



ADVANCED SAFETY VISION SYSTEMS

AVM10S 10" HEAVY DUTY QUAD VIEW
WIRELESS SMART AI MONITOR

USER MANUAL



ADVANCED SAFETY **VISION SYSTEMS**

Contents

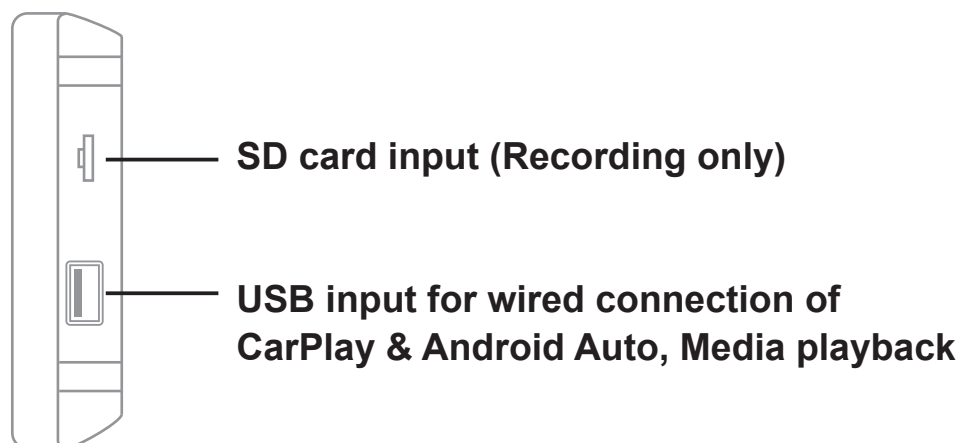
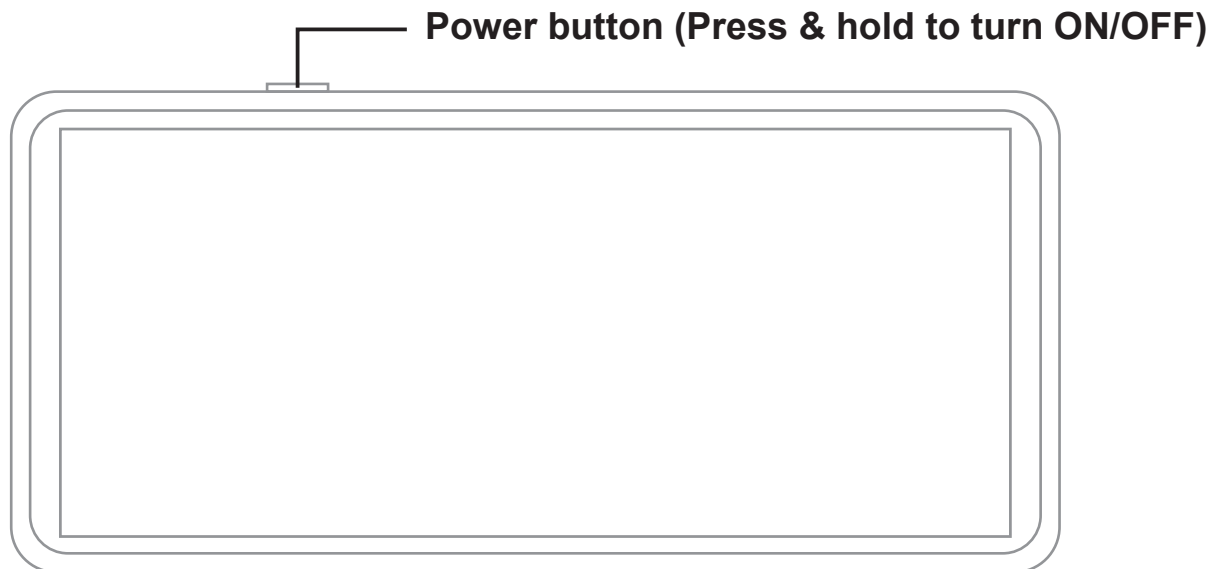
Introduction.....	1
Product installation.....	2
Home screen.....	3
System settings icons.....	4
System settings.....	5
Audio output settings (Speaker).....	12
Audio output settings (FM transmitter).....	12
Audio output settings (CarPlay & Android Auto).....	12
Connecting via Apple CarPlay.....	13
Connecting via Android Auto.....	14
Bluetooth music.....	15
Media player.....	15
Connecting a camera.....	16
Specifications.....	17
Technical assistance.....	18

ADVANCED SAFETY **VISION SYSTEMS**

Introduction

The AVM10S is a 10.26-inch Capacitive Touch-screen Multimedia player designed to seamlessly integrate with your smartphone.

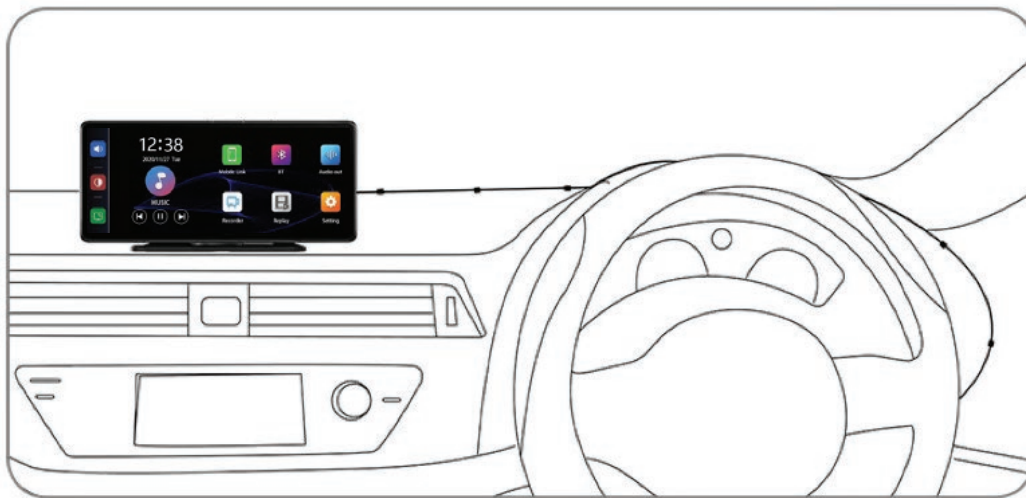
This innovative device serves as a second display on your dashboard, seamlessly integrating Android Auto and Apple CarPlay for effortless smartphone connectivity. With wireless smartphone connectivity via Bluetooth & WiFi, you can effortlessly sync your smartphone to the AVM10S, and enjoy audio playback using a variety of options such as the FM transmitter function using your car's sound system. You can even utilise the inbuilt speaker. Plus, for added convenience and safety, this exceptional device is able to input up to 4 reverse cameras (sold separately).



