AUTOMATE.

DCFT MOTOR

433 Mhz Bi-Directional | Electronic Limit | Favorite Position | Fabric Tension | Ultra Lock | Battery Check | Impact Detection

USE THIS DOCUMENT WITH THE FOLLOWING MOTORS:

PART NUMBER	DESCRIPTION
MT01-1245-069001	AUTOMATE | DCFT 15 ARC Motor [Ø45/15Nm/10rpm]

AUTOMATE | DCFT tubular motors combine the simple, intuitive features of ARC "Automate Radio Communication" with Fabric Tension capability and DC power. Three alternate modes of operation include:

- E-type for standard use
- MANUAL FT Mode for use with conventional locking devices with fabric tensioning
- AUTO FT Mode for use with Rollease Acmeda's proprietary ULTRA LOCK providing automatic fabric tensioning

Functional options in each operating mode include: FAVORITE POSITION & BATTERY CHECK.

- An intermediate setting allows for a customized FAVORITE POSITION to be preset.
- The BATTERY CHECK feature lowers the shade to the level of charge remaining in the battery pack when triggered.
- IMPACT DETECTION senses an obstacle in the blinds path during downward movement and redirects the shade to protect the motor, hardware and fabric, ensuring product longevity.

SAFETY INSTRUCTIONS

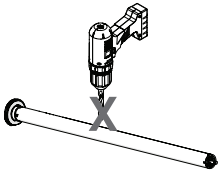
WARNING: Important safety instructions to be read before installation.

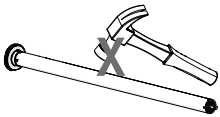
Incorrect installation can lead to serious injury and will void manufacturer's liability and warranty.

WARNING: Important safety instructions. Follow all instructions since incorrect installation can lead to severe injury.

WARNING: Important safety instructions. It is important for the safety of persons to follow these instructions.
Save these instructions.

WARNING: the drive shall be disconnected from its power source during cleaning, maintenance and when replacing parts.





WARNING: Important safety instructions to be read before installation and use.

Incorrect installation or use can lead to serious injury and will void manufacturer's liability and warranty.
It is important for the safety of persons to follow the enclosed instructions. Save these instructions for future reference.

- Do not expose to water, moisture, humid and damp environments or extreme temperatures.
- Persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge should not be allowed to use this product.
- Use or modification outside the scope of this instruction manual will void warranty.
- Installation and programming to be performed by a suitably qualified installer.
- Follow installation instructions.
- For use with motorized shading devices.
- Keep away from children.
- Frequently inspect for improper operation. Do not use if repair or adjustment is necessary.
- Keep clear when in operation.
- Replace battery with correctly specified type.
- Do not operate when maintenance, such as window cleaning, is being carried out in the vicinity.
- He instructions shall state that the A-weighted emission sound pressure level of the drive is equal to or less than 70 dB(A), e.g. by writing LpA ≤ 70 dB(A).
- The mass and the dimension of the driven part shall be compatible with the rated torque and rated operating time
- The minimum tube diameter needed to insert tubular drives
- This appliance must only be supplied at safety extra low voltage corresponding to the marking on the appliance.

COMPLIANCE STATEMENT

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.

Le présent appareil est conforme aux CNR d'Industrie Canada 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.

Caution: Changes or modifications 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 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.

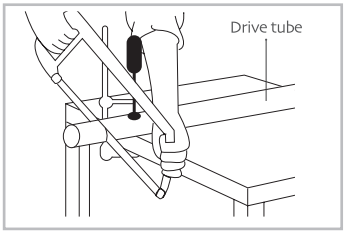
Do not dispose of in general waste.
Please recycle batteries and damaged electrical products appropriately.

