

D28RS
User Guide

DASH CAM AUTOMOTIVE DIGITAL VIDEO RECORDER



WHISTLER

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WHAT'S INCLUDED



D28RS



MOUNT



**MICRO SD
CARD**



POWER CORD



USB CABLE



**SPARE
ADHESIVE
PAD**



**USER
GUIDE**

WELCOME

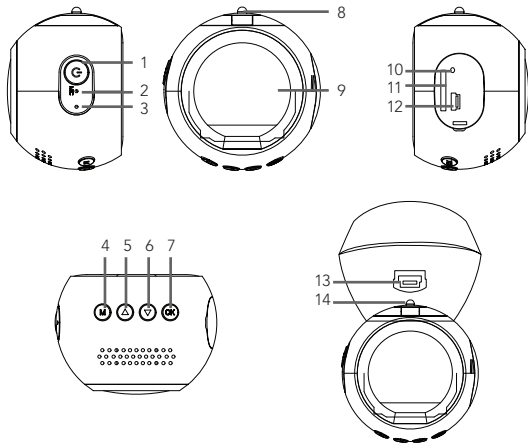
Thank you for choosing a Whistler product. We are dedicated to providing products that represent both quality and value. Please read the user guide carefully before using this product. If you have additional questions, please visit the FAQ page on our website at

www.whistlergroup.com

or call toll free 800-531-0004

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

PRODUCT INTRODUCTION



1. Power
2. Microphone
3. LED indicator
4. Menu
5. Up
6. Down
7. OK
8. Mount connector
9. Monitor
10. Reset
11. MicroSD slot
12. USB port
13. USB for charging
14. Magnetic GPS mount

FEATURE DESCRIPTIONS

1. **Power** – Press and release to turn on, Press and Hold for 2 seconds to turn off.

When not recording, press to switch between **Video Record**, **Capture**, and **Playback** modes.

When recording, a quick press locks the current file.

Press to exit any selected menu.

2. **Microphone** – Audio receiver for video recording.

3. **LED Indicator** – Blue = STBY, Red = charging, Flashing Blue = Recording.

4. **Menu** – When not recording, press to access Mode Settings menu. Press again to access Setup menu.

5. **Up/Down** – In the Main Menu, press to select next/previous menu item or file.

In **STBY** or **Video Recording** mode press Down to turn the microphone on/off.

In **Capture** mode, press to zoom in or out.

In **Playback** mode, press to fast forward and rewind.

FEATURE DESCRIPTIONS

- 7. OK** – In **Video Record** mode, press to start recording; press again to stop.
In **Capture** mode, press to take a picture.
In **Playback** mode, press to select a file, or pause/un-pause a video.
In **STBY** or **REC** mode press and hold to capture picture.
In any menu, press to select a menu item or to confirm selected option.
- 8. Mount connector** – Connects unit to magnetic mount.
- 9. Monitor** – View photo and video.
- 10. Reset** – If device is not responding use a small pin, push in to reset the device.
- 11. MicroSD slot** – Slot for memory card.
- 12. USB port** – Allows PC interface to access microSD card.
- 13. USB for charging** – Provides power to operate device.
- 14. Magnetic GPS mount** – Windshield attachment with GPS.

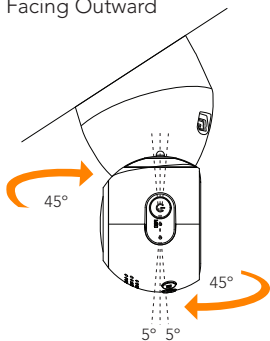
DASH CAM INSTALLATION

1. Insert microSD card into the DVR. Use a high speed SD card (Class10 or above); capacity should be within 8-64 GB.
2. Peel off the 3M film to expose adhesive and secure magnetic mount on the windshield in a location that does not obstruct your view. The USB connector faces the interior of the vehicle.
3. Connect the car charger to the cigarette lighter socket.
4. Connect the USB connector to the magnetic mount USB port.
5. Secure device to magnetic mount and adjust the camera position.
6. Unit will automatically turn on and start recording when power is applied. Unit will turn off when power is removed.

