



3-249-839-11

CD STEREO RADIO CASSETTE RECORDER

CSD-TD10

CSD-TD30

OPERATING INSTRUCTIONS

En (English)

INSTRUCCIONES DE MANEJO

E (Español)

MODE D'EMPLOI

F (Français)

COMPACT
disc
DIGITAL AUDIO

For assistance and information

visit us on the internet at

www.us.aiwa.com

call toll free 1-800-BUY-AIWA
(United States only)

Owner's Record

The model number is located at the bottom and the serial number is located in the battery compartment.

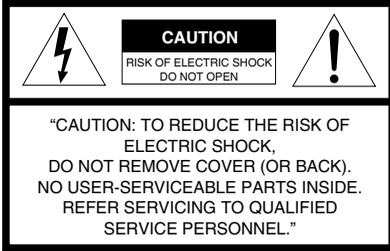
Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Aiwa dealer regarding this product.

Model No. _____

Serial No. _____

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



Explanation of Graphical Symbols:



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

The use of optical instruments with this product will increase eye hazard.

IMPORTANT SAFETY

Read the Operating Instructions carefully and completely before operating the unit. Be sure to keep the Operating Instructions for future reference. All warnings and cautions in the Operating Instructions and on the unit should be strictly followed, as well as the safety suggestions below.

Warning

To prevent electric shock or injury, these safety instructions should be followed in the installation, use and servicing the unit.

Installation

Attachments – Do not use attachments not recommended by the unit manufacturer as they may result in the risk of fire, electric shock or injury to persons.

Water and Moisture – Do not use this unit near water - for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

Heat – Do not use this unit near sources of heat, including heating vents, stoves, or other appliances that generate heat. It also should not be placed in temperatures less than 5°C (41°F) or greater than 35°C (95°F).

Mounting surface – Place the unit on a flat, even surface.

Accessories – Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the unit. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

Portable cart – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



Ventilation – The unit should be situated with adequate space around it so that proper heat ventilation is assured. Allow 10 cm clearance from the rear and the top of the unit, and 5 cm from the each side.

Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to ensure reliable operation of the unit and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the unit on a bed, sofa, rug or other similar surface. This unit should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

INSTRUCTIONS

Object and Liquid Entry – Never push objects of any kind into this unit through the cabinet slots as they may touch dangerous voltage points or short-circuit parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.

Electric Power

Power Sources – This unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. To operate unit on battery power, or other sources, refer to the operating instructions.

Grounding or Polarization – This unit is provided with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

Overloading – Do not overload wall outlets, extension cords, integral convenience receptacles as this can result in a risk of fire or electric shock.

Lightning

For added protection for this unit receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the unit due to lightning and powerline surges.

Maintenance

Cleaning – Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Damage Requiring Service

Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- 1) When the power cord or plug is damaged.
- 2) If liquid has been spilled, or objects have fallen into the unit.
- 3) If the unit has been exposed to rain or water.
- 4) If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to normal operation.
- 5) If the unit has been dropped or the cabinet has been damaged.
- 6) When the unit exhibits a distinct change in performance - this indicates a need for service.

Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

Safety Check – Upon the completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.



Condensation – Moisture may form on the CD pickup lens when:

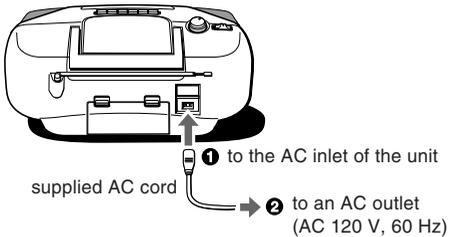
- The unit is moved from a cold spot to a warm spot
- The heating system has just been turned on
- The unit is used in a very humid room
- The unit is cooled by an air conditioner

When this unit has condensation inside, it may not function normally. Should this occur, leave the unit for a few hours, then try to operate again.

Power supply

Using on AC house current

Connect the AC cord as illustrated below.



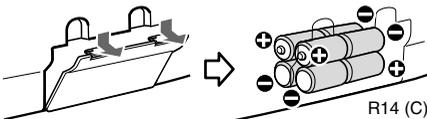
CAUTION

Use only the supplied AC cord. Use with other cords may result in the risk of fire.

