

PUB.DIM-727 RS


**Canon**



キャノンズームリモートコントローラ ZR-2000

## INSTRUCTIONS

Thank you for purchasing the Canon Zoom Remote Controller ZR-2000. To get the most out of your ZR-2000, we recommend that you read these instructions thoroughly and keep them in a safe place for future reference.

When the remote controller is connected to the LANC  terminal of a Canon camcorder, it is possible to control functions such as the start and stop of recording, the zoom and the focus functions while reviewing the picture on the local display without touching the camcorder. This is particularly useful while the camcorder is mounted on a tripod and you want to ensure maximum stability of a shot.


## 1. Nomenclature

### ① Connection plug

Plug into the LANC  terminal of a compatible camcorder.

### ② ZOOM SPEED dial

Rotate the dial to set the desired zoom speed.

-  (variable): The zoom speed depends on the way you operate the zoom lever. Press lightly for a slower zoom or press firmly for a quicker zoom.
- 1 – 16: Fixed zoom speed positions from 1 (slowest zoom speed) to 16 (fastest zoom speed).

### ③ STANDBY button

Keep the button pressed for more than 2 seconds to partially turn off the camcorder's power and enter the Power Save mode.

- Press again to turn the camcorder back on.

### ④ ON SCREEN button

- Camera mode: Press the button to hide the displays that appear on a monitor or TV screen when you do not need them. Press again to reactivate the displays.
- VCR mode: Press the button to show the on-screen displays during playback. Press again to hide the displays.

### ⑤ PUSH AF button

While the camcorder is in manual focus mode (and the POSITION PRESET switch is set to OFF) press the button to momentarily override the manual focus. The autofocus will be activated as long as you keep the button pressed down.

### ⑥ FOCUS selector

Set the camcorder's focusing mode to manual focus (MF) or autofocus (AF). While the camcorder is in manual focus mode, focus the camcorder using the FOCUS/AE SHIFT dial on the side of the ZR-2000.

### ⑦ FOCUS/AE SHIFT selector

Set the operating function of the FOCUS/AE SHIFT dial on side of the ZR-2000.

### ⑧ PEAKING button

Press the button to activate the Peaking display function: The outlines of the subject will be emphasized in order to make manual focusing easier.

### ⑨ START/STOP button

Press the button during record pause to start recording. Press it while recording to temporarily pause the recording.

### ⑩ MAGNIFYING button

Press the button to activate the Magnifying display function: The center of the screen will be magnified approximately 2x in order to make manual focusing easier.

### ⑪ Zoom lever (T/W)

- Press toward W to zoom out to wide-angle.
  - Press toward T to zoom in to telephoto.
- Set the zoom speed with the ZOOM SPEED dial.

### ⑫ FOCUS/AE SHIFT dial

The operation of the dual-purpose dial will depend on the position of the FOCUS/AE SHIFT selector.

- FOCUS: Turn towards – for a closer focal distance; turn towards + for a farther focal distance. Keep turning towards + to set the infinity focus  $\infty$ .
- AE SHIFT: Turn towards – for a lower AE level; turn towards + for a higher AE level.

### ⑬ Tripod Fitting

Secures the ZR-2000 onto the tripod panning handle. Choose the section of the tripod fitting that best fits the diameter of your panning handle.

- A: Fits handle of diameter approx. 6-12 mm (  $\frac{1}{4}$  -  $\frac{1}{2}$  in.)
- B: Fits handle of diameter approx. 12-18 mm (  $\frac{1}{2}$  -  $\frac{3}{4}$  in.)

## 2. Attaching the ZR-2000 to a tripod

1. Unscrew and remove the tripod fitting.
2. Affix to the tripod fitting the included non-slip rubber layer.
  - This will prevent the ZR-2000 sliding on the panning handle.
3. Position the tripod fitting on the panning handle and secure it in place.

## 3. Attaching the optional Color Viewfinder Unit FU-2000

You can attach to the ZR-2000 the optional Color Viewfinder Unit FU-2000.

1. Remove the protection cover from the FU-2000.
2. Fit the FU-2000 into the attachment section of the remote controller.
3. Tuck the remote controller's cable into the groove on the bottom part of the FU-2000 and turn the stopper to fix the cable in place.



