



DASH CAMERA

RDC10 / RDC20 / RDC30 /
RDC40 / RDC50



INSTRUCTIONS

Retain these instructions for future reference



www.ringautomotive.co.uk

WARNINGS

1. The Dash Cam must not be fitted in a position which obscures the driver's view of the road ahead.
2. Depending on the country of use, recordings made with this device may be subject to Data Protection Laws. Ensure these are complied with.
3. If the dash cam is to be used in a commercial environment e.g. taxi or truck, then CCTV Regulations may apply.
4. Playback of video which is visible to the driver whilst the vehicle is in motion is prohibited in some countries.
5. Only use the supplied power adaptor, otherwise damage may occur to the dash cam.
6. Take care when cleaning the dash cam lens and only use a suitable lens cleaner and a soft cloth.
7. Do NOT expose this product to rain, moisture or water under any circumstances; doing so may result in the risk of electric shock or fire.
8. Do NOT perform servicing other than that contained in the instruction manual, unless you are qualified to do so.
9. When installing in a vehicle, always place the device securely against the windscreen and where possible conceal the power cable under the vehicles interior trim. Make sure that the power cable doesn't interfere with the driver's controls such as the steering wheel, pedals or gear lever.
10. Do NOT mount the dash cam in front of an air bag deployment area or in a position to obscure any interior mirrors.
11. Do NOT operate whilst driving and only adjust settings or review recordings whilst stationary.

If in any doubt or for more help and guidance on the installation and operation of Your RDC please do not hesitate to contact our technical helpline

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1. CONTENTS

RDC10 / RDC20 / RDC30



RDC40



RDC50

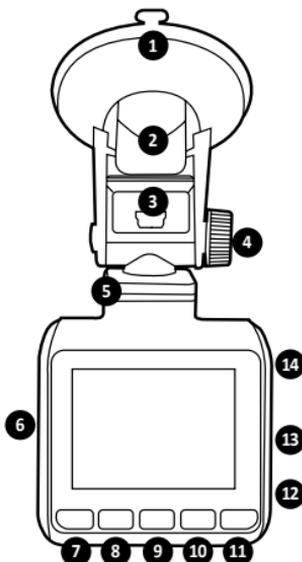


2. RANGE FEATURES

	RDC10	RDC20	RDC30	RDC40	RDCR
Resolution	720p	1080p	1080p	1440p	720p
Frames Per Second	30	30	30	30.30	30
Viewing Angle	120	140	150	180	140
Still Camera Resolution	3MP	3MP	8MP	12MP	3MP
Max Memory Card Size	32GB	32GB	32GB	32GB	N/A
Screen Size	2"	2.7"	3"	N/A	N/A
Backup Battery	Lithium	Lithium	Lithium	Lithium	N/A
Auto Stop / Start	YES	YES	YES	YES	YES
Shock Sensor File Protection	YES	YES	YES	YES	YES
Audio Recording	YES	YES	YES	YES	N/A
Mount	Magnetic mount with suction cup	Magnetic mount with suction cup	Magnetic mount with suction cup	Direct to window Adhesive	Direct to window Adhesive
Loop Recording	YES	YES	YES	YES	YES
Wi-Fi	YES	YES	YES	YES	YES
Parking: Mode	NO	YES	YES	YES	YES
Compatible with Rear Camera	NO	NO	YES	YES	N/A
Wide Dynamic Range	NO	NO	YES	YES	N/A
GPS	NO	NO	YES	YES	N/A

3. CONTROLS

RDC10



1. SUCTION CUP

Ensure glass is clean and dirt free before mounting (when removing pull rubber tab).

2. MOUNT CLAMP

Ensure suction cup is pressed firm against glass before clamping down (pull to release when removing dash cam).

3. MINI USB SOCKET

Connect the supplied 12V power cable here.

4. MOUNT ADJUSTMENT

Use to adjust camera angle accordingly.

5. MAGNETIC MOUNT DOCK

Attach supplied magnetic mount here.

6. MEMORY CARD SLOT

Insert MicroSD Card here.

7. MENU BUTTON / SNAPSHOT BUTTON

To access settings, make sure the Dashcam isn't recording by pressing "REC" button, press Menu button to access settings.

To Take instant snapshot, make sure the

Dashcam is recording by pressing "REC" button, press Menu button to take snapshots.

