

# SX SPEAKER

PRODUCT GUIDE

SXSPKR

VSSL™

SET YOUR MUSIC FREE™

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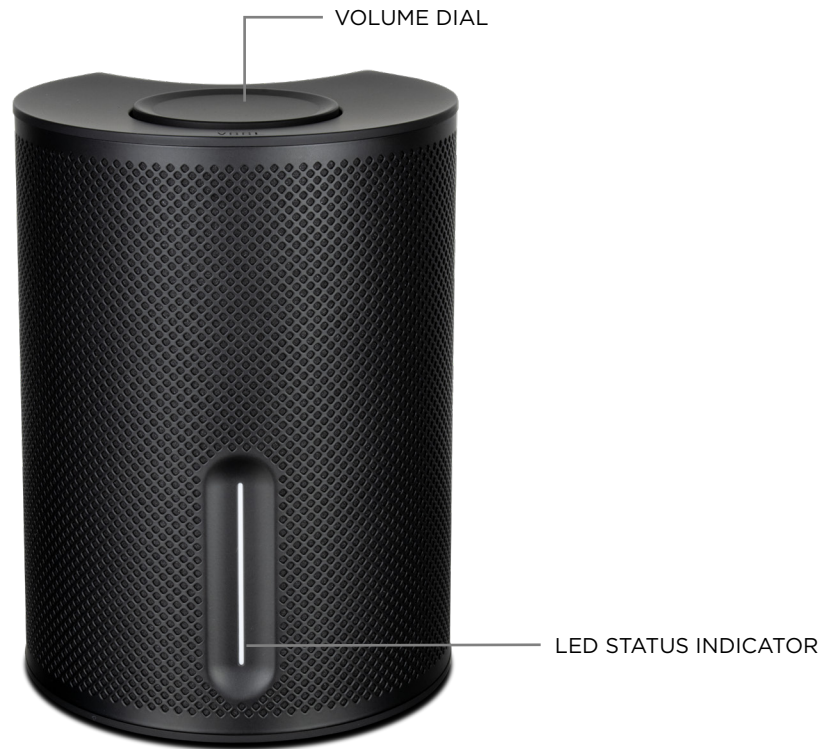
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# PRODUCT OVERVIEW

FRONT

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LED Status Indicator

Indicates the status of the speaker. See the Device Status section for more details

Volume Dial

Adjusts the volume of the speaker. Pressing down pauses the audio while listening to music.



Pairing Button	For use only if setting up when high-speed Wi-Fi is not available. See Offline Pairing Instructions.
Reset Button	Use a SIM card tool or paper clip to restart the device. Hold for 10 seconds to restore to its factory settings.
Mounting Thread	For connecting to universal mounting solutions. Size: 1/4"-20.
Ethernet Ports	Optional for connecting via wired ethernet cable.
Power Connection	Power supply for SX Speaker

**ACCESSORIES**

Power Cord	Standard 2-prong power adapter for the U.S.
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## 1. PREP YOUR NETWORK

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### Network Topography Suggestions

- Internet - For all VSSL devices to function properly, a high-speed wired internet connection (such as cable, fiber or DSL) is required.
- Wi-Fi router - For all VSSL devices to work with your wireless phone, tablet, laptop or desktop computer, you must have a wireless router or wireless access point installed.
- Access point controller - In homes with access points, it is recommended that an AP controller be present.
- Network Topography - When hardwiring, all VSSL devices should be placed as far downstream from the router, switch, and access points as possible. In homes with a switch, ensure the switch is placed downstream from the router.