- Do not attempt to disassemble or modify this unit.
- Do not subject this unit to strong vibrations or shocks.
- Do not leave the unit in direct sunlight, near heat radiating objects, inside a hot car, or in other hot places, as this may deform or discolor the unit.
- Do not insert the plug into any jack or terminal other than the LANC terminal of the camcorder.
- Keep the connection plug clean at all times.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 equipment 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 to 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 into 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.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

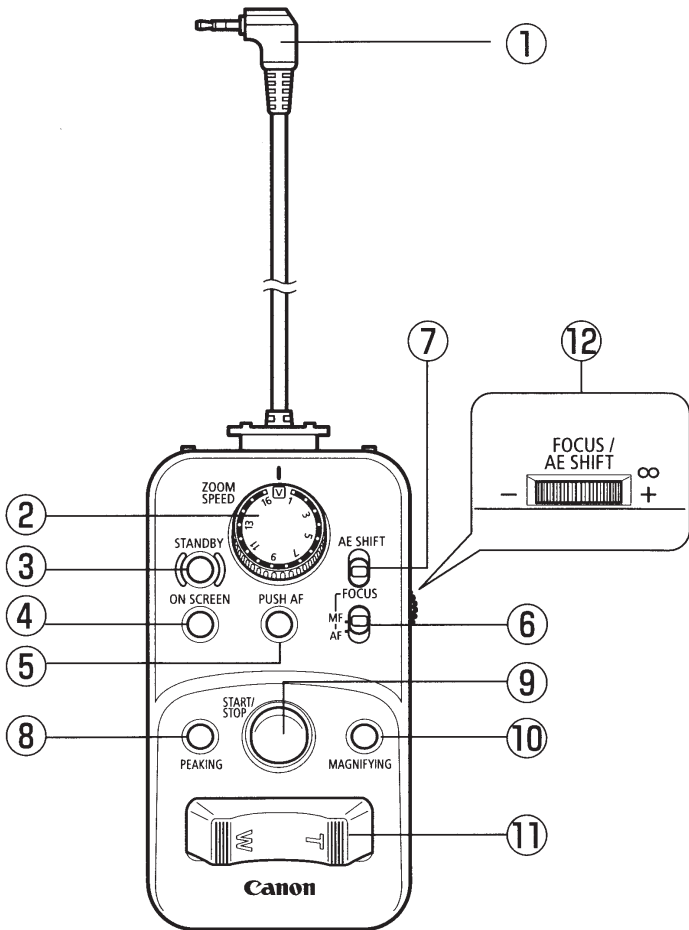
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus. ICES-003 of the industry Canada."