ADVANCED SAFETY **VISION SYSTEMS**

Product installation

1. Fix the monitor to a flat surface using the adhesive base. Making sure it is safely away from the steering wheel.

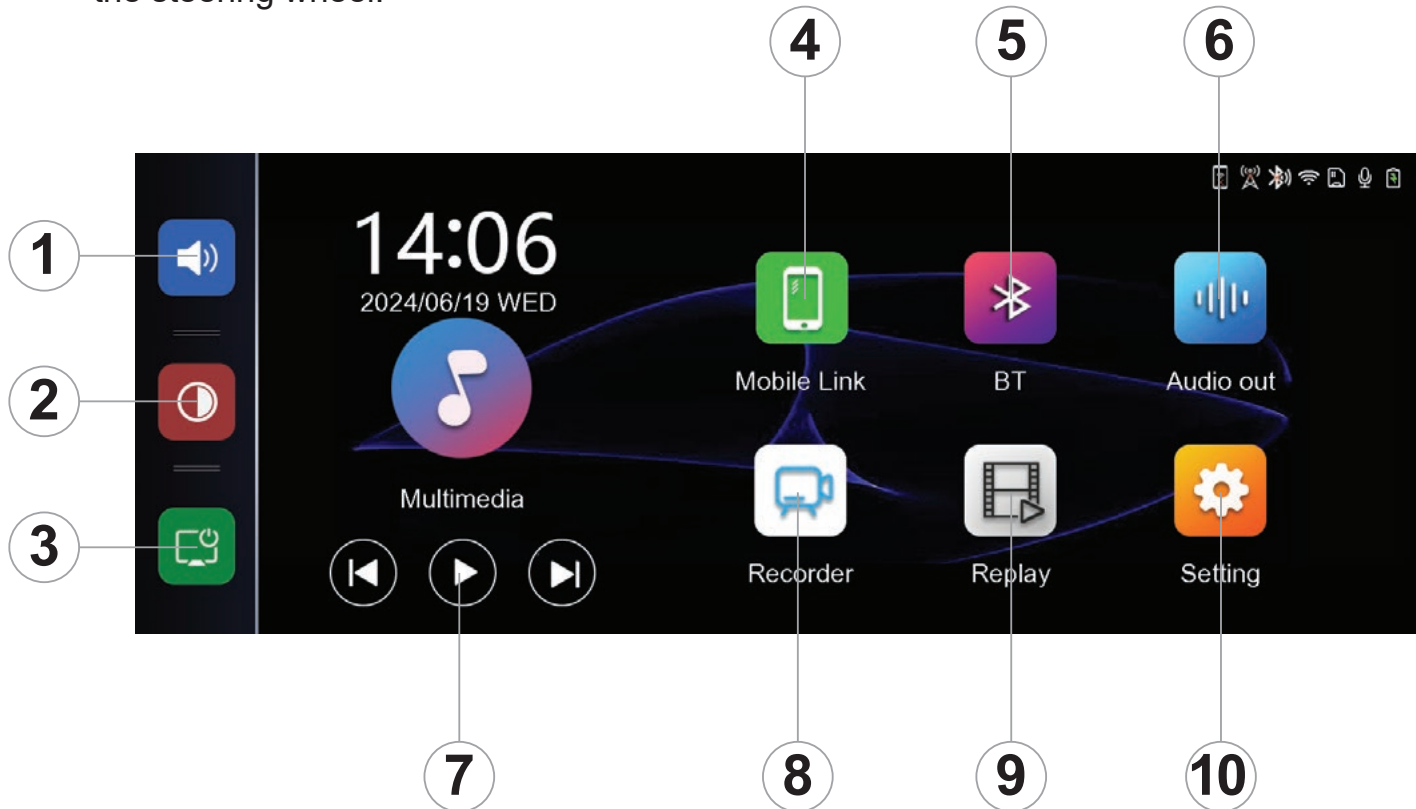


2. The monitor is hardwired to the vehicle using 12-24V constant , accessory and ground connections.

ADVANCED SAFETY VISION SYSTEMS

Home screen

1. Fix the monitor to a flat surface using the adhesive base. Making sure it is safely away from the steering wheel.

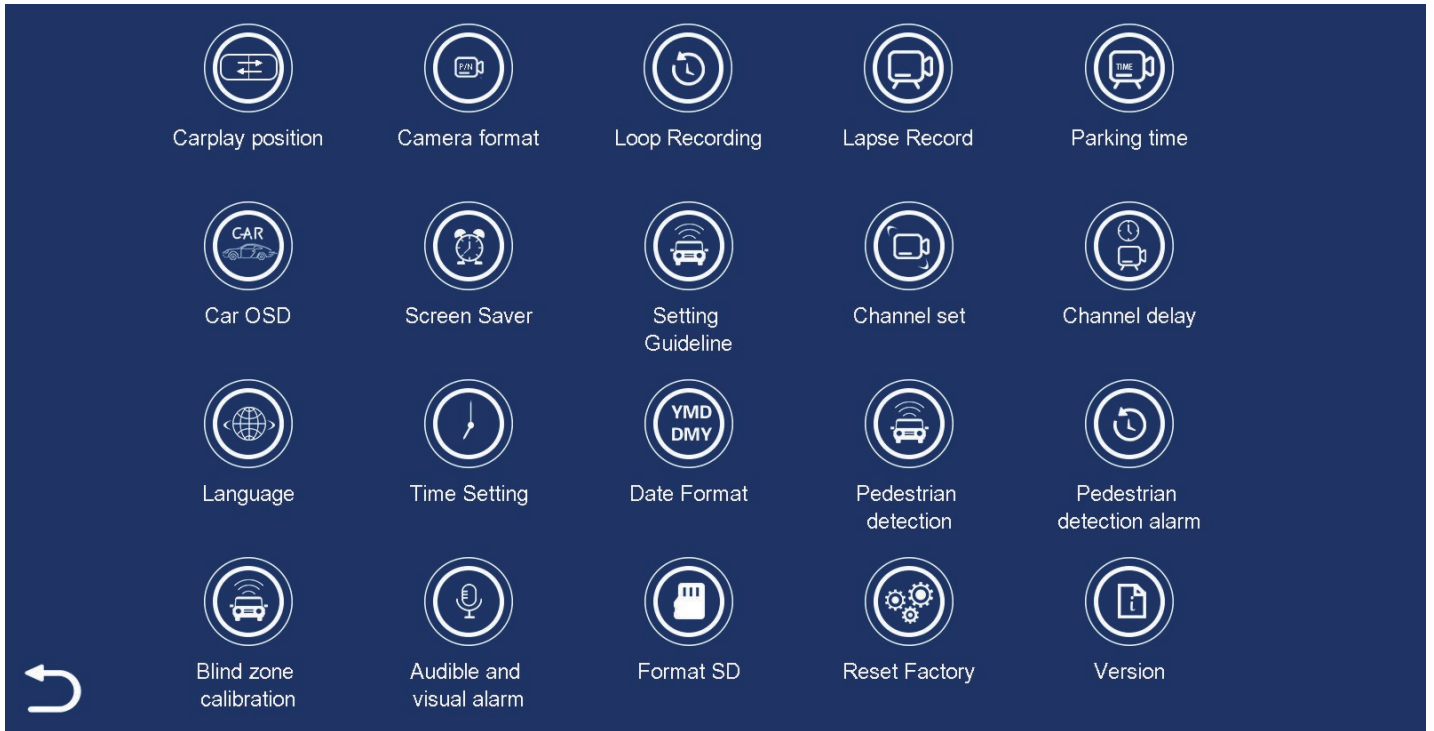


1. Volume control
2. Brightness control
3. Screen display On/Off
4. Smartphone connection: CarPlay/Android Auto/Bluetooth
5. Bluetooth connection
6. Audio output: Speaker/FM/Bluetooth
7. Multimedia input playback options
8. Live view camera
9. Playback
10. Settings

ADVANCED SAFETY **VISION SYSTEMS**

System settings icons

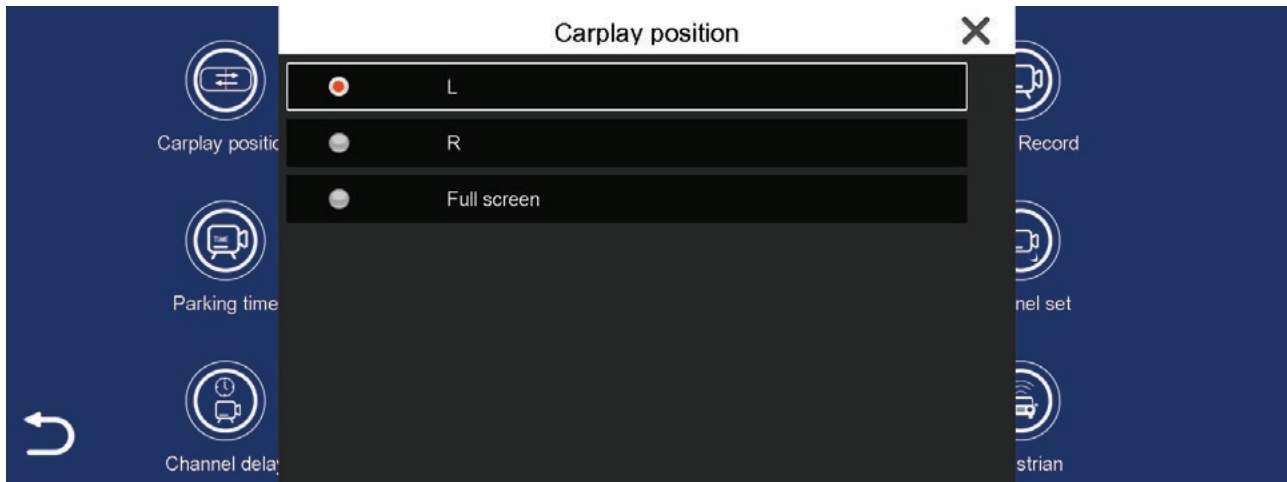
Select the Setting icon on screen you want to enter, then press the screen again to select the setting options.



