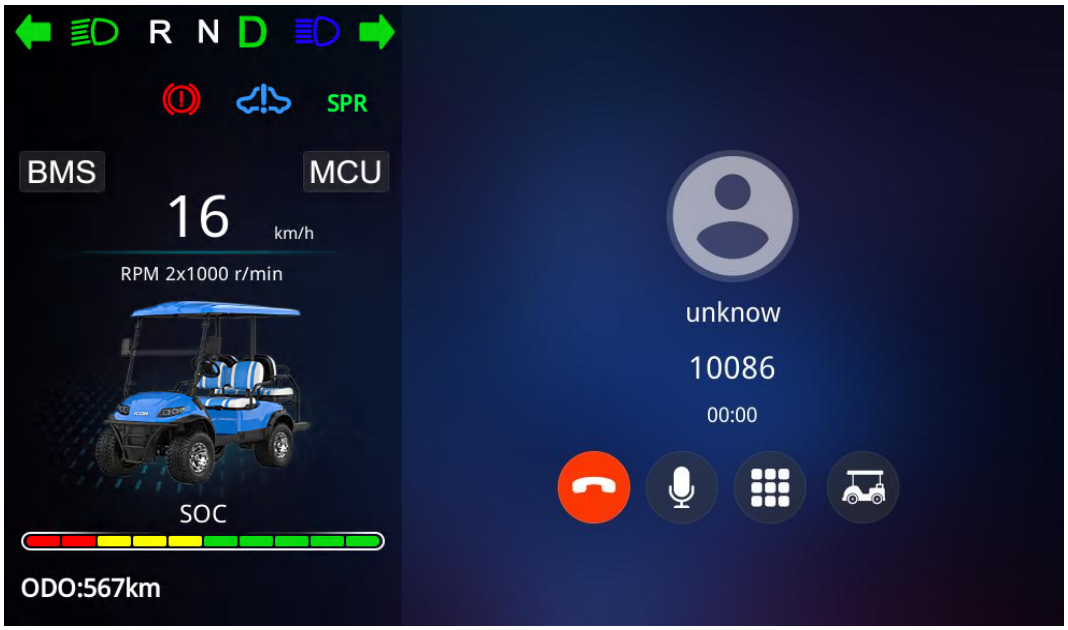


Functional application

➢Make/receive calls: Please make sure your mobile phone is successfully connected to the multi-media system before making and receiving calls. When making a call, click the "Dial" icon
After entering the number on the numeric keypad on the interface , click the icon to make a call.

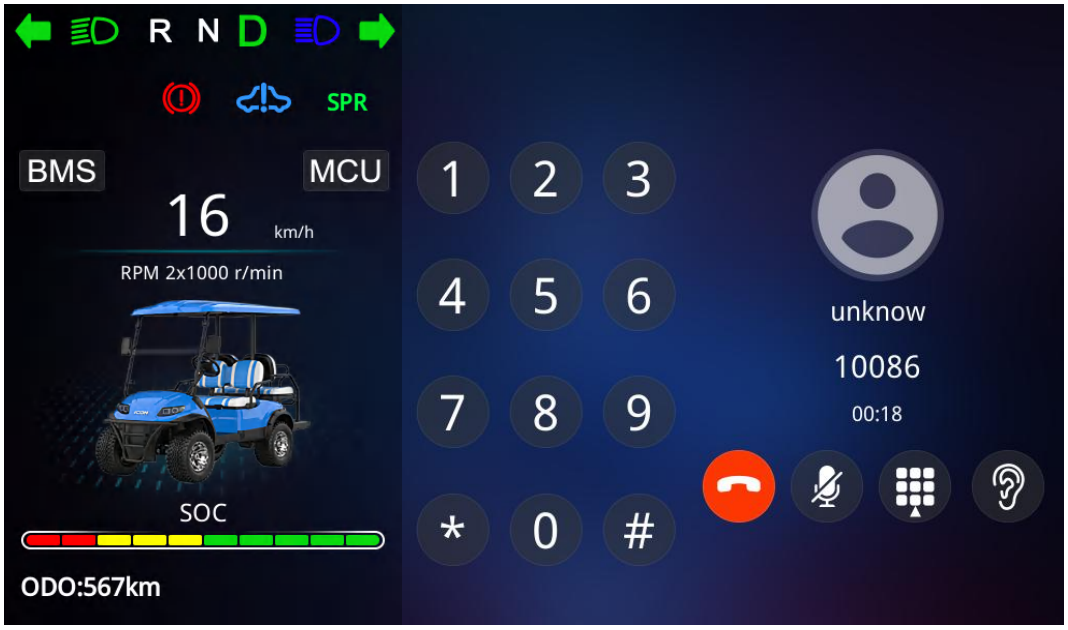


➢Call interface:When the call ends， Click Hang up icon to end the call ， Click the micro-phone icon to switch mute mode;Click icon toggle keyboard / the hidden keyboard; Click the icon to switch the multimedia system/ headphone mode.

