

D16VR  
User Guide

# AUTOMOTIVE DIGITAL VIDEO RECORDER



**WHISTLER**

# WHAT'S INCLUDED



**D16VR**



**WINDSHIELD  
BRACKET**



**DC POWER  
CORD**



**USB CABLE**



**USER  
GUIDE**

## Welcome

Thank you for choosing a Whistler product. We are dedicated to providing products that represent both quality and value. Please read the user guide carefully before using this product. If you have additional questions, please visit the FAQ page on our website at

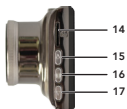
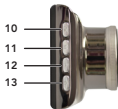
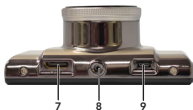
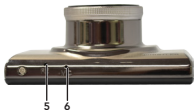
**[www.whistlergroup.com](http://www.whistlergroup.com)**

or call toll free 800-531-0004

8am to 5pm CT, Monday through Friday  
to speak to a Customer Service Representative.

# PRODUCT INTRODUCTION

## Features



1. Camera Lens
2. Speaker
3. Status LEDs
4. LCD Display
5. Reset Button
6. Microphone
7. Mini HDMI Jack
8. Bracket Mount
9. USB Jack
10. OK Button
11. Mode Button
12. Lock Button
13. Power Button
14. Micro SD Card slot
15. UP Button
16. Menu Button
17. Down Button

# FEATURE DESCRIPTION

## Button and Function

1. **Camera Lens** – 170° wide-angle lens.
2. **Speaker** – Provides audio for playback and device tones.
3. **Status LED** – BLUE = power on, RED = charging, Flashing Blue = Recording
4. **LCD Display** – View photo and video.
5. **Reset Button** – Using a small pin, push in to reset the device.
6. **Microphone** – Audio receiver for video recording.
7. **Mini HDMI Jack** – Provides connection to a HDMI monitor.
8. **Bracket Mount** – windshield bracket attachment.
9. **USB Jack** – Allows PC interface to access microSD card, PC camera and charge the battery.
10. **OK / Record Button** – Press to start recording. Press again to stop. In menu, selects highlighted items.

# FEATURE DESCRIPTION

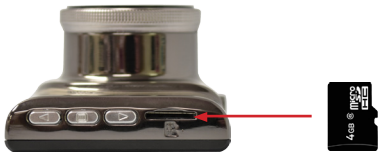
11. **Mode Button** – Press to switch modes: Video, Camera, Play back.
12. **Lock Button** – Manually protects files.
13. **Power Button** – Press and hold to power ON/OFF  
Can also be briefly pressed during operation to temporarily put display into screen saver.
14. **MicroSD Card Slot** – Slot for memory card.
15. **UP Button** – Press UP to zoom in. In Menu allows scrolling of menu items.
16. **MENU Button** – Press button to display menu settings.
17. **Down / Mute Button** - Press DOWN to zoom out. In Menu, allows scrolling of menu items. When zoomed out, mutes audio.

# OPERATIONS

*Designed exclusively for motor vehicles operating at 12 or 24 volts DC.*

## Inserting a micro SD Card

Before initial use, insert a micro SD card. (Suggest at least a 4GB card (Class 6 minimum), up to 32GB)



## Charging the Unit

Fully charge DVR for initial use by:

- 12 volt Car charger
- PC USB port

The status LED is red during charging.

**NOTE:** Turn DVR off before inserting or removing the micro SD card.

# OPERATIONS

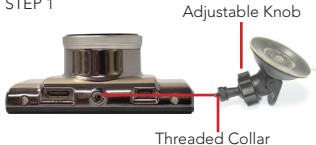
## Installing the Windshield Bracket

The included windshield bracket securely places the DVR onto the vehicle's windshield.

Follow the procedure below to secure the bracket:

1. Insert the threaded collar into the bracket mounting point on top of the DVR and tighten until snug. (Threaded collar may be used to insure bracket its snugly tightened.)
2. If applicable, remove protective film from the suction cup.
3. Clean the selected area of the windshield for mounting using a quality glass cleaner.
4. Press the bracket onto the windshield. To secure the suction cup press the locking tab toward the windshield.
5. Loosen the knob on the bracket to adjust the angle of the DVR. Tighten knob securely to secure the DVR's position.

STEP 1



STEP 4



# OPERATIONS

## Power Connection in Vehicle

1. Plug the mini USB end of the vehicle power cord into the USB jack of the DVR.
2. Insert the other end of the power cord into the vehicle's lighter socket/power port.

