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Rover Revolution™
WIRELESS SPY VEHICLE WITH APP CONTROL

TABLE OF CONTENTS

Warnings and Cautions.	1
Specifications	5
Location of Parts and Controls.	6
Control Layout.	8
Compatibility.	10
Set-Up (Downloading App/Antenna/Charging)	10
Power and Connect	
Driving Using Your Device's Accelerometer.	13
Driving Camera and Rotating Spy Camera	13
Driving Controls	
Photo	16
Video	16
Microphone Volume	16
Stealth Night Vision	17
Zoom	17
Share	17
Recording a Path/Playing a Path	18
Two-way Radio	18
Lights	18
Sharing	19
Trim	21
Reset	21
Care and Maintenance	21
Replacing Rechargeable Battery	22
Frequently Asked Questions	23
Warranty	28

IMPORTANT SAFETY INSTRUCTIONS

All of the safety and operating instructions should be read, adhered to and followed before the unit is operated.

WARNING

- 1. Close supervision is necessary when this unit is used by or near children or mentally disabled individuals.
- This product can be used to share content with Social Media Websites. Adult supervision is required.
- 3. Use this unit only for its intended use as described in this manual.
- 4. The unit should be situated away from direct sunlight or heat sources such as radiators, electric heaters, heat registers, stoves or other units that produce heat.
- 5. To comply with FCC's and Industry Canada's RF radiation exposure limits for general population/uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

CAUTION

- For ages 14 and up.
- Keep the Rover Revolution away from face, eyes and hair at all times. Keep fingers away from wheels and trac-belts while they are in motion.
- Make sure there are no insurmountable obstacles or breakable objects in the Rover Revolution's path.
- Do not drop in, spray with or submerge unit in water.

CHOKING

WARNING: This product may contain small parts which may pose a choking hazard to children.

LI-ION BATTERY WARNINGS

This device contains a Lithium-ion battery. The battery must be recycled or disposed of properly. Contact your local waste management office for information on battery recycling or disposal.

FCC INFORMATION FCC ID: ZRB851135

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received including interference that may cause undesired operation.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RSS INFORMATION

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'IndustrieCanada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

SPECIFICATIONS

Weight	2.8 lbs.
Dimensions with Antenna	8.3" w x 10" l x 9" h
Battery	7.4V/2000MAh LiOn
Adapter	In: AC100-240V, Out: DC10V/2A
Charging time	Approximately 2 hours
Running time	Approximately 1.5 hours
Range	Approximately: 200 feet (unobstructed) 100 feet (obstructed)
Driving Camera	320x240px @ 25 frames per second
Rotating Spy Camera	640x480px @ 25 frames per second
Wi-Fi supports	802.11b/g/n

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 $\ensuremath{\mathsf{App}}$ Store is a service mark of $\ensuremath{\mathsf{Apple}}$ Inc.

Android is a trademark of Google, Inc.

Google Play is a trademark of Google, Inc.

Wi-Fi and Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.

LOCATION OF PARTS AND CONTROLS (ROVER REVOLUTION)

Wheel (4)

10. Headlights (2)

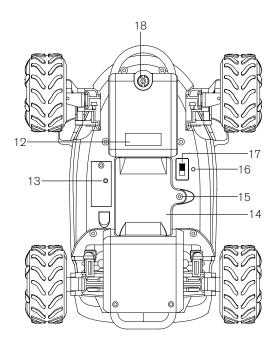
12. Tail Lights (2)

11. Lighted Coils (2)

- Antenna
- Night Vision Lens
- Rotating Spy Camera
- White Power LED
- Microphone
- Green Connection LED
- Night Vision Lens
- Driving Camera

LOCATION OF PARTS AND CONTROLS (ROVER REVOLUTION)

- 12. SSID Number
- 13. Reset Button
- 14. Battery Compartment
- 15. Battery Compartment Access Screw
- 16. Charging LED
- 17. Power Switch
- 18. Trim Adjustment

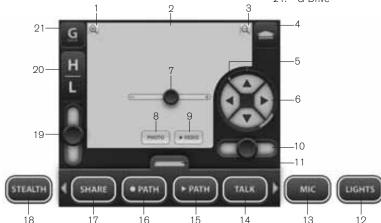


PHONE CONTROL LAYOUT (YOUR DEVICE'S TOUCH-SCREEN)

