

User Manual



Directory

1. Productoverview	2
2. Productcompositionlist	3
3. Productdescription	4
4. TF SD cardspecifications	6
5. Wiringinstructions	7
6. Camerainstallation	8
7. Interfacespecification	9
A. AppleCarPlay	10
B. AndroidAuto	12
C. DVR.	14
D. Playback.....	15
E. Audiooutput	16
F. Setting.....	19
8. Troubleshooting	25
9. Productparameters	28

Warning:

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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:

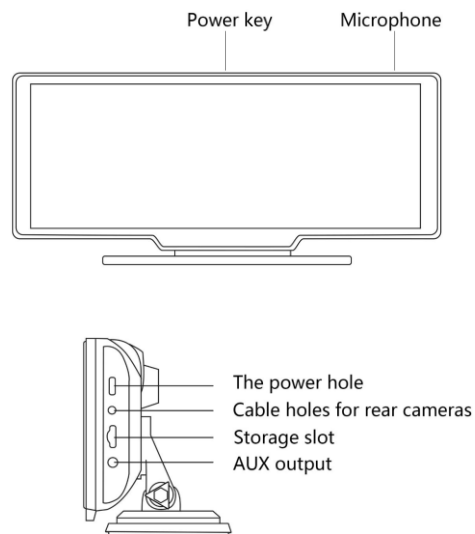
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

1. Product overview

The CS_1026 uses two wide-angle cameras installed inside and outside the vehicle to capture images of the surrounding area and transmit them to the integrated device in real time. With the help of this system, the driver can see the obstacles and pedestrians around the vehicle intuitively, and effectively to reduce the occurrence of scraping, collision, collapse and other accidents. This product can record all driving videos to avoid accident fraud.



2.Package list

Name	Graphic	Introduce	Quantity
Smart Screen		10.26-inch FHD display (1600*600) channel camera interface / touch control / Bluetooth / WiFi / FM Transmitter /SD card recording /Power harger with Type-C plug	1
The power cord		Type-C power cord/12-24V input/5V output/ integrated cable/take power from cigarette lighter	1
Backup camera		AHD FHD (1080P/4PIN BMW Type)	Optional
Extension Video cord		About 6m/ 2.5mm headphone plug / 4PIN BMW type connector/double shield/with reverse trigger wire	Optional
Monitor screen base		Support the screen display, fix it onto the center console	1

TF SD card		Class10 High-speed TF SD card	Optional
Aux cable		Audio transmission line	1

3 . P r o d u c t d e s c r i p t i o n

Item	Function introduction	Detailed description
System	Language	SimplifiedChinese/TraditionalChinese/English/Russian/ Spanish/French/GermanJapanese/Korean/Arabic/Italian / Portuguese
	Interface	Graphical menu operation
	Mode of operation	Touch screen
Video input	Video input	2 channels of FHD video input
	Video mode	Start recording video as soon as you turn on the device, without missing a second
	The video format	4K H.264 video, separate storage for each channel video saved
Video display	Real-time display	10.26-inch HIGH-DEFINITION IPS screen, 1600 x 600
	The playback	Localplayback, available to review at anytime
	The screen saver	Screensavercanbesetto several modes: Off/10seconds/30seconds/1 minute
	Reversing display	It can automatically switch to the reversingscreen



Reversing screen	Adjust rear view camera guidelines	Adjust rear view camera guide lines
---------------------	---------------------------------------	-------------------------------------

Wireless connection mode	Wi-Fi	Supports Apple CarPlay and Android Auto
	Bluetooth	Support Bluetooth music playback
	FM	Support FM Transmitter
Video storage	TF SD card	CLASS-10 U1,Compatibility 32GB minimum and 256GB maximum
Audio part	The microphone	Support microphone recording, you can turn it on/off
	Voice control	Support voice control, you can turn it on/off
Power part	The power input	Supports 12V-24V power voltage. There are power protection circuits
Power consumption	Two-way video	Less than 10W (screen display, 2-channel camera recording)
Other	Working temperature	-4°F to 149°F (-20°C to 65°C)
	The video time	Video recording duration can be set
	camera mirroring	The camera supports mirror display

4. TF SD Card specification

The quality of the TF SD card has a great impact on the stability of video recording. To record videos safely, we recommend using SD cards from major brands such as SanDisk, Kingston, Toshiba and Samsung. The speed certification must be at least Class10.