8. DOWN BUTTON

Use to navigate menu.

9. REC BUTTON (ALSO WORKS AS OK BUTTON)

Press once to start/stop recording / press once to use as OK when in menus.

10. UP BUTTON

Use to navigate menu.

11. LOCK FILE BUTTON

Press once to lock current file.

12. MIC

Records audio during video recording.

13. RESET (recommend suitable size paper clip)

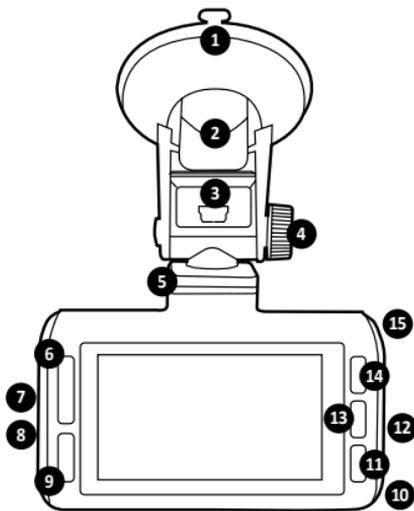
Use small pointy object to insert and press once to reset the dash cam.

14. POWER BUTTON

Press once to switch dash cam ON / Hold down to power OFF.

3. CONTROLS

RDC20 & RDC30



1. SUCTION CUP

Ensure glass is clean and dirt free before mounting (when removing pull rubber tab).

2. MOUNT CLAMP

Ensure suction cup is pressed firm against glass before clamping down (pull to release when removing dash cam).

3. MINI USB SOCKET

Connect the supplied 12V power cable here.

4. MOUNT ADJUSTMENT

Use to adjust camera angle accordingly.

5. MAGNETIC MOUNT DOCK

Attach supplied magnetic mount here.

6. UP / DOWN BUTTON

Use to navigate menu.

7. MEMORY CARD SLOT

Insert MicroSD Card here.

8. REAR CAMERA (RDCR) CONNECTION (RDC30 ONLY)

Plug rear camera (RDCR) cable into here.

9. LOCK FILE BUTTON

Press once to lock current recording file.

10. MIC

Records audio during video recording.

11. MENU BUTTON / SNAPSHOT BUTTON

To access settings, make sure the Dashcam isn't recording by pressing "REC" button, press Menu button to access settings.

To Take instant snapshot, make sure the Dashcam is recording by pressing "REC" button, press Menu button to take snapshots.

12. RESET (recommend suitable size paper clip)

Use small pointy object to insert and press once to hard reset the dash cam.

13. REC BUTTON (also OK button)

Press once to start/stop recording / press once to use as OK when in menus.

14. MODE BUTTON

Press once to switch modes.

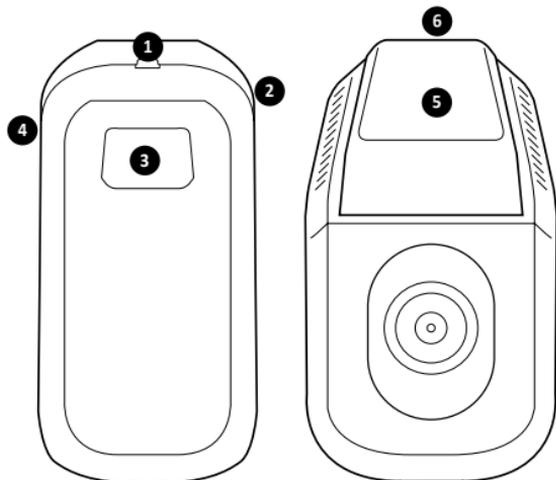
15. POWER BUTTON

Press once to switch dash cam ON / Hold down to power OFF.

3. CONTROLS

RDC40

WARNING:
BEFORE FIRST
USE, CONNECT
TO APP (SEE
PAGE 11)



**1. REAR CAMERA (RDCR) CONNECTION
(RDCC40 ONLY)**

Plug rear camera (RDCR) cable into here.

2. RESET (recommend suitable size paper clip)
Use small pointy object to insert and press
once to hard reset the dash cam.

3. SNAPSHOT BUTTON / POWER BUTTON

Press once to take snapshot during recording
/ Hold to switch ON/OFF.