- 1. Zoom In
- 2. Video Screen
- 3. Zoom Out
- 4. Rotating Spy Camera Home
- 5. Rotating Spy Camera Position Indicator
- 6. Rotating Spy Camera Controller

- 7. Microphone Volume Control
- B. Take Photo
- . Record Video
- O. Driving Controls
- 11. Button Tray (Tap to activate/deactivate)
- Headlights, Tail Lights
 Lighted Coils On/Off

- 13. Microphone Volume
- 14. Two-way Audio
 - . Play Path
- 6. Record Path
- 7. Sharing Information
- 18. Night Vision
- 19. Driving Controls
- 20. Speed Control
- 21. G-Drive



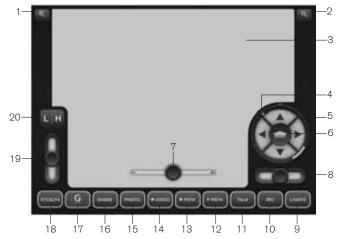
Note: The control layout may not appear exactly as shown, depending upon your device.

TABLET CONTROL LAYOUT (YOUR DEVICE'S TOUCH-SCREEN)

- 1. Zoom In
- 2. Zoom Out
- 3. Video Screen
- 4. Rotating Spy Camera Position Indicator
- 5. Rotating Spy Camera Controller
- 6. Rotating Spy Camera Home

- 7. Microphone Volume Control
- 8. Driving Controls
- Headlights, Tail Lights
 Lighted Coils On/Off
- 10. Microphone Volume
- 11. Two-way Audio
- 12. Play Path

- 13. Record Path
- 14. Record Video15. Take Photo
- 16. Sharing Information
- 17. G-Drive
- 18. Night Vision
- 19. Driving Controls
- 20. Speed Control



Note: The control layout may not appear exactly as shown, depending upon your device.

COMPATIBILITY

iPod touch® (3rd. iPad iPhone 4

4th, 5th generation) iPhone 3GS

iPhone 5S iPad® (4th generation) Apple® iOS: 4.3 and later

iPhone 5C iPad mini

Android 2.2 and later. iPhone 5 CPU: 800MHz iPad® (3rd generation)

iPhone® 4S RAM: 512M iPad 2

SD card: 256 MB or higher

Visit Brookstone.com for compatibility updates.

SET-UP

DOWNLOADING FREE APP

Go to the iTunes® App StoreSM (for Apple devices) or Google Play™ (for Android devices) to download the Rover Revolution App, "Rover Rev".



Rover Rev

ANTENNA

Insert the ANTENNA in the Antenna Port and twist the ANTENNA in a clockwise manner until secure.

Antenna Type: Dipole Antenna Antenna Gain(s): 2.0dBi gain

Antenna Impedance: 50 Ohm Nominal



CHARGING

- 1. Lift the CHARGING PORT cover and insert the DC JACK into the CHARGING PORT. Plug the DC ADAPTER into a wall outlet.
- 2. The CHARGING LED INDICATOR is RED while Rover Revolution is charging. When Rover Revolution is fully charged, the CHARGING INDICATOR is GREEN. For first time use, charge for at least 2 hours.
- 3. When Rover Revolution's battery is low, the POWER LED INDICATOR will blink WHITE.

POWER AND CONNECT

- 1. Slide the Power switch on the bottom of the Rover Revolution to on. The WHITE POWER LED on the top of the Rover Revolution will illuminate. Wait approximately 30 seconds and the GREEN CONNECTION LED on the top of the Rover Revolution will start to blink slowly.
- 2. On your device, go to Settings and turn Wi-Fi® on. The SSID address of your Rover Revolution (12 digits starting with RoverRev) will appear as an available connection.

Note: Each Rover Revolution has a unique SSID address (printed on the underside of the unit). If there are multiple Rover Revolution's being used, the individual SSID addresses will appear as Wi-Fi connections on your device. Select your Rover Revolution's SSID address.

3. Select the Rover Revolution to confirm the connection. (No user name or password is required.) Ensure the Wi-Fi connection logo appears at the top of your device's screen. There may or may not be a check mark to the left of the

SSID address to confirm the connection.

- 4. Exit out of Settings and open the Rover Revolution App.
- 5. The GREEN CONNECTION LED will now revert from blinking to solid.
- 6. When your device's screen shows the view from the Rover Revolution's livestream video camera—you are ready to start exploring.

