

# Arylic

## LP20

User's Manual



## Wireless Music Streamer





# Table of Contents

1. Introduction .....	01
2. What's in the box .....	02
3. Interface .....	03
3.1. Knob Control .....	03
3.2. IR Sensor .....	03
3.3. Ambient Lighting Indicator Status .....	04
3.4. Reset Button .....	05
4. Connection Diagram .....	06
5. IR Remote Controller .....	11
6. Streaming Setup .....	13
6.1 WiFi Pairing .....	13
6.2. AirPlay Configuration .....	13
6.3. Google Cast Multiroom Configuration .....	14
6.4. Spotify Connect .....	14
6.5. TIDAL Connect .....	14
6.6. LAN Connection .....	14
7. Bluetooth Connection .....	15
7.1. Bluetooth Reception .....	15
7.2. Bluetooth Transmission Mode .....	16
8. GO CONTROL APP .....	18
8.1. Restore To Factory Settings .....	18
8.2. Firmware Update .....	18
9. Specification .....	19
10. Warranty & Service .....	20
11. Legal Notice .....	21

## 1. Introduction

LP20 is a wireless music streamer with multiple streaming options, including AirPlay 2, Google Cast, Spotify connect, and TIDAL Connect, which enables wireless music control and multiroom/multizone streaming. It features optical input and output, analog input and output, coax output, subwoofer out. It is a robust streaming solution to add wireless streaming to your existing home audio system.

## Before You Go

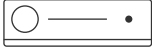
**"Please read the following instructions carefully before setting up the LP20 Wireless Music Streamer."**

- Be careful not to drop the device to avoid internal damage.
- Do not disassemble the device.
- Keep magnetic materials away from the device to prevent any damage to the device.
- Do not expose devices to oil, dust, water, high humidity or smoke.
- When cleaning, use only soft cloth. Keep out of contact with water or other liquids.
- All servicing must be performed by a qualified representative or the warranty will be voided.
- Unplug power cord during severe lightning storms or when unused for a long period of time.
- Do not turn off power during firmware update, the device might brick.

## Positioning

- Place your device on a flat, horizontal, and stable surface.
- Keep away from heat sources, such as radiators.

## 2. What's in the box



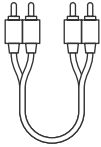
Main Unit x1



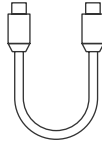
User's Manual x1



Power Adapter x1



RCA Audio Cable  
(2x RCA to 2x RCA) x1

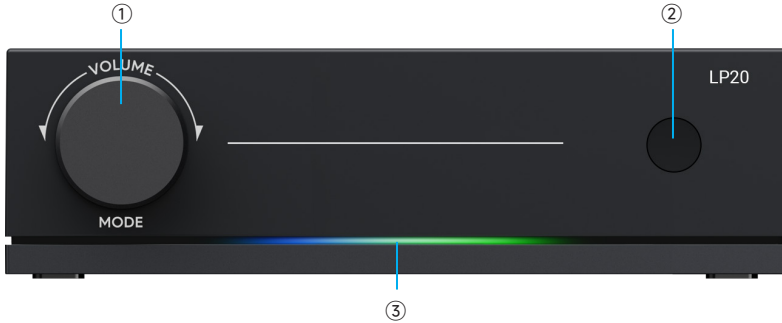


USB Type-C Cable x1



IR Remote Controller x1

### 3. Interface



#### 3.1. Knob Control

##### ① Rotary Knob Control

- Rotate right/left to increase/decrease volume.
- Short press to switch input sources or power on the device.
- Long press power off the device.

#### 3.2. IR Sensor

##### ② IR Sensor

The IR sensor allows you to use Arylic IR remote controller, please note strong white light and obstructions may interfere with infrared signal reception. Ensure the infrared receiver panel remains clean and unobstructed for optimal performance.

### 3.3. Ambient Lighting Indicator Status

③ Ambient lighting Indicates current status/input source.

- Breathing: No signal input.
- Solid: Connected
- Dim light: The device enters standby mode when there is no signal input for a while.

