TSTPRH01, CÔR® 7

TSTWRH01 CÔR® 7C

RESIDENTIAL THERMOSTATS

Owner's Manual



Côr® 7 Series

ENERGY EFFICIENT, AT A TOUCH OF A BUTTON

Designed to be as smart and smart looking as any of the other electronics in your home, your new Côr 7 or Côr 7C thermostat offers programming options to fit your lifestyle. This unique state-of-the-art technology makes it easier than ever for you to keep your home comfortable. This manual will show you how easy it is to enjoy the newest experience in home comfort.

The Côr 7C thermostat model is a Wi-Fi connected device and can be remotely controlled by the free mobile app*. The Côr 7 series thermostats combines temperature and humidity control for added home comfort. They are 7-day, 5/2-day, 1-day programmable, wall-mounted and low-voltage controls. They have no need for batteries to store user-configured settings in memory. During power loss its internal memory saves settings for an unlimited time, and the clock continues to run for at least 12 hours.

When using the Côr thermostat programmable schedule you can customize your home's comfort for times you are home, sleeping or want to save energy while you're away with different heating and cooling setpoints and times. You can set your schedule for 4 periods per day or 2 periods per day. Programming the days of the week is simple and flexible. The Côr Thermostat features Touch-N-Go® on the thermostat and in the mobile app* for quick and easy temperature change without changing programming schedules.

* On an Android device go to the Play Store or on an Apple device go to the App Store. Search and Download the "Côr 5C/7C Thermostat" app. Thermostat must be connected to the internet and connected to a user account.

⚠ WARNING

This product can expose you to chemicals including Lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

⚠ AVERTISSEMENT

Ce produit peut vous exposer à des agents chimiques, y compris le plomb et les composés de plomb, identifiés par l'État de Californie comme pouvant causer le cancer et des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter www.P65Warnings.ca.gov

⚠ ADVERTENCIA

Este producto puede exponerlo a químicos que incluyen plomo y compuestos de plomo, los cuales son conocidos en el Estado de California como causantes de cáncer y defectos de nacimiento, u otros daños reproductivos. Para mayor información, visite www.P65Warnings.ca.gov

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Côr 7 or Côr 7C Thermostat Button Identification

BUTTON IDENTIFICATION

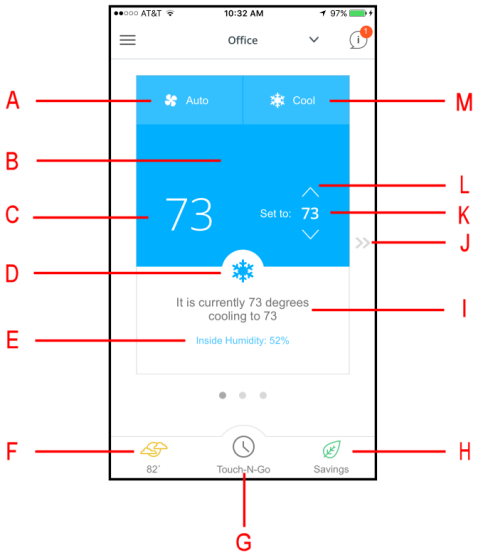
A. FAN (On or Auto)
B. Touch-N-Go®
C. Weather Icon*
D. Hold
E. View Menu Options (Schedule, Alerts, Settings, Wi-Fi®*)
F. Start Button - wakes up the screen from idle
G. Information button scrolls through available display options (Time, Weather*, etc.)
H. Active period (wake, away, home, sleep) and day of the week icon
I. Temperature adjustment (up/dn)
J. Indoor temperature
K. Change equipment mode (heat, cool, etc.)
L. Current equipment mode icon
M. Wi-Fi signal strength icon*

* Wi-Fi and Weather are only available on the Côr 7C

MOBILE APP OVERVIEW (for Wi-Fi models only)

With your Côr 7C or Côr 5C Wi-Fi thermostat, you can monitor your system anywhere there is a Wi-Fi® connection with the help of the Côr 5C/7C Thermostat app. The mobile app enables you to create and edit schedules, review energy reports and adjust temperature on the go. Use the app to adjust your comfort from anywhere in the home, or while you're away. Instantly see monthly estimated savings after completing your schedule. This allows you to determine if your settings meet your comfort and financial needs. The thermostats provide a monthly report on energy usage and comparison to prior months.