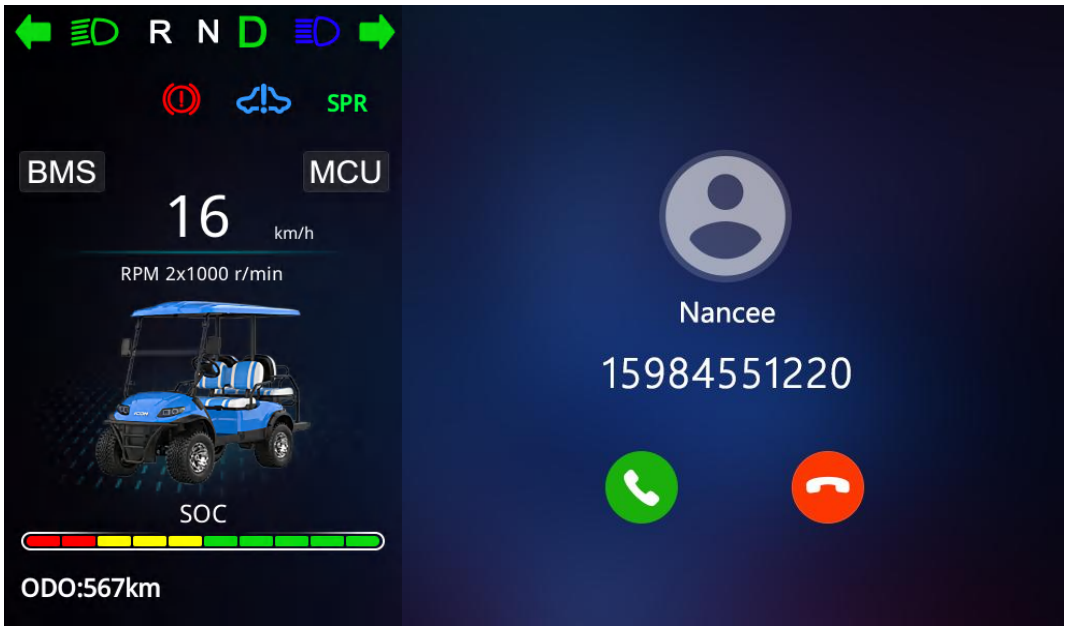


Functional application

➢Call interface



➢Main interface calls



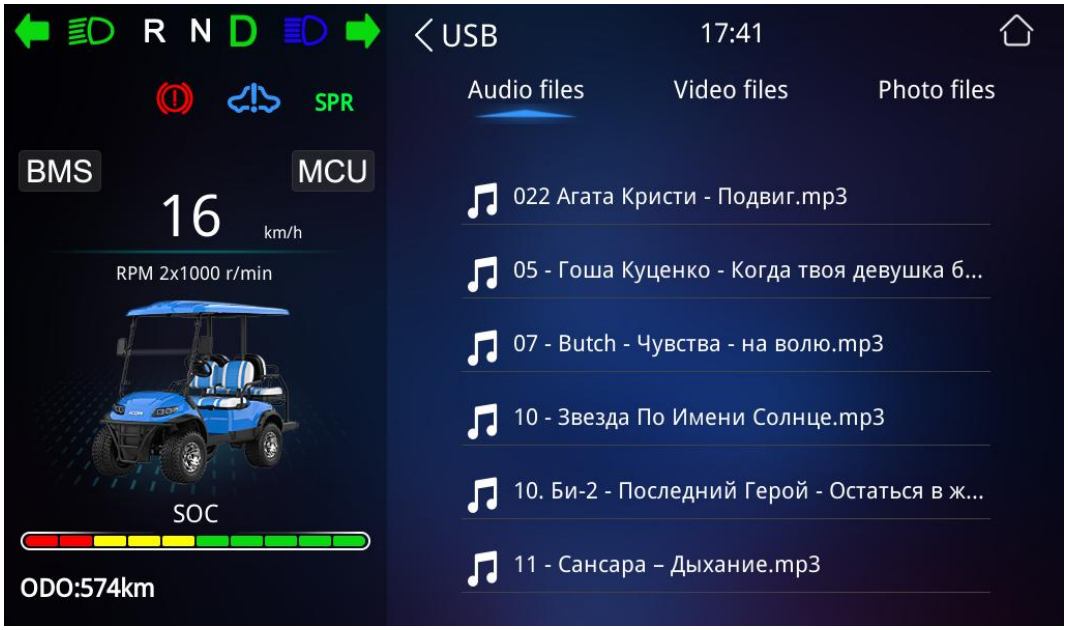
Functional application

USB

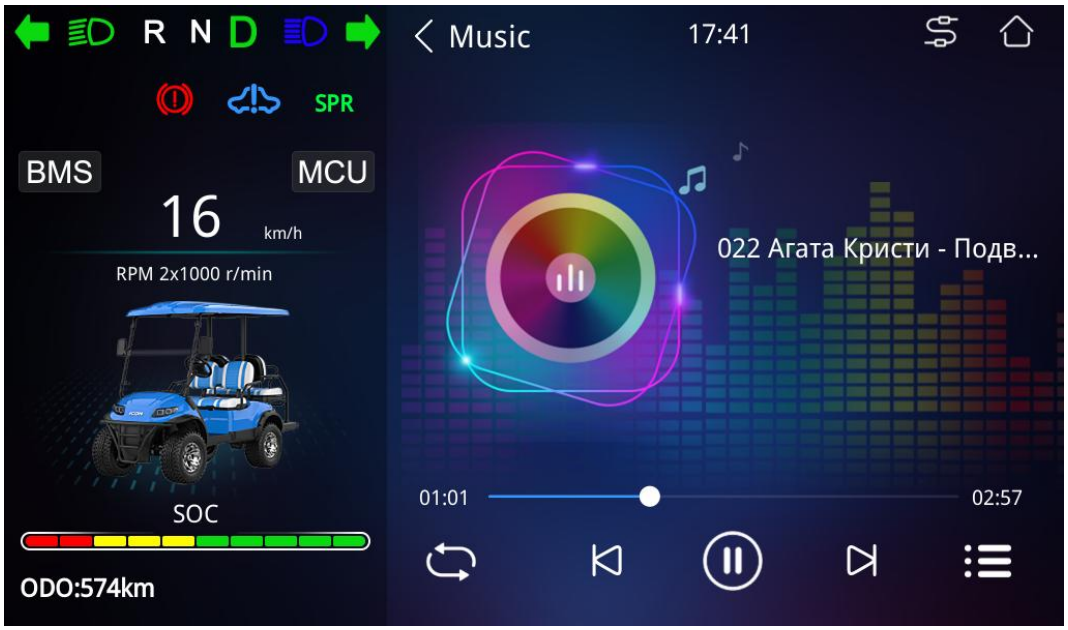
USB device is connected to the multimedia system, click the USB icon, prompting you to connect the USB device first.

➢ Audio files (synchronized music function)

The multimedia system has been connected to the USB device, click the "USB" icon to enter the music list interface, select any track to enter the playback interface. Enter The music interface controls play/pause, previous song, and next song. Click the icon to enter the EQ mode. Loop switching: Click to switch the playback mode, divided into random playback, sequential playback, and single loop. Click the icon to return to the music list interface.



➢ Music

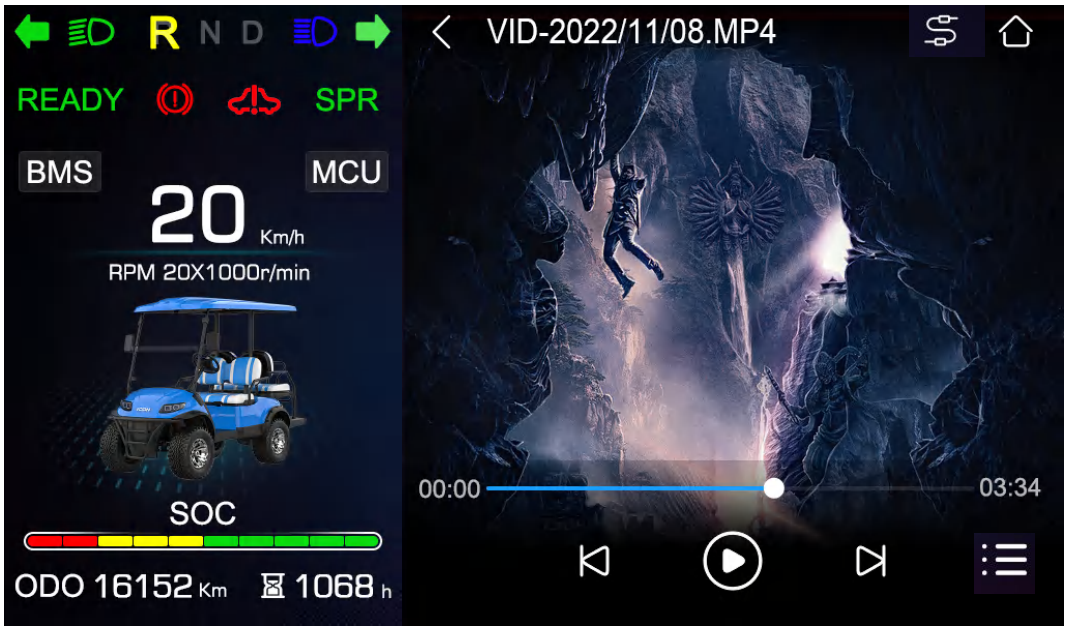


Functional application

➢Video files

The multimedia system has been connected to the USB device. Click "Video Files" to enter the video list, and all current video files will be displayed in the video list. Choose any video file and click to enter the video playback. In this interface, users can pause/play/close video files at any time according to their needs .

