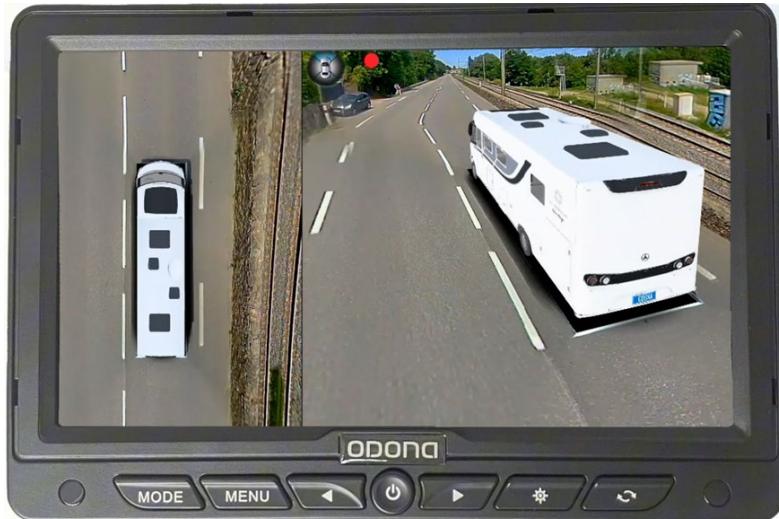




# DRONE VIEW 5

*360° vision system*

## USER INSTRUCTIONS



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## 1. SYSTEM PRESENTATION

**ODONA's Drone View 5** system synthesizes images from four wide-angle cameras to create a true "drone view" from the top of your vehicle. It enables omnidirectional and changeable monitoring around a vehicle from dynamic perspectives. Such technology can display the full view of the vehicle's positioning and movement, it covers blind spots, and works both as a parking and driving aid.

The system offers a **360-degree view on the left side of the screen and a dynamic view on the right**. It also integrates a recording feature, of all four cameras with continuous video recording on a USB flash drive.

## 2. HOW THE SYSTEM WORKS

**The Odona system is designed to work automatically, with no action required, so you can focus on driving.**

The screen is divided into 2 parts :

- **On the left**, a permanent top view to allow you to continuously monitor your vehicle's surroundings
- **On the right**, a dynamic view that will automatically change according to driving actions to provide additional information during manoeuvres, such as when you put on the turn signals or reverse gear.



This dynamic view is automatically adapted by signals sent to the system. These signals are as follows:

- **Turn signals:** once activated, they will rotate the dynamic view to the left or right in order to cover the blind spots.



- **Reverse:** With a standard installation, it automatically switches to a reversing camera when reversing. It is also possible to set the right side of the display to the rear view by default.



 Many other actions and views can be performed via the remote control, requiring careful handling that should only be performed while stationary or by a passenger.

### 3. SYSTEM CONTROLS

#### a) Using the remote control

**WARNING ! The remote control must be pointed exclusively at the remote infrared sensor and not at the display (unless the sensor has been placed at the bottom right of the display).**

**i** Access to certain menus is voluntarily blocked. They should only be used by trained technicians to set up the system. Codes must not be provided to the customer under any circumstances. The slightest change in data may lead to a modification of the installation, which may require a return to the workshop and a new calibration of the system, which will be charged to the customer.

##### i. Grey model



**MENU:** Move in and out of the "Paramètres / System Setup" menu.

**▲ UP ARROW:**

- In vision mode: scroll through the different front views
- In the menus: move the cursor up

**▼ DOWN ARROW:**

- In 360 mode: scroll through the different rear views
- In settings mode: move the cursor down

**► RIGHT ARROW:**

- In 360 mode: turn around the vehicle counterclockwise
- In settings mode: move the cursor to the right

**◀ LEFT ARROW:**

- In 360 mode: turn around the vehicle clockwise
- In settings mode: move the cursor to the left

**OK:**

- In 360 mode: switch to "ghost" mode, view through the vehicle
- In settings mode: validate a selection

**BACK:** Go back to the menu

ii. Black model



**RED BUTTON (top left):** enter and exit the ".Paramètres / System Setup" menu.

**BLUE BUTTON (top right):** go back

**ARROWS (x4) :**

- In settings mode: scroll through menus
- In 360° mode:
  - Left and right arrows: turn around the vehicle
  - Down Arrow: Scroll through the different rear views
  - Up Arrow: Scroll through the different front views

**BUTTON « OK / play » :**

- In 360 mode: switch to "ghost" mode, view through the vehicle
- In settings mode: validate a selection