5. Wiring instructions



The details are as follows

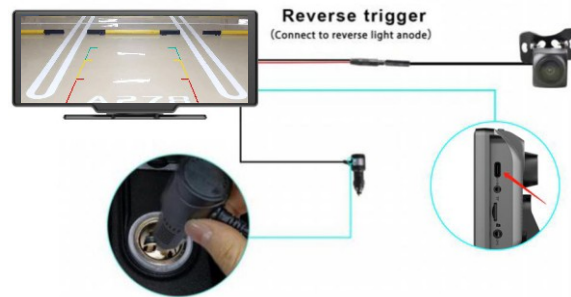
Port	Instructions
Type-C power plug	Power supply port
Cigarette charger	Takes power directly from the cigarette lighter Note: The product comes with a special cigarette lighter charger. If you do not use our original charger, you need to buy a compatible high-quality cigarette lighter charger. Otherwise, the device may be easily damaged due to insufficient voltage or other injuries may occur. In addition, the FM transmitter function will not work

	normally.
--	-----------

6. Camera installation

Find the drilling hole, find the corresponding installation position in the license plate bracket, mark it with a pen, and then drill the screw hole of the corresponding size. Fix the camera to the rear of the car with screws. The reversing trigger cable (the red wire) needs to be connected to the positive pole of the reversing light. Finally, use the video extension cable to connect the camera to the screen.

(This is not necessary, if you choose the version without a reversing camera)

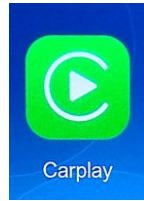


7 . U s e r I n t e r f a c e



- 1.Home button: return to home page
- 2.Brightness icon: adjust the screen brightness
- 3.Volume button: adjust the output volume
- 4.DVR: enter the video recording interface
- 5.Apple CarPlay: Especial driving interface for iPhone
- 6.Android Auto: Especial driving interface for Android mobile phones
7. Apple AirPlay: cast the iPhonescreen to the host monitor
- 8.Android Cast: cast the screen of an Android phone to the host monitor
- 9.Wi-Fi video: Follow the tips, connect to Wi-Fi
- 10.Audio output: Select the sound output mode
- 11.Playback: review a video recorded
12. Setting button: the setting interface

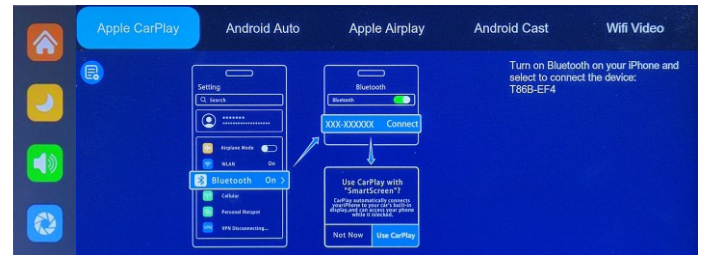
A p p l e C a r P l a y



Firstly, turn on the WiFi and Bluetooth of your iPhone, then tap the [Apple CarPlay] button to enter the Apple CarPlay interface as shown. The Bluetooth of the device will be turned on automatically with the name T86-XXXX. Connect the Bluetooth to your iPhone and follow the iPhone's instructions to open the app.

After switching on, the device automatically tries to connect to the iPhone.