▬ White: WiFi/network mode.

When the white light is pulsating outward and inward from the center, the device is booting.

When the white light is scrolling from left to right, the device is setting up network or connecting.

When the light breathes, switching between bright and dim. There is no network connection.

▬ Blue: Bluetooth mode. When the blue light is scrolling horizontally, the Bluetooth is waiting for pairing.

▬ Green: Line input mode.

▬ Yellow: Optical input mode.

▬ Red: USB Disk input mode. When the red light is blinking (Quick flashing), there is a system error.  
Please power cycle the device to resolve the issue.

▬ Magenta: USB DAC input mode.

• Bluetooth Transmitter Mode:

Waiting for Pairing: The input source light and blue light split evenly and flashing (Slow blinking).

Connecting: The light is scrolling from left to right

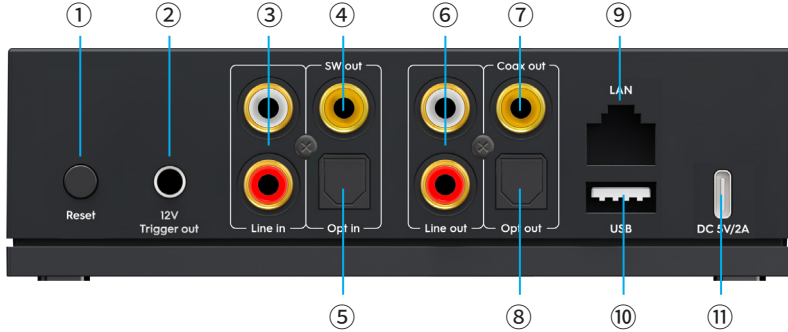
Connection successful: The input source light and solid blue light split evenly ex: 

• Other Status:

▬ Add Volume: The white display bar increases to the right.

Reduce Volume: The white display bar decreases to the left.

Mute State: Flashing white volume bar.



### 3.4. Reset Button

#### ① Reset Button

- Short Press Once:

a. When in source input mode, press once to enable Bluetooth transmitter connection and disconnect when connected.

b. When in Bluetooth mode, press once to activate the Bluetooth pairing mode. When Bluetooth is connected, press once to disable Bluetooth connection.

- Short Press Twice:

In any mode, press twice to activate WiFi pairing mode.

- Press and hold:

Press and hold the button to do factory reset.

② Trigger out: 12V trigger output connects to your amplifier or other device with a 12V trigger input.

③ Line in: For connection to device with line output.

④ Subwoofer out: For connection to active subwoofer.

⑤ Optical in: For connection to device with optical output.

⑥ Line out: For connection to amplifier, active speaker or device with line input.

⑦ Coaxial out: For connection to device with coaxial output.

⑧ Optical out: For connection to soundbar, amplifier or device with optical input.

⑨ LAN port: RJ45 wired connection to router.

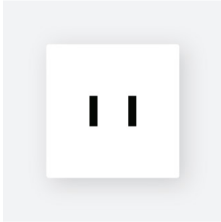
⑩ USB port: To connect USB flash drive for music file playback.

⑪ USB Type-C: 5V/2A DC input and PC DAC

## 4. Connection Diagram

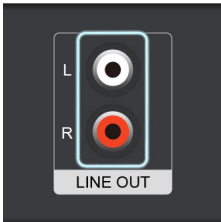
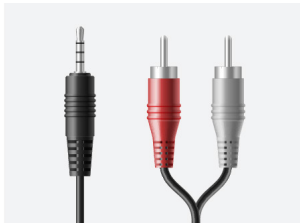
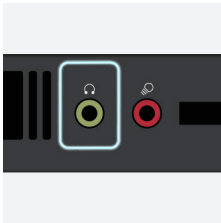
### 4.1. Connect to Power

Please use the provided power adapter and cable to power up your LP20.



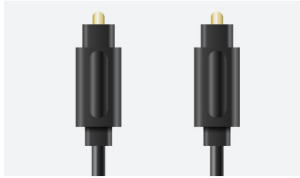
### 4.2. Line In

Connect from CD player, TV, computer any playback device with audio out/Line out/AUX out to Line in using an RCA cable.