4. MEMORY CARD SLOT

Insert MicroSD Card here.

5. DIRECT TO WINDOW ADHESIVE MOUNT

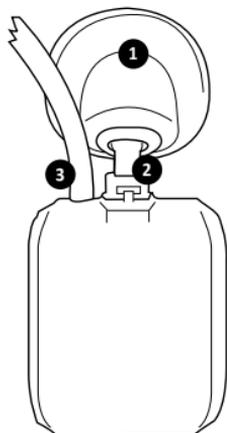
Ensure glass is clean and dirt free before
mounting.

6. MINI USB SOCKET

Connect the supplied 12V power cable here.

RDC50

(Designed
for use with
RDC30 &
RDC40)



**1. DIRECT TO WINDOW
ADHESIVE MOUNT**

Ensure glass is clean and dirt
free before mounting.

2. ADJUSTABLE MOUNT

Adjust accordingly to fit the
slope of rear window.

3. POWER AND VIDEO CABLE

This allows connection to
front mounted dash cam.

4. GETTING STARTED

RDC10 – RDC20 – RDC30 – RDC40

To capture video and photos, you need a microSD card (sold separately).

MicroSD CARD

We recommend the use of the following MicroSD card for optimum performance:

Minimum Class 10 U1 16GB/32GB 30mb/s (Class 10 U3 for Optimum Performance)

NOTICE: Use care when handling memory cards. Avoid liquids, dust and debris. As a precaution, power off the camera before inserting or removing the card.

SD CARD ERROR – SEE TROUBLESHOOTING GUIDE

If the above error is shown on your dash cam screen please see troubleshooting guide (Page 19).

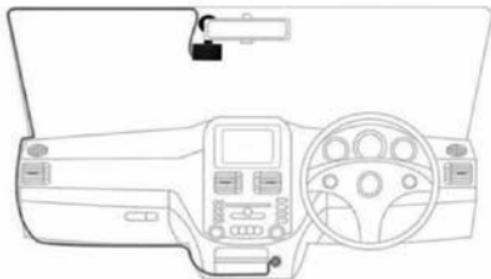
5. FORMATTING YOUR MICROSD CARD

1. Insert a memory card into the slot on side of the dash cam.
(Ensure a 'click' is heard to confirm the card is fully inserted).
2. **For optimum performance we recommend formatting your card on first use.**
3. Formatting erases all of your content, so be sure to download your photos and videos first.
4. To format your card select **Menu (setup) > Format SD card.**
5. To keep your microSD card in good condition and to ensure your dash cam continues to function properly, reformat it on a regular basis.

6. INSTALLING POWER CABLE

1. Route the cable through the vehicle ensuring it is hidden behind the vehicle trim and rubber door seals where possible.
2. Connect the mini USB connection to the Dash Cam Mount.
3. The dash camera will automatically power on once power is available.
For most vehicles this will happen when the ignition is switched on.
4. Connect power adapter plug to vehicle 12/24 volt accessory socket.

Fig1.



7. INSTALLING DASH CAM MOUNT

RDC10 / RDC20 / RDC30

1. Ensure removal of plastic sticker from suction mount.
2. Clean area for mounting to ensure it is dust/grease free.
3. Push suction part against window and push down the locking tab.
4. Plug power cable into mini USB connection on mount.
5. To remove mount release locking tab and pull small silicone tab to release pressure before pulling away from window.

RDC40

1. Check placement on windscreen before fitting. Ensure camera isn't causing any obstructions to the driver's view of the road and also ensure the power cable can be easily inserted into mount. Please ensure you have Dash Cam in correct position before applying adhesive mount to windscreen.
2. Clean area for mounting to ensure it is dust/grease free.
3. Ensure removal of plastic film from adhesive pad.
4. Push adhesive pad onto window in required mounting location.
5. Plug power cable into mini USB connection on mount.

RDC50

1. Check placement on windscreen before fitting. Ensure camera isn't causing any obstructions to the driver's view of the road and also ensure the power cable can be easily inserted into mount. Please ensure you have Dash Cam in correct position before applying adhesive mount to windscreen.
2. Check positioning before fully fitting. Mount can be turned round depending on the angle of your windscreen to achieve best view.
3. Ensure removal of plastic film from adhesive pad.
4. Clean area for mounting to ensure it is dust/grease free.
5. Push adhesive pad onto window in required mounting location.