Using on batteries

Open the lid of the battery compartment on the rear and insert eight R14 (size C) batteries, not supplied, with the \oplus and \ominus marks correctly aligned. Then close the lid.

To switch from AC power supply to battery power supply, disconnect the AC cord from the AC inlet.



When to replace the batteries

The tape speed slows down, volume decreases, or sound is distorted during operation.

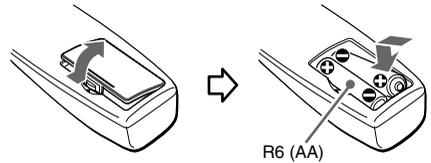
Notes on batteries

- Do not mix different types of batteries or old batteries with new ones.
- When the unit is not to be used for a long period, remove the batteries to prevent needless battery wear.
- Never recharge the batteries, apply heat to them or take them apart.
- Remove dead batteries.

If liquid leaks from the batteries, wipe thoroughly to remove.

Remote control (CSD-TD30 only)

Insert two R6 (size AA) batteries.



When the reach of the remote control signal is less than 5 meters (16 feet), replace the batteries.

The remote control may not operate correctly when:

- The unit is exposed to intense light, such as direct sunlight
- Objects block the remote control signal to the unit

To use the buttons on the remote control

Buttons on the remote control and the main unit with identical indications have the same functions.

SOUND ADJUSTMENT

Volume or tone adjustment does not affect recording.

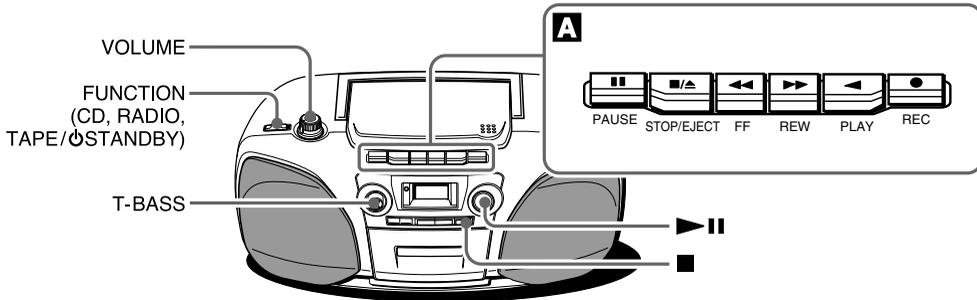
VOLUME

Turn VOLUME to adjust.

T-BASS system

The T-BASS system enhances the realism of low-frequency sound.

Set T-BASS to ON or OFF.

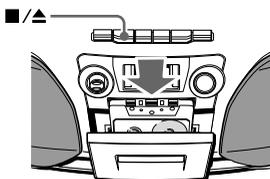


A TAPE OPERATION

Use Type I (normal) tapes only.

INSERTING A TAPE

Press **■/▲** STOP/EJECT to open the cassette holder and insert a tape with the exposed side up and the side to be played facing out.



Push the cassette holder to close.

PLAYING A TAPE

Press **◀** PLAY while the power is off.

The power is turned on and play of the inserted tape begins.

■/▲ STOP/EJECT – Stops play. The power will be automatically turned off.

|| PAUSE – Pauses play. To resume play, press again.

◀◀ FF/ **▶▶** REW – Fast forwards/ rewinds. To stop the winding, press **■/▲**.

RECORDING

Note that recording is done on only one side of the tape.

1 Insert a tape with the side to be recorded facing out.

2 Get ready to record from the source.

To record from a CD, select CD and load the disc. To record from a radio broadcast, select RADIO and tune to a station. (See the following pages.)

3 Press **●** REC to start recording.

◀ PLAY is pressed simultaneously.

When recording from a CD, press **▶||** to start playback.

To record only the selected tracks of a CD

- Follow steps 1 to 4 of PROGRAMMED PLAY on page 9 to program tracks.
- Press **●**, then start CD play.

To stop recording, press **■/▲**. To stop CD play, press **■**.

To pause recording, press **||**. To resume recording, press again.

To erase recording, press **●** while the power is off.