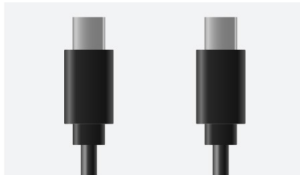
### 4.3 Optical In

Connect from TV or any playback device with optical out to optical in using an optical cable.



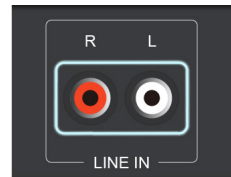
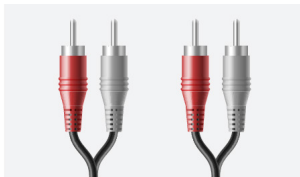
### 4.4. PC DAC

Connect from your PC or laptop for play high quality audio using a data type-c cable.



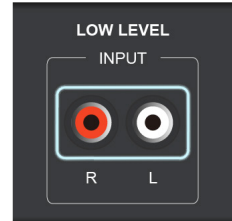
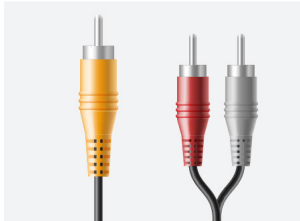
### 4.5. Line Out

Use RCA cables to connect the device to your active speakers, amplifier or other device with line input.



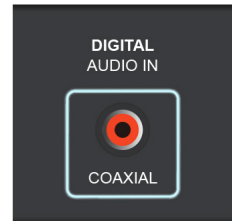
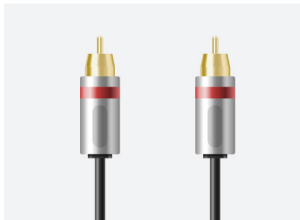
## 4.6. Subwoofer out

Use RCA cables to connect the device to your active subwoofer.



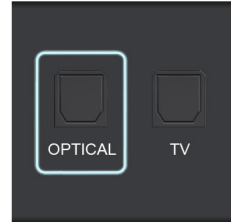
## 4.7. Coaxial Out

Use coaxial cable to connect the device to your amplifier or other device with coaxial input.



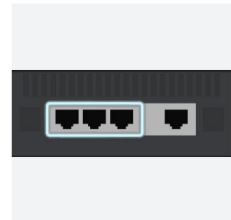
## 4.8. Optical Out

Use optical cable to connect the device to your soundbar, amplifier or other device with optical input.



## 4.9. LAN Connection

Connect to your router directly for better network performance and stability.



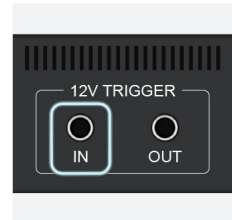
## 4.10. USB Disk Drive

Plug in USB disk drive to the USB Host to play music.