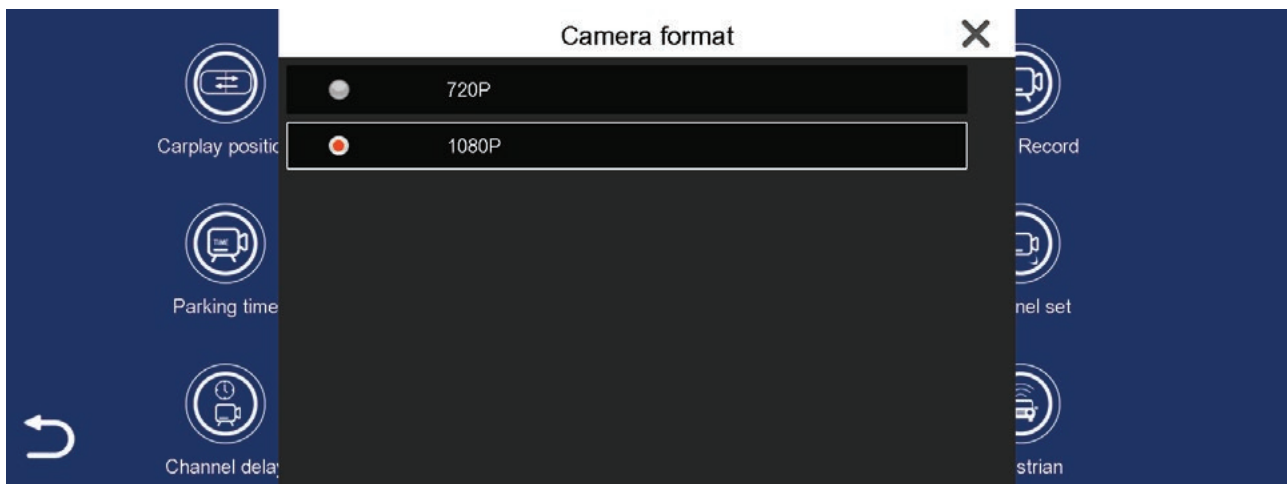
ADVANCED SAFETY VISION SYSTEMS

System settings

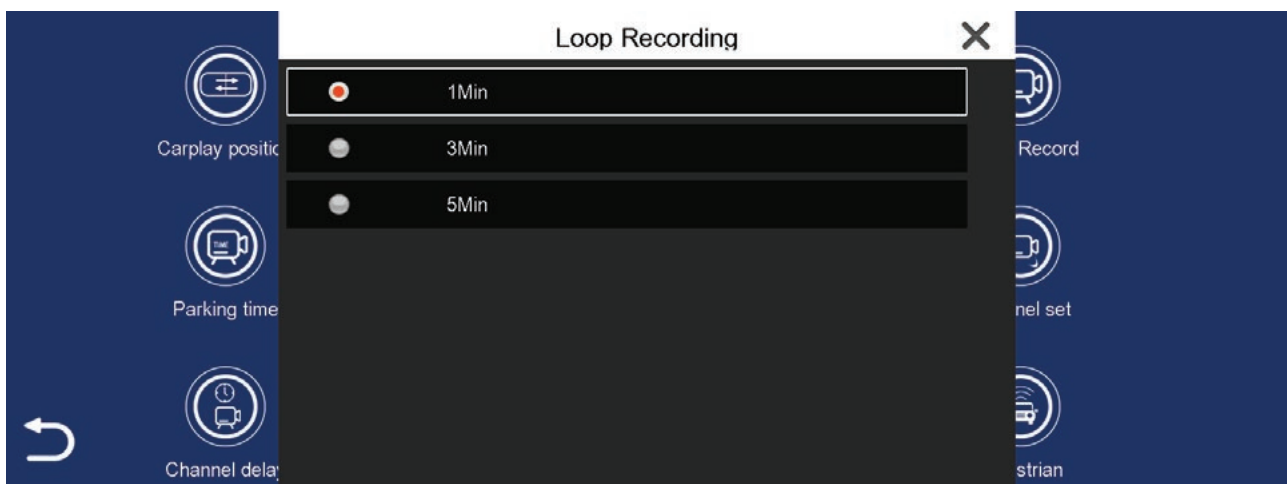
Carplay position - This changes the viewing position of the CarPlay screen.



Camera format - This changes the input resolution of the camera connected to the monitor. All cameras attached must be the same resolution, you cannot mix different camera resolutions.



Loop recording - You can set the loop recording time according to your preference. For example, if you set it to 5 minutes, the dash cam will record 5-minute segments and overwrite the oldest segment when the memory card is full.



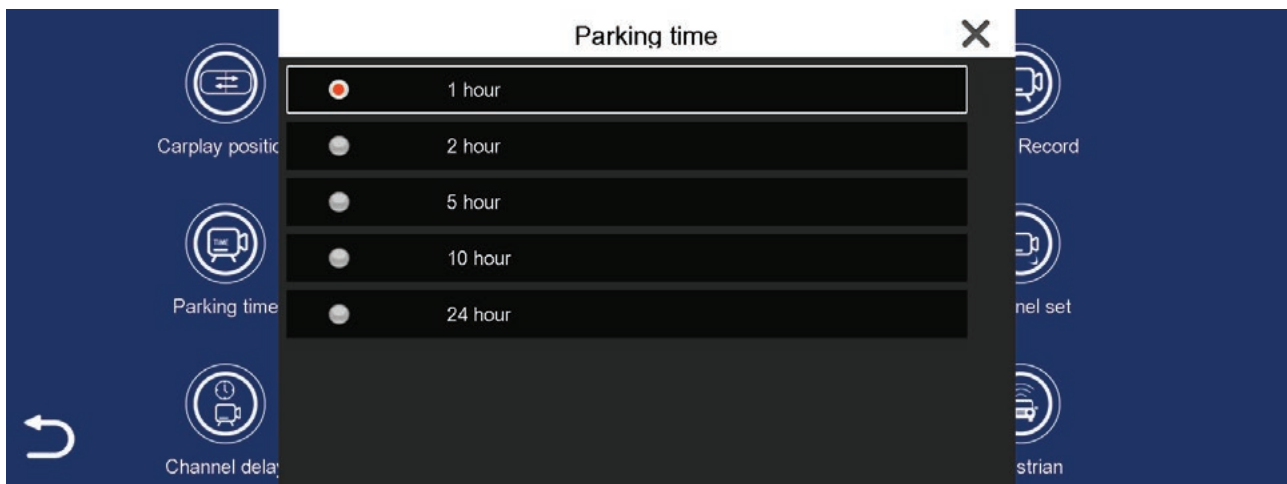
ADVANCED SAFETY VISION SYSTEMS

System settings cont....

Lapse record - A sequence of pictures captured then compiled into a video when in parking record mode.



Parking time - This setting allows for a set time of recording while the car is in Parking record mode. (Make sure the vehicles battery is fully charged).



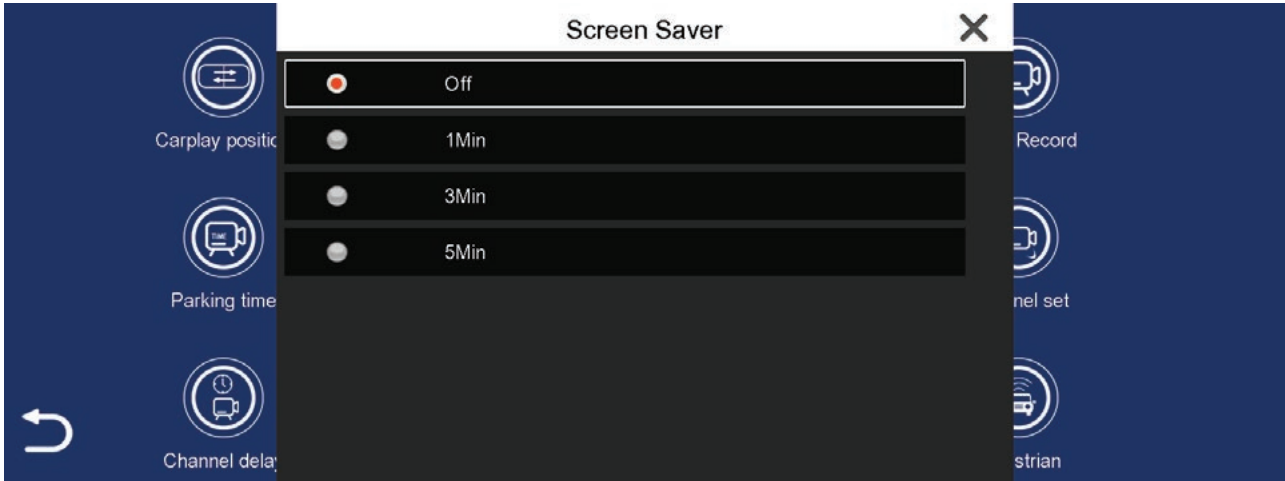
Car OSD - Set your vehicles license plate number so it can be displayed as a watermark on recorded video.