LED STATE CHART

LED	Location	State	Represents
White	Top of unit	Solid	Power on
White	Top of unit	Blinking	Low battery
Green	Top of unit	Blinking	Searching for and acquiring Wi-Fi connection
Green	Top of unit	Solid	Rover Revolution app is open and Wi-Fi is connected
Red	Bottom of unit	Solid	Battery is charging
Green	Bottom of unit	Solid	Battery is fully charged

DRIVING USING YOUR DEVICE'S ACCELEROMETER

To turn on this function, hold your device flat or tilted upward slightly (see image at right), and tap the G DRIVE button on your device's screen. The manual drive graphics will disappear from your device's screen.



To drive the Rover Revolution, tilt your device in the direction you would like to drive. The Stop position is the position at which the device was held when the G Drive was activated.

To turn this function off, tap the G DRIVE button and the manual drive graphics will reappear on your device's screen.

DRIVING CAMERA

Tap anywhere on the screen to switch between the driving camera and the Rotating Spy camera.

ROTATING SPY CAMERA

Tap anywhere on the screen to switch between the driving camera and the Rotating Spy camera.

Use the Rotating Spy camera controls to move the Rotating Spy camera up, down, left, and right.

Double-tap the HOME BUTTON to return the Rotating Spy camera to the front facing position.

DRIVING CONTROLS STRAIGHT FORWARD:

STRAIGHT BACKWARD:

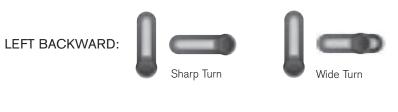








DRIVING CONTROLS (CONTINUED)







PHOTO

Tap the PHOTO button to take a snapshot. The photo will be saved in the Rover Revolution Share Library and the Photos folder on your device.

Note: Some Android™ devices require an SD card to save Rover Revolution photos.

VIDEO

Tap the VIDEO button to record a video. Press the VIDEO button to end recording. The video will be saved in the Rover Revolution Share Library and in the Photos folder on your device.

Note: Some Android™ devices require an SD card to save Rover Revolution videos.

Important: The Rover Revolution will not record audio while it is in motion.

MICROPHONE VOLUME

Tap the MIC button and slide the MICROPHONE VOLUME SLIDER to control the volume of audio transmitting from the Rover Revolution to your device.

Note: The Rover Revolution will not transmit audio while it is in motion. Audio is only accessible when Rover Revolution is stopped.

STEALTH NIGHT VISION

Tap the STEALTH button to turn the stealth night vision function on. All lights will turn off.

Tap the STEALTH button again to turn the stealth night vision function off.

Note: When stealth night vision is on, the video is in black and white.

ZOOM

To zoom in tap ZOOM IN. To zoom out tap ZOOM OUT.

SHARE

Tap the SHARE button for information on how to share and view your Rover Revolution videos and photos.

RECORDING A PATH/PLAYING A PATH

The Rover Revolution can record up to 60 seconds of a driving route, and then repeat the route.

- To record a path, tap the RECORD PATH button and drive the Rover Revolution on the route you want to record.
- 2. After you complete your route, tap the RECORD PATH button again to save.
- Tap the PLAY PATH button to play the recorded route and the Rover Revolution will automatically drive the route you recorded.
- 4. Double-tap the PLAY PATH button to play the Path in a loop. Tap the PLAY PATH button to stop the Path play.

TWO-WAY RADIO

Tap and hold the TALK button and talk into your device to speak through the Rover Revolution. Release the TALK button to listen.

LIGHTS

Press the LIGHTS button to turn the HEADLIGHTS, TAIL LIGHTS and LIGHTED COILS on and off.

SHARING

To View or Share Rover Revolution Photos through email, Facebook, Twitter or Tumblr:

- 1. Exit Rover Revolution app.
- Go to Settings and select a different Wi-Fi connection (other than Rover Revolution).
- 3. Open the Rover Revolution app and select Share from the pop up window.
- 4. Select Photos.
- 5. Select Photo to share.
- 6. Press Share located in the upper right corner.
- 7. Select Email, Facebook, Twitter, or Tumblr to share photo.

Note: If using an Android device, the FaceBook, Twitter, and Tumblr apps must already be installed on your device to share photos through the Rover Revolution app.