## Specifications

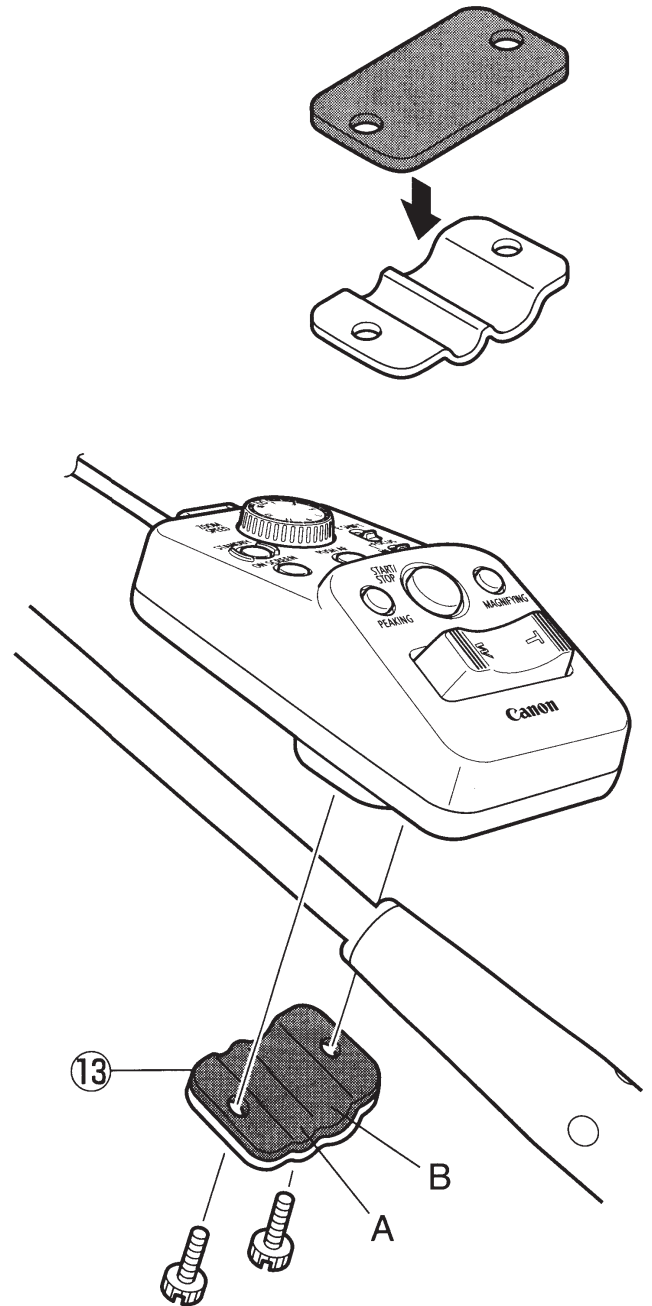
Plug:	ϕ 2.5 mm stereo miniplug (LANC  Standard)
LANC cable length:	3.3 m (10.8 ft.)
Operating temperature range:	0°–40°C (32°–104°F)
Dimensions (D × W × H):	110 × 58 × 40 mm (4.3 × 2.3 × 1.6 in.)
Weight:	153 g (5.4 oz.)

Weight and dimensions are approximate and subject to change without notice.  
Errors and omissions excepted.

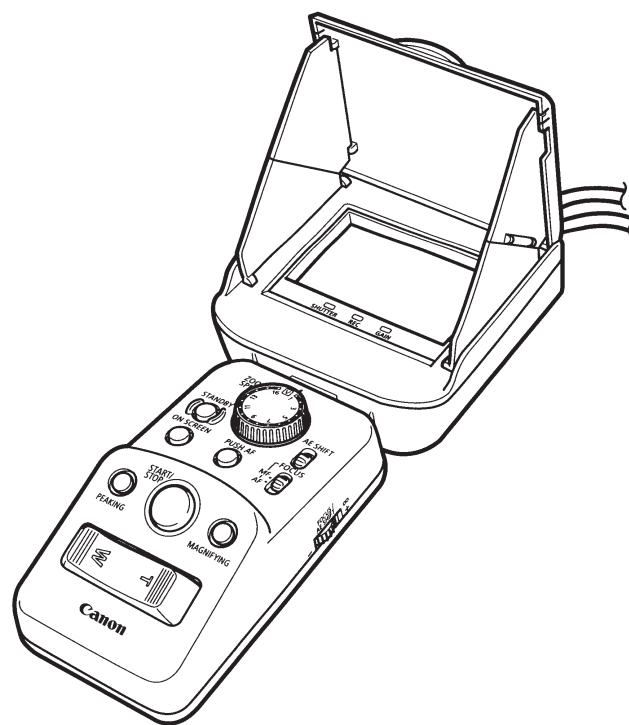
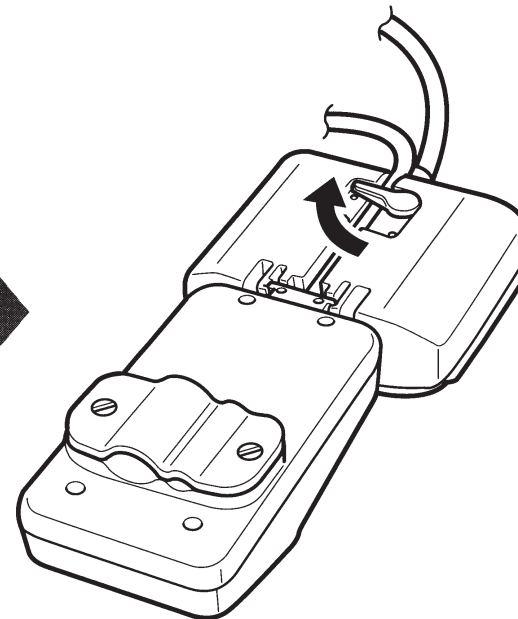
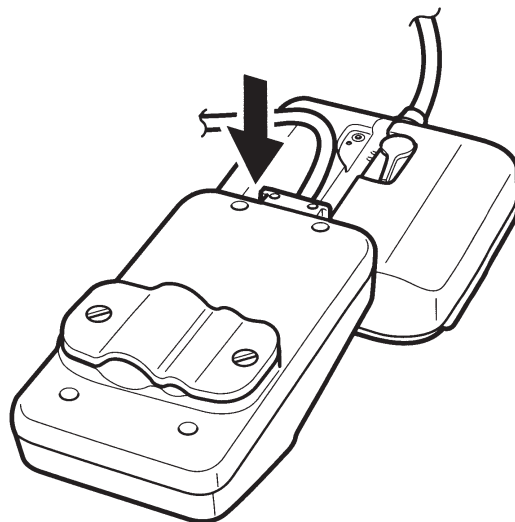
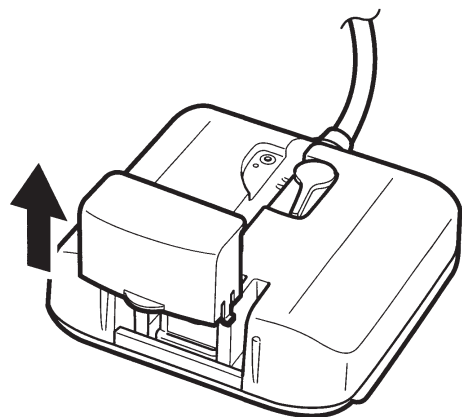
# 1