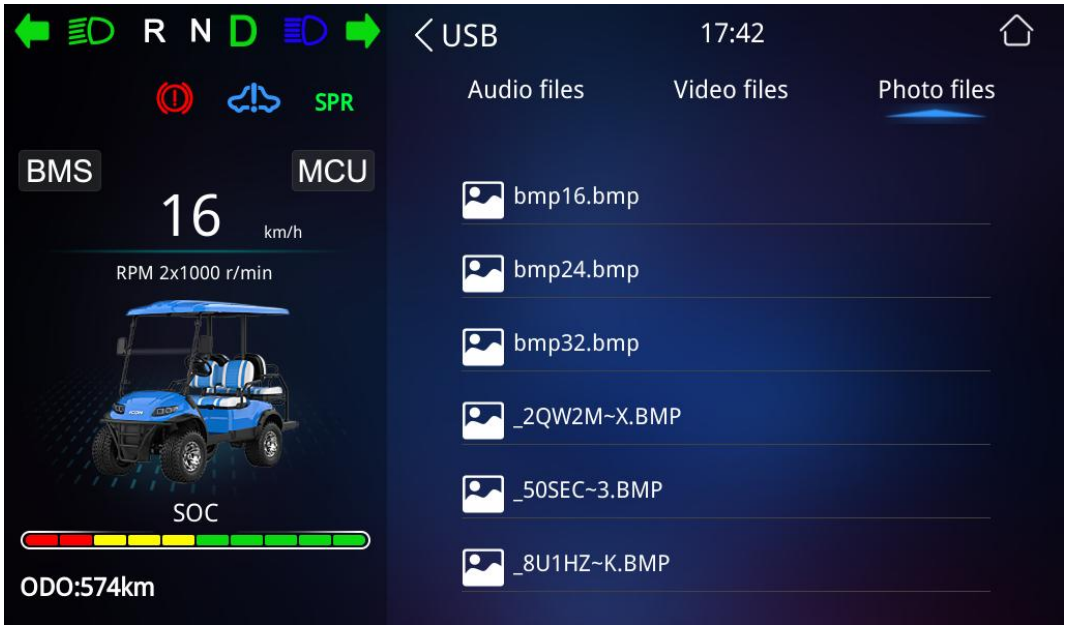
➢Video



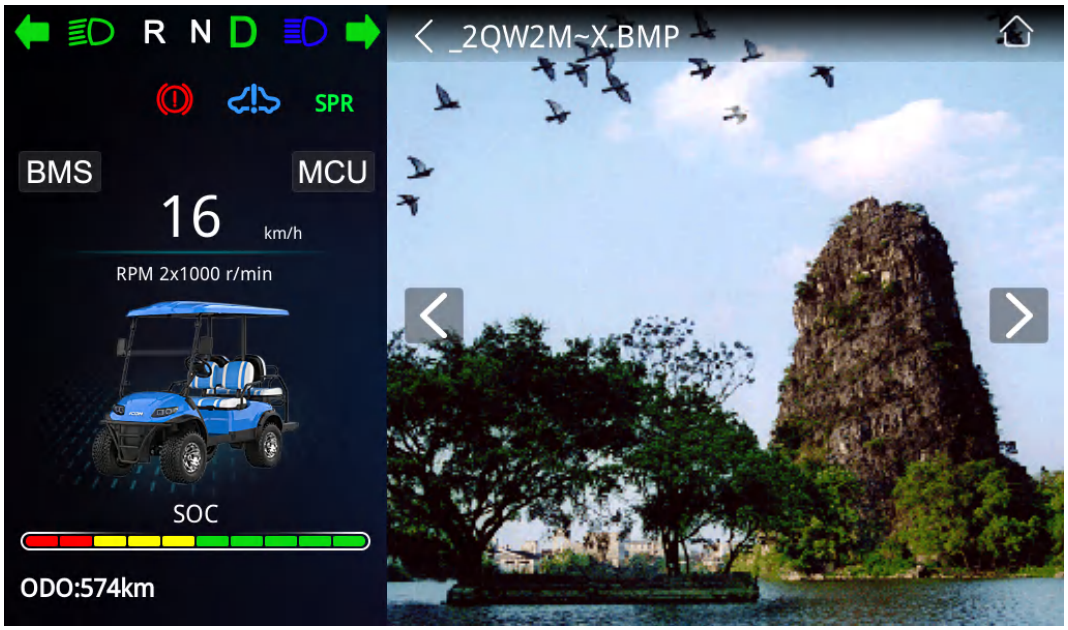
Functional application

➢Photo files

The multimedia system has been connected to the USB device. Click "Photo Files" to enter the photo list, and all current photo files will be displayed in the photo list. Choose any photo file and click to enter photo browsing. In this interface, users can double-click the screen to zoom in/out, browse and switch files in the previous/next position at any time according to their needs .



➢Photo



Functional application

Mobile Link

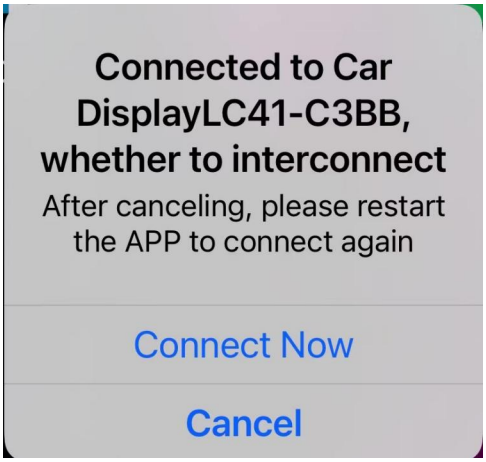
Click the "Mobile link" icon on the main interface to enter the application, and the mobile phone is connected to the multimedia system through USB connection and scanning code connection. After the connection is successful, you can perform screen projection and related operations. (The CarbitLink application needs to be installed on the mobile phone before using this function)
Android supports Android system version 7.0 or above ;
Apple supports iOS system version iOS12 and above.

➢CarbitLink Download and Install
For the first connection, you need to download and install the CarbitLink application on the mobile phone. The download and installation method is as follows:
1. Use the mobile phone's code scanning tool to scan the QR code on the multimedia system screen, and download CarbitLink according to the instructions.
2. Search and download CarbitLink through the Google App Store for Android phones and the Apple App Store for Apple phones.

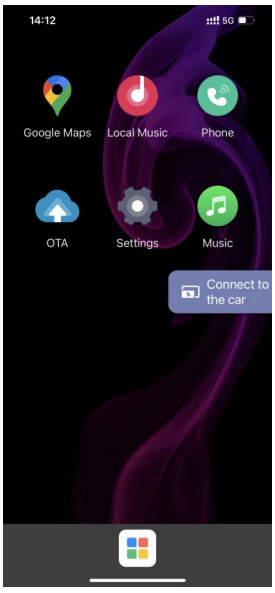
➢Apple mobile phone connection mode and use
Connection mode
1、USB connection
1.1、Open CarbitLink on the Apple mobile phone , and connect the USB charging cable of the mobile phone to the USB interface of the multimedia system screen to establish interconnection , which can realize in -app projection and mirror projection of CarbitLink.

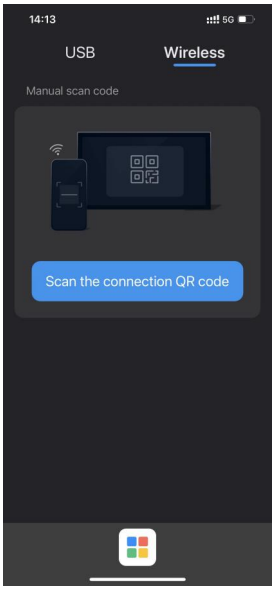
Functional application

1.2. The mobile phone is in the unlocked state. When connecting for the first time, the mobile phone will pop up a trust authorization window. Click "Connect Now", the connection is successful, and there will be no more prompts when the connection is established next time.
1.3. If you click "Cancel" or unplug the USB cable, the interconnection cannot be completed, and the display on the multimedia system screen will not be affected. The pop-up window will still prompt the next time you connect.



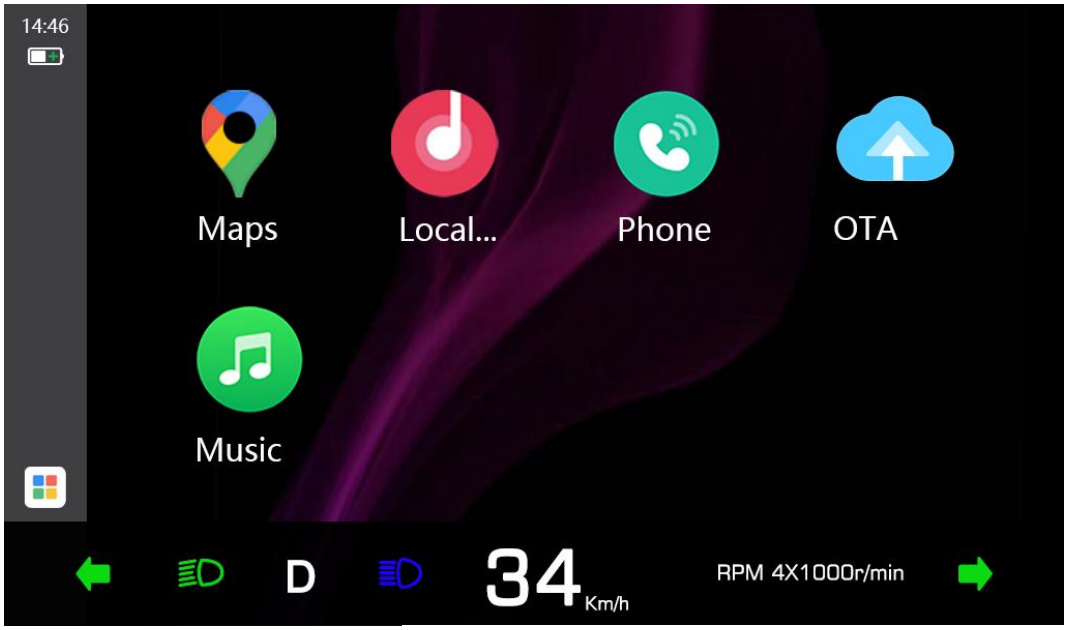
2. Scan code connection
2.1. On the main interface of the multimedia system screen, click " Mobile Internet" to enter the application, and select the Apple device. Open the CarbitLink app on the mobile phone, click " Connect to Vehicle" on the right, select "Wireless Connection", click "Scan the connection QR Code" to enter the scanning interface, and scan the QR code of the "Apple Device" on the multimedia system screen . The code will prompt "Does CarbitLink want to enter the wireless LAN Link-XXX?".
2.2. Click "Join" to enter the Internet connection. If the connection is successful, the in-app screen projection and mirror projection can be realized.
2.3. Click "Cancel" without affecting the display on the multimedia system screen. You can scan the code again, and the prompt will still be displayed.