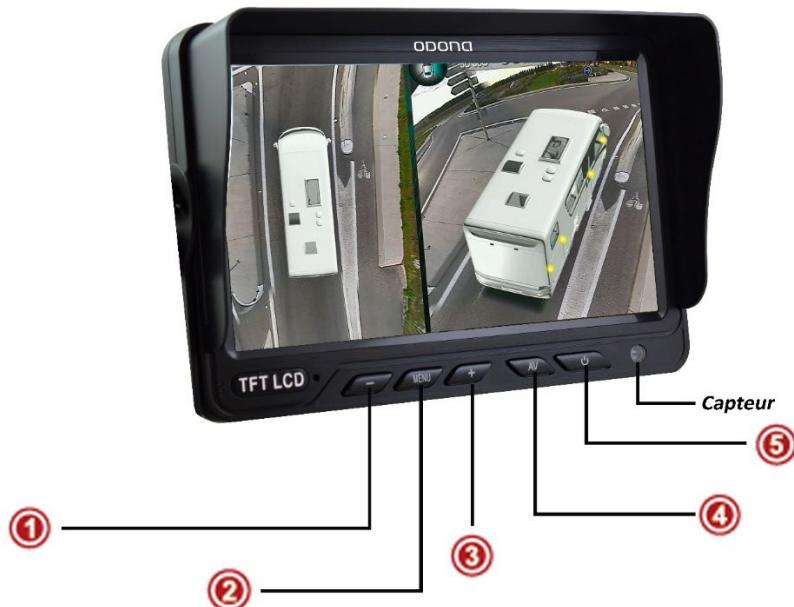
**KEYS 1 to 9:**

- In 360 mode: shortcuts to select certain views directly
  - 1 to 3: 3 different front views
  - 4 and 6: zoom in on the front left and right side
  - 5: Full-screen drone view
  - 7 to 9: 3 different rear views

These actions can be carried out by the passenger while driving, manoeuvring or while parked if necessary.