# 2



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**Canon U.S.A.**

You may obtain technical support for your Products as follows:

- Internet support at [www.usa.canon.com/support](http://www.usa.canon.com/support) (E-mail support also available)
- Telephone assistance from a Canon U.S.A. Customer Care representative free of charge during regular business hours at **1-800-OK-CANON (1-800-652-2666)**.

**Canon Canada**

You may obtain technical support for your Products as follows:

- Internet support for English at [www.canon.ca/english/cs](http://www.canon.ca/english/cs) (E-mail support also available)
- Internet support for French at [www.canon.ca/francais/cs](http://www.canon.ca/francais/cs) (E-mail support also available)
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- Soutien technique en français sur Internet à [www.canon.ca/francais/cs](http://www.canon.ca/francais/cs) (soutien par courriel également disponible)
- Assistance téléphonique sans frais de la part d'un représentant du Service à la clientèle de Canon Canada pendant les heures ouvrables habituelles au **1-800-OK-CANON (1-800-652-2666)**.



**CANON LIMITED WARRANTY/GARANTIE LIMITÉE**

THESE ARE NOT REGISTRATION CARDS - Retain for your records.  
II NE S'AGIT PAS DE CARTES D'ENREGISTREMENT DE PRODUIT - Conservez-les dans vos dossiers. Conservez cette carte de garantie avec votre facture. La garantie s'applique dans le pays où le produit a été acheté. Veuillez lire attentivement toute l'information portant sur la garantie. Cette information se trouve dans le guide de l'utilisateur.

Date of Purchase  
Date d'achat

MODEL  
MODÈLE

SERIAL NO.  
N° DE SÉRIE

**ZR-2000**

Purchaser's Name  
Nom d'acheteur

Address  
Adresse

Dealer's Name  
Nom de marchand

Address  
Adresse

Model  
Modèle

**Zoom Remote Controller  
Télécommande de zoom**

Pub No. DWI-020A

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**CANON® Consumer Digital Video Products Limited Warranty – For U.S.A.**

The limited warranty set forth below is given by Canon U.S.A., Inc. (Canon U.S.A.) in the United States with respect to the Canon Consumer Digital Video Products (collectively the "Products"), when purchased and used in the United States. This limited warranty is only effective upon presentation of your Bill of Sale or other proof of purchase. The Products are warranted under normal use, against defective materials or workmanship as follows:

Parts: Defective parts will be exchanged for new parts or comparable rebuilt parts for a period of one (1) year from the date of original purchase.