(Turn off Bluetooth and Wi-Fi of your iPhone to disconnect. The CarPlay option only supports Apple iPhone. For Android phones, please select the [Android Auto] option)



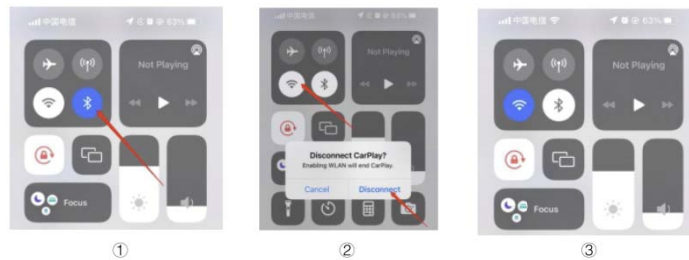


(Half-screenmode)

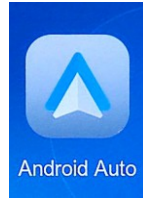


(Full-screenmode)

Note: In the mobile phone dropdown menu, you need to turn off Bluetooth first and then turn off WiFi to disconnect Carplay. The device will still try to connect to the mobile phone if you only turn off your mobile phone's WiFi.

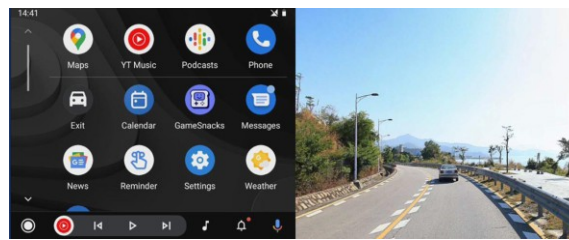
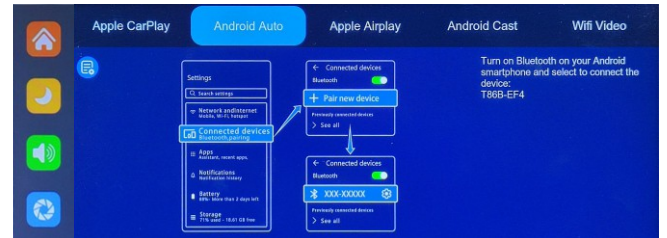


Android Auto

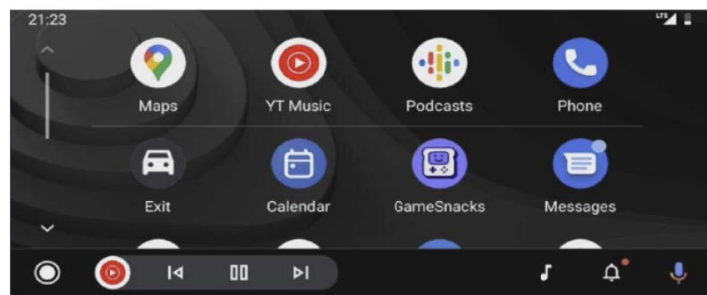


As shown in the figure, click the [Android Auto] button to enter Android Auto. Firstly turn on WiFi and Bluetooth of your android phone, and then select the [Android auto] option as shown in the photo, the host's Bluetooth will automatically turn on, the name of the Bluetooth is T86-XXXXX. Connect the Bluetooth to your phone to open the application.

When the host device is powered on, it will automatically attempt to connect to the last connected phone

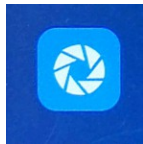


(Half-screen mode)

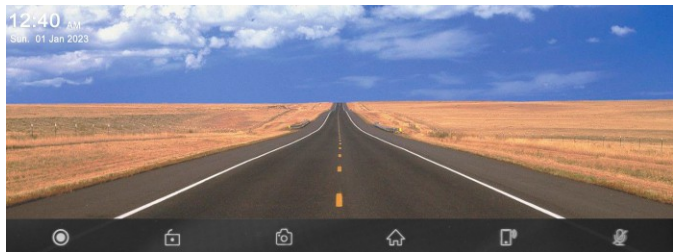


(Full-Screen Mode)

DVR



As shown in the picture, the main page will not directly display the camera image, you need to click the DVR button to enter DVR interface and view the camera video. When a TF SD card is inserted, the system automatically enters the video mode. In the recording mode, a small red dot will flash.