Intertek
5005833

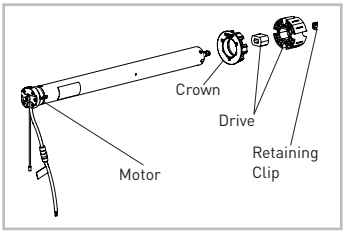
CONTENTS

1 ASSEMBLY + INSTALLATION OF MOTOR

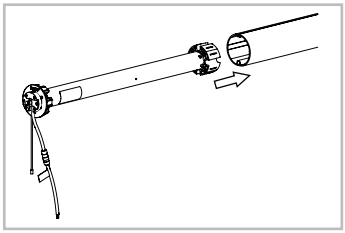
Please refer to Rollease Acmeda System Assembly Manual for full assembly instructions relevant to the hardware system being used.



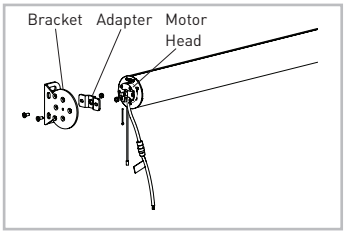
Cut roller tube to required length & de-burr.



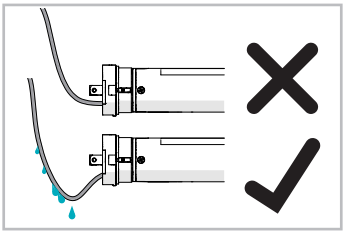
Fit required crown, drive and bracket adapters.



Assemble tube with motor.



Mount motorized tube onto brackets.



Note: Ensure Motor is rotated so that cable is at the bottom of the motor as illustrated.

2 BATTERY PACK MOUNTING OPTIONS

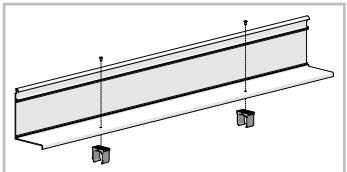
2.1 Cassette mounting holes x2

Battery must only be charged by Rollease Acmeda battery charger MT03-0301-050017.

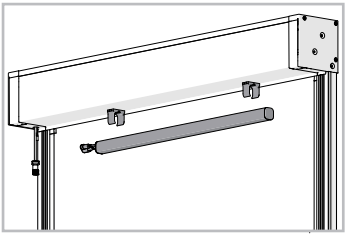
Battery charger LED status: RED = Charging | GREEN = Idle

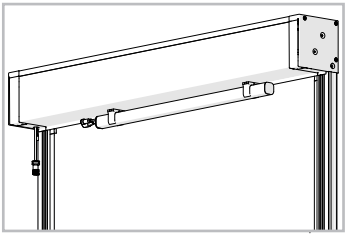
NOTE:
Battery pack will only charge between 0-45°C [32-113°f].
Battery pack must be installed out of direct sunlight.

Recommended to install the battery in a horizontal orientation to minimize the risk of water ingress. Ensure the battery is positioned away from direct contact with water or exposure to adverse weather conditions during installation.



Screws need to be installed from inside Cassette to avoid fabric.

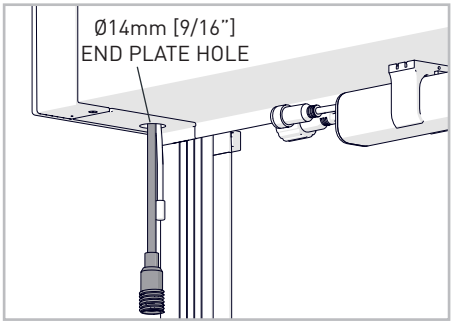


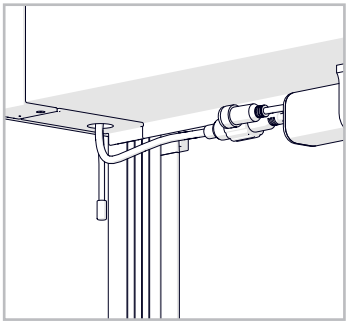


Ø4mm [3/16"] BATTERY PACK MOUNTING HOLES x2 & 465mm [18-5/16"] optimal bracket spacing