On an Android device go to the Play Store or on an Apple device go to the App Store. Search and Download the "Côr 5C/7C Thermostat" app. Thermostat must be connected to the internet and connected to a user account.



Mobile App Home Screen

Mobile app home screen identification

A. Fan mode selection.
   a. On – the fan operates continuously even if the system is not heating or cooling.
   b. Auto – the fan only operates when actively heating or cooling.
   c. Air Circulation – allows you to set the minimum number of minutes per hour that the fan runs even if the system is not heating or cooling.

B. The background color indicates the mode of operation.
   a. Blue = Cooling
   b. Orange = Heating
   c. Gray = Temperature Satisfied and system not running (fan may run during this time if set to On or Air Circulation needs to be satisfied).

C. Displays the room temperature.

D. Indicates the operating mode as an icon, same as item “M” text.

E. Indoor humidity level. Touch to go to humidity settings screen.

F. Outdoor weather. Touch for current weather.

G. Touch to go to the Touch-N-Go / Hold menu to set “Hold” method or resume schedule.

H. Savings – Touch to see your Scheduled Savings estimate based on your schedule versus a permanent hold of 72°F.

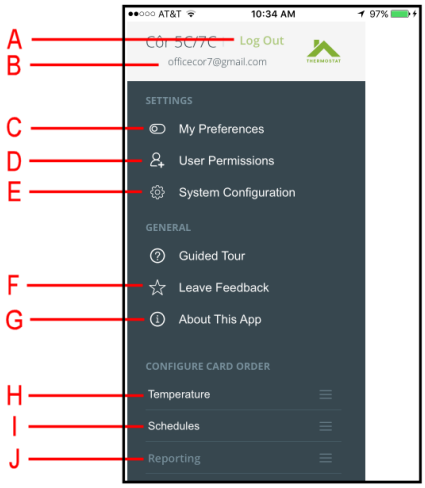
I. Statement of the current condition in the home and current system status. Heating, Cooling or Idle.

J. Arrows will take you to the next or prior screen. From the Home Screen the next is Schedule and the next after that is Reports.

K. Temperature the system will maintain in the home (set point).

L. Up and Down arrows to change the temperature set point.

M. System operating condition. Depending on the equipment installed you could have some or all of these modes:
   a. Cool – turns on the air conditioner
   b. Heat – turns on the heating (heat pump or gas furnace)
   c. Heat & Cool – will maintain the home between the desired heating and cooling setpoints by switching between the heat mode and cool mode automatically.
   d. Auxiliary Heat – will run just the auxiliary heat (electric strip heat or gas furnace depending on equipment installed)
   e. Off – turns the system off



System Menu Screen

Mobile app system menu screen identification

A. Logs you out of your account and takes you back to the login screen.

B. Shows your login ID which is also the email where you would receive a temporary password if you forget your password. (from the login screen).

C. My Preferences allow you to do things like set your alerts and reminders such as filter reminder and turn on/off high or low temperature alerts. Change temperature units from Fahrenheit or Celsius, or adjust thermostat screen brightness differently for each scheduled period (wake, away, home, sleep and active).

D. User permissions allow you to do things like request a new password, or edit your profile.

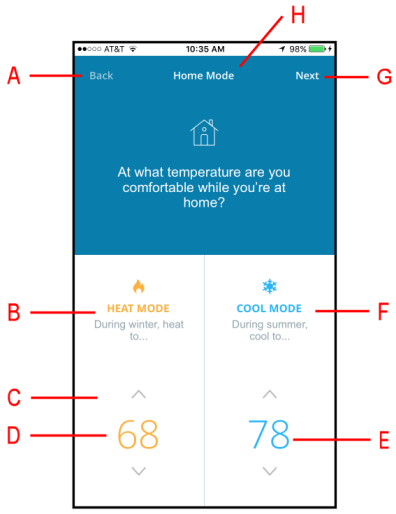
E. System configuration allow you to do things like select your hold preference (method for hold such as hold until I make a change, hold until date and time or hold until next scheduled period.

