USER GUIDE GR430EDR

Product Overview

The GR430EDR is an OE Grade Mirror Monitor with a Full HD 1080P Dash Cam. The dual function Mirror Monitor/ Dash Cam is just like a normal rear view mirror with a built in 4.3" screen allowing you to see what is behind the vehicle when reverse gear is engaged *(additional rear view camera needed)*. **With the 1080P Dash Cam camera**, it can record the front view image, to keep it as evidence for traffic disputes and accidents. The GR430EDR has dual video inputs, allowing for connection to a car DVD player or a video parking sensor system (not included)

Product Features:

OEM Look and OEM quality mirror.
4.3" High-Definition LCD Monitor with Auto adjusting brightness control
OEM wire harness cover for factory look
Two (2) Video inputs
Anti-Glare mirror
Built-in Dash Cam
G-sensor function
170° view angle with fisheye correction (diagonal)
F2.0 large aperture, 6 glass lens for optimal night vision
Full HD - 1920*1080 (30f) recording.
Loop recording
SOS lock function
Easy Installation

Technical Specifications:

Image sensor: 3.2 Mega Pixel CMOS	Video segment: 1min/3min/5min/10min
Screen size: 4.3"	Exposure adjustment: EV-2 ~ EV+2
Lens: 120-degree A+ grade full-glass type	Frequency: 50HZ/60HZ
Picture pixels: 2- million pixels (dynamic)	Battery: Inbuilt Li-on battery, 3.7V, 200mA
3.2-million pixels (static)	OSD language: English/Spanish/Portuguese
Picture format: JPEG	Russian/Simplified Chinese/Japanese
Image resolution: 2048*1536(3M) 1920*1080 (2M)	
1280*960(1.2M) 640*480 (VGA)	USB: USB2.0
Video format: AVI, supports H.264	Memory card: supports high-capacity TF card
Recording mode: Full HD - 1920*1080 (30f)	up to 32GB
HD - 1920*720 (30f)	Protection sensitivity: Off/Level 1/Level 2
HD - 1920*720 (60f)	Level 3/Level 4
VGA - 640*480 (30f)	Gyroscope: Video flicker compensation +
Digital zoom: 4 x Digital zoom in/out	image stabilization
Speaker: Inbuilt hi-fi speaker; Microphone: Inbuilt	

Do not use the Mirror/Dash Cam in a damp working environment, as it is not waterproof.

Do not open or try to repair the Mirror/Dash Cam by yourself. If the unit or any accessories for the Mirror/Dash Cam have any problems, please take it to an authorized repair agent for repair.

Do not use chemicals, solvents or cleaners to clean the Dash Cam, please use a moist soft cloth.

Please care for the environment, do not discard this machine randomly; do not throw the Dash Cam into a fire, as it may explode.

Please pay attention to cleaning the lens surface, use a moist soft cloth to clean the lens before use, to avoid poor video footage.

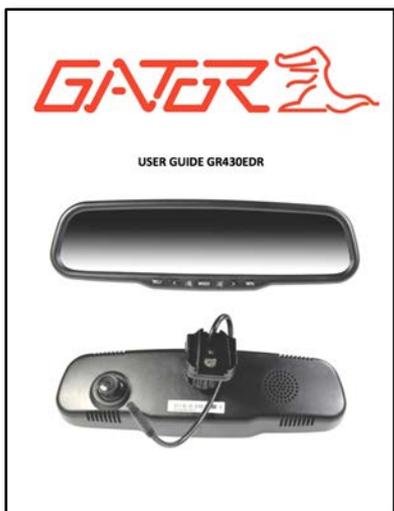**Package Components:**

Mirror/DASH CAM

Power cable with fuse

Glass mounting metal button

Allen key

Wiring cover

USER GUIDE GR430EDR

User manual

Adapter mounting brackets (sold separately)

AMB1
VW Audi

AMB2
Dodge
Chrysler
Jeep
Ram

AMB3
Honda
Subaru

Product Structure:

1) Record
2) UP /adjustment "-"/ Zoom
3) Ambient light sensor
4) Mode
5) Working indicator

6) DOWN /adjustment "+"/ Zoom
7) Menu
8) Adjustable Dash Cam camera
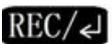9) Speaker
10) Micro SD Card slot

System and Dash Cam Operation

1. This system has signal-sensing. When the Video 1 or 2 inputs see a signal, the display will automatically turn on. When the signal is removed, it will automatically switch to movie mode. If both inputs see a signal, Input 2 will override Input 1.