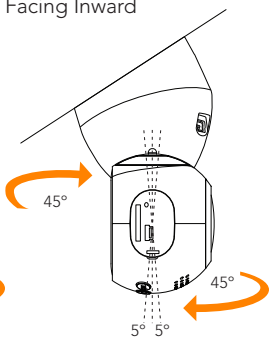
NOTE: When installed correctly, the indicator will glow red; the device will start up and begin recording (indicated by flashing blue light).

DASH CAM INSTALLATION

Facing Outward



Facing Inward



Tilt the unit slightly forward, backwards, clockwise or counterclockwise on its axis up to 5° to center the horizon as viewed on the display. In addition, you can face the camera forward or backward on the mount and rotate up to 45° left or right of center view.

Wi-Fi APP INSTALLATION

NOTE: For iPhone, visit the APP Store, download and install Whistler Dash Cam then proceed to step 2.

1. In the Settings menu of your DVR choose App QR Code, scan the code with your mobile phone QR reader to access the website link. Open link on phone, scroll down to DASH CAMERA DOWNLOADS, and select model D28RS to download Wifi viewing/sharing application. Install after completion of download.
2. Choose WIFI in Settings menu, press On.
3. Connect your mobile phone to the DVR through Wi-Fi connections. If necessary use the password given in Settings under Wifi CARCAM.
4. Run the app, in opened window press Add new device.
5. Choose your DVR device in the list. Now you can capture video or photo via the app. Note, that DVR's menu is unavailable when the app is connected to the DVR.
6. In the Setting menu you can control select DVR functions and format your SD card.

OPERATIONS

Date & Time Setting




1. Once connected with car charger, the device will power ON and start recording. Press OK button to enter STBY mode.
2. Press the MENU button twice to get to Settings menu. Press down button until you reach Clock Settings. Press OK to enter settings.
3. Press Up/down button to set Year, then press OK to move to set Month, Day, Hour, and Minutes. When finished press OK at bottom of screen to go back to Settings menu.
4. To exit Settings menu press the power button.

NOTE: Always turn dash cam off before inserting or removing the micro SD card.

NOTE: You must format the SD card in the unit prior to using the unit.

OPERATIONS

Video, Capture, Playback Quick Instruction

When the unit is placed in STBY, there are 4 modes accessible with a brief press and release of the power button. Movie, Still Capture  Video Playback , Still Capture Playback .

NOTE: REC and Still Capture offer different menu options. press the Menu button when in each mode to see available settings.

Press the up or down button to scroll thru the settings.

Press OK to make a selection

Video

Insert the microSD card, connect the device to an external power supply, unit will start recording automatically (indicated by the flashing blue light). Press the OK button to stop recording (the blue light will become steady). Press OK again to record another video. Each video will be saved automatically.

OPERATIONS

Movie Mode

In this menu you can choose the quality of the video and additional features such as Clip Time, Sound, Exposure, etc.

Photo

In **Video Record** mode, press and hold the OK button to take a photo (it will be saved automatically).

Still Capture Menu


In this mode you can select up to 4X zoom. When in the **Still Capture** menu, choose Still Image size / Still Quality / Exposure / Contrast.

Playback

When in **STBY**, press Power button twice to enter **Playback** mode; press Up and Down buttons to select a file; press OK button to play a file. During Playback, press OK to pause/unpause; press Up and Down keys to fast forward/rewind.

OPERATIONS

Lock File

In **REC** mode, press Power to protect the current recording. "Lock current file" will appear on screen and a  symbol will appear to indicate this file is protected. In **Playback** mode, select a file, press Menu and select **Protect**, then **Lock Current** or **Lock All**. Protected files cannot be deleted or overwritten. Select **Unlock Current/Unlock All** to remove protection.

NOTE: Format will erase ALL data on card.

Battery

Red indicator lights up when the device is plugged into an external power supply; as the battery is charging, the red will gradually dim; the red light will shut off when the battery is full.