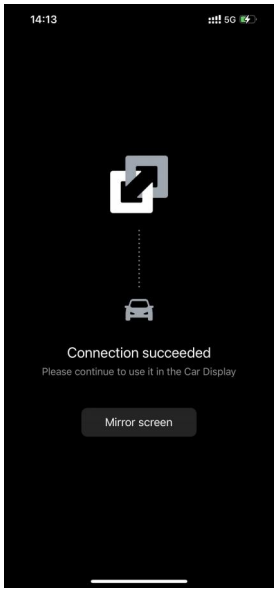


Functional application

2. Use of functions
1. In-app projection
1.1. After the mobile phone is successfully connected to the multimedia system screen, the CarbitLink function application can be displayed on the multimedia system screen, and Google Maps , local music , phone calls, music and other applications can be operated through the multimedia system screen.

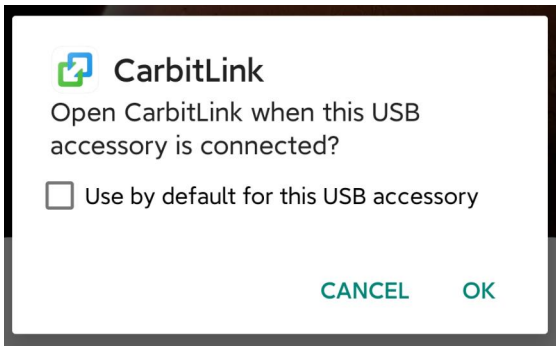


2. Screen mirroring
2.1. Click "Mirror screen" in the CarbitLink app on the mobile phone , click "Start Live Streaming", return to the main page of the mobile phone, and then you can cast the application on the mobile phone to the multimedia system screen, and operate the relevant application through the mobile terminal. The screen display of the multimedia system is synchronized.
2.2. Enter "Mirroring screen", the multimedia system screen does not support anti- control operation, and can only be operated on the mobile phone.

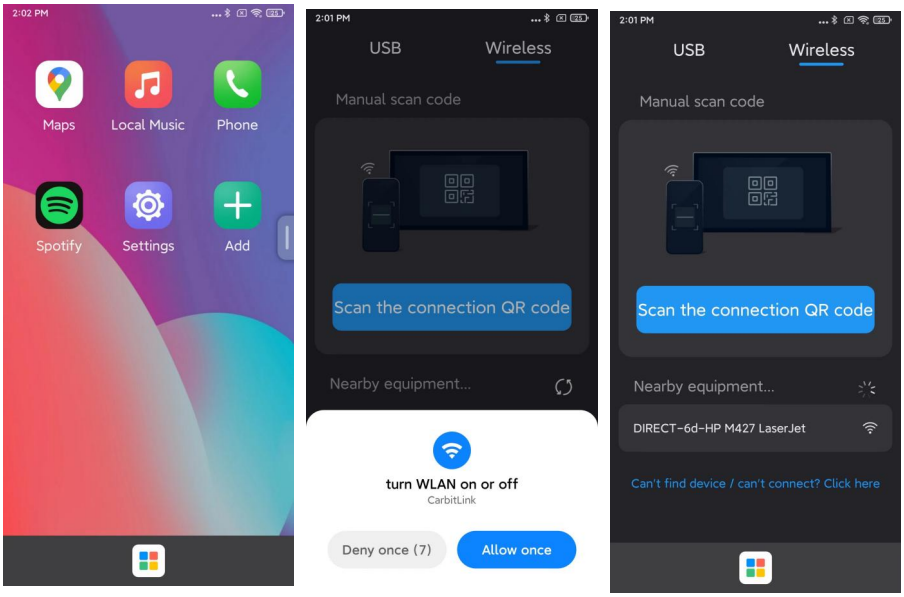


Functional application

➢How to connect and use in the Android mobile phone
Connection mode
1. USB connection
1.1. Connect the USB charging cable of the Android phone to the USB interface of the multimedia system screen to establish interconnection. The mobile phone and the multimedia system will automatically launch the CarbitLink application immediately, which can realize the in-app and mirror projection of CarbitLink .
1.2. The mobile phone is in the unlocked state. When connecting for the first time, the mobile phone will pop up a pairing authorization window. Click "OK", the connection is successful, and there will be no prompt when the next connection is established .
1.3. If you click "CANCEL" or unplug the USB cable, the interconnection cannot be completed , and the display on the multimedia system screen will not be affected. The next connection pop-up window will still prompt.



2. Scan code to connect
2.1. On the main interface of the multimedia system screen, click "Mobile Internet" to enter the application , select the Android device, open CarbitLink on the mobile phone, click "Connect Vehicle" on the right, select "Wireless Connection", and click "Scan the connection QR Code" to pop up WIFI Open the authorization box.
2.2. Click "Allow once", turn on the WIFI on the mobile phone, and then click "Scan the connection QR Code" to scan the QR code at the "Android Device" QR code on the multimedia system screen, enter the Internet connection, and the connection is successful, and the application can be realized Internal projection and mirror projection.
2. 3. Clicking "Deny once" will not affect the display of the multimedia system screen. You can click "Scan the connection QR Code" again, and the prompt will still pop up.

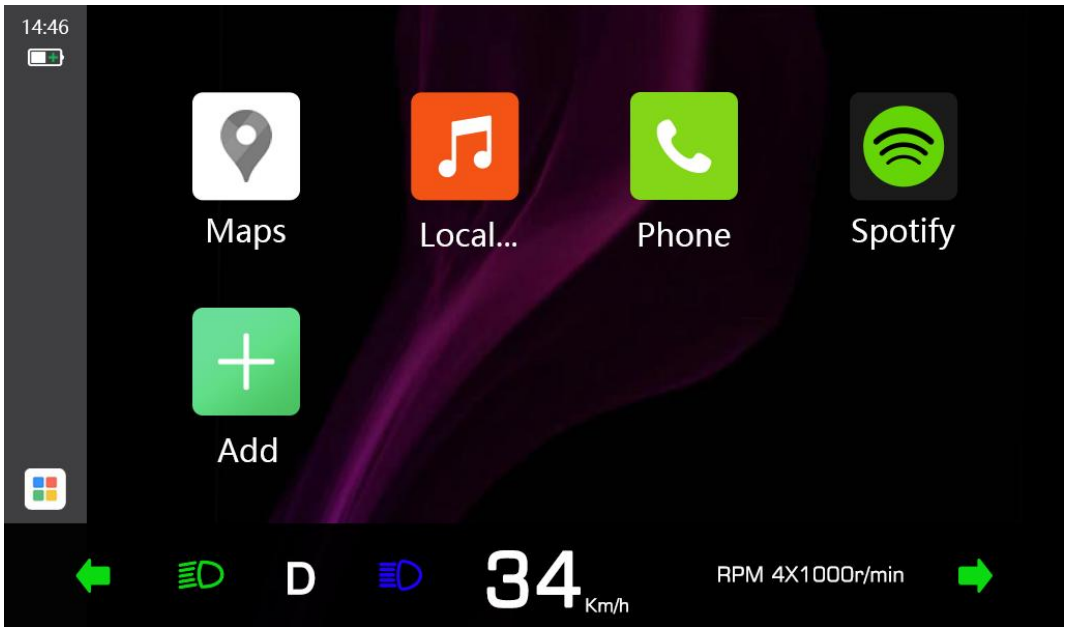


Functional application

2. Use of functions

1. In-app projection

1.1. After the mobile phone is successfully connected to the multimedia system screen, the CarbitLink function application can be displayed on the multimedia system screen, and Google Maps , local music , phone calls, music and other applications can be operated through the multimedia system screen.

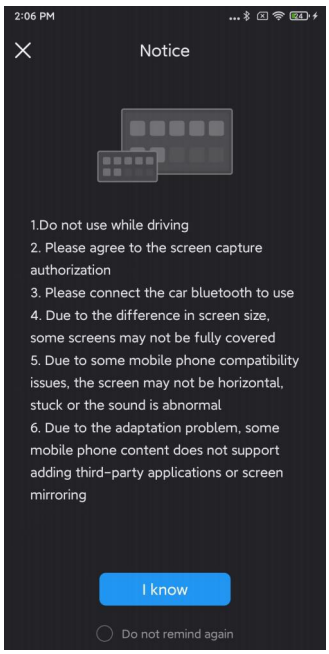


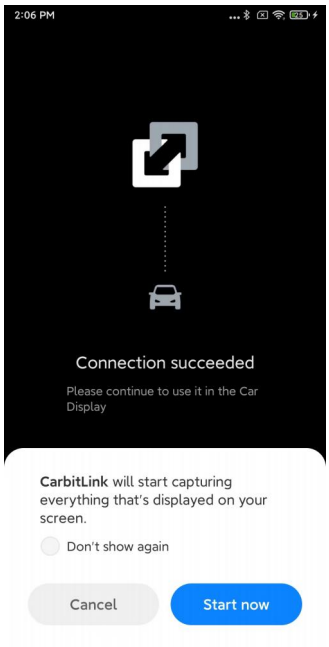
2. Screen mirroring

2.1. Click "Mirroring screen" in the CarbitLink app on the mobile phone , click "Start Live Streaming", return to the main page of the mobile phone, and then you can cast the application on the mobile phone to the multimedia system screen, and operate the relevant application through the mobile terminal. The screen display of the multimedia system is synchronized.