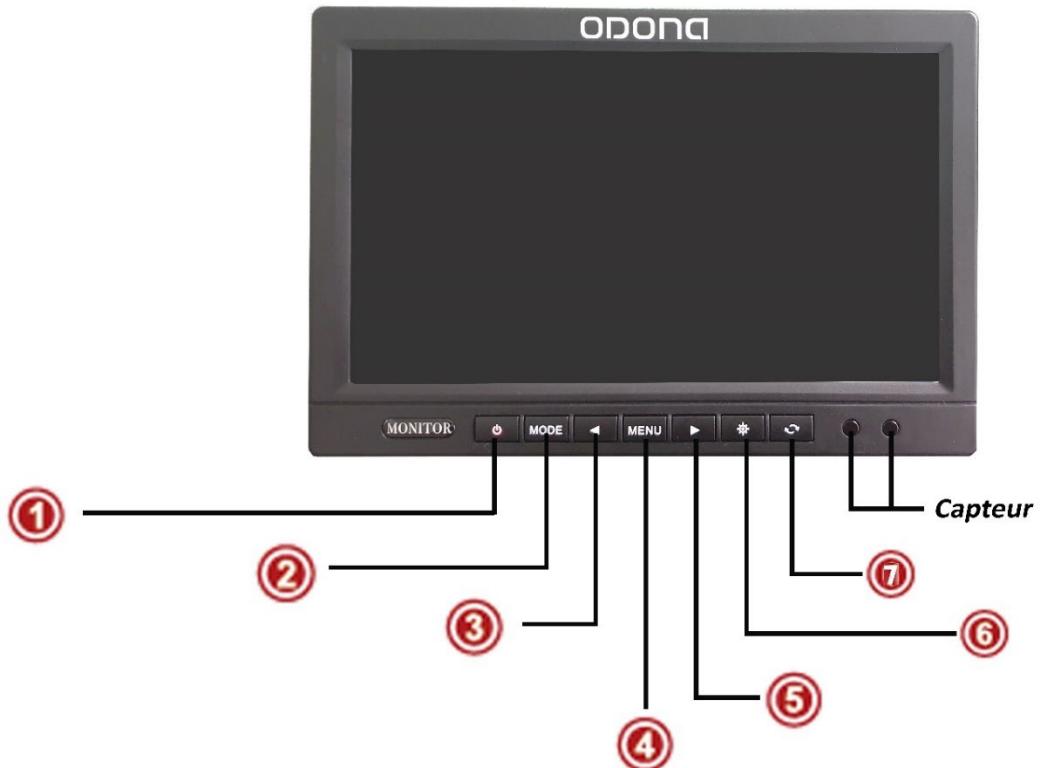
b) Screen controls

i. Screen model n°1



	DESCRIPTION	FUNCTION
①	-	<ul style="list-style-type: none"> <li>- Adjusting the parameters of each line (decrease)</li> </ul>
②	MENU	<ul style="list-style-type: none"> <li>- Opening and scrolling the settings menus:           <ul style="list-style-type: none"> <li>• Image (brightness, contrast...)</li> <li>• Function (turn, autoDim, V1/V2/3S...)</li> <li>• System (scale 1, scale 2...)</li> <li>• Clock (Sleep)</li> </ul> </li> </ul>
③	+	<ul style="list-style-type: none"> <li>- Setting the parameters of each line (increase)</li> </ul>
④	AV	<ul style="list-style-type: none"> <li>- Live: Source change (3 total)</li> <li>- In the menu: scroll between lines (down)</li> </ul>
⑤	ON/OFF	<ul style="list-style-type: none"> <li>- Powering the display</li> </ul>

ii. Screen model n°2



	DESCRIPTION	FUNCTION
①	ON/OFF	- Powering the display
②	MODE	- Live: Source change (2 total)
③	<	- Adjusting the parameters of each line (decrease)
④	MENU	<ul style="list-style-type: none"> <li>- Opening and scrolling the settings menus:           <ul style="list-style-type: none"> <li>• Image (brightness, contrast...)</li> <li>• Ensemble (language, ac-time...)</li> <li>• Function (guide lines)</li> </ul> </li> </ul>
⑤	>	- Adjusting the parameters of each line (increase)
⑥	☀	<ul style="list-style-type: none"> <li>- Live: Auto brightness change (5 modes)</li> <li>- In the menu: scroll between lines (down)</li> </ul>
⑦	⟳	- Automatic screen rotation

## 4. DASHCAM FEATURE

The **ODONA** system has a function for recording images on a USB flashdrive. It is carried out in a loop, with automatic overwriting, whenever the system is turned on. **A system that is turned off does not record.**

A USB stick can be installed in the control box. Otherwise you can add one or if you wish, you can change it to have longer recording capacity (maximum 32 GB).

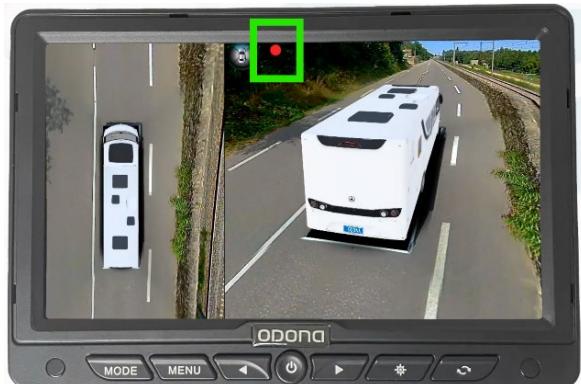
 **It is recommended to use a good quality USB stick for optimal image recording.**

The recording capacity (in 1920 x 1080 pixels) on a 32 GB USB stick is approximately 8 hours (i.e. a little less than 200 MB for 3 minutes of recording and 4 GB for 1 hour).

### a) Installing the USB flashdrive



1. The USB stick is connected to the control box using a remote cable that was made accessible during installation.



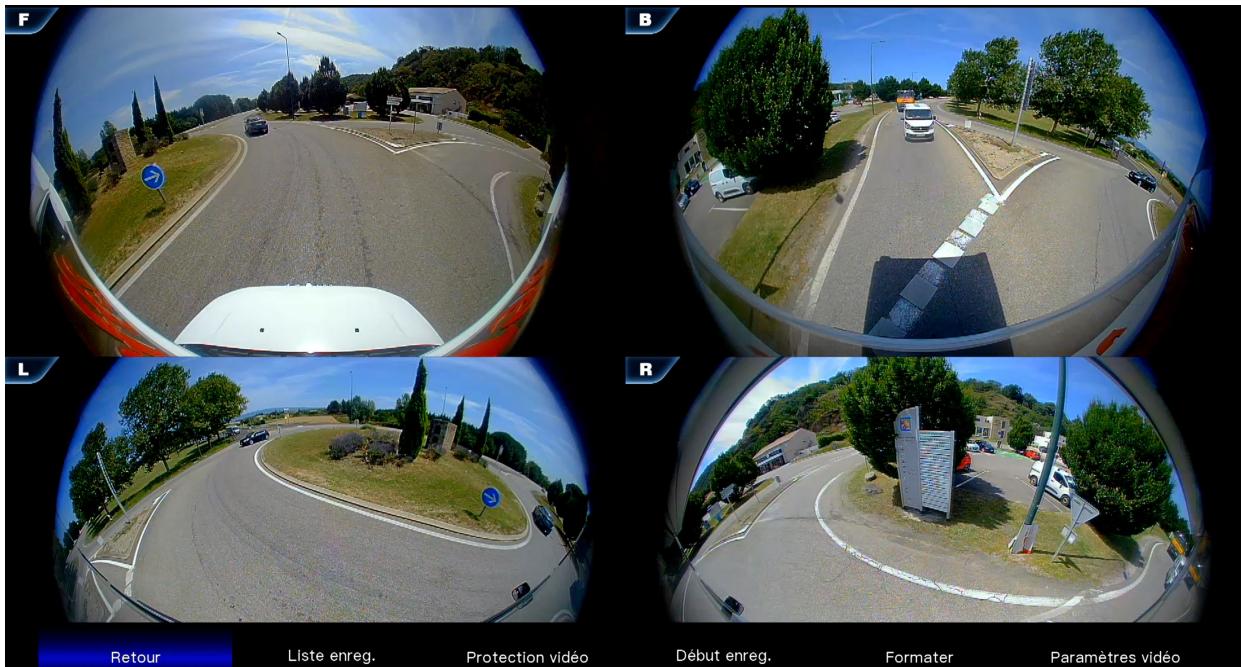
2. On the 360° view, check in the middle of the screen that a red dot appears, which confirms that the system is recording.