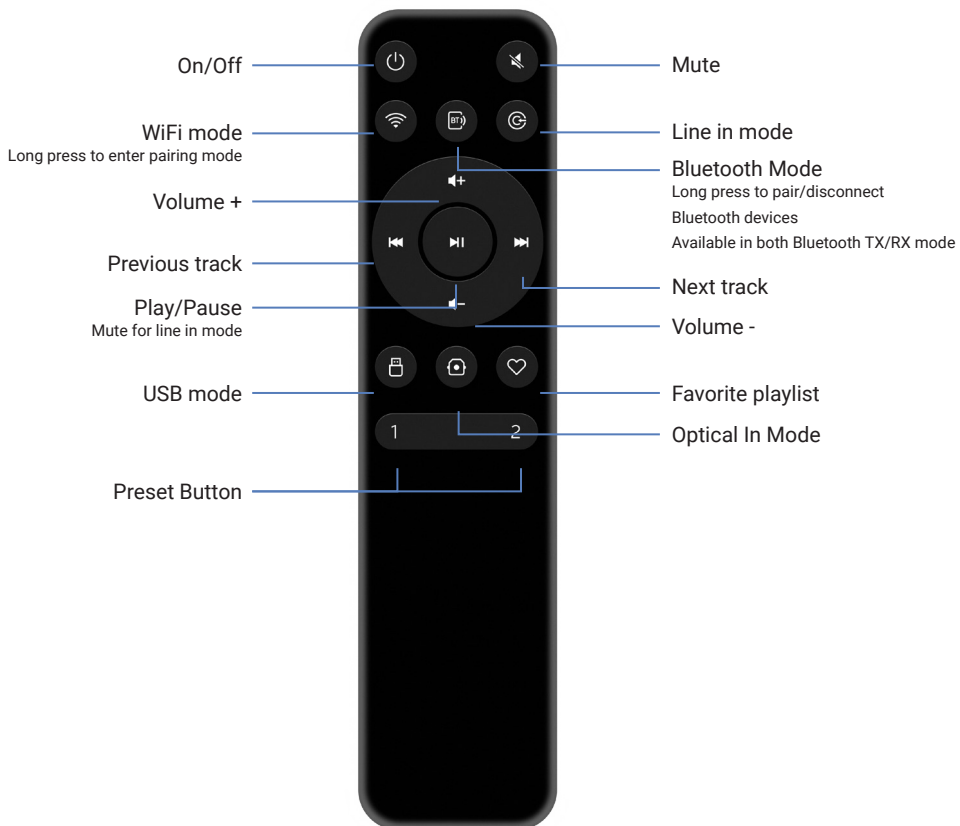


## 4.11. 12V Trigger Out

Connect to your amplifier or other device with a 12V trigger input using a 3.5mm audio cable.



## 5. Remote Controller



## 5.1. More Functions

Press and hold the keys below for 2 seconds to activate the functions.

Key	Function
Power	Restore to factory settings
Volume +/-	Continue adding/decreasing volume
WiFi	Pair to new network
	Pair/disconnect Bluetooth devices

## 6. Streaming Setup

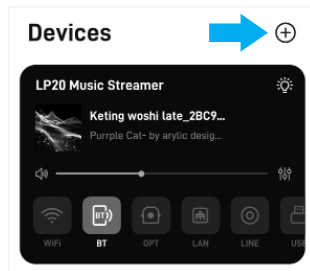
### 6.1. WiFi Pairing



1. Power Up LP20.



2. The LP20 light indicator will breathe with white light. In this state, you can begin the pairing process.

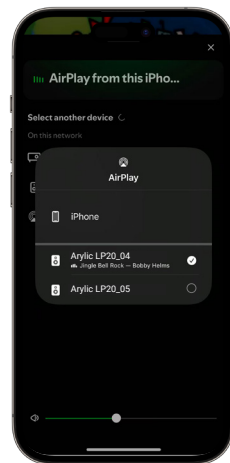


3. Download "GO CONTROL APP" and click "+" and follow the instructions to add the device.

### 6.2. AirPlay Configuration

If you're an Apple user, you can pair the LP20 with your iPhone, iPad, HomePod, HomePod mini, or Apple TV on the same network.

Play your favorite audio content, such as music or podcasts, on the LP20 and other AirPlay-compatible systems in any room—with a tap or by simply asking Siri. Play a song in the living room and kitchen at the same time, or adjust the volume in any room, all in perfect sync.



### 6.3. Google Cast Multiroom Configuration

1. Make sure your playback device is on the same network as your device.
2. Open your Google Home app.
3. Tap Settings >Devices, groups & rooms >Speaker groups >Create speaker group.
4. Tap each device that you want to add to the group. A check(V) will appear next to each selected device.
5. Tap next enter a name for your group tap save.
6. From any Google Cast supported app, you can find the Google Cast symbol, if it is on the same network as your device. Simply press the logo and choose the group name for multiroom streaming.



### 6.4. Spotify Connect

Use your phone, tablet or computer as a remote control for Spotify.

Go to [spotify.com/connect](https://spotify.com/connect) to learn how. 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)



### 6.5. TIDAL Connect

1. Connect your device to your WiFi network.
2. Open up the TIDAL app on your phone, tablet using the same WiFi network.
3. Select a song and select Devices Available.
4. Select your device and start listening.