8. INSTALLING REAR CAMERA – RDC50

(RDC30 & RDC40 only)

1. Route the cable through the vehicle. It should be hidden behind the vehicle trim and rubber door seals where possible.
2. Take the Rear Dash Cam cable and connect it to the Front Dash Cam.
3. Check placement on windscreen before fitting. Ensure camera isn't causing any obstructions to the driver's view of the road and also ensure the power cable can be easily inserted into mount. Please ensure you have Dash Cam in correct position before applying adhesive mount to windscreen.
4. Check positioning before fully fitting. Mount can be turned round depending on the angle of your windscreen to achieve best view.
5. Ensure the area for mounting is clean and grease/dust free.
6. Remove backing film from camera mount and place in required area.
7. The rear camera will automatically power on once power is available to the main dash cam. For most vehicles this will happen when the ignition is switched on.

9. INSTALLING APP

Download RING APP to your mobile device from the Apple® App Store® or the Google Play Store Play™.

1. RING DC / RING DASH CAM / RING DASHCAM /
2. Follow the APP's on-screen instructions to connect your camera.

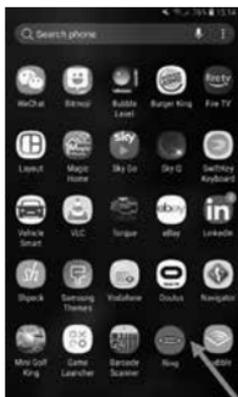
10. USING APP

- Once installed please follow these steps for APP setup between dash cam and mobile device.
- The Ring APP lets you control your camera remotely using a smart phone or tablet. Features include live preview, playback and downloading of content.

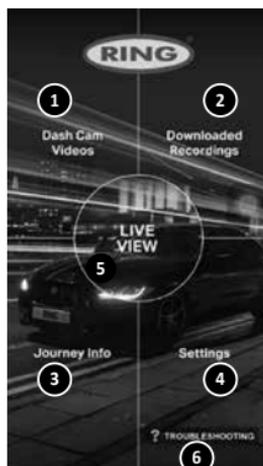
11. CONNECTING TO THE APP FOR THE FIRST TIME

Dash cam default password 66668888 (For RDC10/20/30/40)

1. Ensure you are within 2 metre range of your dash cam.
2. Switch mobile device Wi-Fi ON.
3. On dash cam select Menu (setup) > Wi-Fi setup > On.
4. Select dash cam SSID from your mobile Wi-Fi available connections list.
5. Once connection is made open APP.



Select the RING DC APP on your mobile device



1 DASH CAM VIDEOS

Select this option to view the recordings that are currently on your dash cam.



Select to view Video/
Picture/Locked files
(G-Sensor triggered files).

Press to download your
selected file from
your dash cam.

Once downloaded your
selected video you can then
playback through the APP.

This allows you to do the
following options –

- Pause and take a snapshot
- Share the file
- Delete



Press pause and then
select the snapshot
button to take a picture.

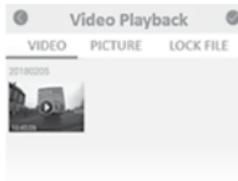
Select to delete current file.



Selecting the share button will allow you to open up all the APP's installed on your mobile device to allow sharing. Select the one you are wanting to use (please be aware file size limitations vary from APP to APP so we advise checking with the person/s you are sharing with to ensure they can receive the size of file you are sharing).

2 DOWNLOADED RECORDINGS

All files downloaded from the dash cam will be shown under DOWNLOADED RECORDINGS. In this menu you can view, share and delete your saved files.



3 Set-up the Dashcam

To Take instant snapshot, make sure the Dashcam is recording by pressing "REC" button, press Menu button to take snapshots.

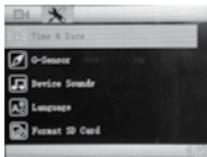
To access settings, make sure the Dashcam isn't recording by pressing "REC" button, press Menu button to access settings.



4 TO ACCESS SETTINGS



On Dashcam select Menu (Set up) screen 1/1.



Press menu screen 1/2.



Select Wifi.



Confirm.

5 CONNECT DASHCAM TO YOUR SMARTPHONE

Android Users

Settings > Wireless & Network > Wi-Fi on > Select SSID Dashcam > Add password/Pin > Connect.