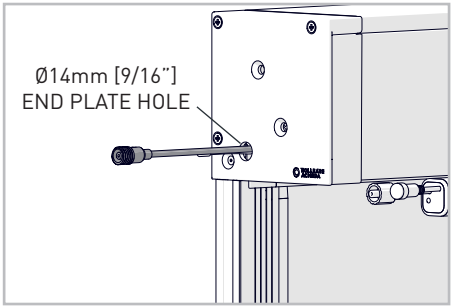
3 WIRING ROUTING

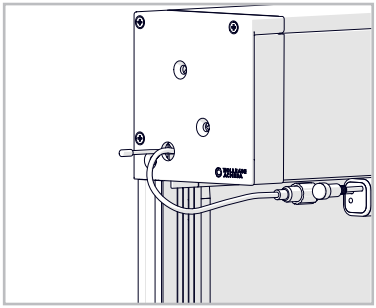
3.1 Cassette Front Cover



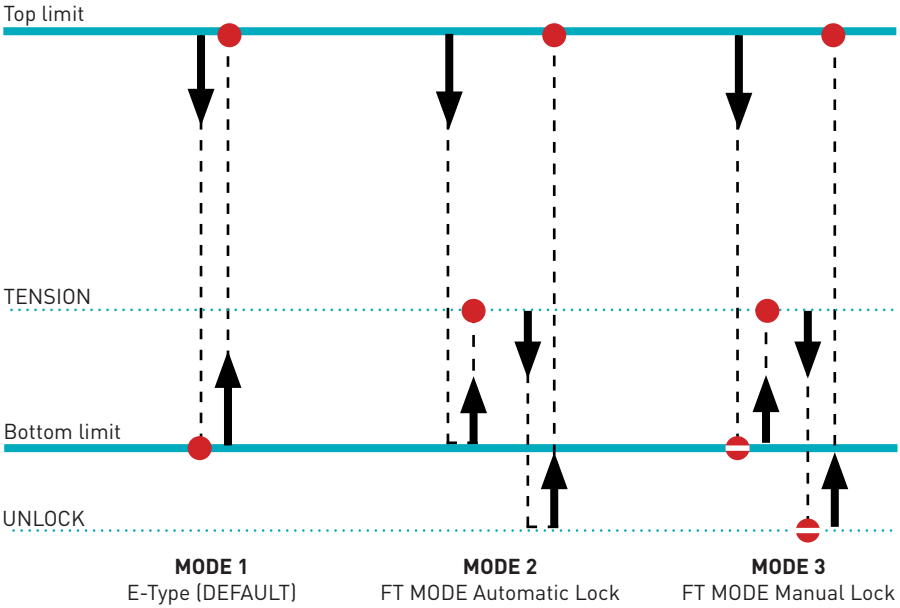


3.2 Cassette End Plate





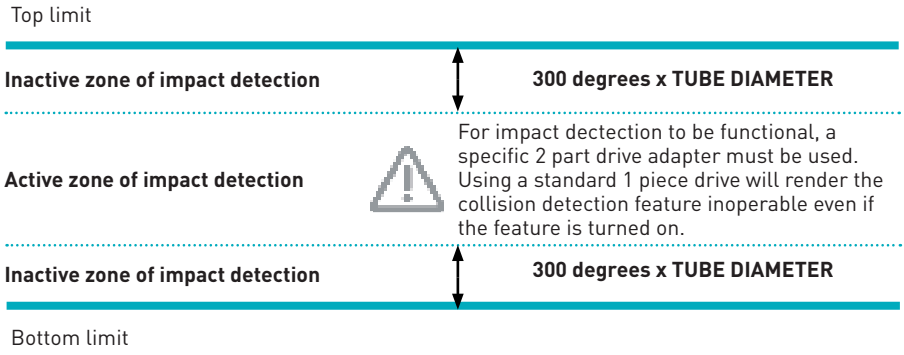
4 SELECTABLE MODE



LEGEND
END OF CYCLE
CYCLE PAUSE

4.1 Impact Detection

Impact detection is deactivated by default. Impact detection may be activated in all 3 modes. If an obstacle is detected twice in the shade path during downwards movement, the motor lifts the shade up ~ 7.87in. (20cm).



