



Manual

3. Operating the Recorder

- 3.1 Recorder ON/OFF**
- By default, the recorder will begin "General Video" recording, with the Record Voice setting turned off, automatically when the vehicle's ACC is ON (the Record Power on mode can be changed in the Setup Menu. Please refer to Section 5, "Device Settings").
 - By default, the recorder will stop recording and automatically save the video files when the vehicle's ACC is OFF (the Power-off Delay function can be changed in the Setup Menu. Please refer to Section 5, "Device Settings").
 - Press & Hold the POWER button for 2 seconds to turn the recorder ON/OFF manually.
- 3.2 Hardware Reset**
- Occasionally, the hardware may need to be reset if the recorder stops recording, or appears to be "frozen".
 - Press & Hold the POWER button for 5 seconds to perform a reset.

3.3 Micro SD Card Self Diagnostics

- The recorder checks the Micro SD card when it is powered ON everytime. Following messages will pop up:
- | Pop-up Message | Issue Description |
|-------------------|-------------------------|
| No memory card | No memory card inserted |
| Wrong memory card | Memory card damaged |
- Notes:
- The recorder will start recording automatically if the SD card is valid.
 - The system will automatically update its Firmware if an SD card with an updated version of the Firmware is inserted into the recorder.
 - If an updated firmware is installed, the recorder needs to be manually power cycled. Please turn OFF, then back ON.
- 3.4 Date & Time Setting**
- Please enter the correct Date & Time to ensure that the time stamp is accurate on recordings.
- File naming: drf_20131125_103020
- File type
- Date: YYYY/MM/DD
- Time: hh:mm:ss

3.5 Loop Recording

- When the vehicle's ACC is ON, the recorder will begin recording automatically, if the "Record Power Off" (Record Upon Power ON) setting is ON.
 - The frameless recording may be divided into several video clips (the default is 3 minute video clips). The length of video taking can be changed in the Setup Menu (please refer to Section 5, "System Settings").
 - When the vehicle's ACC is turned OFF, the recorder will stop recording and automatically save the video files, OR press the button to manually stop recording.
 - When recording is not in progress, press the button to manually begin recording, and press the button to manually stop recording.
- Notes:
- The files from Loop Recordings can be found in the "General Recording" folder in File Playback.
- File naming: evt_20131125_103020
- Date: YYYY/MM/DD
- Time: hh:mm:ss

3.6 Emergency Recording

- By default, if an "Event" is detected, such as a sudden impact, erratic high-speed driving, a hard turn, or a sudden stop, the Recorder's G-sensor will trigger the recorder to automatically begin "Emergency Recording" (if the G-Sensor Sensitivity is not turned OFF).
- Notes:
- When "Emergency Recording" is activated, the 10 seconds prior the event will be saved and will be overwrite protected.
- File naming: SPE_20131125_103020
- File type
- Date: YYYY/MM/DD
- Time: hh:mm:ss

3.7 Special Recording

- If you want to begin a manual "Special Recording" while "Loop Recording" mode is in progress, press the button.
 - To stop "Special Recording", press the button and the video will be saved and will be overwrite protected.
 - If the "G-Sensor Sensitivity" function is ON, the recorder will automatically begin "Special Recording" if an impact is detected.
- Notes:
- The Files from Special Recordings can be found in the "Emergency Recording" folder in File Playback.
- File naming: SPE_20131125_103020
- File type
- Date: YYYY/MM/DD
- Time: hh:mm:ss

3.8 Photo Taking

- Shortcut: If recording is in progress, press the button to stop recording and enter standby mode. Then, press button to enter the file playback mode. The latest file will be shown.
- Notes:
- If recording is in progress, press the button to stop recording.
- File naming: drf_20131125_103020
- File type
- Date: YYYY/MM/DD
- Time: hh:mm:ss

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Disclaimer

Omega reserves the right to edit the details and specifications in this manual without notice. Omega does not warranty this manual is error-free. Omega assumes no liability for damage incurred directly or indirectly from errors, omission, or discrepancies between the recorder and the manual.

This camera is intended for personal use and is not intended for commercial purposes.

Please read this manual carefully before using the camera.

WEEE Notice

This product must not be disposed of as "normal household waste" in accordance with the EU directive for waste electrical and electronic equipment (WEEE-2002/96/EC). Instead, it should be disposed of by returning it to a municipal recycling collection point.