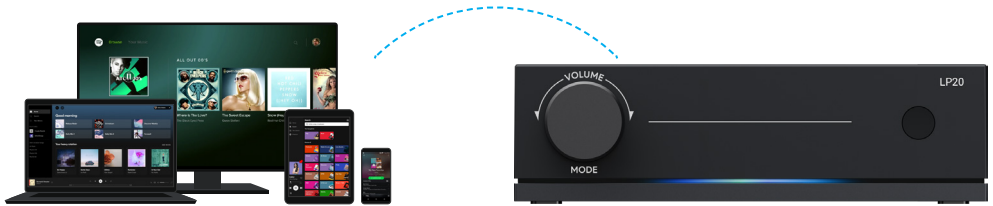
### 6.6. LAN Connection

Connect the LP20 directly to your router via an RJ45 LAN connection for better network performance and stability. We recommend using a LAN connection when setting up a group of over 10 devices. For connection, please refer to 4.9. LAN Connection on Page 9.

## 7. Bluetooth Connection

### 7.1. Bluetooth Reception

When in Bluetooth receiver mode, the blue ambient light will scroll horizontally, which indicates it is waiting for connection. On your BT transmitter device (Mobile Phone, Pad, Laptop, TV) you can search for a Bluetooth device name "Arylic LP20 XXXX" (XXXX is the serial number) and connect to it. Once connected, the blue ambient light will stay on which indicates the connection is successful and you can start playing music from the connected device and hear the sound coming out of the connected output device. The device will remember connected devices, it will auto connect to paired devices.



To disconnect the Bluetooth connection, press the Reset button once to disconnect the connection when in Bluetooth mode.

## 7.2. Bluetooth Transmission

To enable Bluetooth transmitter mode, once you are in one of the source input modes (WiFi, Line in, Optical in, USB disk drive) press the Reset button on the back to enable.

Once enabled, you will notice the LED will start flashing, the device will then search for nearby Bluetooth receiver device (Bluetooth Speakers, Headphones) and connect to it.



Please note, some BT receiver device might need you to enter pairing mode first, some BT receiver device might need to press a connection button to establish the connection. Please refer to the device user manual or contact the seller for advice if needed.



Once connected, the Bluetooth receiver device will output audio.

To disconnect the Bluetooth connection, press the Reset button once to disconnect the connection when in Bluetooth mode.

LP20 support transmitting to 1 Bluetooth speakers or Bluetooth headphones and 4 wired audio outputs (Line out, Optical out, Coaxial out, Subwoofer out) at the same time (You need to open the option in device settings in GO CONTROL APP).

\*The delay may vary due to the devices you connect with.



## 8. GO CONTROL APP

GO CONTROL APP is an app developed by Arylic team to control all Arylic devices. Download GO CONTROL APP.



### 8.1. Restore To Factory Settings



Do not turn off the power during restore factory settings, or the device will be damaged and will not work anymore.

There are two ways to restore your LP20 wireless music streamer.

1. Press and hold the reset button behind to do factory reset.
2. Open GO CONTROL APP>Click the device you want to do factory reset>Click settings on the top right>Click restore to factory settings.

\*Please note, all saved settings will be lost and returned to default settings.

### 8.2. Firmware Update

LP20 wireless music streamers support OTA firmware updates. This means you'll receive an update notification in the GO CONTROL APP when an update is available. Simply click Accept and follow the instructions to update your LP20 wireless music streamer.



Do not turn off the power during the update process or the device will be damaged and will not work anymore.