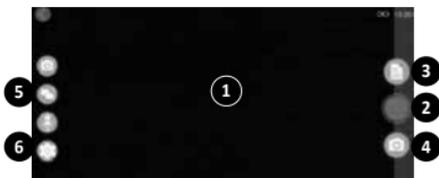
iOS users :

Settings > Wi-Fi > Select SSID Dashcam > Enter password/Pin > Connect.

12. RING DC

Selecting RING DC from the main menu allows you to go into live view mode.
From the Live View mode you can:

- 1 View the live image as being seen by the dash cam.
- 2 Start/stop recording (Press record button to start or stop recording live with dash cam).
- 3 View recordings (Select to view recordings list).
- 4 Take snapshots (Press when video is paused).
- 5 Switch between Front & Rear camera (RDC30/RDC40/RDCR only).
- 6 Change settings (Press to enter main dash cam settings).



13. TROUBLESHOOTING

During use of your dash cam if you have any issues check this screen for FAQ's on how to resolve any problems (see user manual Page 19).



14. MODES

Your RDC contains three camera modes: Video, Photo, and Playback.

VIDEO

Video mode allows constant recording of selectable sizes OFF, 3 minutes and 5 minutes.

PHOTO

Photo mode allows snapshot image.

PLAYBACK

Playback mode allows playback of footage captured by the dash cam.

15. VIDEO

RESOLUTION

The default setting will be set at the highest your RDC supports. To change this on the dash cam select **Menu > Resolution**.

VIDEO LENGTH

Your RDC will allow recordings of OFF, 3 minutes or 5 minutes file sizes. This allows your camera to record in smaller video files allowing you quicker access to the recording you need. The default setting for video length is 3 minutes. To change this on the dash cam select **Menu > Video Length**.

TIME & DATE STAMP

This will add the current time and date onto your recording. To change this on the dash cam select **Menu > Time & Date Stamp > On/Off**.

AUDIO RECORDING

This will allow your dash cam to record audio. To change this on the dash cam select **Menu > Audio Recording > On/Off**.

WDR (RDC30 & RDC40 only)

Wide Dynamic Range offers a better low light recording. Image quality is improved, and this feature cannot be switched off by user.

16. PHOTO

RESOLUTION

The default setting will be set to the medium resolution. To change this on the dash cam select **Menu > Photo Resolution > Low/Medium/high**.

17. PLAYBACK

VIDEO AND PHOTO

You can play back your content on the Dash Cam's display (RDC10 / RDC20/ RDC30).

You can also play back content by inserting the microSD (with SD card adapter) card directly into a device, such as a computer or compatible TV. With this method, playback resolution depends on the resolution of the device and its ability to play back that resolution.

VIEWING VIDEOS AND PHOTOS ON YOUR DASH CAM (RDC10 / RDC20 / RDC30)

1. Press the REC button to stop recording.
2. Press the MODE button twice to select playback mode.
3. Select file you wish to view using the arrow buttons.
4. Press REC/OK button to start/stop playing selected file.
5. Use UP and DOWN arrows to select rewind / Fast forward.

VIEWING VIDEOS AND PHOTOS FROM YOUR DASH CAM USING APP (RDC40)

1. Connect your mobile device to dash cam.
2. Select DASH CAM FILES.
3. Click on file you wish to view.
4. Press PLAY icon to start playback.



COMPUTER PLAYBACK

To download files to a computer using a card reader (sold separately). Connect the card reader to the computer, then insert the microSD card. You can then transfer files to your computer or delete selected files from your card.



18. SETTINGS

The options and settings available on the dash cam are described below.

1. Select the chosen setting option using the up and down buttons and press the OK button to confirm. RDC40 refer to APP settings in user manual (see pages 12-19).

DATE/TIME

1. Set the date & time on the dash cam by using the up and down buttons to change the options.
2. Press MODE to switch between Year, Month and Day (**MODE long press RDC10 only**).
3. Press the REC/OK button to save the changes.
4. To change this, select **Menu (Setup) > Date/Time**.

G-SENSOR

1. Sensor sensitivity can be adjusted. This is what detects forces which will automatically protect the current recording in a collision.
2. The default setting for this will be set to **medium** sensitivity.
3. To change this, select **Menu (Setup) > G-Sensor > Low/Mid/High**.