### General Router Settings

Every router is different and might require settings adjustments in order for VSSL's streaming services to function correctly and efficiently. To configure your router, it's important to consult the manual that corresponds with your exact router model. Most modern routers provide an administration control panel that can be accessed through your web browser. Once any settings have been changed within the network, ensure that the network is fully powered down and restarted. Also, ensure that your SX Speaker has been restarted after any of the following network setting suggestions have been applied:

- Ensure the router has the most up-to-date firmware installed.
- Avoid Double NAT when using 3rd party router/mesh system by placing the ISP router in "Bridge Mode" (e.g., Google, eero).
- Ensure that the ethernet (patch) cable is fully functional. Note: ethernet cables commonly degrade over time.
- Separate the 2.4GHz and 5GHz Wi-Fi bands and ensure that they maintain different SSID's.
- Enable "UPnP" (Universal Plug and Play).
- When using access points, disable "AP Isolation" or "Client Isolation".
- Enable "Multicasting" (multicast terminology differs between manufacturers).
- Disable "IPv6" and only use "IPv4".
- Enable "IGMP" (Internet Group Management Protocol).
- When using Apple devices, enable "Bonjour" or "ZeroConf Discovery".
- Ensure managed switches and access point controllers follow the same network topography suggestions as detailed above.
- See more router-specific suggestions at [vssl.com/support](http://vssl.com/support).

## 2. PLAN YOUR AUDIO SYSTEM

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Your SX Speaker has the versatility to connect to your high-speed network either via ethernet cable or wirelessly. Choose which setup works best for your home.

## 3. INSTALLATION OPTIONS

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**Tabletop** - Ensure the location has adequate ventilation and is placed at least 10 feet away from other IoT devices.

**Wall Mount** - Each SX Speaker includes a 1/4"-20 thread on the back, which makes it compatible with any universal speaker mounts. Be sure to use mounts which are indicated for speakers heavier than 4.5 pounds.

## 4. DOWNLOAD THE VSSL APP

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Once you're ready to set up your SX Speaker, download the VSSL app from the app store on your mobile device. Open the app and we'll guide you through connecting and setting up your VSSL devices.



## PLAYING MUSIC

Listening to music with VSSL is easy. Just play music in your favorite music streaming app, choose your preferred streaming method, and select the zone(s) to play to.

### AIRPLAY2®


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Use AirPlay 2 to stream music, podcasts, radio and more directly from your favorite apps to your SX Speaker. With AirPlay 2, you're in control of your audio. If you have more than one VSSL zone, you can enjoy your favorite music or podcasts throughout your home — in perfect sync. You can even play different songs in different rooms.

### GOOGLE CAST

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Google Cast is a platform that allows you to cast your favorite music from your phone, tablet or laptop right to your speakers. Easily control your speakers with apps you already know and love from your iPhone®, iPad®, Android phone or tablet, Mac® or Windows® laptop, or Chromebook.

With Google Cast already built into your SX Speaker, your phone becomes your remote. Simply tap the Cast button  from the app to stream (music, tunes, podcasts, or playlists) from your phone, tablet or laptop to your SX Speaker.

**Note:** Go to the Google Cast website for a full list of Google Cast-enabled apps.  
<https://www.google.com/cast/apps>

For configuring groups and volume control of Google Cast sessions, you must use the Google Home app. The Google Home app is available on iOS and Android.

### SPOTIFY CONNECT

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Use your phone, tablet or computer as a remote control for Spotify. Go to [spotify.com/connect](https://spotify.com/connect) to learn more.

**Note:** The Spotify software is subject to third party licenses found here:  
[www.spotify.com/connect/third-party-licenses](https://www.spotify.com/connect/third-party-licenses)

## PAIRED MODE

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When paired with SX Subwoofers and SX Speakers, your SX Soundbar is equipped with wireless technology to produce Dolby Digital surround sound. Simply follow the directions within the VSSL app to pair products together. When listening to music, the paired SX devices will appear as a single zone of audio instead of multiple, separate zones of audio.

## BLUETOOTH

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Your SX Speaker is equipped with Bluetooth. While streaming via Wi-Fi is highly recommended, (better audio quality, range, and multi-room ability), the SX Speaker can be discovered and connected over Bluetooth. Enter the speaker's settings in the VSSL app, select Bluetooth, ensure the setting is enabled, then click "Start Bluetooth Pairing." When not connected to Wi-Fi, single tap the pair button on the back panel of the speaker to begin Bluetooth pairing.

## LOCAL MUSIC LIBRARY

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For local music you can use any DLNA, Google Cast, Alexa, or AirPlay-based streaming app to play content to your SX Speaker. You can also use these apps to access local music from a NAS drive.