Important Instructions

- This product should be installed near the rear-view mirror so that the Camera can capture the best view.
- Never handle the charger if you are wet.
- When in use, provide a well ventilated area for the charger.
- Do not use the charger while it is inside its carrying case.
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- Connect the charger only to a proper power supply. Voltage requirements are located on the product case and/or packaging.
- Do not use the charger if the cord is damaged.
- Do not attempt to repair the recorder. There are no user repairable parts inside.
- This product is compatible with 12V~24V DC vehicles.
- Periodically clean the lens.

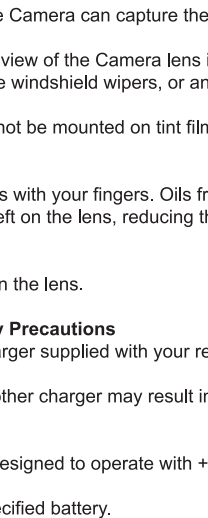
Charging & Safety Precautions

- Use only the charger supplied with your recorder.
- The use of any other charger may result in malfunction and/or hazard.
- This product is designed to operate with +5V DC/1.2A.
- Use only the specified battery.

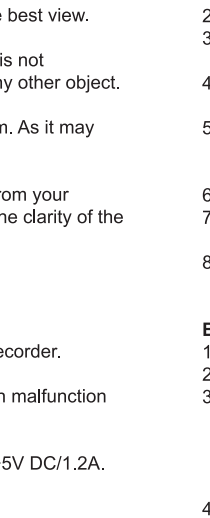
Charger Details

- Do not use the charger in a high moisture environment.
- Never handle the charger if you are wet.
- When in use, provide a well ventilated area for the charger.
- Do not use the charger while it is inside its carrying case.
- Connect the charger only to a proper power supply. Voltage requirements are located on the product case and/or packaging.
- Do not use the charger if the cord is damaged.
- Do not attempt to repair the recorder. There are no user repairable parts inside.
- This product is compatible with 12V~24V DC vehicles.
- Periodically clean the lens.

1.1 Kit Includes:



1.2 Quick View



4. Screen Status

Icon	Name	Description
[Icon]	Recording Time	Duration of recording
[Icon]	Date & Time Stamp	The recording date & time
[Icon]	Recording Resolution	1080p (1920 x 1080) / 720p (1280 x 720)
[Icon]	Battery life	Displays the battery level/charging status
[Icon]	Voice Recording	Displays recording type
[Icon]	Loop Recording	Press button to toggle "Loop Recording" while in standby mode.
[Icon]	Emergency Recording	Press button to toggle "Emergency Recording" while in "Loop Recording" mode.
[Icon]	Photo Taking	Press button to take a photo while in standby mode.
[Icon]	File Playback	Press button to playback video
[Icon]	Stop Recording	Press button to stop recording
[Icon]	Play	Press button to pause video
[Icon]	Pause	Press button resume playback

5. System Settings

Item	Description	Options
File Playback	Plays videos and photos.	General Video/ Emergency Video/ Photo
Date / Time	Press the buttons to set the date & time displayed on the screen.	Press buttons to adjust the value. Press button to advance to the next field and confirm.
Time Stamp	Shows the date & time on the recording.	ON / OFF
Resolution	Sets the image resolution.	1080p (1920 x 1080) / 720p (1280 x 720)
EV (Exposure Value)	Sets the exposure value.	Press button to adjust the value from +1.0 ~ -1.0
WDR (Wide Dynamic Range)	Enables/Disables the camera to automatically adjust exposure during poor lighting/back light conditions.	ON / OFF
Screen Timeout	Sets the timer for the monitor to turn off automatically after recording starts.	Screen Always On / 3 min / 10 min / Screen Off
Record (Voice Recording)	Enables/Disables the recorder to record sounds.	ON / OFF

6. Troubleshooting

Item	Description	Options
Restore to Default	Restores the system settings to factory defaults.	YES / NO
Volume	Adjusts the Playback and button-press volume.	Use the buttons to adjust the volume.
About	Displays the version of the current firmware.	N/A

Notes:

- If the recording is in progress, press the button to stop recording.

7. Specifications

Battery	Built-in Rechargeable Lithium Ion battery
Type	470mAh
Capacity	470mAh
Memory	
Type	Micro SD
Class	Class 10 or above
Support Capacity	Up to 32GB
Temperature	
Operating	-10°C ~ +60°C / +14°F ~ +140°F
Storage	-20°C ~ +70°C / -4°F ~ +158°F

2. Quick Start

- 2.1 Micro SD Card**
- To insert Micro SD card: Slide SD Card into the slot with its label facing the rear of the recorder.
 - The card will click into place when fully inserted.
- To remove Micro SD card: Place fingernail against edge of SD Card and lightly press in. SD Card will spring out, then remove card.
- Notes:
- Omega does not guarantee the recorder's compatibility with Micro SD cards from all manufacturers.