### b) Viewing the recordings

To view the images you can either do it on a computer by inserting the USB flashdrive on your computer and using the integrated video viewing software (video in .mp4 format), or directly on the screen of the ODONA system:

- Go to " Paramètres /  System Setup" (press the red button on the remote once)
- " Vidéos /  DVR Settings" tab

- In the menu at the bottom: with the right arrow, go to "■ ■ Liste enreg. / ■ ■ Video List"
- Choose recording with the up and down arrows, select with the OK button on the remote control
- Use the down arrow to select "Play" from the bottom menu, press the "OK" button on the remote control once (the video will start after a few seconds)



### c) Formatting the USB flashdrive

Regularly, it is necessary to format the USB key in order to allow it to continue recording in good conditions. After every trip if you can.

This can be done on a computer but also simply on the system:

- Go to "■ ■ Paramètres / ■ ■ System Setup" (press the red button on the remote once)
- "■ ■ Vidéos / ■ ■ DVR Settings" tab
- In the menu at the bottom: with the right arrow, go to "■ ■ Formater / ■ ■ Format"
- "■ ■ Cette opération formatera le disque / ■ ■ This operation will format the disk": select "■ ■ Sauvegarder / ■ ■ Yes"
- Once the formatting is complete "■ ■ Formatage réussi / ■ ■ Formatting Successful", select "■ ■ Sauvegarder / ■ ■ Yes".

### d) Recordings settings

- Go to "■ ■ Paramètres / ■ ■ System Setup" (press the red button on the remote once)
- "■ ■ Vidéos / ■ ■ DVR Settings" tab
- In the menu at the bottom: with the right arrow, go to the last tab "■ ■ Paramètres Vidéo / ■ ■ Video Settings"



You can:

- Change the duration of the recordings, this is the duration of each video file that will be saved on the USB drive.
- ✓ **Our recommendations:** a duration of 3 minutes is a good compromise.
- Change the storage unit (it is not recommended to use the SD card)



**The view type is not editable.**

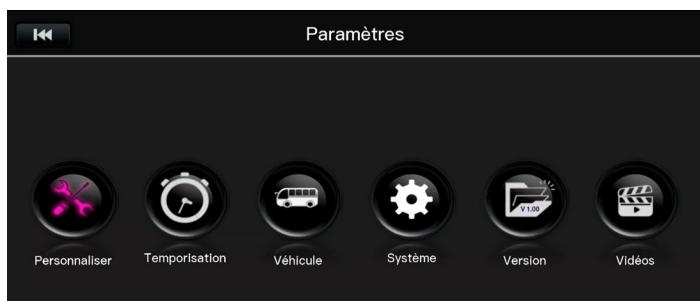
## 5. SYSTEM CUSTOMIZATION

Enter the "■ ■ Paramètres / System Setup" menu with the red button on the remote control.

