

D19VR

OWNER'S MANUAL

DVR Camera



WHISTLER

WHAT'S INCLUDED



D19VR



**WINDSHIELD
BRACKET**



LANYARD



**TRIPOD
ADAPTER**



**LANYARD
ADAPTER**



**USB POWER
CABLE**



**12V POWER
PORT ADAPTER**



**OWNER'S
MANUAL**

Welcome

Thank you for choosing a Whistler product. We are dedicated to providing products that represent both quality and value. Please read the user manual carefully before using this product. If you have additional questions, please visit the FAQ page on our website at www.whistlergroup.com or call toll free 800-531-0004, 8am to 5pm CT, Monday through Friday to speak to a Customer Service Representative.

FEATURE DESCRIPTION

Features



- | | | |
|------------------------------------|---------------------------------------|-----------------------|
| 1. Camera Lens | 5. Micro USB Port | 9. Microphone |
| 2. Speaker | 6. MicroSD Card Slot | 10. Status Indicator |
| 3. Emergency/Enter/ Stop Button | 7. Power/Menu/ Mute/Home Button | 11. GPS Receiver Slot |
| 4. Record/Select/ Pause Button | 8. LCD Display | 12. Micro HDMI Port |
| | | 13. Adapter Rail |

FEATURE DESCRIPTION

Button and Function

1. **Camera Lens** - 160° ultra wide-angle lens.
2. **Speaker** - Provides audio for playback and device tones.
3. **Emergency/Enter/Stop Button** - Press button to display menu settings.
4. **Record/Select/Pause Button** - Press and hold to start recording. Press again to stop. In menu, selects highlighted items.
5. **Micro USB Port** - Allows PC interface to access SD card and charge the battery.
6. **MicroSD Card Slot** - Slot for memory card.
7. **Power/Menu/Mute/Home Button** - Press to power ON/OFF.
8. **LCD Display** - View photo and video.
9. **Microphone** - Allows audio recordings.
10. **Status Indicator** - This is the LED indicating charging status.
11. **GPS Receiver Slot** - Provides GPS information with the optimal GPS antenna module.
12. **Micro HDMI Port** - Provides connection to an HDMI monitor. (HDMI cable not included)
13. **Adapter Rail** - Area used for attaching windshield, tripod, and lanyard adapters.

OPERATIONS

Inserting a MicroSD Card

Before initial use, insert a microSD card. (for best results, use at least a 4GB card High Capacity, up to 64GB).



Charging the Unit

Fully charge DVR for initial use by:

- Car charger
- PC USB port

Display screen will show ⚡ while charging.

NOTE: Turn DVR off before inserting or removing the microSD card.

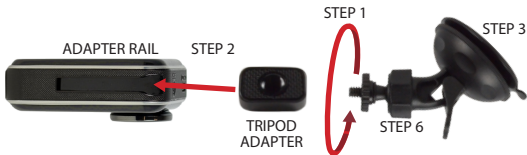
OPERATIONS

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. Screw the **TRIPOD ADAPTER** onto the threaded shaft of **WINDSHIELD BRACKET**.
2. Slide the **TRIPOD ADAPTER** into the **ADAPTER RAIL** on the top of the DVR.
3. If applicable, remove protective film from the suction cup.
4. Clean the selected area of the windshield for mounting using a quality glass cleaner.
5. Press the bracket onto the windshield. To secure the suction cup press the locking tab toward the windshield.
6. Loosen the knob on the bracket to adjust the angle of the DVR. Tighten knob securely to secure the DVR's position.



OPERATIONS

Power Connection in Vehicle




1. Plug the Micro USB end of the vehicle power cord into the Micro USB port of the DVR.
2. Insert 12V Power Port Adapter into available vehicle 12V power port.
3. 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.










Shooting or Playback a Video



Shooting

1. **Power on:** Press  to turn on DVR.
2. **Record:** Press  to start recording. Press  again to stop.

Playback

1. **Playback:** Press  to enter menu settings.
2. **Playback** is highlighted, Press .
3. Press  again to play the last video. Use the  and  buttons to select or delete other videos.
4. Press  to pause the video and press  to stop.