2. When powered on, the monitor turns on automatically, and Dash Cam starts recording. To stop Recording, simply press REC/↵ button.

3. When Dash Cam is recording, the working indicator is green. When Dash Cam is not recording, it is blue.

4. The screen will be **LCD Power Save Mode** in 10 seconds after the Dash Cam is turned on. Press any button to turn it on again, it will be LCD Power Save Mode again in 10 seconds. To turn off this feature or select time, See **Dash Cam Menu Operation Instruction**- **General Settings**-**LCD Power Save** option.

Auto–Adjusting Brightness Feature

The brightness of the 4.3" LCD screen will adjust automatically to its environment's lighting conditions. In brighter conditions, the display will brighten to increase the image's view ability. In darker conditions, it will decrease its brightness so as not to over-stimulate the driver's eyesight.

Button Instructions:

Button name	ICON	Button Operation instruction
MENU BUTTON	MENU	*Under Dash Cam channel, press this button to enter sub-menus of Dash Cam. * Under V1 or V2 channel, press this button to adjust brightness, contrast, saturation
MODE/POWER	MODE/⏻	*Long-press this button for 4 seconds to turn off the device. *Under Dash Cam channel, press this button to switch between Still Capture mode, Playback mode and Movie mode
DOWN BUTTON	>	*Adjust "+" under V1 or V2 channel. *Under Dash Cam channel, press this button to move downward on menu page, to zoom in on Still Capture mode, and to turn on/off Sound Record on movie mode
CONFIRM BUTTON	REC/↵	*Quick switch to V1 by long-pressing this button for 1-second. *Under Dash Cam channel, press this button to start/pause movie recording or to confirm the selection of a sub-menu.
UP BUTTON	<	*Adjust "-" under V1 or V2 channel. *Under Dash Cam channel, press this button to move upward on menu page, and to zoom out on Still capture mode.

This device provides various menu settings for users to set up the system. Generally, five modes, including Movie Mode, Still Capture, Playback, Media Tool, and General Settings. ***Before enter into Main Menu interface, please turn off the video recording by short pressing*** REC/↵ *button*

⬚ **Movie Mode**

While in the movie mode, push MENU button to access the Movie Mode menu interface, the instructions as follows:

Movie Mode	Instructions	Submenu
Movie Mode	Select movie mode	FHD: Full High Definition 30fps, HD:30fps,HD:HD60fps,VGA:VGA30fps
Movie Quality	Select movie quality	Super Fine/Fine
Movie Clip Time	Movie Clip Time	Off/1min/3min/5min/10min
Sound Record	Sound Record	On/Off
MIC Sensitivity	Adjust the microphone volume	Standard/Low
Scene	Select mode for various scenes	Auto/Sport/Portrait/Landscape/Snow/Beach/Fireworks
Exposure	Adjust the brightness	-2~+2 , From brightness-2 to brightness+2
White Balance	Adjust the color balance	Auto/Daylight/Cloudy/Incandescent/Fluorescent1~3
ISO Sensitivity	Select the sensor sensitivity	Auto/ ISO100/ISO200/ISO400

📷 Still Capture

While in the mode of Still Capture, just push [MENU] button to access the Still Capture menu interface, the instructions as follows:

Still Capture	Instructions	Submenu
Still Image Size	Select the still image size	14M/12M/8M/5M/3M/2M/1.2M/VGA
Still Quality	Select the still image quality	Super Fine/Fine
Scene	Select mode for various scenes	Auto/Sport/Portrait/Landscape/Snow/Beach/Fireworks
Exposure	Adjust the brightness	-2~+2, From brightness-2 to brightness+2
White Balance	Adjust the color balance	Auto/Daylight/Cloudy/ Incandescent/ Fluorescent1~3
ISO Sensitivity	Select the sensor sensitivity	Auto//ISO100/ISO200/ISO400
Color	Adjust the color saturation	Natural/Vivid/Pale
Effect	Select the image effect method	Normal/Sepia/B&W/Emboss/Negative/Sketch/Oil/Crayon

▶️ Playback

While in the mode of Playback, just push [MENU] button to access the Playback menu interface, the instructions as follows:

Playback	Instructions	Submenu
Volume	Movie playback volume	1~10
Delete	Delete movies or photos	Delete One/ Delete All
Protect (SOS)	Protect movies or photos against delete	Protect One/Unprotect One/Protect All/Unprotect All

Media Tool

While in the mode of Media Tool, just push **MENU** button to switch into the Media Tool menu interface, the instructions as follows:

Media Tool	Instructions	Submenu
Format SD-Card	All data will be deleted	YES/NO
SD-Card Information	Movie Time Left, Photos Left	

General Settings

In any mode, just push the MENU key and then push the MODE key to switch into the General Settings menu interface, the instructions as follows:

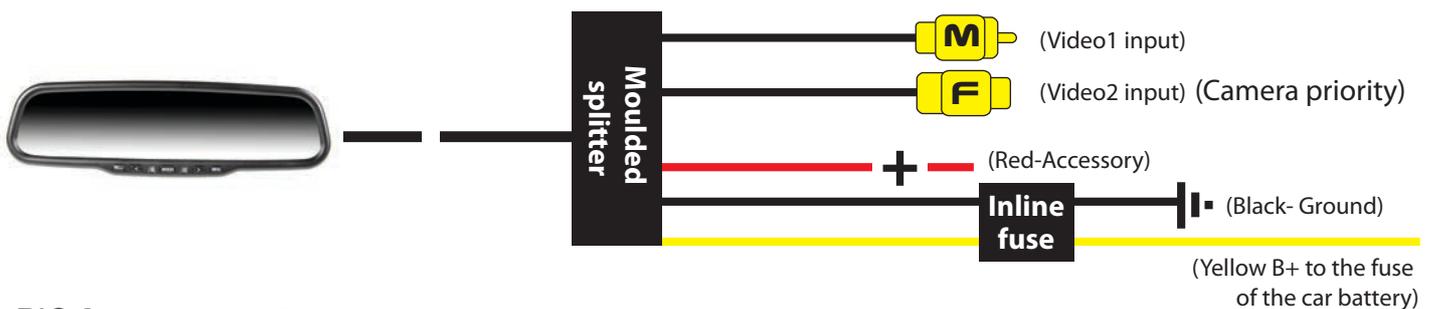| General Settings	Instructions	Submenu
Beep	Turn the beep on/off	On/Off
Clock Settings	Select the clock setting	2015Y 4M 20D 0:00
Date Format	Select the date format	None/YYYY MM DD/MM DD YYYY/DD MM YYYY
Stamp	Date & logo on recordings	Date + Logo, Date, Logo, Off
Language	Select language	English/Spanish/Portuguese/Russian/Simplified Chinese/Japanese
Flicker	Flicker Frequency	50HZ/60HZ
LCD Rotate	LCD Rotate	On/Off
LCD Power Save	LCD Power Save	Off/10sec/30sec
Protect Level	G-Sensor	Off/Level0~4 (0 more sensitive, 4 less sensitive)
Reset Setup	All settings will be deleted	YES/NO
FW Version	FW Version	Version