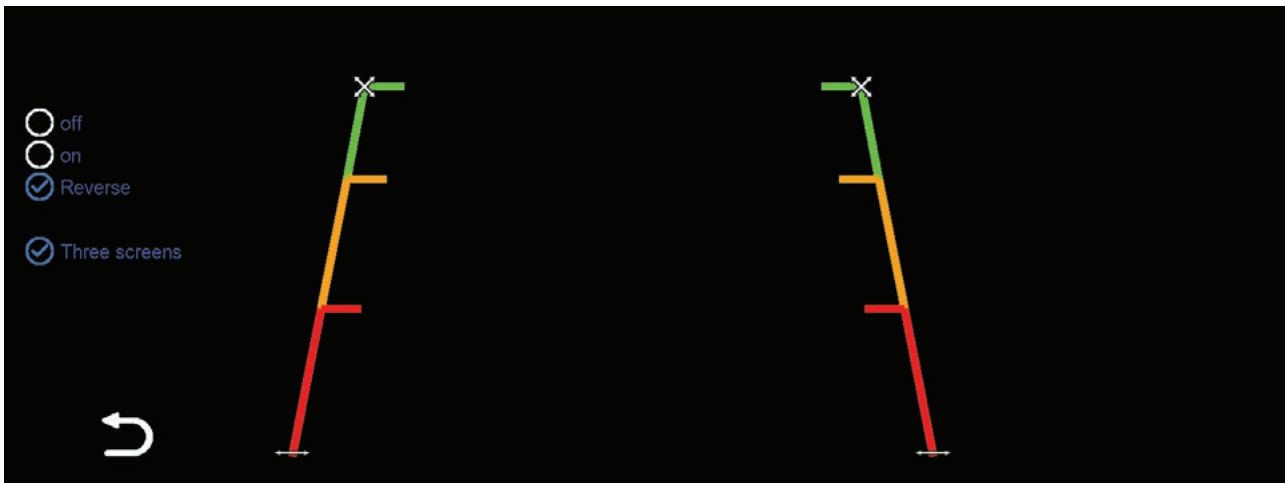
ADVANCED SAFETY VISION SYSTEMS

System settings cont....

Screen saver - Set the amount of time the screen displays before turning off.



Setting Guideline - Manually the user can change /align the guidelines displayed on screen. Move the guidelines by re-positioning the X / Left & Right arrows. Turn the guidelines On / OFF. Allow the guidelines to come on only when triggered. **NOTE:** These settings are only for CH2 priority. Three screens allows for 3 Channels to be displayed when CH2 is triggered.



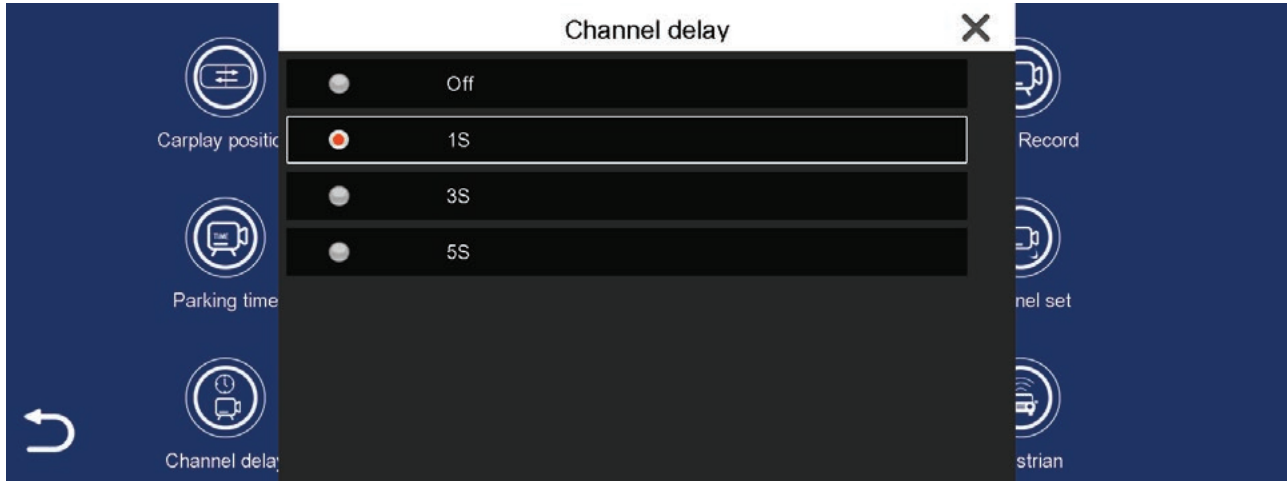
Channel set - Allows the user to Flip or Mirror the camera display for each camera.



ADVANCED SAFETY VISION SYSTEMS

System settings cont....

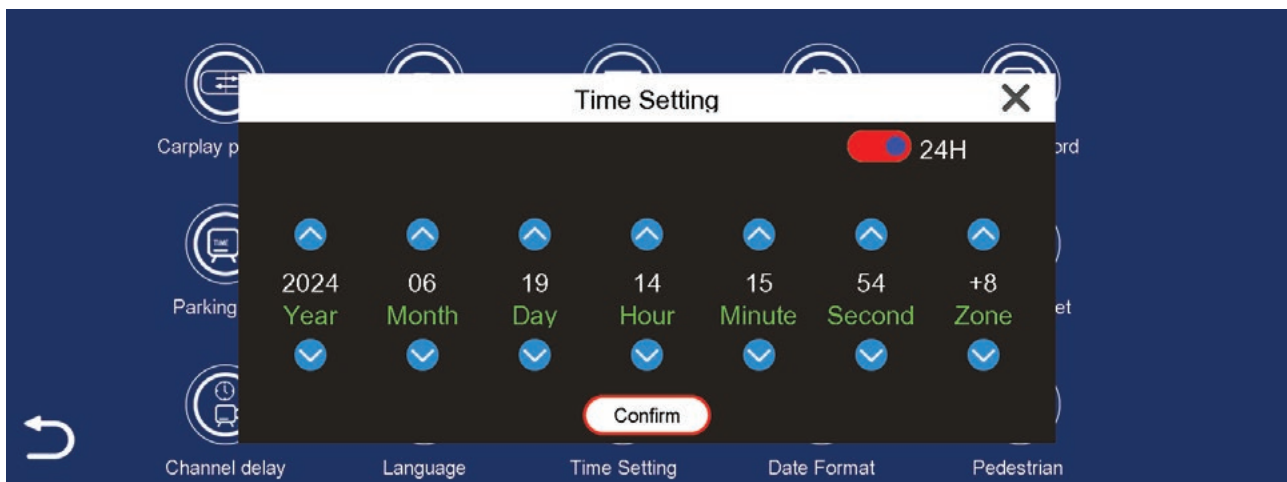
Channel delay - How long the screen stays on once triggered in reverse.



Language - Select from multiple languages to suit your requirements.