SHARING (CONTINUED)

To View or Share Rover Revolution Videos through email, Facebook, YouTube or Tumblr:

- 1. Exit Rover Revolution app.
- Go to Settings and select a different Wi-Fi connection (other than Rover Revolution).
- 3. Open the Rover Revolution app and select Share from the pop up window.
- 4. Select Videos.
- 5. Select Video to share.
- 6. Press Share located in the upper right corner.
- 7. Select Email, Facebook, YouTube, or Tumblr to share video.

Note: If using an Android device, the FaceBook, Tumblr, and YouTube apps must already be installed on your device to share videos through the Rover Revolution app.

TRIM

To realign the front wheels, insert a coin into the TRIM ADJUSTMENT and turn left or right until the front wheels face straight forward.

RESET

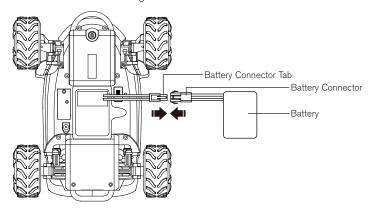
To reset the Rover Revolution, use the end of a paperclip to press the RESET button.

CARE AND MAINTENANCE

- Turn the Rover Revolution off before cleaning.
- Wipe the Rover Revolution with a soft, dry cloth.
- Ensure there is no hair or lint caught between the rear or front wheels and the drive shafts. Clean carefully with your fingers or a pair of tweezers.

REPLACING THE RECHARGEABLE BATTERY

- Contact Brookstone Customer Service (800-846-3000) to order a replacement battery.
- Remove the BATTERY COMPARTMENT COVER by unscrewing the access screw on the cover with a small screwdriver.
- 3. Press down on the BATTERY CONNECTOR TAB to release and pull to disconnect the old battery.
- 4. Insert the REPLACEMENT BATTERY'S CONNECTOR into the BATTERY CONNECTOR TAB until a click is heard.
- Place the battery inside the compartment, replace the BATTERY COMPARTMENT COVER and tighten the screw to secure.



FREQUENTLY ASKED QUESTIONS

It is taking a long time for the green connection LED to blink to begin the syncing process.

It can take up to 30 seconds for the green connection LED to blink.

Why am I experiencing low quality video (freezing, discoloration)?

Rover Revolution may be beyond its maximum operating range, battery may be low or the antenna is not attached.

What is the maximum range of my Rover Revolution?

Rover Revolution will operate up to 200 feet unobstructed and up to 100 feet obstructed.

Maximum range will vary depending on the environment.

What is the battery life of my Rover Revolution?

Approximately 1.5 hours.

Why is my video black and white?

While in Stealth Night Vision mode, Rover Revolution transmits video in black and white.

Can I use multiple Rover Revolutions in the same area?

Yes. Each Rover Revolution has a unique SSID address (printed on the underside of the unit). If there are multiple Rover Revolutions being used, the individual SSID addresses will appear as Wi-Fi connections on your device. Select your

Rover Revolution's SSID address.

I am having difficulty connecting Rover Revolution to the wireless network.

Check the battery level on your Apple or Android device — and recharge if necessary.

Can I use multiple Rover Revolutions with the same device? Yes, but not simultaneously.

Can I use my Rover Revolution outdoors?

Rover Revolution is not weather resistant. We recommend using Rover Revolution on a dry surface if used outdoors.

What happens if I receive a phone call on my device while I am using my Rover Revolution?

If a phone call is received on your device while Rover Revolution is in use, the app will exit. Use airplane mode on your device to avoid interruption.

Why can't I sync my Rover Revolution to my device?

Check the following:

- App has been downloaded from the iTunes® App StoreSM or Google Play to your device.
- Rover Revolution is powered on.
- Green connection LED is blinking (searching for Wi-Fi connection).
- Your device's Wi-Fi is turned on.
- Rover Revolution is selected as your Wi-Fi network on your device.

- Rover Revolution is within operating range.
- Battery is not low.
- Is there interference from other devices if so, move to another environment.
- Your device is compatible with Rover Revolution:

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iPod touch® (3rd, 4th, 5th generation)
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iPhone 5S

iPhone 5C

iPhone 5

iPhone® 4S

iPhone 4

iPhone 3GS

iPad® (4th generation)

iPad mini

iPad® (3rd generation)

iPad 2

iPad

Apple iOS: 4.3 and later

Android 2.2 and later, CPU: 800MHz, RAM: 512M, SD card: 256 MB or higher

Why does the audio on my Rover Revolution have feedback?