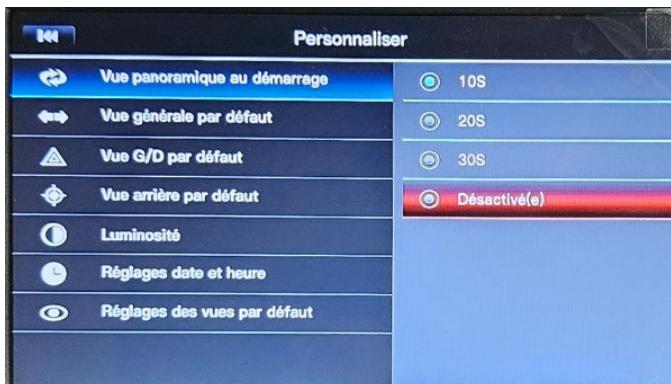
Only the "■ ■ Personnaliser / View adjustments", "■ ■ Temporisation / Trigger Duration" and "■ ■ Véhicule / Vehicle settings" menus allow customization.

**⚠ The "Système / Calibration & System settings" menu is reserved for professional installers and technicians. Do not attempt to enter or make changes to it as this may damage the rendering or even the functioning of the ODONA system.**

a) " View adjustments / ■ ■ Personnaliser" menu



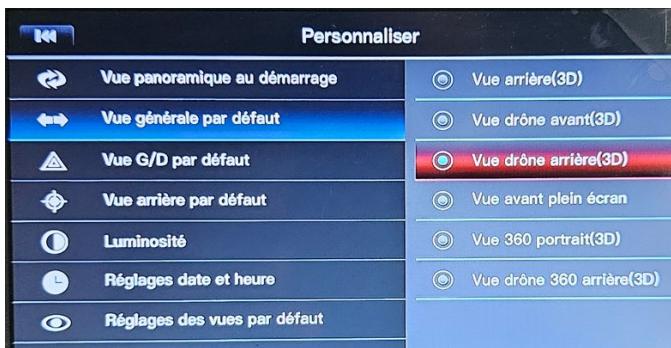
i. « Boot-up rotation / Vue panoramique au démarrage»



It is possible to disable or slow down the rotating view when the system starts.

**Our recommendations:** "10s" or " désactivée / off".

ii. « Default View-Front / Vue générale par défaut»



You can choose between **6 different views for the default display**, on the right side of your screen (except while reversing, using turn signals or the remote control).

This view is the one that will show by default when the system starts up and after using the turn signals or reverse.

**Our recommendations:** to have the rear-view mirror function, the " Vue drôle arrière 3D / 22.Split-Back Cam W/Vehicle" is particularly used.

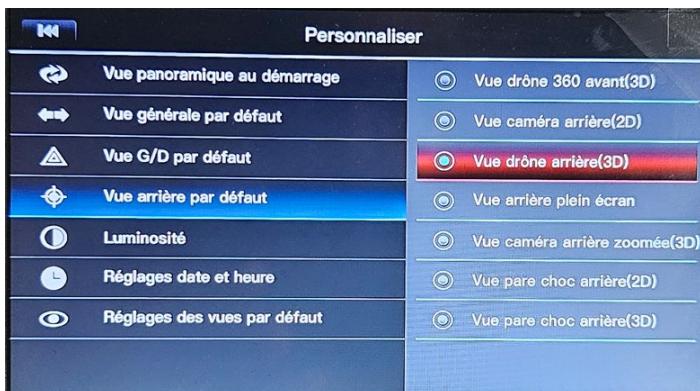
iii. « Default View-L/R / Vue G/D par défaut»



**There are 8 different views to choose from for the display on the right side of the screen when you activate the turn signals.**

**Our recommendations:** The " Vue clignotant(3D) / 08.Split-Side Cam W/Vehicle" is particularly popular.

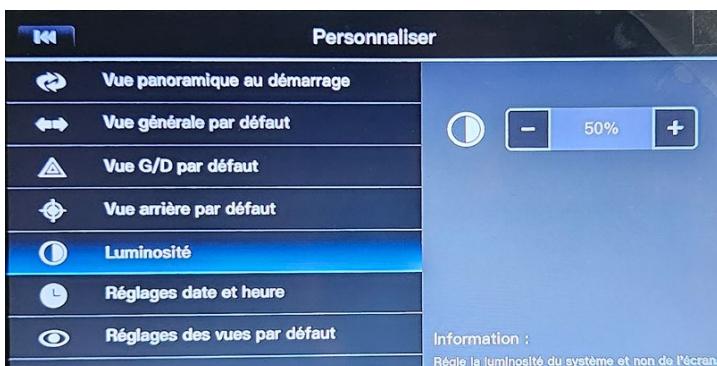
iv. « Default View-Back / Vue arrière par défaut»



**There are 7 different views to choose from for the display on the right side of the screen when you activate reverse gear.**

- ✓ **Our recommendations:** the " Vue Drône Arrière (3D) / 22.Split-back Cam w/Vehicle" is particularly popular for manoeuvres.