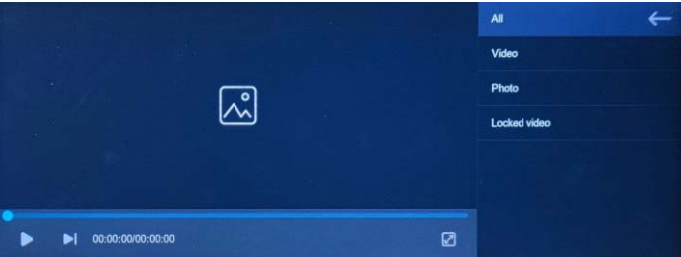


	Start/stop video
	Lock the video, then the video data will not be deleted
	Click to take a photo
	Return to main screen
	The wireless connected screen is displayed
	Turn on or turn off voice recording

Playback



As shown in the photo, click the [Playback] button to enter the video playback interface.



You can click on the playlist on the right to watch video or photo



[Video] Video captured by front/rear cameras [Photo]
Pictures taken by the front/rear cameras [Locked video]
The protected video(s)

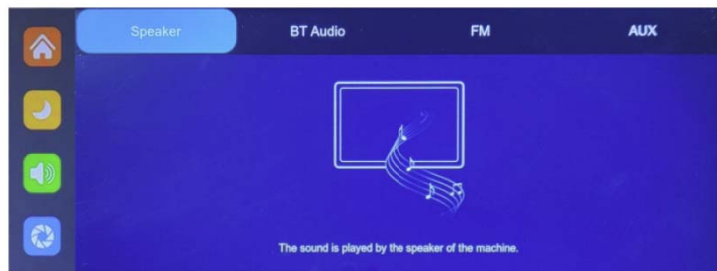


Click the [Delete] button to delete the item.

Audio output



As shown in the photo, click the [Audio Output] button to enter the audio output selection interface.



(1) [Speaker]: The sound will be played through the device's speaker.



(2) [Bluetooth]: After selecting this mode [BT Audio], the Bluetooth transmission mode will be returned on. Turn on your vehicle's Bluetooth then, connect your cell phone's Bluetooth to your car. After the car Bluetooth connection is successful, all the sounds of the device will be transmitted to your car speakers through Bluetooth transmission.

After selecting this mode, the volume icon will change to the Bluetooth transmission icon , and the volume cannot be adjusted on this device, it must be adjusted on your vehicle.

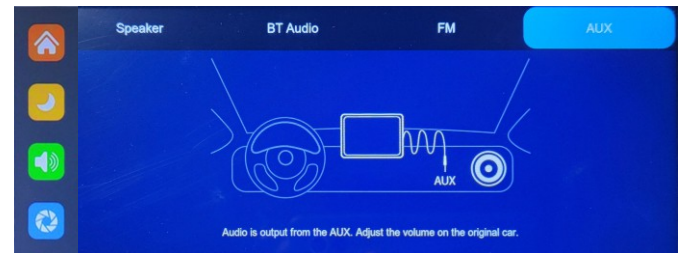


(3)[FM]: After selecting this mode, FM transmission mode will be turned on. For example, the FM transmitting frequency band of this equipment is set to FM106.0MHz(any unoccupied channel can be used), tune your car radio to the same frequency FM 106.0 MHz, then all sounds of the equipment will be transmitted to your vehicle radio.

Note: The sound transmission of FM mode may be interfered by radio clutter. Try a different FM frequency, if it doesn't work well.

After selecting this FM mode, the volume icon will change to FM emission icon [], and the volume cannot be adjusted on this device then, it can only be adjusted on your vehicle radio.