Your device may be too close to Rover Revolution or your volume setting may be too high.

Why is my Rover Revolution not transmitting video?

Check the following:

- Rover Revolution is powered on.
- Your device's Wi-Fi is turned on.
- Rover Revolution is selected as your Wi-Fi network on your device.
- Rover Revolution is within operating range.
- Batteries are not low.
- Your device is compatible with Rover Revolution:

iPod touch® (3rd, 4th, 5th generation)

iPhone 5S

iPhone 5C

iPhone 5

iPhone® 4S

iPhone 4

iPhone 3GS

iPad® (4th generation)

iPad mini

iPad® (3rd generation)

iPad 2

iPad

Apple iOS: 4.3 and later

Android 2.2 and later, CPU: 800MHz, RAM: 512M, SD card: 256 MB or higher

Why does the Rover Revolution app ask to access my photos on my Apple device? Tap "Allow" so the Rover Revolution app can save images and videos to your Apple device. If "Don't Allow" is selected, photos and videos will not be saved to your device's "Photos". Select Settings > Privacy > Photos > Rover Rev> "ON" to solve this issue for future use.

Why will G Drive not activate?

The angle of the device may be out of range for G Drive activation. Please see full instruction on how to activate G Drive on page 13.

Why do the Lighted Coils sometimes turn off when the headlights and tail lights are on?

Due to power consumption constraints, the Lighted Coils and the microphone volume can not be on at the same time. When the microphone volume is turned on, the Lighted Coils turn off. When the microphone volume is turned all the way down (off), the Lighted Coils turn on.

Why don't I see Facebook, Twitter, Tumblr, or YouTube as a choice to share photos and videos on my Android device?

If using an Android device, the FaceBook, Twitter, Tumblr, and YouTube apps must already be installed on your device to share Rover Revolution photos and videos.

Are there replacement parts available for my Rover Revolution? Visit Brookstone.com or call customer service at 800-846-3000 for availability of replacement parts for Rover Revolution.

ONE (1) YEAR LIMITED WARRANTY

Brookstone® warrants this product against defects in materials and/or workmanship under normal use for a period of ONE (1) YEAR from the date of purchase by the original purchaser ("Warranty Period"). If a defect arises and a valid claim is received within the Warranty Period, at its option, Brookstone will either 1) repair the defect at no charge, using new or refurbished replacement parts, or 2) replace the product with a new product that is at least functionally equivalent to the original product, or 3) provide a store credit in the amount of the purchase price of the original product. A replacement product or part, including a user-installable part installed in accordance with instructions provided by Brookstone, assumes the remaining warranty of the original product. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Brookstone's property. When a store credit is given, the original product must be returned to Brookstone and becomes Brookstone's property.

Obtaining Service: To obtain warranty service, call Brookstone Limited Warranty Service at 1-800-292-9819. Please be prepared to describe the product that needs service and the nature of the problem. A purchase receipt is required. All repairs and replacements must be authorized in advance. Service options, parts availability and response times will vary. You are responsible for delivery and the cost of delivery of the product or any parts to the authorized service center for replacement, per our instructions.

Limits and Exclusions: Coverage under this Limited Warranty is limited to the United States of America, including the District of Columbia and the U.S. Territories of Guam, Puerto Rico, and the U.S. Virgin Islands. This Limited Warranty applies only to products manufactured for Brookstone that can be identified by the "Brookstone" trademark, trade name, or logo affixed to them or their packaging. The Limited Warranty does not apply to any non-Brookstone products. Manufacturers or

suppliers other than Brookstone may provide their own warranties to the purchaser, but Brookstone, in so far as permitted by law, provides these products "as is." This warranty does not apply to: a) damage caused by failure to follow instructions relating to product's use or the installation of components; b) damage caused by accident, abuse, misuse, fire, floods, earthquake or other external causes; c) damage caused by service performed by anyone who is not a representative of Brookstone; d) accessories used in conjunction with a covered product; e) a product or part that has been modified to alter functionality or capability; f) items intended to be periodically replaced by the purchaser during the normal life of the product including, without limitation, batteries or light bulbs; g) any product sold "as is" including, without limitation, floor demonstration models and refurbished items; or h) a product that is used commercially or for a commercial purpose.

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Some states disallow the exclusion or limitation of incidental or consequential damages or how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.