2.2. Enter "Mirroring screen" , the multimedia system screen supports anti-control operation, and it can also be operated on the mobile phone.

Functional application





Tips :

The multimedia system is not connected to Bluetooth. After the mobile phone is successfully connected, a pop-up box will prompt "Please use the mobile phone to connect to the multimedia system Bluetooth". Click "OK" or "Yes" to cancel the pop-up box display. Before Bluetooth is connected, the sound played by the mobile phone interconnection application is output from the mobile phone, and the multimedia system screen is connected to Bluetooth, and then the sound is output from the multimedia system .

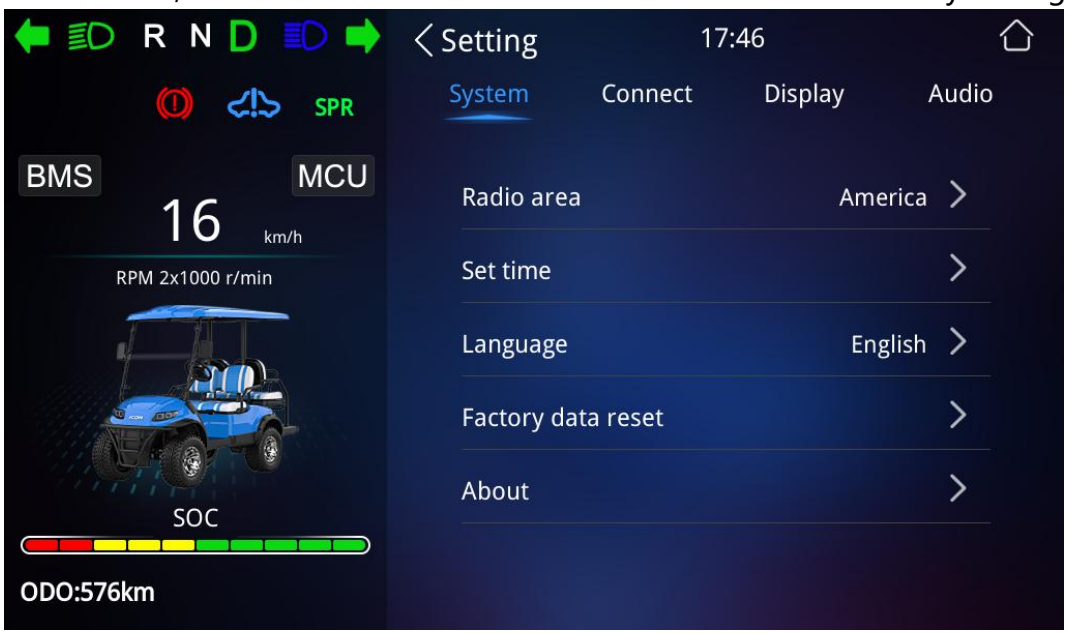
Functional application

Setting

On the main interface to enter the system “setting” interface, where you can set the system, connect, display, audio.

➢ System

Select the " System" tab to set the radio area, time, language, etc. In the factory reset option, you can quickly clear the previous settings If it is not necessary, please execute this option command with caution. In addition, the vehicle color and model are reflected in the factory settings .



➢ About

Click the APP version three times continuously to enter the factory mode interface.

Functional application

➢ Factory pattern

Enter the password 123456, click "Confirm" to enter the factory pattern setting. Click the "Factory pattern" to enter the model selection interface, where you can set the model. Click the "set vehicle color" to enter the vehicle color selection interface, where the vehicle color can be set.

Functional application

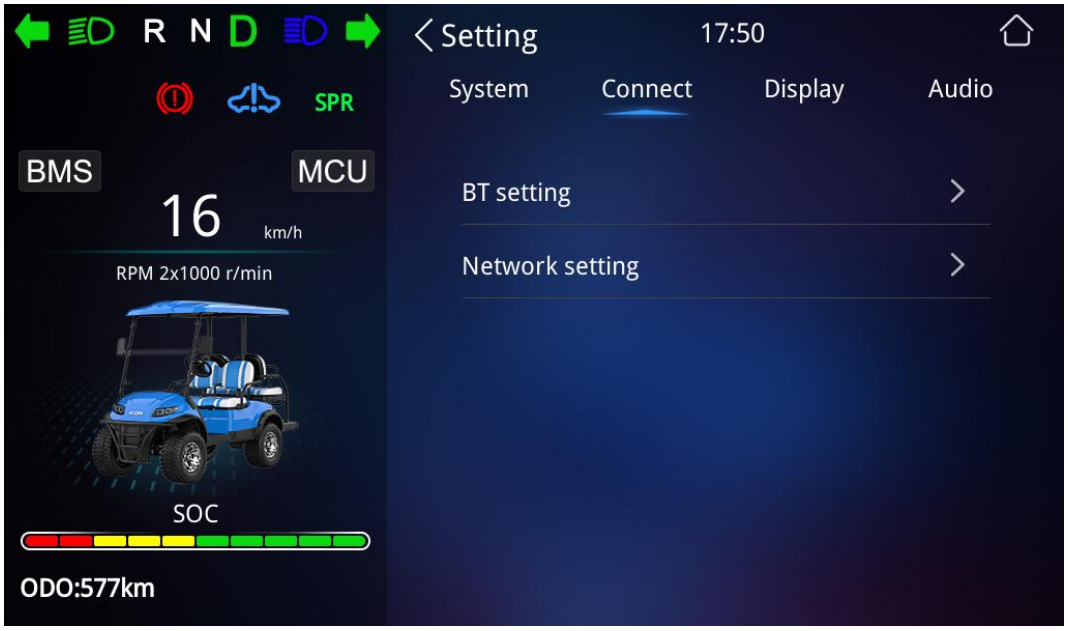
➢Choose vehicle model

➢ Set vehicle color

Functional application

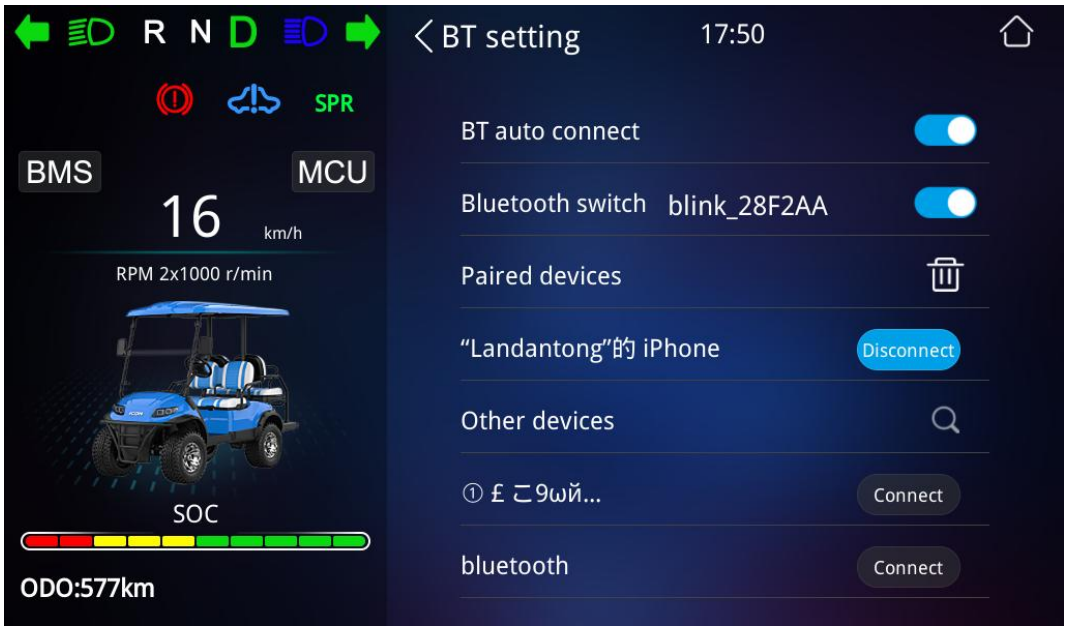
➢Connect

Select the "Connect" icon to make BT setting and Network setting.