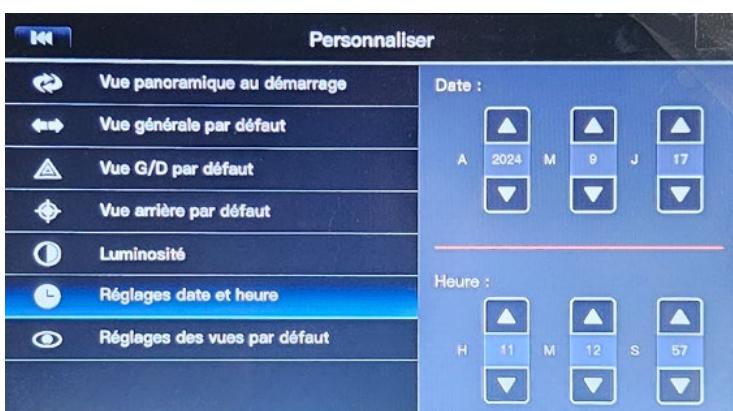
v. « Brightness adjustment / Luminosité»



In addition to adjusting the brightness of the screen, the system allows you to adjust the brightness of the image directly at its source.

- ✓ **Our recommendations:** leave it at 50%, it is only if you consider the brightness of the screen too low that you can change this setting to your liking.

vi. « Date and Time Settings / Réglages Date et heure»

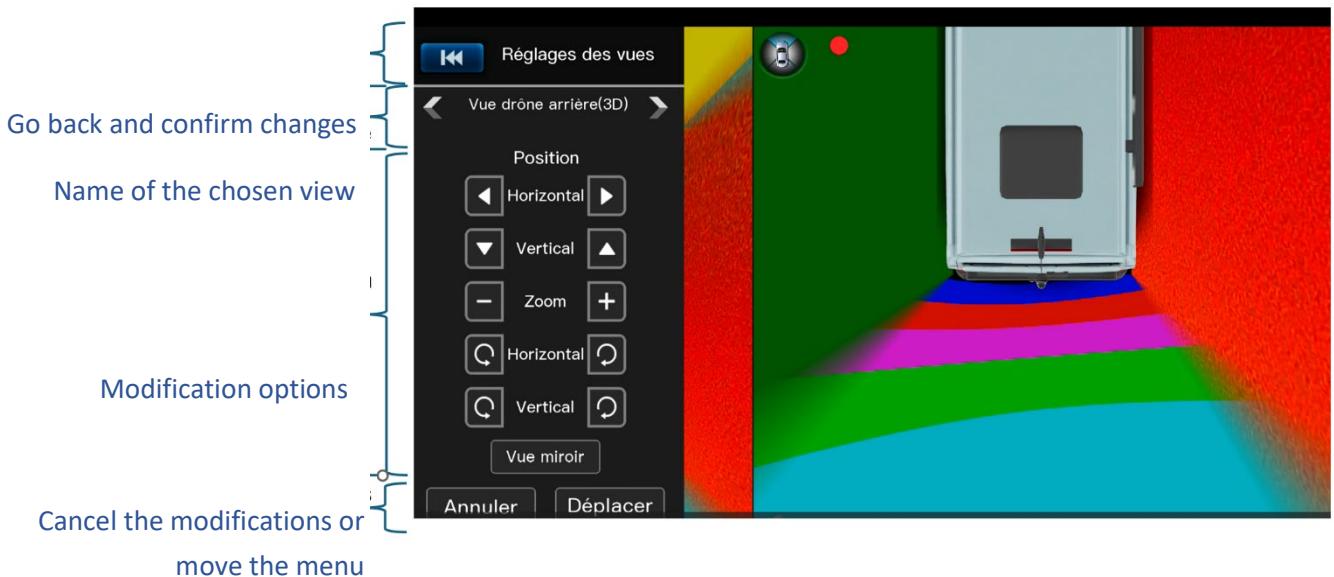


The date and time are only used for timestamping recordings.

- ✓ **Our recommendations:** set the date and time correctly, so that you can find your recordings more easily.