## CONNECTING THE SX SUBWOOFER

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The SX Subwoofer is a great way to add more bass to your VSSL SX system. To connect to the SX Subwoofer, simply use the VSSL app to pair your SX Subwoofer to your SX Speaker and ensure the SX Speaker and SX Subwoofer are assigned to the same SX Zone.

## OFFLINE MODE

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While high-speed Wi-Fi provides the best experience for configuring and using SX Series devices, you can still listen to music via Bluetooth in locations where Wi-Fi isn't available. Setup through the app can be bypassed temporarily until the speaker is power cycled again. An SX Subwoofer can also be paired wirelessly without Wi-Fi.

**Listening to Music** - To listen to music via Bluetooth, single tap the pair button and the speaker will then be available on your device's Bluetooth menu.

**Pairing a Subwoofer** - To wirelessly pair the SX Subwoofer to the SX Speaker without Wi-Fi, double tap the pair button on the back of the speaker and single tap the pair button on the back of the SX Subwoofer within 60 seconds of each other. Both LED's will blink green momentarily while pairing. If the operation times out, simply try again.



## INITIAL SETUP

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When your SX speaker is plugged into power, the VSSL app will automatically recognize your device and initiate setup. Simply follow the prompts to connect the SX Speaker to your Wi-Fi network, choose how you want to stream music, and pair to other SX devices.

## PLAYBACK & VOLUME CONTROL

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Upon entering the app each time, you will be directed to a list of available zones on your Wi-Fi network. From this screen, you may quickly adjust the volume of each zone.

## CONFIGURATION SETTINGS

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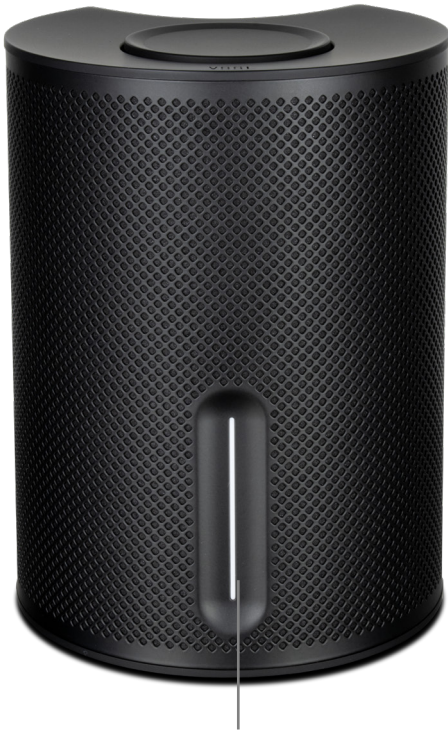
**EQ Settings** - Increase or decrease the bass and treble tones to your preference.

**Default On Volume** - When enabled, automatically reverts to the determined volume level when initiating a new audio session.

**Limit Max Volume** - You can set volume limits on your SX Soundbar by adjusting the max volume slider. This feature is especially helpful in environments with children and sound-sensitive users.

**Status Lights** - The LED light bar on the front of the SX Soundbar can be disabled completely if it becomes distracting.

## DEVICE STATUS



LED STATUS INDICATOR

### DEVICE STATUS INDICATOR

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Pulsing White	The device is booting up.
Pulsing Blue	The device is ready to be set up.
Solid Blue	The device has been set up.
Pulsing Yellow	The device is completing a factory reset.
Flashing Green	The device is attempting to pair to another SX device.
Flashing Blue	The device is in Bluetooth pairing mode.
Flashing Pink	The device is receiving a firmware update.
Solid White Bar	A new audio source has been detected.
Center of Bar Solid White	The volume is changing.
Flashing Turquoise	The device is signaling to be identified

### BOOT UP

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During boot up, the LED status indicator will pulse white for 30-40 seconds. Once the SX Speaker is ready to be set up, the status indicator will pulse blue.

### POWER MODES

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The SX Speaker automatically enters into a low-power standby mode 10 minutes after a stream has been paused or ended. The speaker automatically exits low-power mode when a new stream is started.