OPERATIONS

5. Press  to exit **Playback** mode.
6. **Power off:** Press and hold  for 2 seconds.



Menu Settings

DVR has eight menu settings. Advanced settings can be set up via mobile APP.

| | |
|--|---|
|  Playback | Play recorded images |
|  Action Cam Mode  Dash Cam Mode | Dash Cam is default option, press  to switch to Action cam |
|  WiFi | Enable/Disable WiFi for wireless connection |
|  Cloud | Enable/Disable internet cloud connection |
|  Voice Record | Enable/Disable voice recording (Action Cam Mode only) |
|  Auto Record | Enable/Disable auto recording when car engine starts (Action Cam Mode only) |
|  Screen Auto Off | Screen turns off after 60 seconds of non-operation (Action Cam Mode only) |
|  Settings | Reset to factory default settings or format microSD card |

OPERATIONS





NOTE: After 10 seconds (approx.) of non-operation in menu settings, screen returns to preview.

DVR has two recording modes for different applications:


Action Cam Mode: Shoot normal videos.

Dash Cam Mode: Shoot loop and emergency videos.

Comparison between modes:

| Mode | Action Cam Mode | Dash Cam Mode | |
|-----------------|---|---|--|
| Record Type | Normal | Loop | Emergency |
| Record Trigger | Press  in preview | | <ul style="list-style-type: none">• Car impact• Press  during loop recording |
| Record Duration | Unlimited | 3min. sections | 1min. section (30sec. before and after the event) |
| Display Info |  00:06:36 microSD card remaining time |  2014/01/01 Current date & time | |

NOTE:

1. During loop recording, oldest files are overwritten if microSD card is full.
2. During loop recording in Dash Cam Mode, press  to enable/disable mute function. Not available in Action Cam Mode.

OPERATIONS

View DVR Screen on TV:

1. Connect DVR to TV via Micro HDMI cable (not included).
2. Turn on DVR.
3. DVR screen displays on TV simultaneously.

Transferring Files to Computer:

1. Files may be transferred from the MICRO SD card using a card reader (not included).
2. Files may be transferred from the MICRO SD card directly from the camera using a data capable USB cable (not included).

Wireless Remote Operation

Application Search and Download

This unit can be controlled and viewed remotely using your smart phone. Before the wireless feature can be used, type the **Whistler Group** application name: **D19VR**, in the search field from Google Play Store or the Apple App Store, then download the app to your smart phone or mobile device.



If unable to locate the **D19VR** app, go to www.whistlergroup.com and find the Google Play store or the Apple App store icons on the home page. Click on the icon that corresponds to the device. Once the app is downloaded, please turn on the WiFi option in the unit.

OPERATIONS




Google Play Store



Apple App Store

The App allows control over the D19VR in two ways:

- 1) Local access (directly to a smart phone via WiFi) or
- 2) over the internet via a hot spot or Wireless router system.

NOTE: Before using mobile APP's  function, ensure the unit's WiFi is on and the Cloud setting is turned off. Once WiFi is ready, the unit's name (WH-xxxxxxx) will momentarily be shown on the display.

OPERATIONS

Local Access



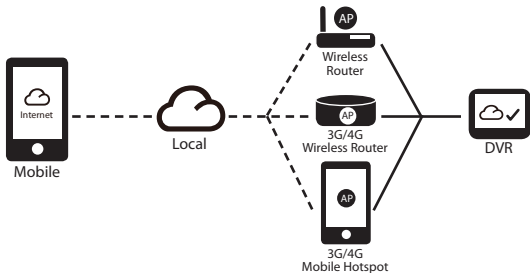
Smart Phone connects to unit directly via WiFi for remote control, live view, album management and setup features.



Via Internet







Smart Phone connects to cloud server to view live videos uploaded from internet remote DVR.



OPERATIONS

Local Access Setup

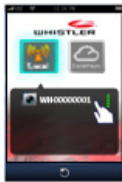
1. For **Android**: Turn on **WiFi**. For **iOS**: Go to **Settings / WiFi**. Turn on **WiFi** and select the unit's name (WH-xxxxxxx).
2. Run .
3. Select  then the unit's ID to enter  View Page. Select  to scan again if unit is not found.