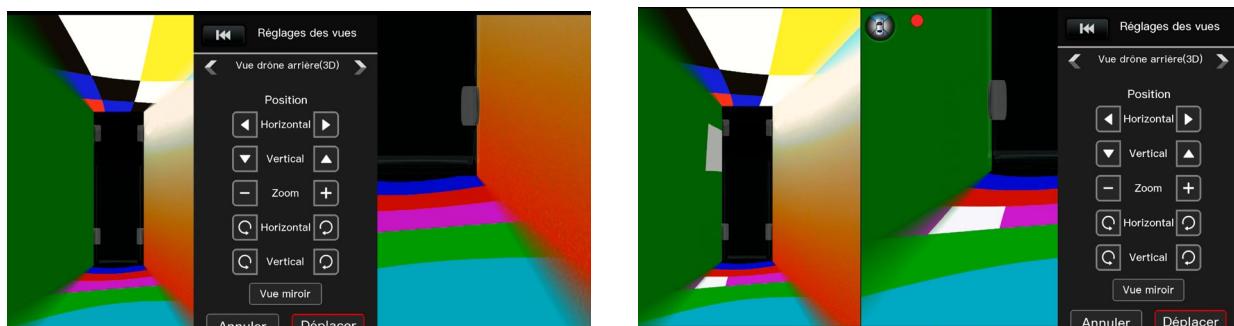
vii. «  View adjustments /  Réglages des vues par défaut»

**⚠ Only go to this menu if one of the views does not completely suit you and you want to adjust it. Once the changes are saved, the old settings are lost.**



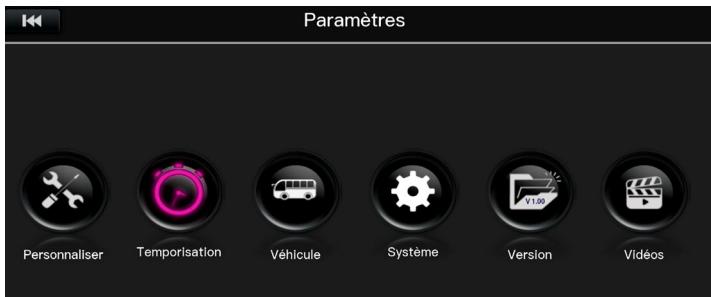
**⚠ If you do not want to save the changes, click on " Annuler /  Reset" before clicking on the "back" arrow at the top left.**

If black areas appear when you change the view (especially zooming out and seeing the horizon), it means that you are at the limit of the cameras' view. You need to zoom in or raise the view.

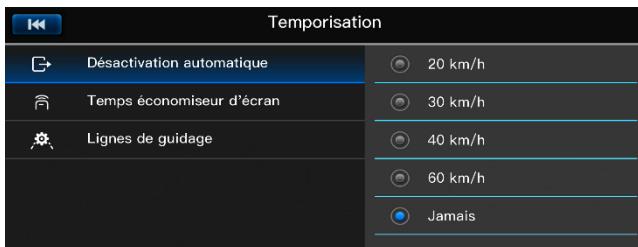


"Move" function of the menu in black.

b) "Trigger Duration / Temporisation" menu

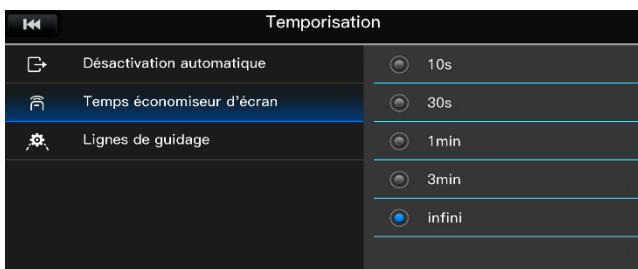


i. « Exit Speed / Désactivation automatique »



**(i) Option not available, do not change.**

ii. « Monitor Trigger / Temps économiseur d'écran»



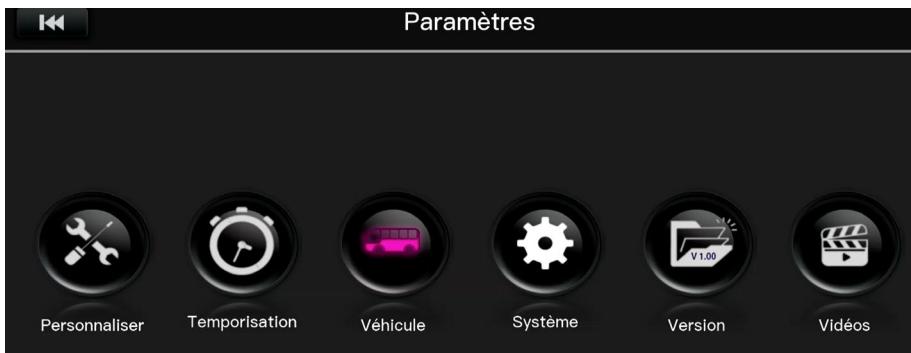
**(i) Option not available, do not change.**

iii. « Traj. Setup / Lignes de Guidage»