**Note:** The SX Speaker is equipped with the HiNA functionality of a network switch and is therefore classified as a networking device providing network availability and network switching when operational.

### SOFTWARE UPDATES

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Your SX Speaker checks for updates automatically on a daily basis. This ensures delivery of important updates and will keep your VSSL device running efficiently. During system updates the light bar will pulse pink.

## VSSL APP SPINS

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When opening the app, the screen spins and cannot find a zone.

1. Make sure your phone, tablet, or computer is connected to the same network as the SX Speaker. If the application device is having trouble connecting to the internet, no VSSL devices will appear in the app.
2. If the zone status indicators are blinking white, your SX Speaker requires setup in the VSSL app.
3. Visit [vssl.com/knowledgebase/vssl-networking-support/](https://vssl.com/knowledgebase/vssl-networking-support/) and make the following adjustments to your network with the help of your Internet Service Provider.
4. Reboot your network.
5. Perform a factory reset by holding in the reset button for at least 10 seconds.

## MISSING DEVICE

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You cannot see your zone within the music streaming app.

1. Ensure the SX Speaker is powered on by checking the power indicator light.
2. Temporarily connect your SX Speaker to the internet via ethernet cable.
3. Check your internet connection.
4. Make sure the application device is connected to the same network as the SX Speaker.
5. If the zone status indicators are blinking white, your SX Speaker requires setup in the VSSL app.
6. Perform a factory reset by holding in the reset button for at least 10 seconds.

## CAN'T CONNECT TO A ZONE

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You can see your zone within the music streaming app but cannot establish a connection.

1. Reboot your SX Speaker by unplugging and re-plugging in the power cord.
2. Perform a factory reset from the app or hold in the reset button for at least 10 seconds.
3. Visit [vssl.com/knowledgebase/vssl-networking-support/](https://vssl.com/knowledgebase/vssl-networking-support/) and make the following adjustments to your network with the help of your Internet Service Provider.
4. Reboot your network. Once your network is running again, reboot your SX Speaker.

## NO MUSIC OUTPUT

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You are able to connect/play to your zone, but no music can be heard from the speakers.

1. Check your speaker connections.
2. Open the VSSL app to make sure the zone you're playing to is not muted and the volume is turned up high enough to hear.
3. Try different streaming protocols (AirPlay 2, Google Cast, and Spotify Connect) within different music streaming apps.
4. Perform a factory reset from the app or hold in the reset button for at least 10 seconds.

## TROUBLESHOOTING

### MUSIC STOPS

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Your music intermittently stops on its own and/or the zone disconnects from the device.

1. Close and restart the music app that was being used when the music stopped.
2. Try reducing wireless interference by moving the source device and SX Speaker closer to the Wi-Fi router or access point.
3. Try different streaming protocols (AirPlay 2, Google Cast, and Spotify Connect) within different music apps in order to isolate the issue.
4. Check the music service's online site to find reports of possible service outage.
5. Visit [vssl.com/knowledgebase/vssl-networking-support/](https://vssl.com/knowledgebase/vssl-networking-support/) and make the following adjustments to your network with the help of your Internet Service Provider.
6. Reboot your network.
7. Perform a factory reset from the app or holding in the reset button for at least 10 seconds.

### INDICATOR LIGHTS ARE DEAD

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Even after booting up, neither power nor zone indicator lights turn on.

1. Ensure the power cord is fully inserted into the back of the SX Speaker.
2. Open the VSSL app, enter the settings section, and disable DARK MODE.
3. Perform a factory reset from the app or holding in the reset button for at least 10 seconds.

### GOOGLE HOME APP CANNOT FIND ZONE TO SET UP

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While attempting to setup in Google Home, the SX Speaker cannot find available zones.

1. Ensure the SX Speaker is powered on by checking the power indicator light.
2. Temporarily connect your SX Speaker to the internet via ethernet cable.
3. Check your internet connection.
4. Make sure the application device is connected to the same network as the SX Speaker.
5. Perform a factory reset from the app or holding in the reset button for at least 10 seconds.

### MY STREAMING APP IS FROZEN WITH MUSIC PLAYING

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1. Hard close and restart the app on your application device.
2. Reboot your SX Speaker from the VSSL app or by unplugging and re-plugging in the power cord.