NOTE:

- Local Access cannot connect while the unit is recording.
- For first use, password is not required. User can set a password in Setup Page.



iOS Settings



Local Main Page













Local View Page

The Local Access function has three (3) pages: View, Album and Setup. Review the charts below for options available for each page.

OPERATIONS



View Page

| Items | Descriptions |
|--|--|
|  | Shoots videos and files are saved into DVR microSD card |
|   | Tap DVR button to start and stop recording video. Tap Camera button to take a photo. These files will be saved to your mobile device's camera roll (on iOS) or Photo Gallery (on Android). |
|  | For multiple DVR users: <ul style="list-style-type: none"> • Enable Quad-View for multipelive view on mobile • In Quad-View, select a window for single view |
|  | Upside down image |
|  | Talks to DVR from mobile application |

| Mode | Action Cam Mode | Dash Cam Mode | |
|-----------------|--|---|---|
| Record Type | Normal | Loop | Emergency |
| Record Trigger | Press  in preview | | <ul style="list-style-type: none"> • Car impact • Press  during loop recording |
| Record Duration | Unlimited | 3min. sections | 1min. section (30sec. before and after the event) |
| Display Info |  00:06:36 microSD card remaining time |  2014/01/01 Current date & time | |

OPERATIONS

* Album Page (for DVR)

| Folders | Descriptions |
|---|--|
|  | View or delete video files recorded in Action Cam Mode |
|  | View or delete video files recorded in Dash Cam Mode |

NOTE:

1. In Setup Page, select **Save** to complete settings to DVR.
2. Mobile media player may not support SuperHD video.

The following sections are part of the Wireless Access features.

MicroSD Card Setup

When microSD card is used for the first time or requires to be reformatted in DVR, microSD card's memory capacity can be allocated between Action Cam Mode and Dash Cam Mode.

Go to **Setup / DVR Settings:**

Adjust slide bar and press **Format** button to complete microSD card setup.



DVR Internet Setup

Before using internet cloud service, Email and AP must be properly set up.

OPERATIONS

1. Go to **Setup / Internet Settings:**
Edit Email and AP
2. Select **Save** to complete
Email & AP settings.



NOTE:

AP (Access Point) can be:

- Wireless Router or
- 3G/4G Mobile Wireless Router or
- 3G/4G Mobile Hotspot



Wireless
Router




3G/4G
Wireless Router



3G/4G
Mobile Hotspot

Motion Detector Setup

When car is not running and motion is detected, the unit automatically record videos until no motion is detected.

1. Go to **APP Setup / Car DVR Settings / Turn on Motion Detector / Select Save.**
2. DVR shows  on screen.
3. When vehicle's engine is turned off, the unit will activate **Motion Detector.**



OPERATIONS


G-Sensor Setup

When DVR is recording and any impacts happen, DVR can automatically record emergency events if G-Sensor is set.


1. Go to **APP Setup / Car DVR Settings / Select G-Sensor, H / L Select Save.**

NOTE: **H** = High sensitivity.
L = Low sensitivity.




2. When the unit senses an impact it will automatically start recording. The display will show  when the emergency video is being recorded.





Internet Access Setup

Internet setup must be completed before using the  function. See DVR Internet Setup section for proper procedure.




DVR Connects to Cloud Server

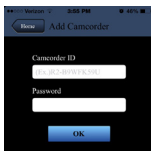
Enable  in settings menu to upload video streaming to cloud server. Connecting status will be shown on screen.

OPERATIONS

| Status | Descriptions |
|---|--|
|  | Connection successful. Preview shows  and DVR ID |
|  | Login failed: <ul style="list-style-type: none">• Invalid AP name or password• Weak WiFi signal or not in WiFi coverage |
|  | Connection failed: <ul style="list-style-type: none">• No internet or cloud server accessibility• Blocked by a firewall |


Remote Internet Live View

1. Connect Smart Phone with the internet (via WiFi, 3G/4G).
2. Run  APP and select .
3. For adding DVR or using another Smart Phone, select  Enter the DVR ID and password.
4. Select the unit's ID/name to view live internet videos.