After recording, select TAPE/STANDBY with FUNCTION to turn the power off.

To prevent accidental erasure

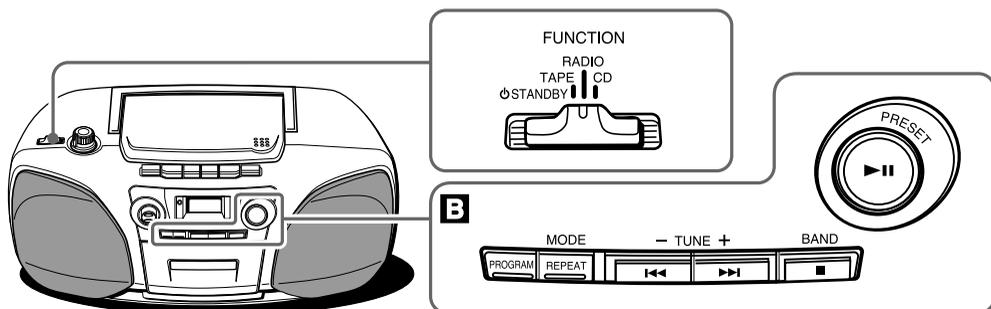
Break off the plastic tabs on the cassette tape with a screwdriver or other pointed tool after recording.

To record on the tape again

Cover the tab openings with adhesive tape, etc.



En

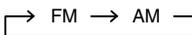


B RADIO OPERATION

1 Select RADIO with FUNCTION.

The power is turned on.

2 Press ■ repeatedly to select the desired band.



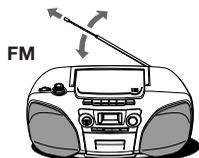
The previously tuned station is received.

3 Press ◀◀, ▶▶ to select a station.

During FM stereo reception, ((◉)) is displayed.

After listening, select TAPE/◉STANDBY with FUNCTION to turn the power off.

For better reception



Extend the rod antenna and orient it for the best reception.



The antenna is inside the unit. Position the unit for the best reception.

For quick tuning (Auto Search)

Hold down ◀◀, ▶▶ until the tuner starts searching for a station. When a station is tuned to, the search stops.

If the broadcast signal is weak, it does not stop. To stop the search manually, press ◀◀ or ▶▶.

FUNCTION



B



REPEAT/MODE

- If an FM stereo broadcast contains noise, press the button so that **MONO** is displayed. Noise is reduced, although reception is monaural. To restore stereo reception, press the button again.
- If a high-pitched sound is heard during AM recording, press the button repeatedly to display "b1" or "b2", so as to eliminate the noise.

To change the AM tuning interval

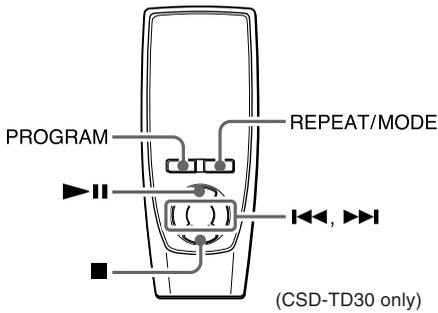
The default setting of the AM tuning interval is 10 kHz/step. If you use this unit in an area where the frequency allocation system is 9 kHz/step, change the interval as follows.

- 1 Press ■ to display AM.
- 2 Hold down REPEAT/MODE for 5 seconds to change the interval.

When the AM tuning interval is changed, the AM preset stations are cleared.

NOTE

If the unit picks up noise from other electrical appliances nearby, like a TV or fluorescent lights, move the unit away.



Maintenance

To clean the cabinet

Use a soft cloth lightly moistened with mild detergent solution. Do not use strong solvents such as alcohol, benzine or thinner.

To clean the heads

When the tape heads are dirty;

- high frequency sound is not emitted
- the sound is not adequately high
- the sound is off-balance
- the tape cannot be erased
- the tape cannot be recorded on

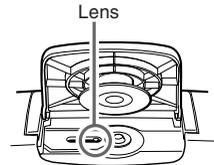
After every 10 hours of use, clean the tape heads with a head cleaning cassette.