**Note:** For more support and other questions please visit, [vssl.com/support](https://vssl.com/support)

## SPECIFICATIONS

Speaker:	Wide dispersion BMR
Woofer:	4" Active down-firing
Stereo Pair:	Turn two speakers into separate left and right channel speakers
Group Audio:	Combine up to 8 speakers + subs for a single zone of audio
Home Theater:	Add two or four SX Speakers as surrounds to an SX Soundbar
Stream:	Compatible with Airplay 2, Google Cast, and Spotify Connect
Voice:	Compatible with Siri and Google Assistant
Wireless Connectivity:	Connects to Wi-Fi network with any 802.11 a/b/g/n, 2.4 or 5GHz broadcast-capable router
Equalization:	Advanced EQ settings
Ethernet Ports:	(2) 10/100 Mbps Ethernet ports
Power Supply:	Auto-switching 100-240V ~50-60Hz AC universal input
Weight:	4.6lbs
Dimensions:	H: 7.95" (202mm) x W: 5.70" (145mm) x D: 5.86" (149mm)
Operating Temperature:	32° to 104°F (0°-40° C)
Multiple Orientations:	Tabletop or wall mounted with 0.25"-20 thread universal mount

## WARRANTY INFORMATION

All VSSL branded products have a limited one (1) year warranty. The VSSL Product Warranty covers defects in materials and workmanship in every VSSL product for one (1) year from the date of shipment from VSSL or the date of the original retail purchase from an authorized VSSL Dealer. The VSSL Product Warranty will cover the cost of parts and repair labor on all products deemed to be defective by Soundvision Technologies. The VSSL Product Warranty does not guarantee that VSSL products will at all times operate without interruption or will be error-free, or that all errors may be corrected. The warranty is non-transferrable and extends only to the original purchaser of the product and not to any subsequent owner.

Soundvision Technologies' obligation under this warranty is limited to repairing or replacing any component found defective in material or workmanship under normal conditions of use with an equal and/or current product. Products to be repaired or returned under this warranty must be returned to VSSL through an authorized VSSL dealer with all transportation and insurance charges prepaid. The warranty period is not extended if we repair or replace your product. An extended warranty is available for purchase on all VSSL products.

There are some exclusions to the VSSL Product Warranty, including but not limited to:

- Products which have been abused, modified, or disassembled;
- Problems that result from external causes such as accident, abuse or misuse;
- Use that is not in accordance with VSSL product instructions;
- Products with missing or altered serial numbers;
- Products which have had their housings opened or are otherwise tampered with; or
- Problems caused by using third party accessories, parts, or components.

For more information on the standard and extended warranties, visit [vssl.com/pages/warranty](http://vssl.com/pages/warranty)

## IMPORTANT SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not bypass the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as; power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.




### WARNING

- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- An appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Please always keep at least 20cm away from this device.

## EU REGULATORY CONFORMANCE

According to Article 10 (10) of Directive 2014/53/EU, the packaging shows that this radio equipment will be subject to some restrictions when placed on the market in Belgium (BE), Bulgaria (BG), the Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Italy (IT), Cyprus (CY), Latvia (LV), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE), the United Kingdom (UK), Turkey (TR), Norway (NO), Switzerland (CH), Iceland (IS), and Liechtenstein (LI). The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

				
BE	BG	CZ	DK	DE
EE	IE	EL	ES	FR
IT	CY	LV	LU	HU
MT	NL	AT	PL	PT
RO	SI	SK	FI	SE
UK	TR	NO	CH	IS
LI				

## FCC 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.

Cet appareil est conforme à la section 15 des réglementations de la FCC. Le fonctionnement de l'appareil est sujet aux deux conditions suivantes :

- (1) cet appareil ne doit pas provoquer d'interférences néfastes, et
- (2) cet appareil doit tolérer les interférences reçues, y compris celles qui risquent de provoquer un fonctionnement indésirable.

Note: This product 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 product 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 product 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.

Please take attention that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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'Industrie Canada applicables aux appareils radioexempts 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.