2.2 Recorder Installation

- Windshield Mounted
 - Place the suction cup in the desired position on the windshield and lock it by engaging the lock.
- Viewing Angle Adjustment
- The LCD will display the viewing image once recorder is powered ON.
 - Adjust the ball joint on the holder to find the best viewing angle.
- 2.3 Power Supply
- Wiring Diagram
- Connect to the vehicle's cigarette lighter.

3. Troubleshooting

- 1. After installation, the recorder doesn't work and all lights are off.**
- Confirm the vehicle's ignition key is ON.
 - Re-check the power connection.
- 2. Cannot enter the "Photo Taking" mode.**
- Photo taking is disabled while in "Loop Mode", "Emergency Mode", and "Special Recording Mode".
- 3. The monitor becomes dark/dull when in Power-off Delay mode.**
- The recorder's battery may be low or damaged.
- 4. Incorrect Date / Time.**
- Confirm that the built-in battery is charged, and/or functional.
 - To do so, while recording is in progress, disconnect the power supply to the recorder and confirm that the Power-off Delay function is working. If it is, the built-in battery is still functional. Enter the Setup Menu to set the Date & Time.
- 5. Can't enter the Setup Menu.**
- ALL programming options are inaccessible while "Emergency Recording" or "Special Recording" modes are in progress.

4. Screen Status

Item	Description	Options
Step (Audible Confirmations)	Enables/Disables audible confirmations.	ON / OFF
Record (Record Upon Power On)	Enables/Disables the recorder to automatically begin recording when turned on.	ON / OFF
Video Clip Length	Sets the length of each video clip during Loop Recording.	3 min / 5 min
G-Sensor Sensitivity	Sets the sensitivity of the G-Sensor. When enabled, the G-Sensor will automatically trigger an "Emergency Recording" when an "Event" is detected.	High / Medium / Low / OFF
Power-off Delay	Sets a timer for the recorder to stay on after it has been turned OFF.	10s / OFF
Language Setting	Sets the display's language.	English / Chinese / Spanish
File Deletion	Enters General, Emergency or Photo folders to select 1 or all files for deletion.	General Video / Emergency Video / Photo / Delete this file / Delete all files
Format	Formats an external SD card (ALL DATA WILL BE ERASED).	YES / NO

5. System Settings

Item	Description	Options
Restore to Default	Restores the system settings to factory defaults.	YES / NO
Volume	Adjusts the Playback and button-press volume.	Use the buttons to adjust the volume.
About	Displays the version of the current firmware.	N/A

Notes:

- If the recording is in progress, press the button to stop recording.

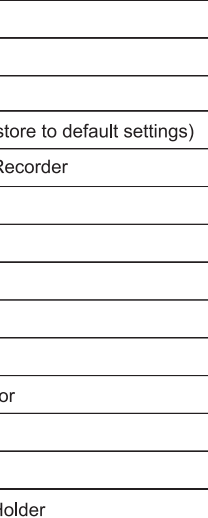
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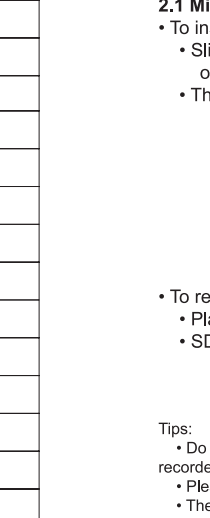
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Storage	-20°C ~ +70°C / -4°F ~ +158°F

8. Powered From Cigarette Lighter



8. Powered From Vehicle's ACC



9. Operating the Recorder

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- The recorder checks the Micro SD card when it is powered ON everytime. Following messages will pop up:
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- Notes:
- When "Emergency Recording" is activated, the 10 seconds prior the event will be saved and will be overwrite protected.
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9.7 Special Recording

- If you want to begin a manual "Special Recording" while "Loop Recording" mode is in progress, press the button.
 - To stop "Special Recording", press the button and the video will be saved and will be overwrite protected.
 - If the "G-Sensor Sensitivity" function is ON, the recorder will automatically begin "Special Recording" if an impact is detected.
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