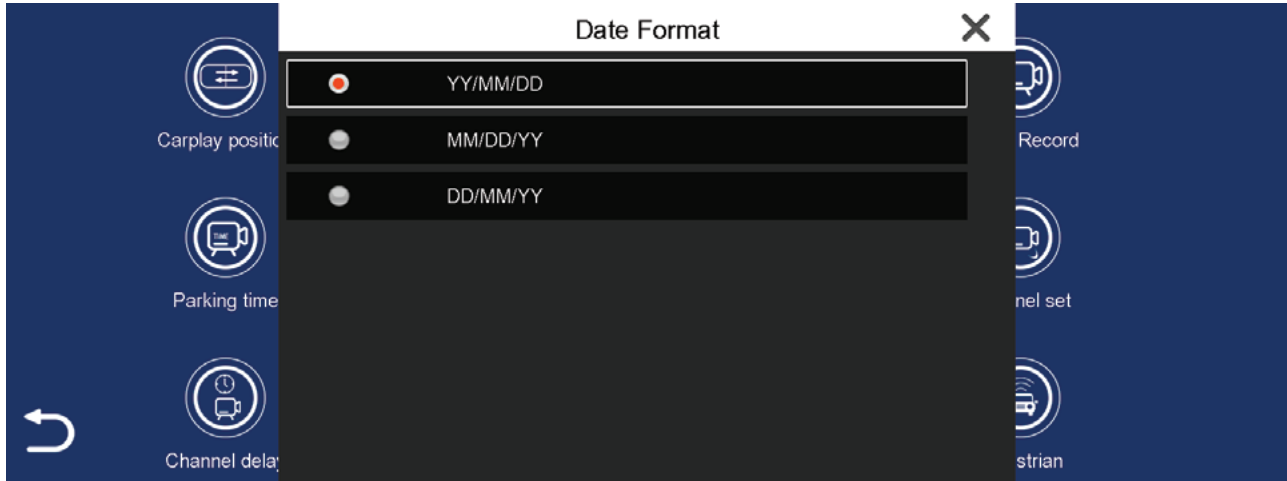
Time Setting - Set the Time/Day/Month/Year and Zone settings.



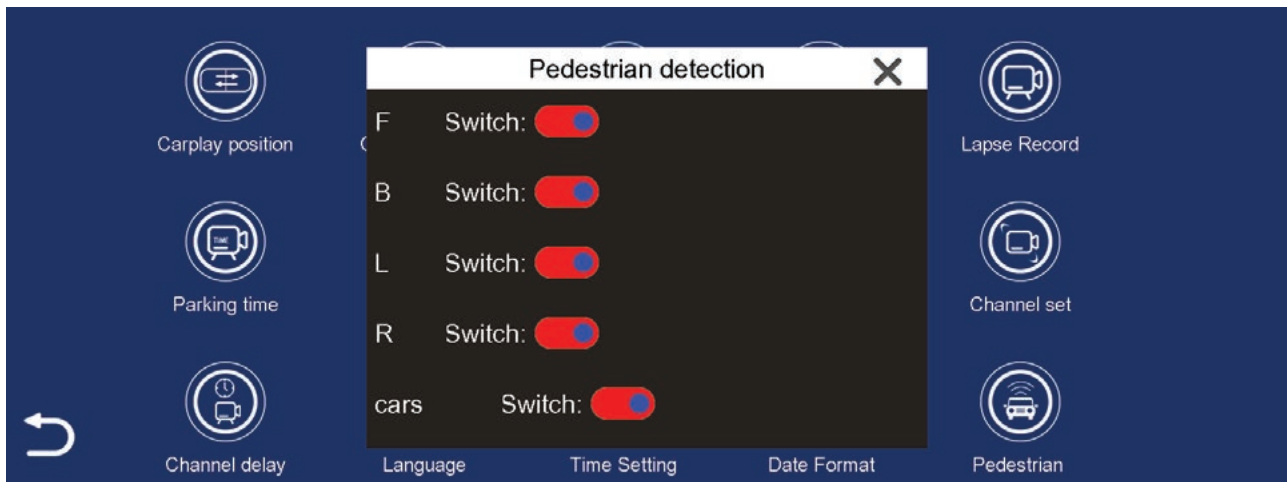
ADVANCED SAFETY VISION SYSTEMS

System settings cont....

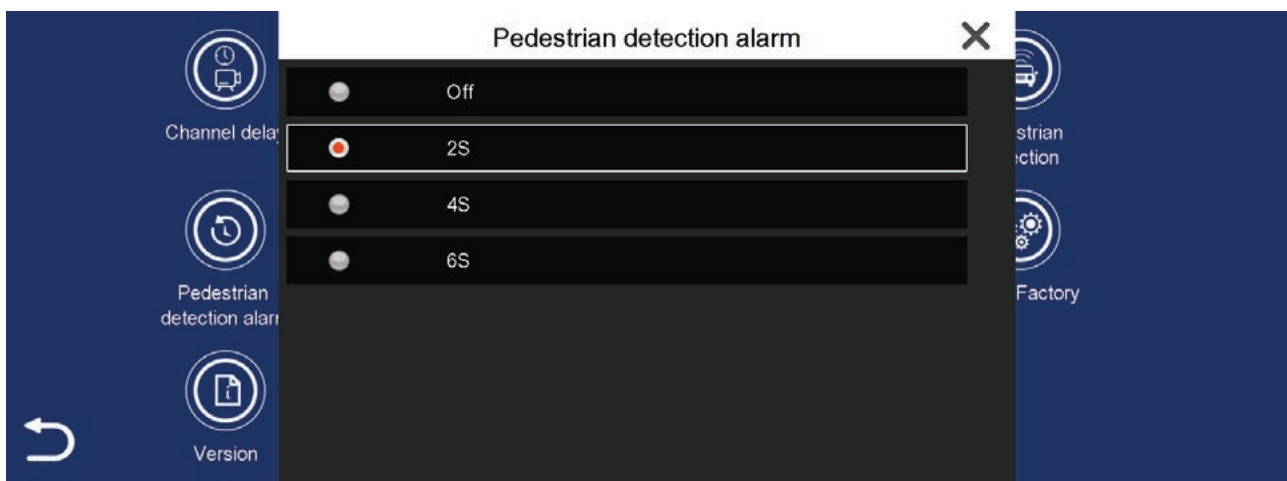
Date Format - Set the date format configuration.



Pedestrian detection - The user gets a visible alert, with a red rectangle around the detected pedestrian.



Pedestrian detection alarm - The user gets an audible alert warning of the detected pedestrian.