SPECIAL FUNCTIONS

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.
- Recording starts when powered **ON** and stops when powered **OFF** with files saved.
- Seamless loop recording.
- A short press of the **POWER** button while recording will Mute the audio. A  will be seen on the screen. Repeat to cancel the mute function.

TROUBLESHOOTING

| | |
|--|--|
| DVR cannot turn on | Power is low. Recharge battery |
| DVR is frozen | Press and hold  button for 5 seconds to force shutdown; press again to turn on. |
| DVR cannot record | No microSD card or microSD card is full microSD card cannot be recognized. Format microSD card in  or replace microSD card. |
| DVR cannot connect to AP or cloud server | Invalid AP name or password. Weak WiFi signal or not in WiFi coverage. No internet or cloud server is not accessible. Blocked by some firewall. |
| Mobile cannot find DVR - Local | DVR WiFi is disabled or not in WiFi coverage. Mobile WiFi is disabled. iOS user doesn't choose DVR name in WiFi settings Tap  button on Whistler Driver . |
| Mobile cannot watch live view | Weak WiFi signal. DVR is recording. DVR is occupied by other mobile. |
| Mobile cannot connect to cloud server - Internet | Check mobile 3G/4G or WiFi internet connection. |
| Mobile cannot watch live view Internet | The internet bandwidth is insufficient for DVR upload or mobile download. |
| Forget DVR password | Enter DVR menu settings and select Factory Settings to reset. |

SPECIFICATIONS

| | |
|----------------------------|---|
| FEATURES | HD CAMERA, HD VIDEO RECORDING |
| G-SENSOR | IF A SUDDEN SHOCK IS DETECTED (SUCH AS IN AN ACCIDENT), THE VIDEO SEGMENT RECORDED IS PROTECTED FROM BEING OVERWRITTEN. |
| LCD SCREEN SIZE | 2.0LTPS |
| CAMERA | 160° ULTRA WIDE ANGLE LENS |
| LANGUAGE | SUPPORTED LANGUAGES ARE LISTED IN MENU SETTINGS |
| FILES FORMAT | MP4 |
| RESOLUTION | PHOTO: FHD 2048x1536 MOVIE: 1920x1080 (FHD1080P/30FPS) 2304x1296 (SUPERHD 1296P/30FPS) |
| RECORDING VIDEO FORMAT | H.264 |
| COLOR | STANDARD |
| CONTINUOUS LOOP VIDEO | SEAMLESS LOOP RECORDING |
| AUTOMATICALLY POWER ON/OFF | WHEN USING CAR ADAPTER PLUGGED INTO 12V POWER PORT CONTROLLED BY VEHICLE IGNITION. |
| MOTION DETECTION | SUPPORTED |
| DATE / TIME FORMAT | (Y/M/D/H/M) |

SPECIFICATIONS

| | |
|----------------------------|---|
| PHOTO MODE | 3 MEGAPIXELS |
| PHOTO FORMAT | JPG |
| MEMORY CARD | MICROSD - C4 MIN. / 64GB MAX. |
| MIC | BUILT IN |
| VIDEO OUTPUT | HDMI |
| VIDEO FORMAT | PAL/NTSC |
| CURRENT FREQUENCY | 50HZ/60HZ |
| BATTERY | BUILT-IN 700MAH |
| System Requirements | |
| Smartphone / Tablet | <ul style="list-style-type: none">• Apple iOS 6.0 or above• Android 4.0 or above |

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
from 8:00 a.m. to 5:00 p.m. CT

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.)

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:

1. 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.

WARRANTY INFORMATION

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!**

2. 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.
3. 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.

The minimum out of warranty service fee for your Whistler DVR Camera is \$75.00 (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 \$75.00. Payment may also be made by MasterCard, VISA or American Express. **Personal checks are not accepted.**

WARRANTY INFORMATION

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 F.A.Q.'s at www.whistlergroup.com.

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Customer Service Tel (800) 531-0004

Email: info@whistlergroup.com

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