5 P1 BUTTON FUNCTIONS

5.1 Motor state test

This table describes the function of a short **P1** Button press/release (<2 seconds) depending on current motor configuration.

P1 Press	Condition	Function Achieved	Visual Feedback	Audible Feedback	Function Described
Short Press	If limit is NOT set	None	No Action	None	No Action
	If limits are set	Operational control of motor, run to limit. Stop if running	Motor Runs	None	Operational control of motor after pairing and limit setting is completed first time
	If motor is in "Sleep Mode" & limits are set	Wake and control	Motor wakes and runs in a direction	None	Motor is restored from Sleep Mode and RF control is active

5.2 Motor configuration options

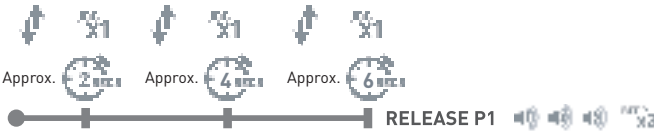
The **P1** Button is utilized to administer motor configurations as described below.

Hold **P1** button on motor head.

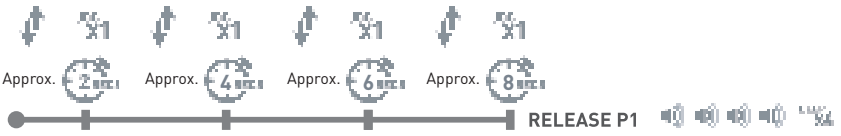
Activate Pairing Mode

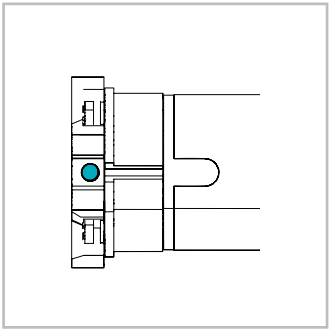
Sleep Mode

Reverse Direction



Reset To Factory Settings





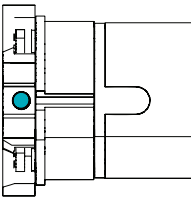
P1 button on motor head.

6 INITIAL SET UP

6.1 Pair motor with controller

Select channel on controller.

Press the **P1** button until the motor responds then release.



Hold **STOP** on controller.

IMPORTANT

Consult user manual for your controller for information on selecting channel.

Motor Response

Motor Response

Motor is now in step mode and ready for setting limits

6.2 Check motor direction

To check travel direction of shade, press **UP** or **DOWN** on controller..

Quick Press = Step

Long Press = Continuous Travel

To reverse shade direction, hold both **UP** and **DOWN**.

Until the motor responds.

Motor Response

IMPORTANT

Damage to shade may occur when operating motor prior to setting limits. Attention should be given.

IMPORTANT

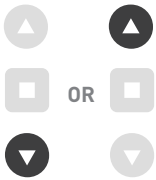
Reversing motor direction using this method is only possible during initial set-up

6.3 Set Limits

IMPORTANT

Cycle shade up and down prior to setting limits to settle fabric

Move shade to the desired highest or lowest position by pressing the **UP** or **DOWN** buttons on controller.



To save upper limit, hold **UP** and **STOP**.

Motor Response

Approx. 5 SECS

Move shade to the desired highest or lowest position by pressing the **UP** or **DOWN** buttons on controller.

To save lower limit, hold **DOWN** and **STOP**.

Motor Response

Approx. 5 SECS

IMPORTANT

After setting limits, motor will automatically exit from initial set-up mode.

7 ADJUSTING LIMITS

7.1 Adjust upper limit

Hold **UP** and **STOP** on controller.

Move shade to the desired highest position by pressing the **UP** or **DOWN** button.