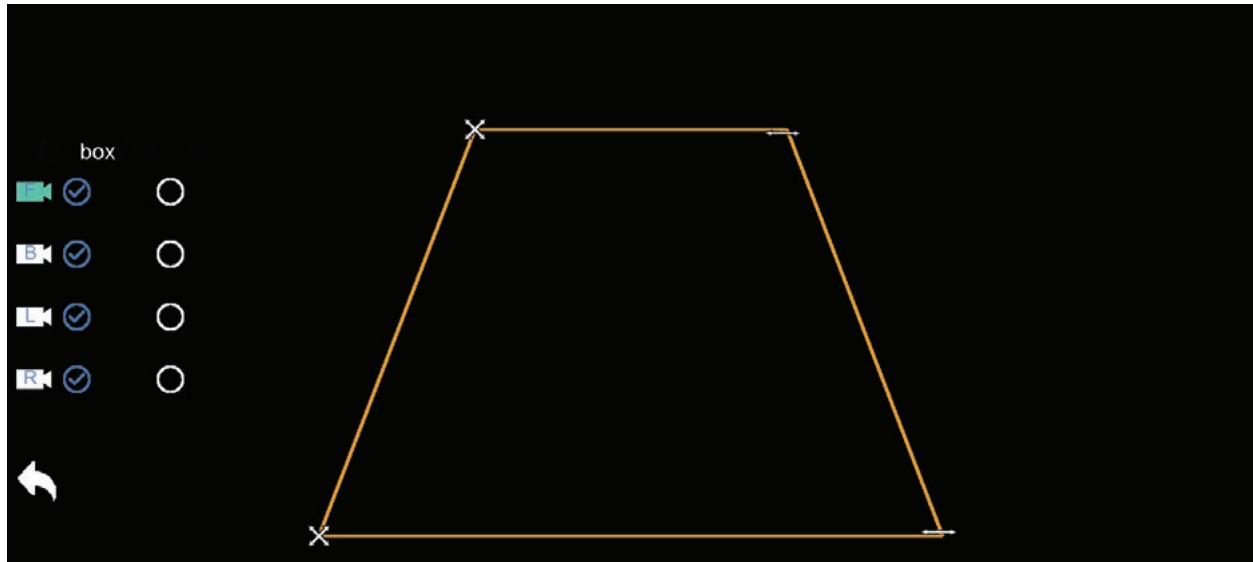


ADVANCED SAFETY VISION SYSTEMS

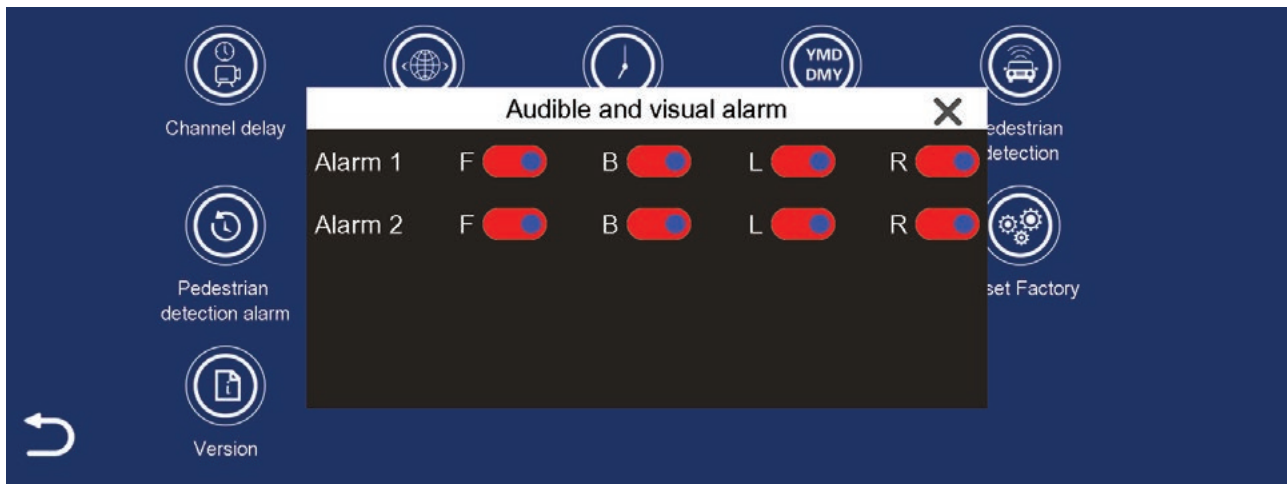
System settings cont....

Blind zone calibration - Allows the user to adjust the area for detection. This can be done for each camera. Select the cameras icon on the left to adjust the detection area.

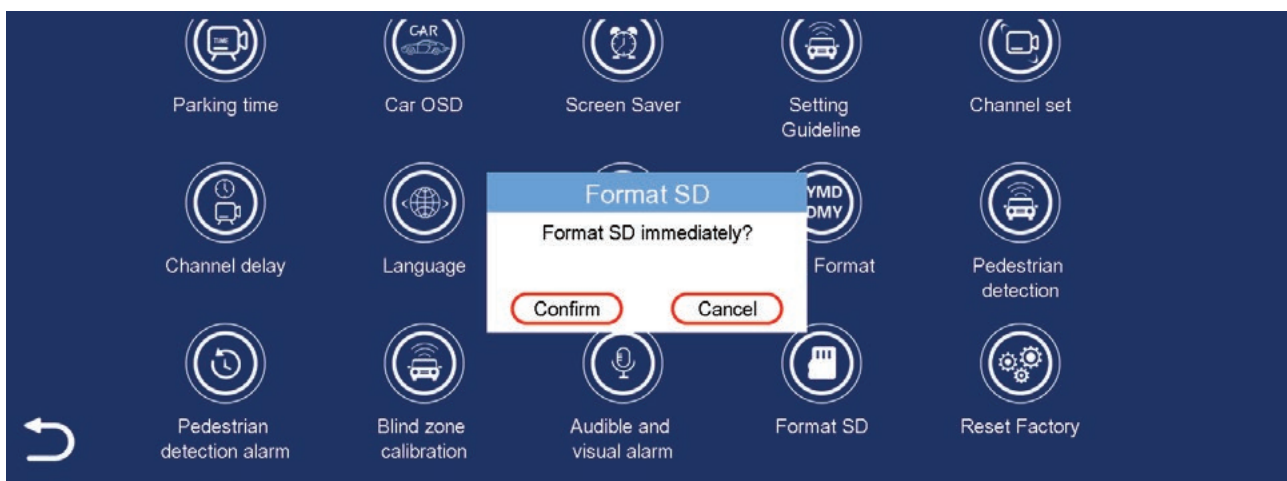
Select the circle to the right to turn the detection On / Off.



Audible and visual alarm - This function is in development and not currently used. This function as a trigger for the light/speaker.



Format SD - Formats the card ready for recording.



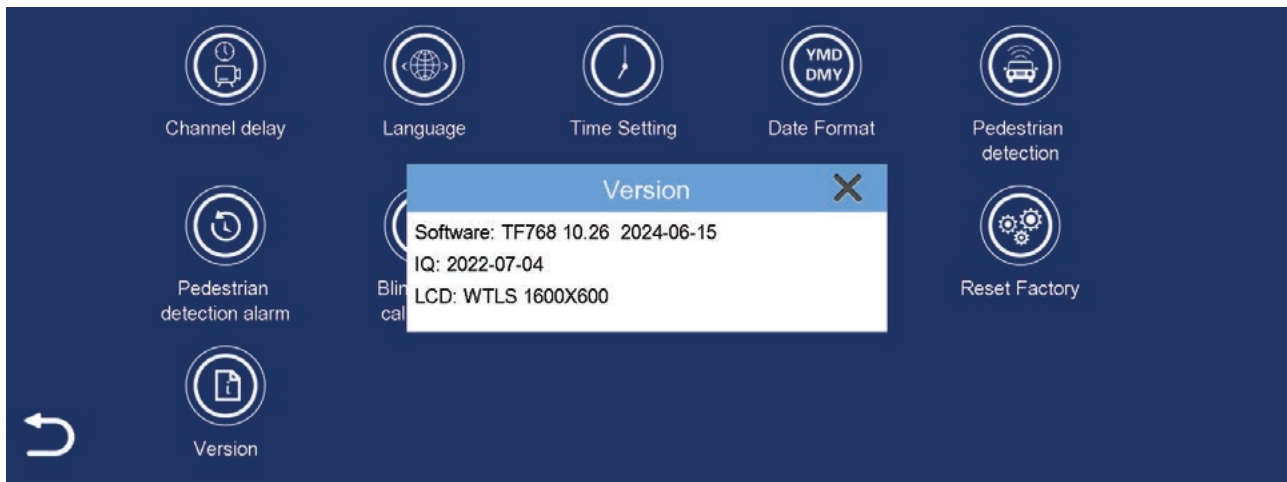
ADVANCED SAFETY VISION SYSTEMS

System settings cont....

Reset factory - Select to restore the monitor to original factory settings.



Version - Displays the current software/firmware version



ADVANCED SAFETY VISION SYSTEMS

Audio output settings (Monitor speaker)

Use the internal speaker to output audio from the monitor.

1. Tap the Audio Output icon on the home screen and select the Speaker icon along the bottom.

NOTE: In this mode, you can adjust the volume by pressing the speaker icon along the side on the home screen.

Audio output settings (FM transmitter)

Use the FM transmitter mode if you want to listen to audio on your cars sound system without connecting any wires.

1. Tap the Audio output icon on the home screen. Select the FM icon to use FM transmitter function.
2. Turn on the factory head unit and tune it to the same frequency as the monitor.

NOTE: You must always be on the same frequency as the FM Transmitter as the unit will not automatically switch in the event of a call or playing music.

If you have issues with interference, try changing the FM frequency to one that isn't being used to broadcast radio stations.



Audio output settings (Apple CarPlay & Android Auto)

The CarPlay/Android Auto feature allows you to use the CarPlay/Android Auto features on the display whilst streaming audio to your factory audio system over Bluetooth if supported.

Make sure that the CarPlay/Android Auto feature is selected. Then connect your device via CarPlay/Android Auto to the 10 inch monitor using the instructions in this manual.

Once your phone is connected, your device will automatically disconnect to the bluetooth from the 10 inch monitor. You must then connect your smartphone to the head unit's Bluetooth. Once connected audio from CarPlay/Android Auto will start playing through your vehicle's factory sound system over bluetooth.