Installation Notes

This system is has signal sensing, there is no "reverse trigger wire" in the wire harness. Be sure to use a **relay with CANBUS vehicles** (not included) to power your camera, as most vehicles' reverse lamp wires are now variable voltage wires, and will cause a fuzzy or distorted image. (PIC 2)
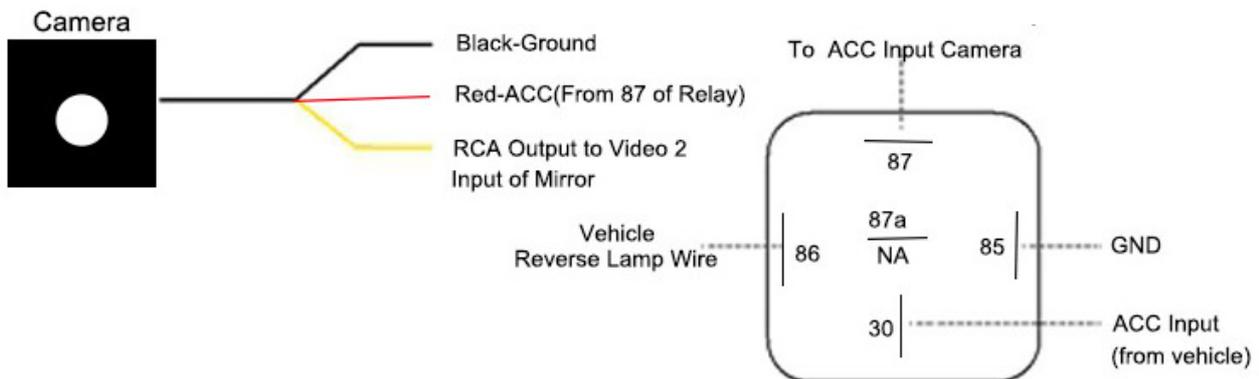
Installation

1. Remove OEM mirror and replace with supplied LCD mirror. LCD mirror can be mounted to the vehicles existing window mounts, or by using the adapter and glass mounting metal button included. Glue the mounting metal button to the vehicles window glass using rear view mirror glue (not included). Tighten mount to metal button with Allen key provided.

2. Adapters for other vehicles can also be purchased separately. (www.aerpro.com.au)

3. Run your wiring harness into the headliner and down the vehicles A-Pillar, making sure to avoid any factory airbags. Secure your wiring with zip-ties.

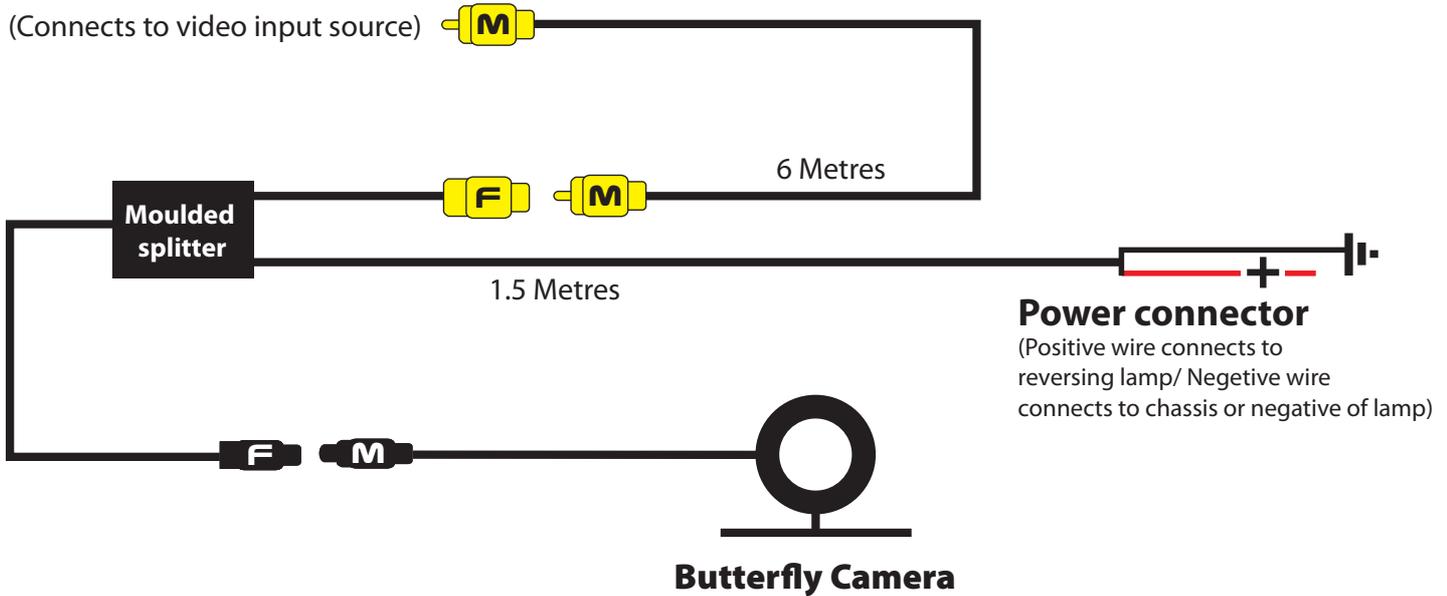4. Make all necessary wiring connections (See wiring diagram PIC 1)