➢ Connect - BT Setting

BT Phone provides you with a free and safe communication space, enabling you to drive the vehicle more safely. Realize the seamless connection with the multimedia system audio, and it is the wireless extension of the mobile phone function in the multimedia system. Click the "BT Music" icon in the main interface or enter Setting-Connect- ” BT Setting” to enter the Bluetooth setting interface:



Functional application

◆Bluetooth auto-connect switch: Turn on/ off the automatic connection to bluetooth function
◆Bluetooth switch: turn on/off the bluetooth function
◆ Paired device: Paired device can view the paired Bluetooth data, click connect/disconnect to connect/disconnect Bluetooth; click the [Delete] icon to delete Paired device list.
◆ Other devices: search for Bluetooth devices, select any device name in the new device list to match and connect
◆ Click the icon : return to the main interface
multimedia system and Bluetooth connection:
Using the multimedia system Bluetooth music and Bluetooth phone, you need to match the Bluetooth mobile phone with the multimedia system Bluetooth. When the Bluetooth mobile phone and the multimedia system Bluetooth are paired for the first time, you need to perform the following steps:
Method 1:
1. Open your phone's settings menu.
2. Turn on the Bluetooth communication device of the mobile phone and start the Bluetooth function.
3. Search for the device , select the Bluetooth device name and pair it with the connection.
Method 2:
1. Open the mobile phone settings menu, turn on the Bluetooth communication device, and activate the Bluetooth function.
2. On the Bluetooth setting interface of the multimedia system device, click Other devices to search, find the corresponding Bluetooth name of the mobile phone, and click Connect.
3. After the pairing request pops up on the mobile phone, click Allow, and the pairing will be automatically connected.

◆ Connect-Network Setting
Click the "Connect" icon, click Network Setting - “WiFi setting” , you can turn on/off the wifi wireless network, and select the device to be connected. After the connection, if the device name shows “connected” , it means that the multimedia system has been connected to wifi successfully .

Functional application

◆ Display

Select the " Display" icon, including color settings and backlight level settings, drag the progress bar left and right to adjust brightness, contrast, saturation,Bright day, Bright night etc.

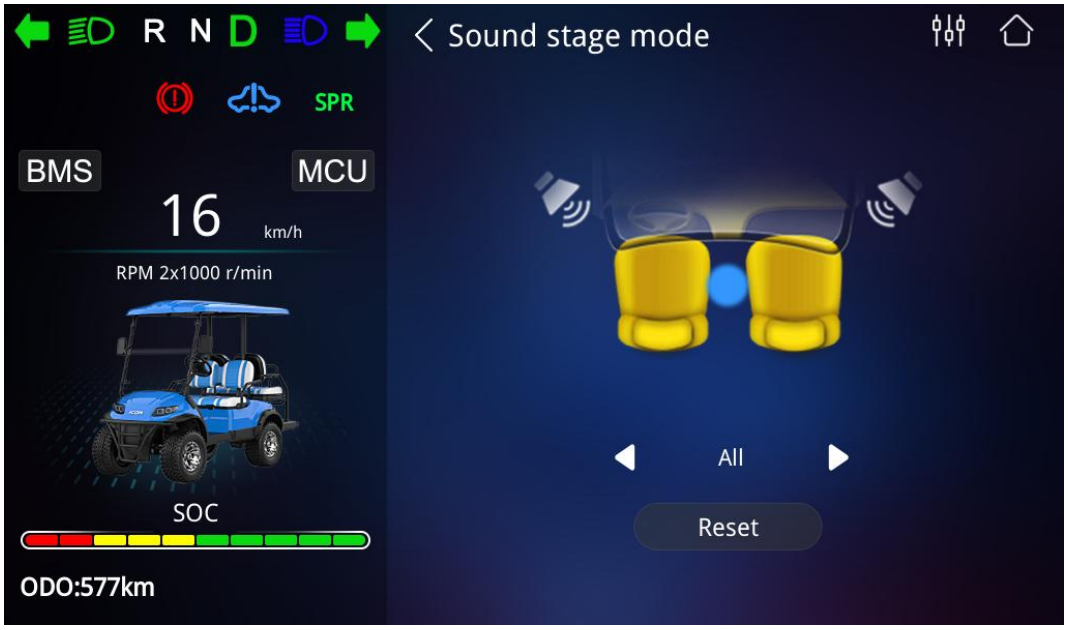
◆ Audio

Select the "Audio" icon, you can adjust the volume, and you can also set EQ, loudness, and reverse mute.

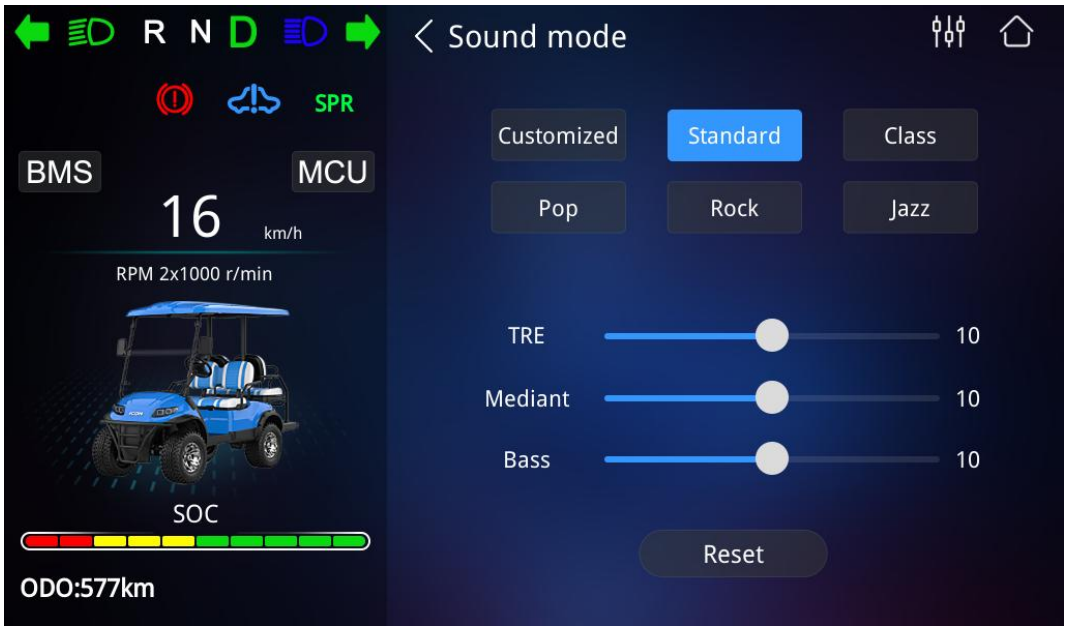
Functional application

Click EQ to enter the "Sound stage model", and enter the sound effect mode in the upper right corner, and you can set various modes such as standard, class, pop, rock, and jazz.