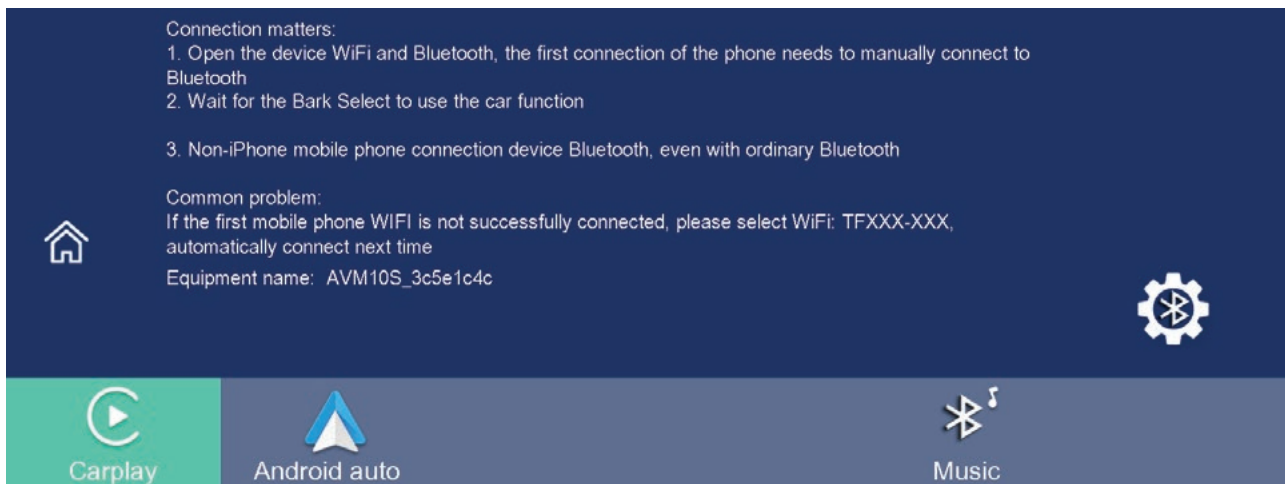
NOTE: You can also adjust the bluetooth volume from your phone using this method. Not all factory/aftermarket head units will support this feature and you may encounter disconnections or poor audio quality depending on your vehicle/device.

Music may not automatically start playing in this mode and may need to be played manually. We do not recommend this feature for head units that support Wireless CarPlay or Wireless Android Auto.

ADVANCED SAFETY VISION SYSTEMS

Connecting via Apple CarPlay

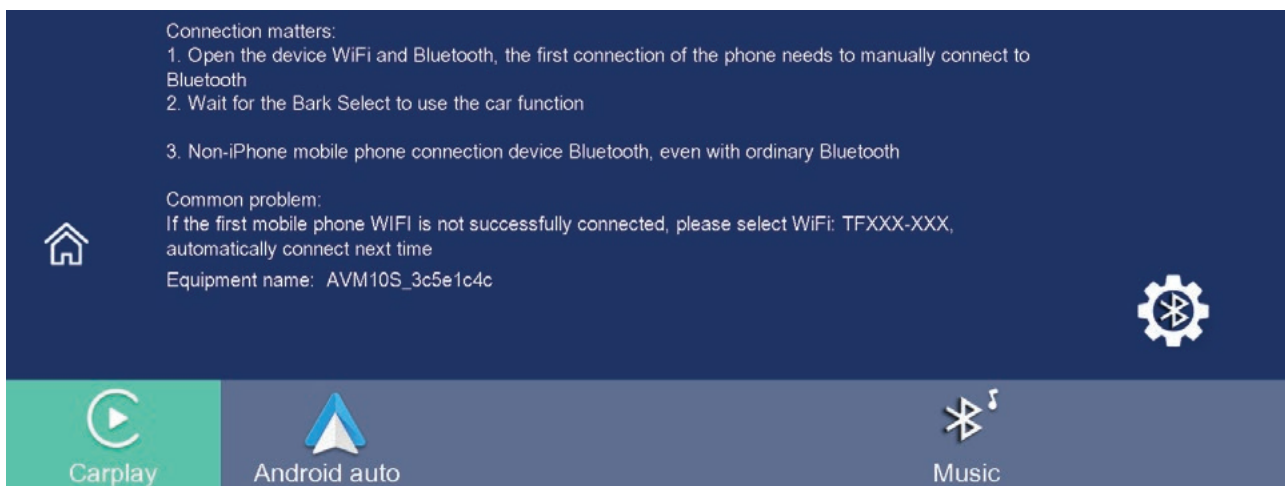
1. Tap the Mobile link icon on the home screen to display the Apple CarPlay function.
2. Tap the Apple CarPlay icon on the home screen to activate the Apple CarPlay function.
3. Before using Apple CarPlay wirelessly, turn on the Bluetooth and WiFi function on the compatible device.
4. Navigate to the Bluetooth settings on your compatible device and select AVM10S followed by some numbers and letters for pairing.
5. A pair message and a pairing request code may appear on your compatible device and head unit. Click allow to accept
6. Apple CarPlay should now display on screen and will now automatically connect to the last paired device when powered on. If you do not want your phone connected to the unit, simply turn off WiFi and Bluetooth.



ADVANCED SAFETY **VISION SYSTEMS**

Connecting via Android Auto

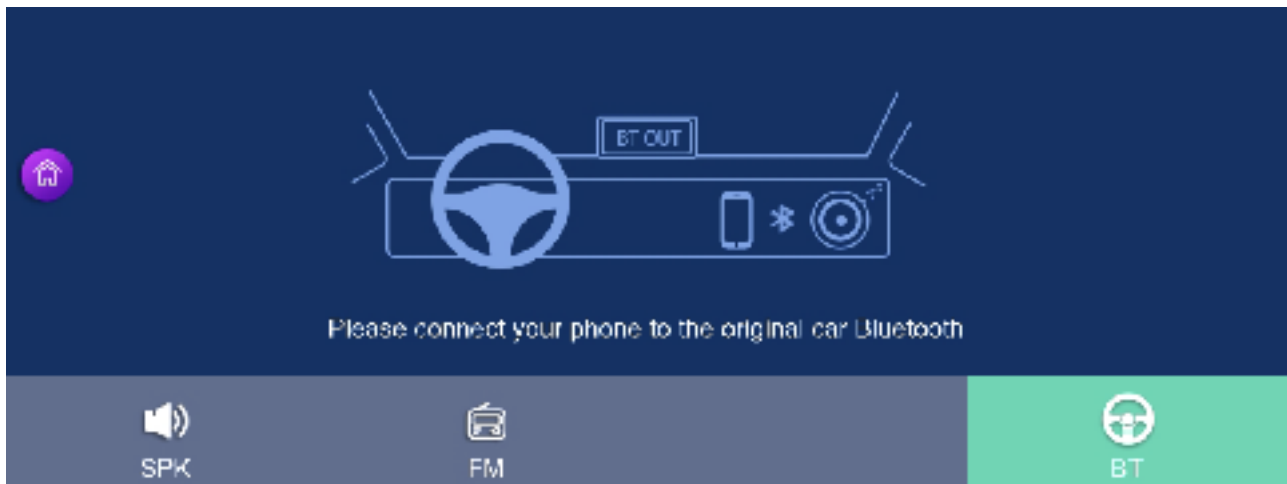
1. Tap the Mobile link icon on the home screen to display the Android Auto function.
2. Tap the Android Auto icon on the home screen to activate the Android Auto function.
3. Before using Android Auto wirelessly, turn on the Bluetooth and WiFi function on the compatible device.
4. Navigate to the Bluetooth settings on your compatible device and select AVM10S followed by some numbers and letters for pairing.
5. A pair message and a pairing request code may appear on your compatible device. Click allow to accept.
6. Follow on-screen instructions that may appear on your smartphone and display.
7. Android Auto should now automatically display on screen and will now automatically connect to the last paired device when powered on.
8. Follow on-screen instructions that may appear on your device and head unit. If you do not want your phone connected to the unit, simply turn off WiFi and Bluetooth.