PIC 1

PIC 2

Black (Ground) – Locate a suitable location to ground (negative) the Black wire in the wiring harness. You may connect this wire to a factory ground point in the vehicle, or attach a ring terminal to the black wire and screw into the body of the vehicle. If you choose to screw into the body, clean the area of any paint or adhesives to allow for good metal-to-metal contact.

Installing optional reversing camera (not included)(Gator G30C model)

(Connects to video input source)

M

6 Metres

Moulded splitter

F **M**

1.5 Metres

Power connector
(Positive wire connects to reversing lamp/ Negetive wire connects to chassis or negative of lamp)

F **M**

Butterfly Camera

Frequently Asked Questions

Under normal operating conditions, if there are problems with the device, please refer to the following methods to resolve.

Cannot take pictures or record video?
Please check whether there is enough space on the micro SD card. Also when the G-Sensor sensitivity is set to more sensitive this may trigger automatic recording, creating video files that do not get recorded over with loop recording. Change G-Sensor settings to less sensitive.

Stopping automatically while recording
Due to the high amount of HD video data being recorded, please use a high speed micro SD card. To tell if you have the required high speed card, check if it has the 'Micro SDHC' logo on the SD card and its Class 6 or 10.

Fuzzy/dirty image
Please check if the lens is filled with dirt or fingerprints and clean carefully. Please clean lens with cloth before shooting.

Horizontal stripes interference in the image
This is due to the wrong setting of light frequency error, please set the frequency to 50HZ as it is the Australian standard frequency.

Why does the time and date reset?
The time resets when the vehicles battery is flat.

Why is the battery not charging in the car?
Check that yellow B+ cable is connected to cars battery & inline fuse has not blown.

Why does the Dash Cam turn off automatically?
The Dash Cam is programmed to turn off the screen display after 10 or 20 seconds. This is called LCD power save, in the settings menu.

Micro SD card not recognised by Dash Cam
Format card in the Dash Cam's menu setting's before use.

A coloured tinge showing up in the video?
Make sure to peel off the transparent protective sticker on the front of the Dash Cam lens.

Infringement of copyright warning

Please note that this product is for personal use only, the method of use shall not violate the goods infringe on domestic or international copyright laws. Even recorded images for personal use only, please note that in some cases to use this product to record performances, exhibitions or business activities of the images may infringe the copyright or other legal rights and interests of others.

Technical Assistance

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

TEL: 03 – 8587 8898

FAX: 03 – 8587 8866

Mon-Fri 9am – 5pm AEST

Please retain this user guide for future reference.

If you would like to download a digital copy of this manual, or other Gator manuals/software, please visit the TDJ.com.au website and click 'Help/Downloads' for information on where to find the manuals/software.