To save upper limit, hold **UP** and **STOP**.

Motor Response

Approx. 5 SECS

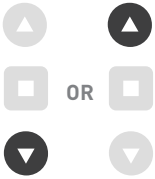
Motor Response

Approx. 5 SECS

7.2 Adjust lower limit

Hold **DOWN** and **STOP** on controller.

Move shade to the desired lowest position by pressing the **UP** or **DOWN** button.



To save lower limit, hold **DOWN** and **STOP**.

Motor Response

Approx. 5 SECS

Motor Response

Approx. 5 SECS

IMPORTANT (ULTRA-LOCK V2 ONLY)

When using the Ultra-lock V2, the bottom limit must be set within the 'locking zone'. Jog the weight bar down until you hear both locking pins click into each housing.

8 FAVORITE POSITIONING

8.1 Set a favorite position

Move shade to the desired position by pressing the **UP** or **DOWN** button on the controller.

Press **P2** on controller.

Motor Response

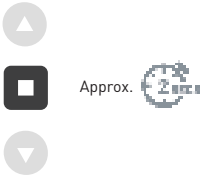
Press **STOP** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

8.2 Send shade to favorite position



8.3 Delete favorite position

Press **P2** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

9 FABRIC TENSION SETTING

9.1 Activate/Deactivate FT Mode

Note: When activating FT Mode for the first time, AUTOMATIC Lock Mode is selected.
FT Mode is deactivated by default.

Press **P2** on controller.

Press **UP** on controller.

Press **UP** on controller.

FT MODE:

Motor Response

NO FT MODE:

Motor Response

9.2 Switching Auto & Manual Lock Modes

Note: Motor must be in FT mode before switching between lock modes.

Press **P2** on controller.

Press **STOP** on controller.

Press **DOWN** on controller.

AUTO MODE:

Motor Response

MANUAL MODE:

Motor Response

9.3 Auto Mode Operation

LOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** and **UP** to engage the Ultra Lock.

UNLOCK

Press **UP** on controller.

Motor Response

Shade moves **DOWN** to release Ultra Lock and then **UP** to the top limit.

9.4 Manual Mode Operation

LOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** to the bottom limit, then pauses.

Press **UP** on controller.

Motor Response

Shade moves **UP** to engage the locking device.

UNLOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** to release the Locking device, then pauses.

Press **UP** on controller.

Motor Response

Shade moves **UP** to the top limit.

9.5 Activate/Deactivate FT Mode

The Impact Detection feature only works in the active zone during downward movement (see Section 4.2).
All three modes have this impact detection feature deactivated by default (see Section 2.1).
Repeat sequence to turn on or off as required.

Press **P2** on controller

Motor Response

Press **DOWN** on controller

Motor Response

Press **DOWN** on controller

Impact Detection ON

Motor Response

Impact Detection OFF

Motor Response

IMPORTANT

The top tube must be able to freely rotate ~ 5 degrees after installation.

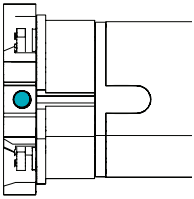
10 CONTROLLERS AND CHANNELS

10.1 Using motor P1 Button to add a new controller or channel

A = Existing controller or channel (to keep)

B = Controller or channel to add or remove

Press **P1** on motor head.



Motor Response

Hold **STOP** on an new controller to add it. Motor keeps original limits.

Motor Response

IMPORTANT Consult user manual for your controller or sensor

10.2 Using a pre-existing controller to add or delete a controller or channel

A = Existing controller or channel (to keep)

B = Controller or channel to add or remove

Press **P2** on controller **A**.

Motor Response

Press **P2** on controller **A**.

Motor Response

Press **P2** on the controller **B** to remove it.

Motor Response

IMPORTANT Consult user manual for your controller or sensor

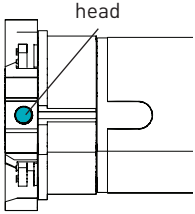
11 SLEEP MODE

If multiple motors are grouped on a single channel, Sleep Mode may be used to put all but 1 motor to sleep, allowing programming of just the one motor that remains "Awake".