Labor: For a period of one (1) year from the date of original purchase, labor will be provided free of charge by our factory service centers or designated service facilities located in the United States.

When returning Products under this warranty, you must pre-pay the shipping charges, and you must enclose the Bill of Sale or other proof of purchase with a complete explanation of the problem. During the one (1) year warranty period, repairs will be made and the Products will be return-shipped to you free of charge. For repairs after the warranty period is over, you will be given an estimate of the cost of repair and an opportunity to approve or disapprove of the repair expense before it is incurred. If you approve, repairs will be made and the Products will be return-shipped to you. (shipping charges apply). If you disapprove, we will return-ship the Products at no charge to you.

**Non-Canon brand equipment and software that may be distributed with the Products are sold "as is" and without warranty of any kind by Canon U.S.A., including any implied warranty regarding merchantability or fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with the respect to such non-Canon brand items is given by the manufacturer or producer thereof.**

This limited warranty covers all defects encountered in normal use of the Products, and does not apply in the following cases:

- (a) Loss of or damage to the Products due to abuse, mishandling, improper packaging by you, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed in Canon U.S.A.'s user's manual or services performed by someone other than Canon U.S.A., or an authorized Products service provider. Without limiting the foregoing, water damage, sand/corrosion damage, battery leakage, dropping the camera, scratches, abrasions or damage to the body, lenses or LCD display will be presumed to have resulted from misuse, abuse or failure to operate the Products as set forth in the operating instructions.
- (b) Use of parts or supplies (other than those sold by Canon U.S.A.) that cause damage to the Products or cause abnormally frequent service calls or service problems.

- (c) If the Products had had their serial number or dating altered or removed.

NO IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE PRODUCTS AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE PRODUCTS SHALL BIND CANON U.S.A. (SOME STATES AND PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.) CANON U.S.A. SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OR MISUSE OF, OR INABILITY TO USE, THE PRODUCTS, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF CANON U.S.A. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL RECOVERY OF ANY KIND AGAINST CANON U.S.A. BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCTS SOLD BY CANON U.S.A. AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE, THE PRODUCTS NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF CANON U.S.A. (SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.) THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE PRODUCTS, OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT, AND STATES YOUR EXCLUSIVE REMEDY.

\*The battery pack packaged with the Products carries a separate ninety (90) day limited warranty.

**TO OBTAIN WARRANTY SERVICE**

You may obtain technical support for your Products as follows:

Internet support at [www.usa.canon.com/support](http://www.usa.canon.com/support) (E-mail support also available)

Telephone assistance from a Canon U.S.A. Customer Care representative free of charge during regular business hours at **1-800-OK-CANON (1-800-652-2666)**

## CANON® Consumer Digital Video Products Limited Warranty – For Canada Only

### CANON CONSUMER DIGITAL VIDEO PRODUCTS LIMITED WARRANTY

The limited warranty set forth below is given by Canon Canada Inc. ("Canon Canada") with respect to Canon Consumer Digital Video Products (the "Products") purchased in Canada. This limited warranty is only effective upon presentation of a bill of sale or other proof of purchase for these Products to a Canon Service Facility when repairs are required. The Products are warranted under normal use, against defective materials or workmanship as follows:

Parts: Defective parts will be exchanged for new parts or, at Canon Canada's option, comparable rebuilt parts for a period of one (1) year from the date of original purchase,

Labour: For a period of one (1) year from the date of original purchase, labour will be provided free of charge by our Canon Service Facilities in Canada. This limited warranty covers all defects except where:

- (a) The loss or damage to the products results from:
  - i) accident, natural disaster, mishandling, abuse, neglect, unauthorized products modification or failure to follow instructions contained in the instruction manual;
  - ii) the use of accessories, attachments, products, supplies, parts or devices with the Products that do not conform to Canon specifications or that cause abnormally frequent service problems;
  - iii) repairs or services performed by any party other than a Canon Service Facility;
  - iv) defective batteries or any exposure to water, sand or dirt;
  - v) shipping (claim must be presented to the shipper);

- (b) Any serial number on the video Products is altered or removed.