DEVICE SOUNDS

1. The default setting for this will be set to **ON**.
2. To change this, select **Menu (Setup) > Device Sounds > Off/On**.

LANGUAGE

1. The default setting for this will be set to **English**.
2. To change this, select **Menu (Setup) > Language**.

FORMAT SD CARD

1. For optimum performance we recommend formatting your card on first time use.
2. **Formatting erases all of your content, so be sure to download your photos and videos first.**
3. To format your card, select **Menu (Setup) > Format SD card > No/Yes**.
4. To keep your microSD card in good condition, reformat it on a regular basis (every 2-4weeks).

19. SETTINGS

DEFAULT SETTINGS

To return dash cam to original factory default settings select **Menu (Setup) > Default Settings**.

FIRMWARE VERSION

To view the current firmware version on your dash cam, select **Menu (Setup)> Firmware**.

Wi-Fi (see Page 11)

Allows connection of dash cam to mobile device via **RING DC APP**.

Please refer to APP using section for setup procedure.

PARKING MODE (RDC20 / RDC30 / RDC40 only)

Allows you to set a sensitivity to allow the camera to be triggered when parked.

Please login to APP to change setting.

GPS (RDC30 / RDC40 only)

This setting allows additional feature benefits so isn't able to be switched off by the user.

GPS LOCATION STAMP (RDC30 /RDC40 only)

This setting allows additional feature benefits so isn't able to be switched off by the user.

SCREEN SAVER MODE (RDC10/RDC20/RDC30 only)

This setting allows you to switch the screen off when not required.

Short press of power button

MODE CHANGE (RDC10)

This allows changes between the different dash cam modes.

Long press of the MENU button

MODE CHANGE (RDC20/RDC30 only)

This allows changes between the different dash cam modes.

Press MODE button to toggle through different dash cam modes.

20. TROUBLESHOOTING

PROBLEM	REASON	SOLUTION
SD CARD ERROR - SEE TROUBLESHOOTING GUIDE	SD card too slow	Check SD card matches specifications shown in the user manual
	SD card faulty	Replace SD card
	Dash cam faulty	Please contact technical helpline 0113 213 7452
Dash cam not recording	Card is Full	Change dash cam loop settings Menu > Video Length
		Format SD Card Menu (Setup) > Format MicroSD Card
	Unsuitable MicroSD card	Check card type is correct and suitable for dash cam
	G-Sensor setting too high which has filled the card up too quickly	Adjust dash cam settings Menu > G-Sensor
Dash Cam not powering up	Power supply not connected to 12v Socket	Ensure power supply is plugged in and ignition is on
	12V Socket dirty so not making clean contact	Check and clean 12v Socket
	Faulty power supply / Dash cam	Please contact technical helpline
Dash cam falling down from windscreen	Glass is greasy or dirty	Clean glass and ensure it is dry before attempting to refit
Video Image is blurred	Protective sticker on lens	Remove film before use

If in any doubt or for more help and guidance on the installation and operation of your Ring Dash Cam please do not hesitate to contact our technical helpline on 0113 213 7452.

Information on Waste Disposal for Consumers of Electrical & Electronic Equipment

This mark on a product and/or accompanying documents indicates that when it is to be disposed of, it must be treated as Waste Electrical & Electronic Equipment (WEEE).

Any WEEE marked waste products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used.

For proper treatment, recovery and recycling; please take all WEEE marked waste to your Local Authority Civic waste site, where it will be accepted free of charge.

If all consumers dispose of Waste Electrical & Electronic Equipment correctly, they will be helping to save valuable resources and preventing any potential negative effects upon human health and the environment, of any hazardous materials that the waste may contain.

Please Recycle Your Spent Batteries

Batteries should not be disposed of in unsorted municipal waste, but separately collected to facilitate the correct treatment and recycling of the substances they contain. The recycling of batteries ensures the recovery of these valuable materials and prevents any potentially harmful effects upon both the environment and human health.

Please contribute to battery recycling by segregating all spent batteries and actively participating in their Collection and recycling. Various battery collection schemes will be in operation in different areas of the country. However, battery collection bins will be available at retail stores that sell batteries as well as at schools, libraries and other public buildings.





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