(Using a non-original power cord will weaken the FM Transmitter signal, the function cannot be used under some circumstances)

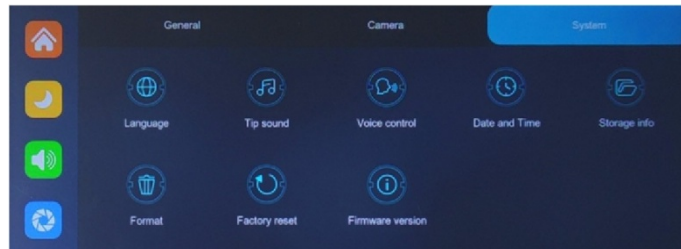
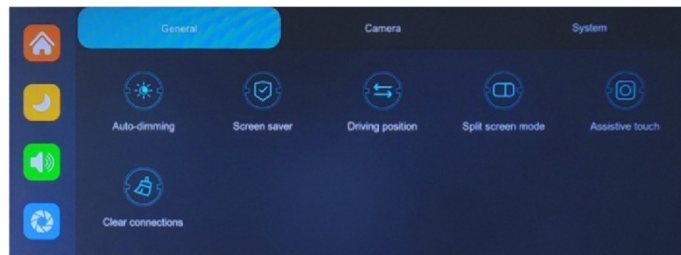


(4) [AUX]: After selecting this mode, the AUX output mode will be turned on. Connect the equipment to your vehicle's AUX port with an AUX cable. After the connection is successful, set your car to be AUX-IN mode, then all the sounds of the equipment will be transmitted to your vehicle speakers through the AUX cable.

After selecting this mode, the volume icon will change to AUX output icon [], and the volume cannot be adjusted on this device, it can be adjusted on your vehicle.

Setting

As shown in the photo, click the [] icon to enter the setting interface.



Icon	Specification
 Auto-dimming	Click to enter the [Auto-dimming] settings You can turn it off or on. Night brightness Settings. Enable time Settings
 Screen saver	Click [Screen saver] to enter the settings. Screen saver can be set to: off / 10 seconds / 30 seconds / 1 minute. After entering the screen saver, you can click any place of the screen to resume the screen display.
 Driving position	Click [Driving Position] to enter the setting. You can select left-hand drive or right-hand drive. On the menu of Apple CarPlay, you can choose it accordingly.
 Split screen mode	Click to enter the [Split screen mode] settings Split screen mode is only available for CarPlay and Android Auto



Assistive touch

Click to enter the [Assistive touch]
settings

You can turn it on/off. Operation
shortcut keys are available under this
function

Icon	Specification
 Clear connections	Click to enter the [Clear connections] settings Clear connection records with a cell phone (Bluetooth, Wi-Fi, Cast / MirrorLink)
 Camera format	Click to enter the [Camera format] settings: A. 720P B. 720N C. 1080P D. 1080N
 Record resolution	Click to enter the [Record resolution] settings A. 720P B. 1080P C. 2.5k D. 4K
 Split time	Click [Split time] to enter the setting of the video duration time Video duration time is optional: 1 minutes / 3 minutes / 5 minutes The system default is "3 minutes"
 Microphone	Click [Microphone] to enter the settings You can turn it on/off.

Icon	Specication
 Rear mirror image	Click [Image mirror] to enter the settings: You can turn it on/off This option makes it easier for customers to install a reversing camera flexibly.
 Reverselinecalibration	Adjust guide lines of reversing mode.
 Language	Click [Language] to enter the settings Available Language: Simplified Chinese / Traditional Chinese / English/ Russian / Spanish / French / German/ Japanese/ Korean / Italian / Portuguese
 Tip sound	Click to enter the [Tip sound] settings You can turn it off/on
 Voice control	Click [Voice Control] to enter the settings Available Voice control commands: show front camera / Show rear camera / Turn on display / Turn off display / Show all cameras. 5languageVoice control commands. After opening the option, in the video interface, say the corresponding command, the system

	will perform the corresponding operation.
--	---

	Icon
 Date and Time	Click on [Date & Time] to enter the settings Set up separately: year / month / day / hour/ minute / second / 12-Hoursystem / 24-Hour system
 Storage info	Click to enter the [Storage info] setting Click to view TF SD Card's memory capacity
 Format	Click [Format] to enter the settings. This option formats all dataof the inserted SD Card. <u>It is recommended to manually format TF SD card to ensure sufficient memory capacity and smooth recording, when you start to use the SD card at the first time.</u> Note: We recommend that you format your SD card regularly.
 Factory reset	Click [Factory reset] to enter the settings.By this operation, you can restore all settings to the initialones.