ADVANCED SAFETY **VISION SYSTEMS**

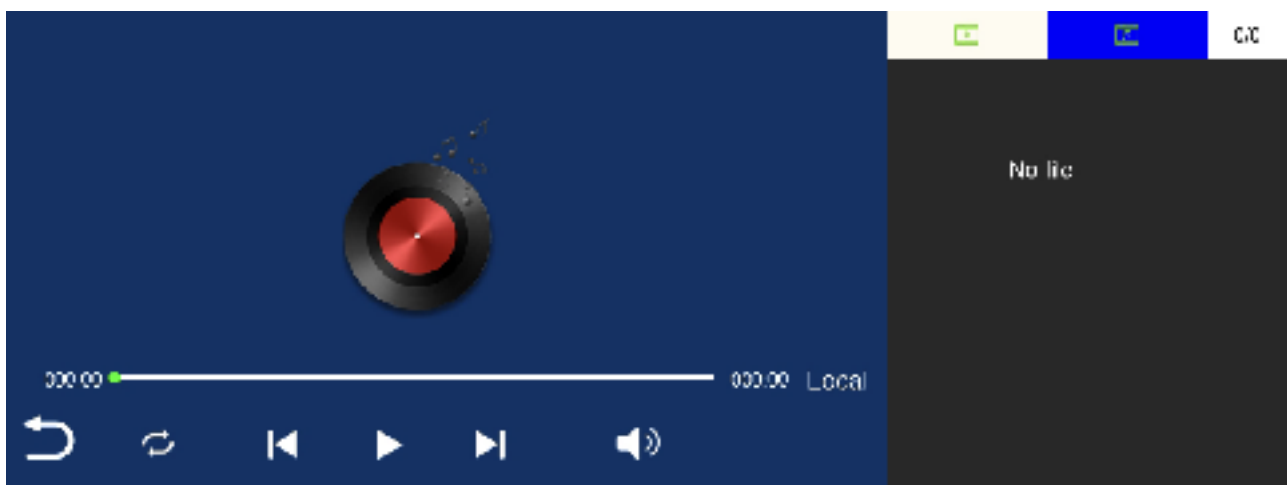
Bluetooth Music

1. Turn on the Bluetooth of your smartphone and select the Bluetooth Music option.
2. Tap the BT Music icon option on the display to connect your smartphone over Bluetooth.
3. Once connected you can play music from the display.
4. Here you will be able to see and edit the Bluetooth device name. The default name is typically AVM10S followed by a string of numbers and letters. You can turn the Bluetooth On/Off, see if a device is currently paired, unpair the current device or disable bluetooth auto-connect.



Media Player (USB drive)

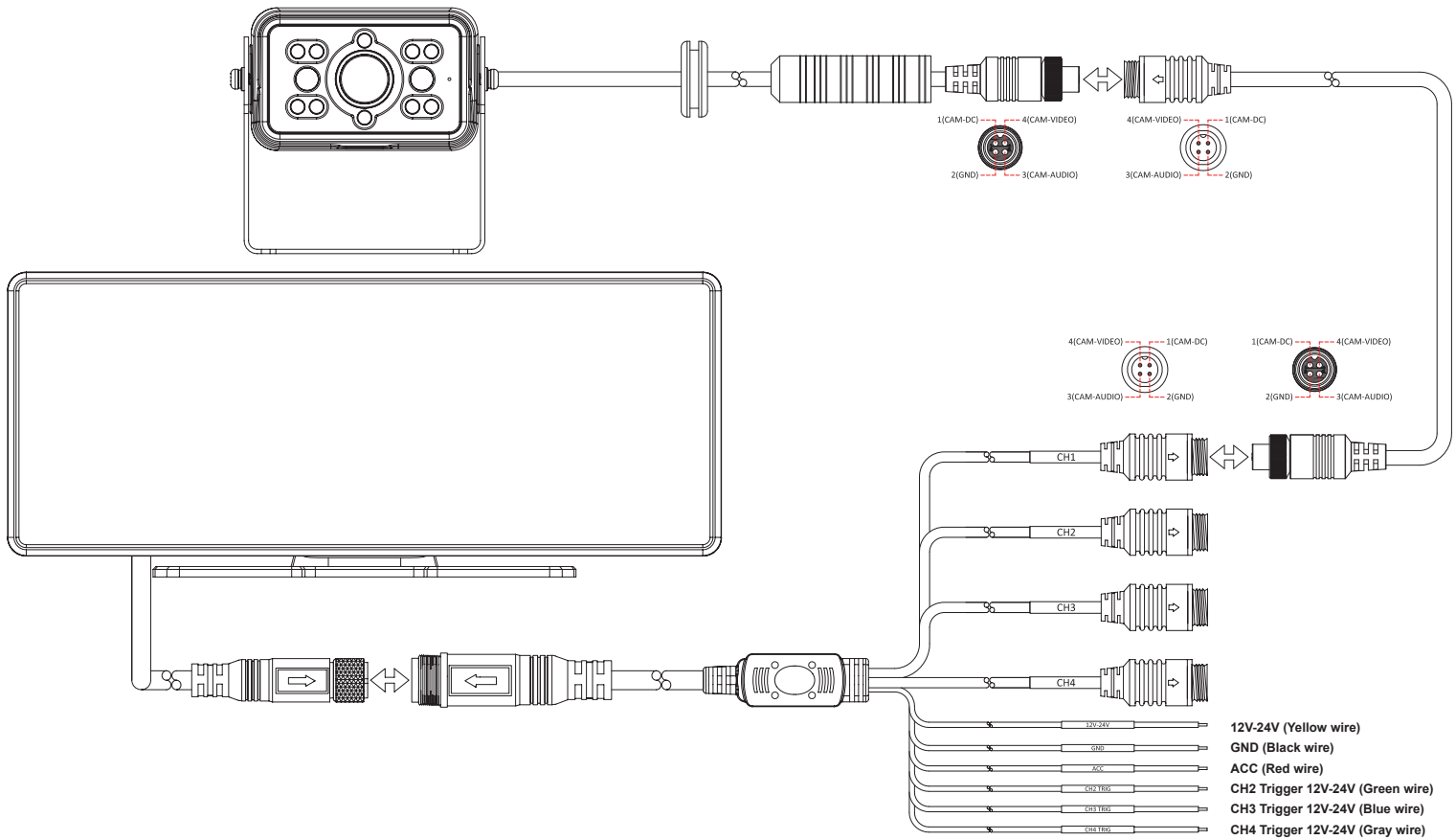
1. Tap the [Media Player] icon on the home screen to enter the Media Player function which allows the user to play audio.



ADVANCED SAFETY VISION SYSTEMS

Connecting a camera

The AVM10S Wireless Smart Ai Monitor supports up to 4 cameras with quad view display. Cameras sold separately. Visit our website for compatibility. All cameras connected must be of the same resolution, 720P or 1080P.



ADVANCED SAFETY VISION SYSTEMS

Specifications

- Display: 10" IPS Display
- Resolution: 1600 x 600
- Cameras Wired or Wireless: Wired
- Artificial Intelligence: Yes
 - Pedestrian (Static or Moving)
 - Vehicles (Trucks, Vans, Cars & Motorbikes)
 - Blind Spot Detection
- In-built Ai Detection
- Smartphone Connection: Wireless (Supports Apple CarPlay, Android Auto)
- Audio Output: Bluetooth, FM Transmitter, Built-in Speaker
- Compatibility: Suits 720p and 1080p AHD Cameras
- DVR Specs: 720 @ 15 FPS
- Micro SD card (Max 256GB Not included)
- DVR Recording: Yes
- Video System: PAL/NTSC Auto
- Video Inputs: 4
- Video Triggers: 3 (CH1 Priority)
- Display Modes: Single, Dual, Quad (Various)
- Monitor View: Normal / Reverse
- Guidelines: Selectable On/Off (CH2 Only)
- Audio: On board Speaker
- Luminance: 450cd/M2
- Power Supply: 11-36V (Hardwired)
- Dimensions (WxHxD):
- Monitor: 245 x 98 x 32mm (Excluding Mount)

Inclusions:

- 10" IPS monitor AVM10S
- 1 x Monitor Mount
- 1 x 1.5m Monitor Cable

Additional Information:

- This is a monitor only, cameras are sold separately.
- SD Card required for DVR recording, not included.
- This monitor accepts SD, HD and AHD cameras but they need to be consistent. You cannot use a combination of SD and AHD cameras. AI cameras are not required as Ai detection is built into the Monitor.

ADVANCED SAFETY VISION SYSTEMS

Technical assistance

If you need assistance setting up or using your Aerpro product now or in the future, call Aerpro Support. Australia

TEL: 03 – 8587 8898

FAX: 03 – 8587 8866 Mon-Fri 9am – 5pm AEST or EMAIL: service@tdj.com.au

If you would like to download a digital copy of this manual, or other Aerpro manuals/software, please visit the Aerpro.com website and search for the product model number for more information, accessories and products.

This manual is considered correct at time of printing but is subject to change.

For latest manuals and updates refer to the website.

Copyright © 2024 by TDJ Australia

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, copying or other electronic or mechanical methods, without the prior written permission of the author.

Note: Additional cameras and wiring may be required depending on your application, compatible products are available on our website. For more information Scan the QR code below.

AERPRO.COM



Product
information
and user
manual.