**NOTE:** Unit will automatically turn on and start recording when power is applied. It will turn off when power is removed.



## Power ON/OFF

**Power On:** Press and hold  to turn on. Blue Status LED illuminates.

**Power Off:** Press and hold  to turn off.


**NOTE:** The unit will automatically power **OFF** after the low battery warning is displayed.






# OPERATIONS

## Initial Settings

### Date & Time Setting

1. Once connected with car charger, the device will start power **ON** and start recording. Press the **OK** button to switch into standby mode.
2. Press the **MENU** button twice then Press the **▲** or **▼** to select Date/Time. Press **OK** to enter into setting.
3. Press **▼** or **▲** to choose the specific number, press **OK** to enter into next setting. Once finished with settings, press **MENU** button  to return to DVR operation.

### MENU Settings

There are 3 available levels; Video , Camera , and Playback .



**NOTE:** Video or Camera menus have different option selections. Use the MODE button to select the correct level.

4. Press the menu button to see available settings.
5. Press the **▼** or **▲** to scroll through the settings.
6. Press **OK** to make a selection.

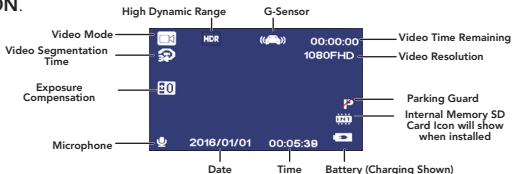
# OPERATIONS

## Recording or Review a Video or Image


### Recording Video

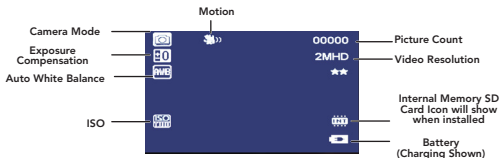
- 1. Power on:** Press and hold  to turn on DVR.
- The  icon is shown in the top left corner with a blinking red dot when recording. Press **OK** to stop recording if desired.

**NOTE:** When powered externally the DVR will automatically be in Video Record mode and begin recording after initial power ON.



### Recording Image

- 1. Take Picture:** Press **MODE (M)** button. Camera icon  will be displayed in upper left corner.
- Press **OK** to take an image.



# OPERATIONS

## Review

1. Press **MODE (M)** to enter review screen.
2. Use ▼ or ▲ to highlight a file. Press **OK** to select it.
3. Press OK again to play a video. Use **OK** to pause the video.
4. Press ▼ or ▲ to select another file.
5. When in this mode press **MENU** to select Delete, Protect or Slide Show Options.
6. Press **MODE (M)** to exit review mode.



# OPERATIONS

## USB Settings

Connect the unit to a computer using the USB cable included. Two options are available. Use ▼ or ▲ and **OK** buttons to select an option.

**Mass Storage** - In this mode the recorded files can be accessed directly from the micro SD card installed into the DVR. They can be viewed directly from the card or transferred to the computer for storage.

**PC Camera** - In this mode the DVR can be selected from a computer as an attached USB device and used as a webcam (additional drivers may be required and are not included).

## View DVR Screen on TV or Monitor

Simply plug in a compatible HDMI cable into the mini HDMI jack to an HDMI input on a TV or video monitor for larger viewing.

## Battery Charging



Full Battery



Slightly Low Battery



Low Battery



Battery Empty

- The unit may be charged using the included 12V Car Adapter or USB cable.
- The red indicator light will be illuminated until charging is complete.

**NOTE:** The unit is intended to be used with external power source being supplied with either cord included. Stand alone battery time is approximately 15 minutes.

# OPERATIONS

## Special Functions

- G-sensor function. If a sudden shock is detected (such as in an accident) the video segment recorded is protected from being overwritten.
- Automatic power ON/OFF function when using car adapter plugged into 12V power port controlled by vehicle ignition.
- Seamless loop recording.
- Mini HDMI output jack.
- Parking Monitor: When enabled, the DVR will automatically turn on and start recording when it detects a hit against the car. This is mainly used when the car is parked and someone hits your vehicle. A 'P' icon on the right of the screen signifies it is turned on.
- High Dynamic Range (HDR) when enabled is a software process to enhance details to the shadows of the image.
- Screen saver mode, when enabled will minimize night time distraction. Will also extend battery life when operating without external power.