## 9. Specification

Network			
<b>Network Type</b>	802.11 b/g/n/ac		
<b>Frequency Range</b>	2.4GHz, 5GHz		
<b>Ethernet</b>	RJ45 single 10/100M		
<b>Streaming Protocols</b>	Google Cast, AirPlay2, TIDAL Connect, Spotify Connect		
Bluetooth			
<b>Bluetooth Standard</b>	V5.4		
<b>Bluetooth Distance</b>	15 m		
<b>Transmit</b>	SBC, AAC		
<b>Receive</b>	SBC, AAC		
Audio Spec			
<b>Sample Rate</b>	192kHz/24bit	SNR	>110dB
<b>THD+N</b>	<0.008%	Crosstalk	>100dB
<b>DAC</b>	AKM 4490	SRC	CT5302
<b>Frequency Response</b>	20Hz-20kHz (+/-1dB)		
Audio I/O			
<b>Audio Input</b>	Line in	Analog RCA, Max 2 Vrms input	
	Optical in	Up to 192kHz/24bit PCM only	
	USB Host	USB disk drive playback, support resume playback Storage format: Fat16, Fat32, exFAT, up to 128GB Support codec: mp3, mp4, wma, mov, m4a, aac, flac, ape	
	Type-C	USB DAC for Pc connection, Sample rate: 192kHz	
<b>Audio Output</b>	Line out	Analog RCA, Max 2 Vrms Output	
	Optical out	Up to 192kHz/24bit PCM only	
	Coxial out	Up to 192kHz/24bit PCM only	
	Subwoofer out	Max 3 Vrms output, Crossover frequency: 250Hz	
<b>Other</b>	Trigger out	12V	
General			
<b>Power Input</b>	Type C 5V/2A	<b>Dimensions</b>	148*148*43mm
<b>Volume Knob</b>	Mode, Volume +/-		
<b>In The Box</b>	Main Unit x1, IR Remote Control x1, Power Adapter x1, Type-c Charging Cable x1, 2-2 RCA Cable x1, User's Manual x1		

## 10. Warranty & Service

If you encounter any quality problems, product issues, or have other service inquiries, please contact us via online chat or email. The Arylic team is always happy to assist you!

### Contact Us

#### 1. Purchase from Arylic Official Online Store:

Online Chat: Monday to Friday, 9am. To 6pm.(HKT)

Email: [info@arylic.com](mailto:info@arylic.com), reply in one business day.

#### 2. Purchase from Arylic Amazon Stores

Amazon message: Monday to Friday, 9am. To 6pm.(HKT)

Amazon: [amazon@arylic.com](mailto:amazon@arylic.com), reply in one business day.

#### 3. Purchase from Arylic resellers

Please contact your seller directly for after-sale service.



12 Month warranty



30 Days Free Return



Smile Customer Support



 [www.arylic.com](http://www.arylic.com)



 [@Arylic Audio](https://www.youtube.com/@ArylicAudio)



 [@arylic\\_audio](https://www.instagram.com/arylic_audio)



 [ARYLIC](https://www.facebook.com/ARYLIC)

## 11. Legal Notice

### FCC Statement:

Federal Communication Commission (FCC) Radiation Exposure Statement.

When using the product, maintain a distance of 20 cm from the body to ensure compliance with RF exposure requirements.

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: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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 residential installations. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harm 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20 cm distance between the radiator and your body: Use only the supplied antenna.

#### Works with Apple AirPlay:

Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.

Apple, AirPlay, Apple Logo, Apple Home, Apple TV, HomePod, HomePod mini, iPad, iPad Air, and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries and regions. App Store is a service mark of Apple inc., registered in the U.S. and other countries.

To use AirPlay with LP20 the latest version of iOS, iPadOS or macOS is recommended.

#### Google Cast:

Google Cast is a trademark of Google LLC.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development (ISED) Canada's licence-exempt RSS(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.

The device has been evaluated to meet general RF exposure requirement.

The distance between user and products should be no less than 20cm.

Cet appareil contient des émetteurs/récepteurs exemptés de licence qui sont conformes aux flux RSS exempts de licence du Canada pour l'innovation, la Science et le développement économique (ISDE).

Le fonctionnement est soumis aux deux conditions suivantes: (1) ce dispositif ne peut pas causer d'interférence, et (2) ce dispositif doit accepter toute interférence, y compris les interférences pouvant causer un fonctionnement indésirable du dispositif.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF.

la distance entre l'utilisateur et les produits devraient être au moins 20 cm.





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