Full Battery



Slightly Low Battery



Low Battery



Battery Empty

OPERATIONS

APP Support

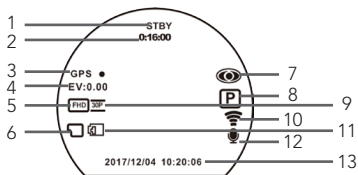
See and share your videos and photos, taken by DVR, in your mobile phone through a special app. The app is connected via Wi-Fi network and should be installed on your mobile phone.

PC Player

You can playback recordings on your PC or MAC using any Video Player program that supports MP4. To take advantage of the GPS data during your video playback, a video player that supports GPS NEMA data is required.

OPERATIONS

Understanding the Display



1. STBY or REC Mode
2. File Time
3. GPS Status
4. Exposure setting -2 thru +2
5. Movie resolution FHD or HD
6. SD card installed
7. Motion Detect ON
8. Parking Mode ON
9. Frames per Second
10. Wifi Status
11. Battery Gauge / Charging Status indicator
12. Microphone Status
13. Date and Time

DEVICE FUNCTIONS

Movie Mode	In this menu section you can choose the quality of the video 1920 x 1080 30fps 1080 x 720 30fps
Movie Clip Time	Also known as Loop recording, allows saving the recording in separate files every few minutes. For example, if set to 1 minute, 10 minutes of footage will be saved as 10 one-minute fragments. If the memory card is full, all unprotected files will be overwritten in the order they were created. Off / 1 Min / 2 Min / 3 Min / 5 Min / 10 Min
Movie Off Time	Select extended time of recording after power is removed or unit is removed from the window mount. 5 Sec / 30 Sec / 1 Min / 3 Min

DEVICE FUNCTIONS

Motion Detect	<p>When an object is moving in front of the camera, REC will start automatically. Recording will stop at end of event (the time selected in event time) or when the object in front of the camera does not move for more than 10 seconds. These recordings are not protected. The Motion Detection Feature needs to be enabled each time the user manually enters STBY or power cycles the device. Select the motion event recording time using "Motion event REC".</p>
Motion event REC	<p>Select extended time of recording after motion is no longer detected. 5 Sec / 10 Sec / 30 Sec / 1 Min.</p>

DEVICE FUNCTIONS

Sound Record	Provides option to record video with or without sound.
Exposure	Set exposure of sensor -2 / -1 / 0 / +1 / +2
WIFI	Configure the unit WIFI On / Off
Wifi CARCAM	Displays SSID and PWD to be used when pairing device to phone
App QR Code	Used to quickly find website Containing App download



DEVICE FUNCTIONS

Beep	Configure unit to give Beep confirmation when any button is pressed
Power Off	Select auto shut off period Never, 1 Min, 5 Min.
Clock Settings	Set Date and Time
Date Format	Select preferred format None YYYY MM DD MM DD YYYY DD MM YYYY
Stamp Format	This function adds date stamp or device logo to the video recorded. Press OK to select type of stamp or to switch the function off. Off / Date / Logo / Date+Logo

DEVICE FUNCTIONS

GPS Stamp	To show longitude, latitude and other information on your current location, press GPS Status to check GPS dates. Select in the GPS Stamp menu to add GPS information to your files. NOTE: GPS will not show location if inside.
GPS Status	Show LAT / LON and # of satellites in view
Language	See list in Specifications
Flicker	Set refresh rate of Display 50 Hz / 60 Hz
LCD Power Save	Automatically shut off the screen to reduce power consumption. Off / 1 Min / 3 Min

DEVICE FUNCTIONS

G-Sensor	The DVR will automatically lock the current video if shock exceeds G-Sensor setting. EXAMPLE: (if vehicle is hit.) Off / Low / Medium / High
Parking Monitor	When enabled and camera is turned OFF, unit will monitor vibration and automatically wake to record a protected file when vibration exceeds the preset level. Off / High / Medium / Low
Time Zone Select	Select GMT time zone
Reset Setup	Factory default settings will be applied, User settings will be lost.
Format SD-Card	Must format SD card in product before first use
FW Version	Displays current version of FW

TROUBLESHOOTING

Can't record or take photo	Confirm that the micro SD card is of proper class (C10 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 may be 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 Movie Mode menu 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.

Reset

Operation can be restored by pushing the reset button.