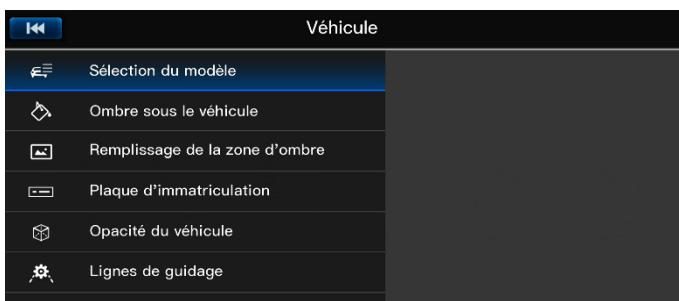


**(i) Option not available because not connected to the vehicle's steering. Do not edit and leave on "no lines".**

c) « Vehicle settings / Véhicule » menu



i. « Vehicle Model / Sélection du modèle»



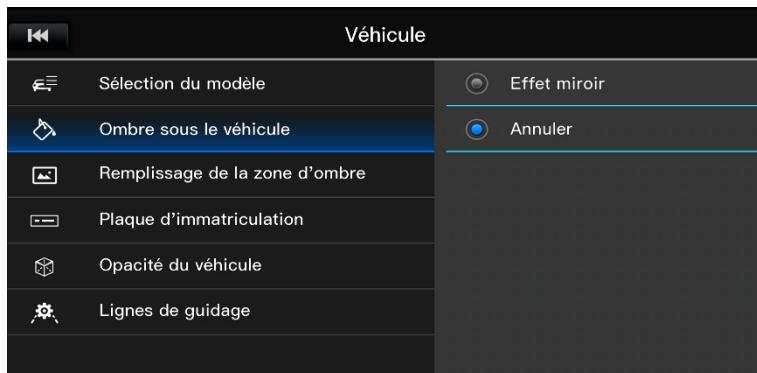
Once you have selected the "Model Selection" menu, you will be taken to a specific page. Make sure you have chosen a 3D image of the vehicle on the 360° vision to see the changes.



**There are 10 vehicle models**, from the most standard to the most funky. For some of them, you can even change the color.

You can choose from: 2 Class A, 1 Class B+, 1 Class C, 2 vans, 1 VW Campervan, an American bus, a military vehicle and a fire engine.

ii. « Car Blind Fill / Ombre sous le véhicule »



It is a question of accentuating or not the shadow displayed under the image of the vehicle.

In " Annuler / Close" mode, the shadow is more global.

✓ **Our recommendations:** leave the option on " Annuler / Close".

iii. « Under Vehicle Image / Remplissage de la zone d'ombre»



This is how the contours of the shadow under the vehicle appear during 3D views (except ghost mode).

This can be either **transparent** (reprinting images on the side of the vehicle: not recommended because it can mislead you); either **opaque** (black); or **striped**.

✓ **Our recommendations:** We recommend " Effet Opaque / Type 2", but see what works best for you.

iv. « Car Plate / Plaque d'immatriculation»

Once you have selected the " Plaque d'immatriculation / Car Plate" menu, you will be taken to a specific page, where you have the option to **customize your license plate**. By default, it says "ODONA".

Enter the various intuitive menus to change the text or color.



v. « Vehicle Transparency / Opacité du véhicule»



*Ghost mode enabled.*

It is a question of activating or not the "ghost" mode, which is also accessible with the "OK" button on the remote control.

It is set by default for startup.



✓ **Our recommendations:** leave on " Annuler / Close" to have a full view of your vehicle.

vi. « Guideline type / Lignes de guidage»



If you have activated the guide lines option in " Temporisation / Trigger Duration"



Here you have 7 different types of guideline materialization. The choice is yours.

✓ **Our recommendations:** the " Effet Opaque / Type 2" line is simple and effective, even though we do not recommend the use of lines in general.



## 6. MALFUNCTION: CAUSES AND RESOLUTIONS

### a) The screen is black when I turn it on

Check that you are on the correct channel of the screen by using the AV button on the screen.

### b) The image on the screen is flipped

If the image is completely inverted horizontally or vertically, use the rotate button on the screen or in the "function" menu, then rotate, to return the image as desired.

### c) I accidentally knocked a camera out of alignment

Contact your workshop to carry out a diagnosis of the installation and consider an intervention if necessary.

### d) Can I turn the screen off and let the system run?

Yes, it will record continuously, but don't forget to turn it off so that you don't consume battery unnecessarily. The system consumes approximately 1A.

### e) How can I change the language of my ODONA System?

As you can't access to this setting, please contact your reseller to change the language of your system. French and English versions are available.



[www.odona.eu](http://www.odona.eu)

If you have any questions, please contact your ODONA dealer,  
or write to us at [contact@odona.eu](mailto:contact@odona.eu)



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