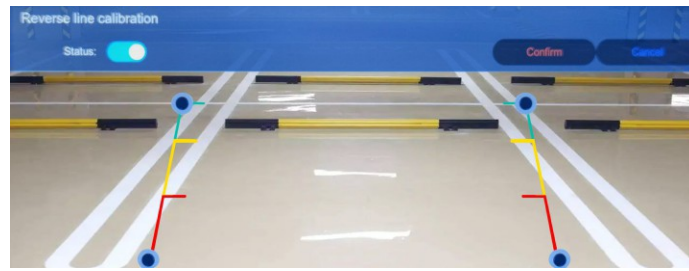


Firmware version

Click on [Firmware version] to enter the menu.
This option is available in the current basic version for easy confirmation.

Parking Guide Lines Calibration

Click [Reverse Line Calibration] to enter the settings



Park your car in the middle of the parking zone, manually hold and drag , adjust the position of the reversing auxiliary line up, down, left and right, till the reversing auxiliary line reflects the actual and correct distance status.

After adjusting the reversing line, click [confirm] to finish.

Click [Cancel] to cancel settings and exit.

8. Troubleshooting

Item	Problem	Solution
1	Unable to power on the device	(1) Check whether the plugs of the cigarette lighter power cord are connected correctly and firmly. (2) Check whether the power cord is at a good shape and status. Avoid any damage or unauthorized modification.
2	The touch screen doesn't respond	(1) Touch screen is unavailable during power-on. Wait till the device enter the main interface, start to use touch screen. (2) Check whether the touch is damaged. Do not use sharp objects on the touch screen, as this can easily cause scratches and damage to the touch screen.

3	The rear-view camera doesn't work	(1) Buy and use the manufacturer's rear-view camera, make sure plug and ports match. (2) Make sure the camera's plugs are connected firmly and correctly. (3) Check whether the camera's video format matches.
4	The machine has overheated	Avoid exposing the machine to strong sunlight for a long time. The normal operating temperature of the machine is -4°F to 149°F (-20°C to 65°C). After working in a high temperature environment for a period of time, it is recommended to turn off the power to let the device rest.
5	CarPlay can't be connected	(1) It takes longer time for the first-time connection (2) It works with only iPhone's Carplay (3) Make sure your iPhone's Bluetooth and Wi-Fi work normally and set them to be on. (4) Go to Settings - General - Clear connections, delete all connection records. Ignore all devices listed on your iPhone's Bluetooth list. (5) Restart the device and your iPhone, connect them again.

6	Android Auto can't be connected	(1) Only Android phones are supported (2) Update your Android phone and the related APP to the latest version. (3) Do not enable VPN on your mobile phone (4) Make sure the Wi-Fi and Bluetooth of your cell phone work well, and set them to be on (5) Ignore all devices on your Phone's Bluetooth list. Restart your Android phone and the screen.
7	Bluetooth music doesn't work	Set the Audio Output mode to [BT Audio]. Other mode doesn't support Bluetooth music.

Reminder: Please ensure that there are no obstacles and disruptors between the mobile phone and the device, and the Wi-Fi / Bluetooth signal communication is smooth, otherwise the product functions can't perform properly.

Model No.	CS_1026J
Main Control IC	High performance SOC
Wireless function	Wireless Apple Carplay, Wireless Android Auto
Screen	10.26-inch IPS screen, 1600*600 HD resolution
Storage	TF SD Card, Class-10, Compatible with 32GB to 256GB
Wireless module	Wi-Fi,Bluetooth, FM Transmitter
Camera	Front 4K Dash Cam and Rear 1080P backup camera
Speaker	2W speaker
FM transmitter	87MHz-108MHz
Reversing video	Automatically switch to reversing camera with trigger wire
Working voltage	12V-24V
Power consumption	Less than 10W
Size	260 *130* 66mm
Weight	About 1.1kg
Material	ABS/ PC