Use separately sold dry-type or wet-type cleaning cassette.

Refer to the instructions of the cleaning cassette for details.

To clean the lens

Use a cotton swab slightly moistened with cleaning fluid. Wipe gently from the center to the edge.



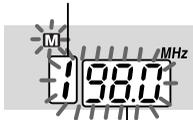
PRESETTING STATIONS

You can preset up to 15 stations in each band.

- 1 Select a station.**
- 2 Press PROGRAM once so that "M" is displayed to store the station.**

A station is assigned a preset number, beginning from 1 in consecutive order for each band.

Preset number



Frequency

- 3 Repeat steps 1 and 2.**

The next station will not be stored if a total of 15 preset stations have already been stored for a band.

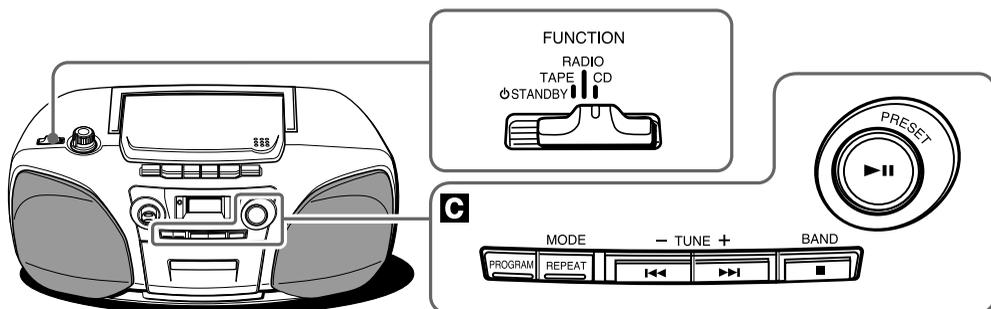
To listen to preset stations

Select a band then press ►|| repeatedly.

To clear a preset station

Select the preset number first. Within 5 seconds, hold down PROGRAM until "M" and the preset number disappear in the display.

The higher numbers in the band are decreased by one.

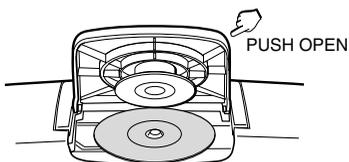


C CD OPERATION

1 Select CD with FUNCTION.

The power is turned on.

2 Press PUSH OPEN to open the disc compartment. Place a disc with the printed side up and close the disc compartment.



Total number of tracks and total playing time are displayed.

3 Press ►|| to start play.

The number of the track being played and elapsed playing time are displayed.

■ – Stops play.

►|| – Pauses play. To resume play, press again.

◀◀, ▶▶ – Searches for a particular point during playback. Hold down ◀◀ or ▶▶ and then release it.

– Skips to the beginning of a track. Press ◀◀ or ▶▶ repeatedly.

REPEAT/MODE – Repeats a single track or all tracks. Select as follows.

◁ 1 : A single track is played repeatedly. Select a track with ◀◀ or ▶▶.

◁ : All tracks are played repeatedly.

After listening, select TAPE/◊STANDBY with FUNCTION to turn the power off.

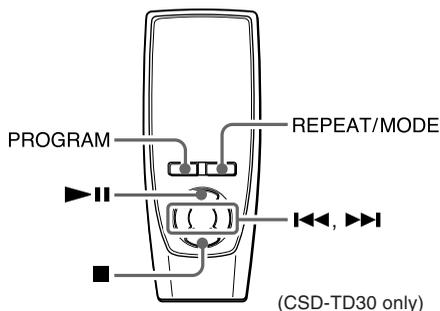
NOTE

- Do not use irregular shape CDs (example: heart-shaped, octagonal ones). It may result in malfunctions.
- Do not place more than one disc in the disc compartment.
- Do not try to open the disc compartment during play.
- Do not touch the lens. Doing so may cause malfunctions.
- The unit may not play a CD-R disc that is recorded on personal computers or some kinds of CD-R recorders because of differences in recording platforms.
- Do not attach any seal or label to either side (the recordable side or the labeled side) of a CD-R disc. It may cause malfunction.
- Do not load an unrecorded CD-R disc. It will take over 30 seconds to read the disc. The disc may be damaged if you try to open the disc compartment while reading the disc.

Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard.

Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.



Specifications

Radio section

Frequency range, antenna – FM: 87.5 - 108.0 MHz Rod antenna, AM: 530/531 - 1,710/1,602 kHz (10/9 kHz step) Ferrite bar antenna

Deck section

Track format – 4 tracks, 2 channels / Frequency range – Normal tape: 50 - 12,500 Hz (JEITA) / Recording system – AC bias / Erasing system – Magnet erase / Heads – Recording/playback head (1), Erasure head (1)

CD player section

Disc – Compact disc / Scanning method – Non-contact optical scanner (semiconductor laser) /

Laser diode properties –

Material: GaAlAs

Wavelength: $\lambda = 780 \text{ nm}$

Emission duration: Continuous

Laser output: Less than 44.6 μW (This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

General

Speaker – 100 mm cone type (2) / Power output – 2 W + 2 W (JEITA 8 ohms, T.H.D. 10% DC) / Power requirements – DC 12 V using eight size C (R14) batteries, AC 120 V, 60 Hz / Power consumption – 12 W / Dimensions (W x H x D) – 390 x 170 x 258.5 mm (15³/₈ x 6³/₄ x 10¹/₄ in.) / Weight (excluding batteries) – 2.7 kg (5 lbs. 15 oz.) / Accessory – Remote control (1, CSD-TD30 only), AC cord (1)

Specifications and external appearance are subject to change without notice.

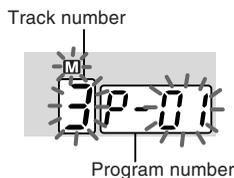
COPYRIGHT

Please check the copyright laws relating to recordings from disc, radio or external tape for the country in which the machine is being used.

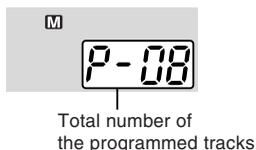
PROGRAMMED PLAY

Up to 16 tracks can be programmed from the disc.

- 1** In stop mode, press **PROGRAM**.
- 2** Press **◀◀**, **▶▶** to select a track, then press **PROGRAM** to store it.



- 3** Repeat step 2 to program other tracks.
- 4** Press **■** to finish the program.



- 5** Press **▶▶** to start play.

To check the program, press **◀◀** or **▶▶** in stop mode.

To clear the program, hold down **PROGRAM** in stop mode until the display changes.

To change the programmed tracks, clear the program and repeat all the steps again.

If an erroneous display or malfunction occurs

Select CD function first. Hold down **■** and press **▶▶**. If the unit cannot be reset in the way above, disconnect the AC cord and remove all the batteries to turn off the display.

Leave the unit for a while and turn the power back on.

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.

CAUTION

Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

This Class B digital apparatus complies with Canadian ICES-003.

REMARQUE

Cet appareil a été testé et jugé conforme aux limites des appareils numériques de Classe B, conformément à la Partie 15 des Règles FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences néfastes dans une installation résidentielle.

Cet appareil produit, utilise et peut rayonner une énergie de fréquence radio et, s'il n'est pas installé et utilisé conformément aux instructions, peut provoquer des interférences gênantes pour les communications radio. Mais rien ne garantit qu'une telle interférence ne se produira pas dans une installation particulière. Si cet appareil produit des interférences gênantes pour la réception radio ou de télévision, ce qui peut se déterminer en allumant et éteignant l'appareil, il est recommandé à l'utilisateur d'essayer de corriger cette interférence en appliquant une ou plusieurs des méthodes ci-dessous.

- ... Réorientation ou déplacement de l'antenne réceptrice.
- ... Eloignement de l'appareil du récepteur.
- ... Raccordement de l'appareil à une prise d'un circuit différent de celui du récepteur.
- ... Consultez le revendeur ou un technicien radio/télévision expérimenté.

PRÉCAUTION

Les modifications ou ajustements de ce produit, non expressément approuvés par le fabricant, peuvent invalider le droit ou l'autorité de l'utilisateur à utiliser ce produit.

ATTENTION

POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.