# TROUBLESHOOTING

|   |   |
|---|---|
| Can't record or take photo                    | Confirm that the micro SD card is of proper class (C6 min.) and has available capacity.   |
| Unit doesn't work with my SD Card             | If the unit does not recognize the card, remove the SD card and insert it again. If still not recognized, the SD card maybe damaged or device does not support this type of memory card. Try another memory card. (SanDisk recommended) |
| "files error" appears during replay           | Uncompleted files due to micro SD card storage error. Reformat or replace card.   |
| Video or Photo unclear                        | Check lens for fingerprints, protective film or other obstruction. Use a soft cloth to clean lens.  |
| Black image when recording sky or water scene | Scenes with large contrast can influence the automatic exposure function of the unit. Adjust Exposure setting in the Global menu settings ✂ to correct image.   |
| Cross stripe interference in image            | This is caused by incorrect "Light Frequency" setting. Check setting for 50Hz or 60Hz in MENU Settings.   |

# TROUBLESHOOTING

## Reset

Operation can be restored by pushing the reset button.

**NOTE:** No user serviceable parts inside. Do not open product.

## Use and Care

1. Unit does not use a Touch Screen to control its functions! Do not touch screen with any objects as damage to screen may occur.
2. Do not leave unit in direct sunlight for extended period of time, especially in a vehicle.
3. Avoid using the unit in dusty and damp environments.

# SPECIFICATIONS

Specifications are subject to change without notice.

|                          |  |
|--------------------------|--|
| Features                 | HD camera, HD video recording                    |
| Unit Dimensions<br>HxWxD | 54.88 X 84.54 X 35.12 mm<br>(2.2" x 3.3" x 1.3") |
| Unit Weight              | 140 g (4.9 oz)                                   |
| LCD Screen Size          | 3.0" TFT   |
| Zoom                     | 4X Digital                                       |
| Lens                     | 170° High definition wide-angle lens             |
| Resolution               | 1080FHD / 720P / WVGA / VGA                      |
| Files Format             | MOV  |
| Loop Recording           | OFF / 3 MIN. / 5 MIN. / 10 MIN.                  |
| Memory                   | Micro SD Card - C6 MIN. / 32GB Max               |
| USB                      | USB 1.1 / 2.0                                    |
| DC IN                    | DC5v +/- 1000mA                                  |
| Frequency                | 50Hz / 60Hz                                      |



# SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| Battery Capacity            | 400mAH  |
| Power Consumption           | 220mA   |
| Microphone/<br>Speaker      | Support   |
| Language                    | Supported languages are listed in MENU settings |
| Photo Mode                  | 12 Mega pixels                                  |
| Photo Format                | JPEG  |
| Video Output                | HDMI  |
| USB Function                | 1. USB - Disk<br>2. PC - Camera                 |
| Operating Temperature Range | 0° ~ 50°C (32° ~ 122°F) @ Humidity of 10% - 80% |

# SPECIFICATIONS

## Basic functions

- Low illumination high-definition video  
1080FHD@30fps 720P@30fps
- Built-in low illumination 170° lens
- 3.0 inch LTPS Monitor
- Impact sensitivity adjustment automatically locks file
- Supports cycle video
- Mini HDMI output jack
- Supports up to 32 GB micro SD card
- Charges while in use
- Image monitor with real-time output

# MENU OPTIONS

Video resolution: 1080FHD / 720P / WVGA / VGA

Loop recording: OFF / 3 min / 5 min / 10 min

Exposure compensation: -2 -- +2

Motion detecting: ON / OFF

Recording audio: ON / OFF

Date stamp: ON / OFF

G-sensor: OFF / Low / Medium / High

HDR: ON / OFF

Plate Number: ON / OFF

Parking Monitor: ON / OFF

## System Settings

Date/time: 2016/01/01 00:00:00 Year / month / day

Auto power off: OFF / 3 min / 5 min / 10 min

Beep sound: ON / OFF

Language: English / simplified Chinese / traditional Chinese  
/ French / German / Japanese / Korean / Russian / Spanish /  
Portuguese