Enter Sleep Mode

Sleep mode is utilized to prevent a motor from incorrect configuration during other motor setup.

Hold **P1** button on the motor head



Motor Response

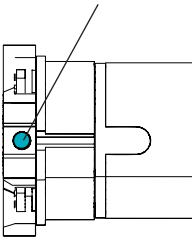
Approx. 4 SECS

RELEASE P1

Exit Sleep Mode: Method 1

Exit sleep mode once the shade is ready.

Press and release **P1** button on the motor head



Motor Response

Exit Sleep Mode: Method 2

Remove power and then re-power the motor.

12 BATTERY CHECK FUNCTION

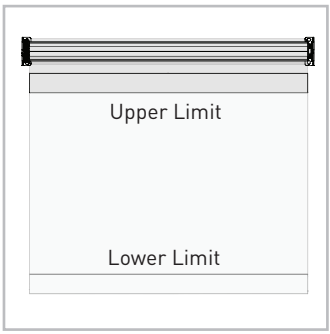
12.1 Send Shade to battery charge level

Shade must be at Upper Limit.

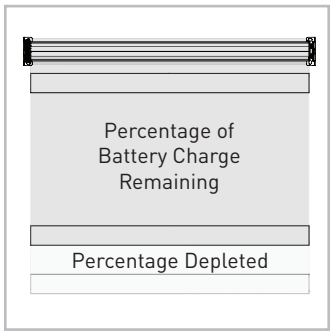
Hold **UP**

Motor Response

Approx. 5 SECS



Shade must be at Upper Limit
Hold **UP** for Approx. 5s



Shade moves to percentage of battery charge remaining

13 WIND AND SUN SENSOR

Ensure the Wind and Sun sensor functionality on the motor is activated prior to pairing the Wind and Sun sensor.

13.1 Activate/Deactivate sensor functionality

Note: Functionality activated by default.

PRESS **P2** ON CONTROLLER

Motor Response

PRESS **UP** ON CONTROLLER

Motor Response

PRESS **STOP** ON CONTROLLER

Motor Response (Activated)

Motor Response (Deactivated)

13.2 Pairing Wind and Sun sensor to Motor

ON REMOTE

PRESS **P2** ON CONTROLLER

Motor Response

PRESS **P2** ON CONTROLLER

Motor Response

ON SENSOR

PRESS **P2** TO WAKE THE SENSOR

PRESS **P2** ON AN EXISTING CONTROLLER TO ADD OR REMOVE IT.

Motor Response

IMPORTANT: WIND SENSOR PRIORITIZE FUNCTION

Once the motor receives a command from the wind sensor, the motor will respond accordingly. At this point the motor will ignore any other remote or sensor commands for 8 minutes. This is needed to avoid contradicting multiple triggers. Keep this in mind when testing the motor with the remote after the wind sensor has been triggered. The wind sensor function is ON by default.

NOTE: Motor will jog to alert user if operated within 8 minutes.

Problem	Cause	Remedy
Motor is not responding	Connected Battery is depleted or Power Supply is not working	Recharge with a compatible charger
	Transmitter battery is discharged	Replace battery
	Battery is inserted incorrectly into transmitter	Check battery polarity
	Radio interference/shielding	Ensure transmitter is positioned away from metal objects and the aerial on motor or receiver is kept straight and away from metal
	Receiver distance is too far from transmitter	Move transmitter to a closer position
	Charging failure	Check power supply to motor is connected and active
	Power Failure	Check power supply to motor is connected and active.
Motor beeps x10 when in use	Battery voltage is low	Recharge with a compatible charger
Cannot program a single motor (multiple motors respond)	Multiple motors are paired to the same channel	Always reserve an individual channel for programming functions. Use Sleep Mode to program individual motors.

ISED Compliance

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

15 NOTES

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