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

SPECIFICATIONS

Specifications are subject to change without notice.

Processor	MSTAR MSC8328
Display	1.2"
Movie Format	MP4
Resolution	1920 x 1080 30fps 1280 x 720 30fps
Photo Format	JPG
Photo Resolution	2 Mega Pixels
Lens	120° High Definition 6 Glass
Storage	MicroSD - C10 Min / 64GB Max
USB Function	Mass Storage Device (MSDC)
GPS	Built into mount
Power	USB 2.0 ,5VDC 1A

SPECIFICATIONS

Frequency	50 Hz / 60 Hz
Battery	180 mAh 3.7 V Rechargeable battery
Power Consumption	700 mA
Microphone/ Speaker	Built-in
Wi-Fi	Chipset AP6181
Language	English, Spanish, Chinese simplified Chinese traditional French, German, Italian Japanese, Korean Polish, Romanian Russian, Slovak Czech, Ukrainian
Weight	1.9 oz (53.8 g) DVR only
Dimensions	2" x 2" x 1.5" (50.8mm x 50.8mm x 38mm)

PRECAUTIONS

1. Strictly follow the laws and regulatory acts of the region where the device is used.
2. Do not use the device for illegal purposes.
3. Do not adjust the product or APP while driving. Doing so may cause an accident. Stop or park your car in a safe place before installing and setting up the product.
4. Unit does not use a Touch Screen to control its functions! Do not touch screen with any objects as damage to screen may occur.
5. Use only the original charger adapter. Using another adapter may negatively affect the device's battery.
6. Do not disassemble the device and do not perform repairs by yourself.
7. Do not leave unit in direct sunlight for extended period of time, especially in a vehicle.
8. Do not use the device in humid or hot environment.
9. Keep the lens clean.

MENU OPTIONS

Movie Mode: 1920x1080 30fps, 1280x720 30fps
Movie Clip Time: Off, 1 Min, 2 Min, 3 Min, 5 Min, 10 Min
Movie Off Time: 5 Sec, 30 Sec, 1 Min, 3 Min
Motion Detection: Off, On
Motion event REC: 5 Sec, 10 Sec, 30 Sec, 1 Min
Sound Record: On, Off
Exposure: -2, -1, 0, +1, +2

System Settings

WiFi: On, Off
Wifi CARCAM: SSID: Whistler D28RS-e-XX
PWD:1234567890
App QR Code: www.whistlergroup.com/pages/downloads
Beep: On, Off
Power Off: Never, 1 Min, 5 Min
Clock Settings: 2017Y 11M 01D
Date Format: None, YYYY MM DD, MM DD YYYY,
DD MM YYYY
Stamp Format: Date*Logo, Data, Logo, OFF
GPS Stamp: On, Off
GPS Status: LAT:
 LON: USE:
Language: See Specifications
Flicker: 50 Hz, 60 Hz
LCD Power Save: Off, 1 Min, 3 Min

MENU OPTIONS

G-Sensor: Off, Low, Medium, High

Parking Monitor: Off, High, Medium, Low

Time Zone Select: GMT-11:00 thru GMT+13:00 (GMT-08:00)

Reset Setup: YES, NO

Format SD-Card: YES, NO

FW Version: Version:

Branch:

Still Capture Settings

Still Image Size: 2M, 1.2M, VGA

Still Quality: Super Fine, Fine

Exposure: -2, -1, 0, +1, +2

Contrast: -100 thru 0 thru 100 (steps of 10)

Playback Options

Volume: 0-10

Delete: Delete One, Delete All

Protect: Protect One, Unprotect One, Protect All,

Unprotect All

Video Type: Normal, Parking, Emergency

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.)

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.

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

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.

WARRANTY INFORMATION

The minimum out-of-warranty service fee for your Whistler DVR Camera is \$55.00 (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 \$55.00. 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.

CORPORATE HEADQUARTERS

1716 SW Commerce Dr. Ste. 8

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TEL (479) 273-6012

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CUSTOMER RETURN CENTER

1412 South 1st St.

Rogers, AR 72756

Email: support@whistlergroup.com