◆ Sound stage model



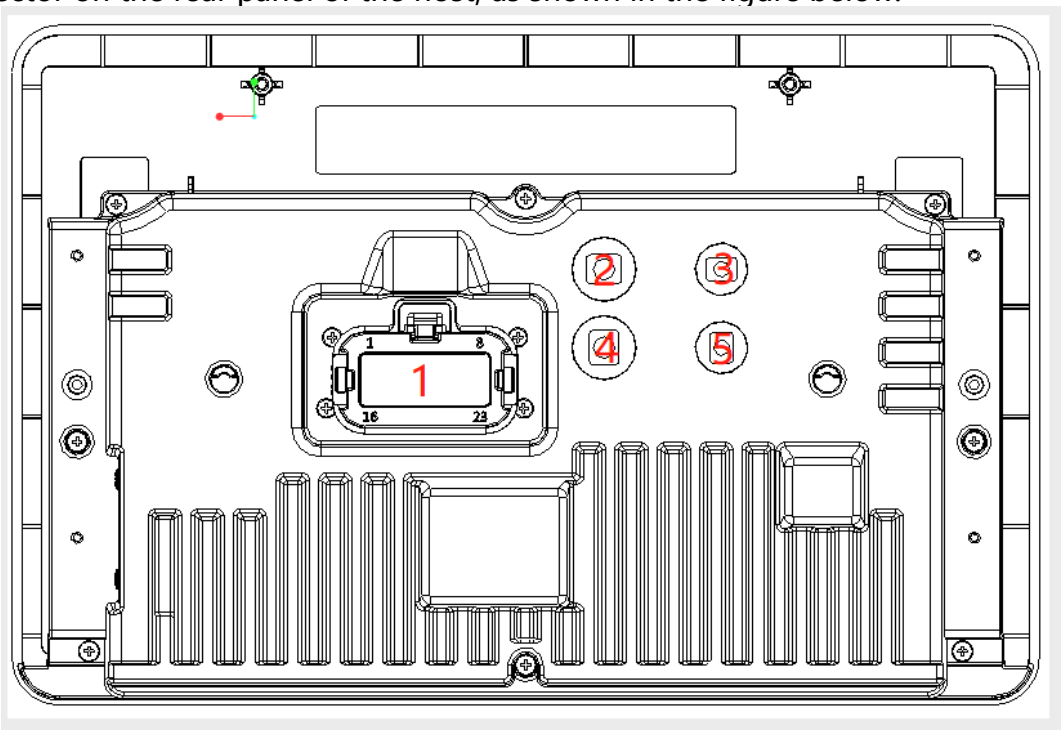
◆ Sound mode



Product connector

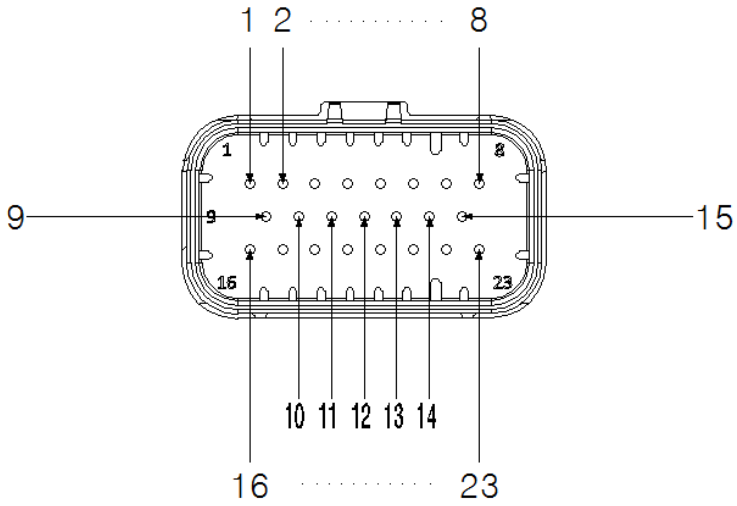
The schematic diagram of the line output connection of this product is as follows, which must be connected according to the regulations to ensure that the product can work normally.

◆ The connector on the rear panel of the host, as shown in the figure below:



Rear view

1. 23pin power socket sub-function definition table, as shown below:

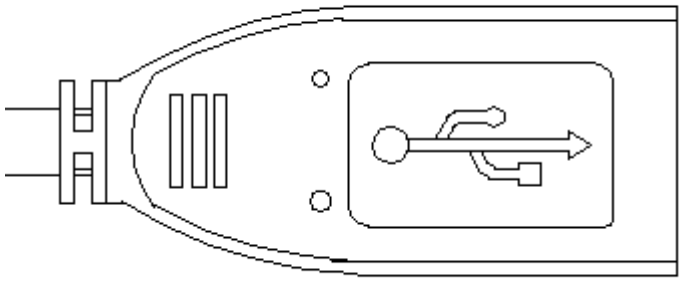


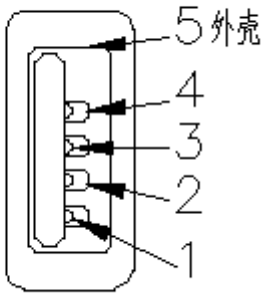
Product connector

PIN NO.	Function	PIN description	Remark
1	GND1	Battery grounding	
2	AUX-L	AUX-Left	
3	AUX-R	AUX-Right	
4	Brake	Brake input	
5	TURN_LEFT	Left turn signal input	
6	TURN_RIGHT	Right turn signal input	
7	HIGH_BEAM	High beam input	
8	DIPPED_HEADLIGHT	Low beam input	
9	BATT	Battery input	
10	AUX-GND	AUX-Ground	
11	Back	Reverse input	
12	ACC_IN	ACC input	
13	CAN_H	High Speed CAN BUS H	
14	POSITION_LAMP	Position light input	
15	CAN_GND	High Speed CAN BUS Ground	
16	FL-	Left front speaker -	
17	FL+	Left front speaker +	
18	FR+	Right front speaker +	
19	FR-	Right front speaker -	
20	CAN_L	High Speed CAN BUS L	
21	ADC_GND	Power_Ground	
22	ADC1	Power detection 1	Reserve
23	ADC2	Power detection 2	Reserve

Product connector

◆ 2. Function definition table of USB signal connector , as shown in the figure below:





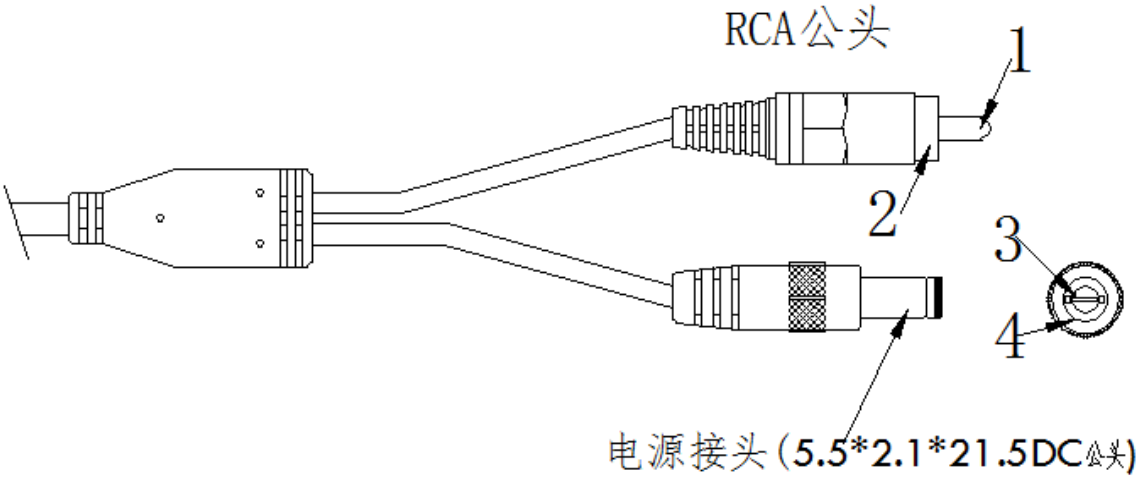
NO.	PIN	Function Description	Remark
1	1	USB_VCC：power supply 5V	
2	2	USB_D-：Data -	
3	3	USB_D+：Data +	
4	4	USB_GND：Ground	
5	5	Shielding_GND：Shielding Ground	

Product connector

◆ 3. Radio antenna function definition table, as shown below :

NO.	PIN	Function Description	Remark
1	1	ANT SIGNAL：Radio antenna signal input	
2	2	ANT SHIELD：Radio antenna shielding ground	

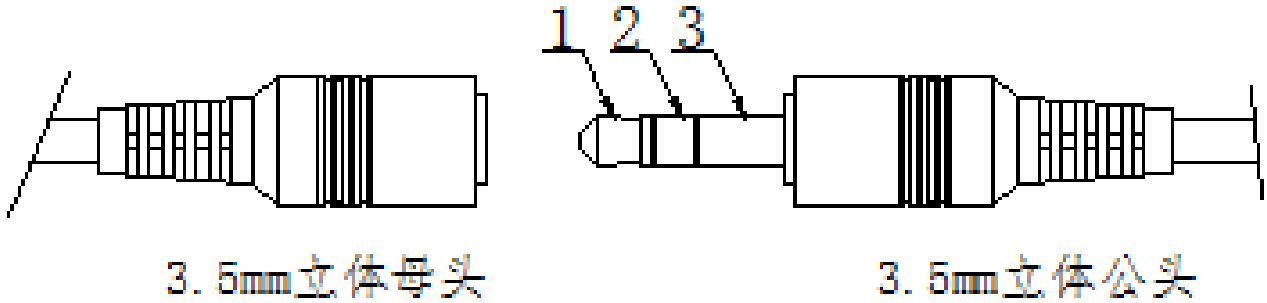
◆ 4.Function definition table of camera signal line, as shown in the figure below:



NO.	PIN	Function Description	Remark
1	1	RVC_CVBS_SIGNAL：Reversing video signal	
2	2	RVC_CVBS_SIGNAL_GND：Reversing video signal ground	
3	3	RVC_CVBS_VCC：Reverse Video power supply (12 V)	
4	4	RVC_CVBS_GND：Reverse video power supply ground	

Product connector

◆ 5. Microphone signal wire function definition table, as shown below:



序号	PIN脚	Function Description	Remark
1	1	MIC_P: Microphone +	
2	2	MIC_P: Microphone -	
3	3	MIC_GND : Microphone_shield ground	

Common Troubleshooting Guide

Note :

If you encounter the following problems during use, the troubleshooting guide will help you solve them quickly. If the problem is still not solved, please consult a professional or go to the sales office. Do not disassemble the machine privately to avoid serious consequences!