TV mode: NTSC / PAL

Light source frequency: 50HZ / 60HZ

Screen Saver: OFF / 3 min / 5 min / 10 min

Formatting: Cancel / OK

Default Settings: Cancel / OK

Version: \* \* \* \* \*

## Playback Options

Delete: Delete Current/Delete All

Protection: Lock Current/Unlock Current/Lock All/Unlock All

Slide Show: 2 sec / 5 sec / 8 sec

# WARRANTY INFORMATION

## Consumer Warranty

This Whistler product is warranted to the original purchaser for a period of one (1) year from the date of original purchase against all defects in materials and workmanship, when purchased from an authorized Whistler retailer. This limited warranty is void if the unit is abused, misused, modified, installed improperly, or if the housing and/or serial numbers have been removed. There are no express warranties covering this product other than those set forth in this warranty. All express or implied warranties for this product are limited to one (1) year. Whistler is not liable for damages arising from the use, misuse, or operation of this product including but not limited to loss of time, inconvenience, loss of use of your product or property damage caused by your product or its failure to work, or any other incidental or consequential damages including personal injury.

DO NOT RETURN ITEM TO STORE WHERE PURCHASED.  
FOR WARRANTY INFORMATION, CONTACT WHISTLER  
CUSTOMER SERVICE AT 1-800-531-0004.

Representatives are available to answer your questions  
Monday – Friday  
8:00 a.m. to 5:00 p.m. CT

# WARRANTY INFORMATION

## Service Under Warranty

During the warranty period, defective units will be repaired or replaced (with the same or a comparable model), at Whistler's option, without charge to the purchaser when returned prepaid, with dated proof of purchase to the address below. Units returned without dated proof of purchase will be considered out-of-warranty and therefore are not covered by the described Limited Warranty. (Refer to Service Out-of-Warranty section.)

1. Due to the specialized equipment necessary for testing Whistler products, there are no authorized service centers other than Whistler. When returning a unit for service under warranty, please follow these instructions:
2. Ship the unit in the original carton or in a suitable sturdy equivalent, fully insured, with return receipt requested to:

Whistler Repair Dept.  
1412 South 1st St.  
Rogers, AR 72756

Please allow 3 weeks turnaround time.

**IMPORTANT:** Whistler will not assume responsibility for loss or damage incurred in shipping. Therefore, please ship your unit insured with return receipt requested. **CODs will not be accepted!**

# WARRANTY INFORMATION

3. Include with your unit the following information, clearly printed:
  - Your name and physical street address for shipping (no PO Boxes), a daytime telephone number, and an email address (if applicable).
  - A detailed description of the problem (e.g., “device will not power ON”).
  - A copy of your dated proof of purchase or bill of sale.
4. Be certain your unit is returned with its serial number. Units without serial numbers are not covered under warranty.

**IMPORTANT:** To validate that your unit is within the warranty period, make sure you keep a copy of your dated proof of purchase. For warranty verification purposes, a copy of your dated store receipt must accompany any Whistler product sent in for warranty work.

## **Service Out-Of-Warranty**

Units will be repaired at “out-of-warranty” service rates when:

- The unit’s original warranty has expired.
- A dated proof of purchase is not supplied.
- The unit has been returned without its serial number.
- The unit has been misused, abused, modified, installed improperly, or had its housing removed.

# WARRANTY INFORMATION

The minimum out-of-warranty service fee for your Whistler DVR Camera is \$50.00 (U.S.). If you require out-of-warranty service, please return your unit as outlined in the section "Service Under Warranty" along with a cashier's check or money order in the amount of \$50.00. Payment may also be made by MasterCard, VISA or American Express. **Personal checks are not accepted.**

In the event repairs cannot be covered by the minimum service fee, you will be contacted by a Whistler technical service specialist who will outline options available to you.

**IMPORTANT:** When returning your unit for service, be certain to include a daytime telephone number and an email address (if applicable).

## Customer Service

If you have questions concerning the operation of your Whistler product, or require service during or after the warranty period, please call

Customer Service at 1-800-531-0004.

Representatives are available to answer your questions Monday - Friday from 8:00 a.m. to 5:00 p.m. (CT) or visit the FAQ at [www.whistlergroup.com](http://www.whistlergroup.com).

## **CORPORATE HEADQUARTERS**

1716 SW Commerce Dr. Ste. 8

Bentonville, AR 72712

Toll Free (800) 531-0004

TEL (479) 273-6012

[www.whistlergroup.com](http://www.whistlergroup.com)

## **CUSTOMER RETURN CENTER**

1412 South 1st St.

Rogers, AR 72756

Email: [info@whistlergroup.com](mailto:info@whistlergroup.com)

P/N

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