This limited warranty does not cover the cabinet (exterior finish) of the Products, media, nor does it apply to Products purchased outside Canada. If the Products contain a hard disk drive or a flash memory, Canon Canada recommends that data stored on that drive be duplicated or backed up to prevent its loss in the event of a failure or other malfunction of such drive.

### TO OBTAIN WARRANTY SERVICE

You may obtain technical support for your Products as follows:

Internet support for English at [www.canon.ca/english/cs](http://www.canon.ca/english/cs) (E-mail support also available)

Internet support for French at [www.canon.ca/francais/cs](http://www.canon.ca/francais/cs) (E-mail support also available)

Telephone assistance from a Canon Canada. Customer Care representative free of charge during regular business hours at 1-800-OK-CANON (1-800-652-2666)

### LIMITATIONS

Except as otherwise required by applicable legislation, this warranty is in lieu of all other warranties, conditions, guarantees or representations, express or implied, statutory or otherwise, relative to the Products, including implied warranties or conditions of merchantability or fitness for a particular purpose. Canon Canada assumes no liability for special, consequential or incidental damages, loss or corruption of data including, without limitation, data stored on the hard disk drive or flash memory of the Products or loss that may arise, whether on account of negligence or otherwise, from the use, misuse or inability to use the Products (including loss of profit, revenue, media or enjoyment) or from failure to conform to any express or implied warranties, conditions, guarantees or representations. Any recovery under this limited warranty shall not exceed the purchase price of the Products. Canon Canada does not assume or authorize any other person to assume for Canon Canada any other liability with respect to this Products. This warranty does not extend to any person other than the original purchaser of the Products or the person for whom it was purchased as a gift and states your exclusive remedy.

### NOTICE TO CONSUMER

If you plan to take important videos or if the Products have not been used for some time, please check all functions with the instruction book before using it.

## GARANTIE LIMITÉE POUR LES PRODUITS GRAND PUBLIC DE CANON, CATÉGORIE CAMÉSCOPES NUMÉRIQUES

La garantie limitée énoncée ci-dessous est offerte par Canon Canada Inc. (« Canon Canada ») et porte sur les produits grand public de la catégorie caméscopes numériques (les « Produits ») de Canon achetés au Canada. Cette garantie limitée n'est valide que sur présentation d'une facture ou autre preuve d'achat de ces Produits à un centre de réparation Canon lorsqu'une réparation est nécessaire. Les Produits sont garantis pour une utilisation normale contre les défauts de matériel et de fabrication, comme suit :

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Main-d'œuvre : Pendant une période de un (1) an suivant la date de l'achat initial, la main-d'œuvre sera fournie sans frais à nos centres de réparation Canon au Canada. Cette garantie limitée couvre toutes les défaillances, sauf dans les cas suivants :

- a) Lorsque la perte des Produits ou le dommage causé à ceux-ci découlent :
  - i) d'un accident, d'une catastrophe naturelle, d'une manipulation inappropriée, d'une utilisation abusive, de la négligence, de la modification non autorisée des Produits ou du manquement à suivre les instructions d'utilisation fournies dans le manuel ;
  - ii) de l'utilisation d'accessoires, d'équipements, de produits, de fournitures, de pièces ou de dispositifs avec les Produits non conformes aux spécifications de Canon ou qui causent des problèmes anormalement fréquents ;
  - iii) de réparations ou de services rendus par tout tiers autre que les spécialistes des centres de réparation de Canon ;
  - iv) de piles défectueuses ou de toute exposition à l'eau, au sable ou à la poussière ;
  - v) de l'expédition (la demande doit être présentée à l'expéditeur) ;

- b) Si le numéro de série sur les Produits vidéo est modifié ou effacé.

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Soutien technique en français sur Internet à [www.canon.ca/francais/cs](http://www.canon.ca/francais/cs) (soutien par courriel également disponible)

Soutien téléphonique de Canon Canada. Aide de la part d'un représentant du Service à la clientèle sans frais pendant les heures ouvrables habituelles au 1-800-OK-CANON (1-800-652-2666)

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Si vous prévoyez tourner des vidéos importantes ou si les Produits n'ont pas été utilisés depuis un certain temps, veuillez vérifier au préalable toutes les fonctions à l'aide du guide de l'utilisateur.