Issue	Reason	Countermeasures
Can't boot	The car key is not inserted into the door, and the switch is not turned on	Insert the car key and turn on the switch
	The power cord is not plugged into the multimedia system	Please plug in the power cord / Please check that the power connector is loose
	It may be that the fuse of the machine has been burned	Replace the fuse with the same rated current
Touch screen not responding	The system is busy, please wait a moment, if there is no response for a long time, it is recommended to contact us after sales The service department assists in solving	
Reversing without rearview image	Camera installed	Please plug in the camera / Please check the camera is Is it loose
During reversing , after reversing, press the invalid	The product design focuses on the original car with driving safety, preset camera priority	Only after the reversing action is terminated can the operate the machine

Repair and Maintenance

Lvtong new energy multimedia system all-in-one machine is a product with excellent design and craftsmanship, and should be used with care. The following suggestions will help you fulfill your warranty obligations and extend the life of your car entertainment navigation system.

1. Please keep the Lvtong new energy multimedia system all-in-one machine and all its parts and accessories out of the reach of children.
2. Please keep dry. Rain, humidity , and various liquids or moisture may contain minerals that can corrode electronic circuits. If the machine is exposed to water or submerged in water, it will damage components and cause irreparable damage.
3. Do not use or store the machine in dusty or dirty places . Doing so will damage its removable parts.
4. Do not store the machine in an overheated place. High temperatures can shorten the life of electronics, damage batteries, and warp or melt some plastic parts .
5. Do not place the machine in a place that is too cold. Otherwise, when the temperature of the machine rises or returns to normal temperature, moisture will form inside which will damage the circuit board.
6. Do not throw, knock or shake the machine. Rough handling of the machine can damage it .
7. Do not attempt to disassemble the machine. The handling of the machine by non-professionals will damage the machine .
8. Do not use strong chemicals, cleaning agents or strong detergents to clean the machine .
9. When using or storing the machine, please keep away from electromagnetic, radioactive or magnetic field equipment.
10. Use a soft and clean cloth to wipe the screen, do not use ordinary paper to wipe the screen.
11. The LCD screen is easily damaged, please do not use sharp objects for clicking operations.

Warning

Thank you for purchasing Lvtong Automobile products!

Our company continues to improve and optimize the products, please refer to the actual display interface, if there is any change without prior notice.

Please read this manual carefully, because the information in it can let you know how to safely and correctly operate the Lvtong new energy multimedia system all-in-one machine , and learn from it Get maximum driving enjoyment.

◆ For your safety, you should lower the volume of the media before driving , so as to perceive and judge the surrounding driving conditions.

◆ Please do not operate multimedia systems or watch videos while driving.

◆ Please do not let children to operate the multimedia system to avoid personal injury or machine damage.

◆ Please do not use it in places where the use of electronic equipment or open flames is strictly prohibited , such as: gas stations, wineries, areas with strong electromagnetic interference, etc., otherwise it may cause danger.

◆ Please do not maintain or install the machine by yourself . Do not install or maintain the machine while the power is on. It is very dangerous to install and maintain the machine by non-professional personnel.

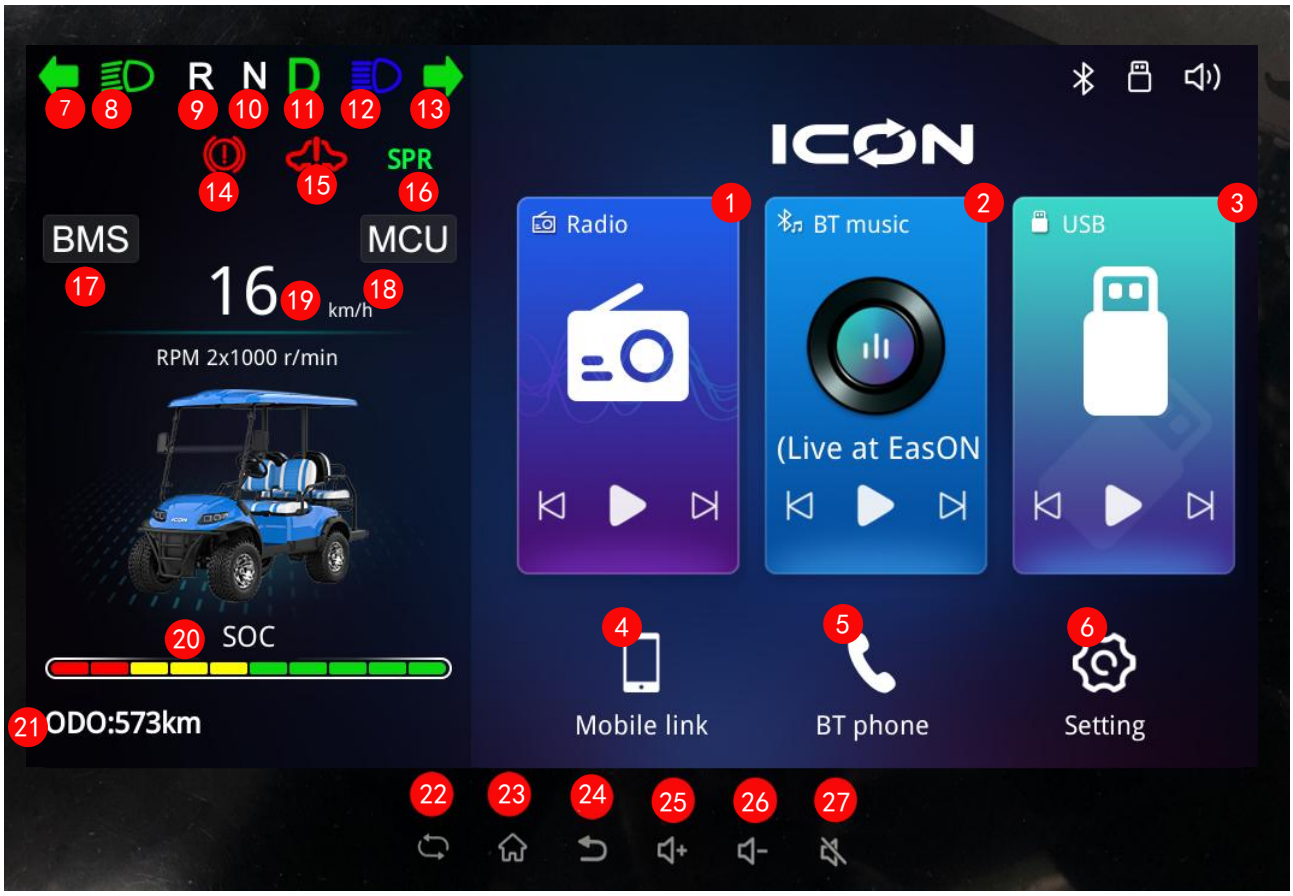
◆ Do not scratch the display screen with sharp objects , and do not press the display screen vigorously, otherwise it will cause damage to the display screen or touch screen.

◆ In order to ensure the normal operation of the machine and prevent fire or electric shock, please do not expose the machine to a humid environment, let alone put liquid spilled on the machine.

◆ The pictures in this manual are schematic diagrams and are for reference only. Guangdong Lvtong New Energy Electric Vehicle Technology Co., Ltd. reserves the right of final interpretation of this manual .

Multimedia system and Description

The main interface is described as follows:



NO.	Designation	Operate	Illustrate
1	Radio	Short Press	Enter the radio interface
2	BT music	Short Press	In the case of Bluetooth connection, click to enter Bluetooth music playback
3	USB	Short Press	On USB When connected, click to enter the USB file playback
4	Mobile link	Short Press	Click to enter the mobile link interface
5	BT phone	Short Press	In the case of Bluetooth connection, click to enter the Bluetooth phone
6	Settings	Short Press	Click to enter the setting interface