F. Leave feedback at the Google Play™ store or the Apple App Store®.

G. About this app displays the software version of the app and a link to the end user license agreement and privacy policy.

H. Temperature takes you back to the home screen showing the room temperature.

I. Schedules allow you to set or change your schedules as shown in the next section.



Schedule Screen

Schedule Screen Identification

This screen is the first screen in a guided menu when selecting schedule from the main menu.

A. Back button returns you back to the main menu
B. Heat mode setting for winter
C. Up Down arrows to change temperature setpoint
D. Heating temperature setpoint
E. Cooling temperature setpoint
F. Cool mode setting for summer
G. Next takes you to the next screen in the guided scheduling process
H. Title of the period your setting

The next button continues you through the guided schedule process to set your schedule up with temperatures and times.



Touch-N-Go Screen

Touch-N-Go identification

You touch the Touch-N-Go / Hold icon at the bottom center of the home screen in the app.

A. Cancel takes you back to the home screen.
B. Selecting Run Schedule will resume the schedule and cancels any hold when you select save.
C. Hold until I Make a Change is a permanent hold and will not resume the schedule until you make that selection.
D. Hold until date and time will allow you to pick the time your system goes back to the schedule. This can also be used as a vacation hold by setting the date and time you return home and your home will be back to the conditions you've selected in the schedule.
E. Hold Preference allows you to set the hold you want the thermostat to perform anytime you make a temperature change from the home screen.
F. Selecting one of the four schedule period icons will change the temperature to that period and hold the temperature based on the hold preference type you set (permanent, hold until date/time or hold until next schedule)
G. Edit mode takes you to the All Schedules screen to select the schedule(s) you wish to edit.
H. Save will save the selections you made on this screen and return you to the home screen.

There are many other features and settings you can customize in the mobile so please look around and enjoy the freedom to control your environment from anywhere in the home or when you're away.

QUICK START

Connecting your Côr 7C to Wi-Fi®

A. Using a Wi-Fi Smart Device (phone, tablet or laptop).

Simple Wi-Fi setup

After your Côr 7C Thermostat is installed you will need to connect the thermostat to your Wi-Fi network to receive local weather on the thermostat and to use the mobile app to control your homes comfort from anywhere. This is a simple process and will only take a few minutes using your iOS or Android Smart Device (Phone, Tablet) or a Wi-Fi laptop.

NOTE: You can scan for your network on the thermostat or manually enter the network from your smart device.

Scan for Wi-Fi network (Skip if you will enter manually):

If the MENU button is not visible Touch START.

1. On the thermostat press MENU.
2. Use the Up/Dn arrows until Wi-Fi is blinking. Touch SELECT.
3. Use the Up/Dn arrows until SCAN WIFI is blinking. Touch SELECT.
4. Use the Up/Dn arrows until your network is showing (this may take a minute to find all networks). Touch SELECT.



1. Menu Button
2. Up/Dn Arrows

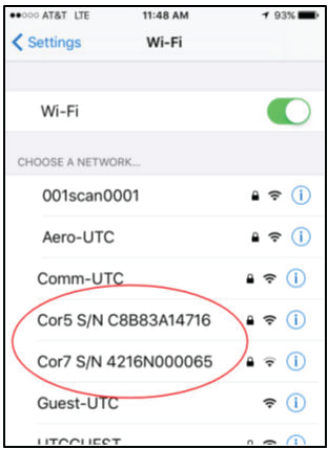
Set Setup-N-App MODE:

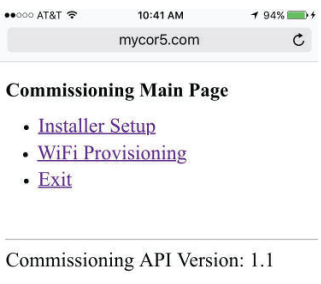
1. Use the down arrow until SETUP-N-APP is blinking. Touch SELECT.
2. Use the Up/Dn arrows until ENABLED is showing.
3. Touch START to return to the Home Screen.

Starting AP (Access Point) will be shown on the screen. The thermostat will be ready when it changes to AP Active.

Connect to the thermostat from your smart device:

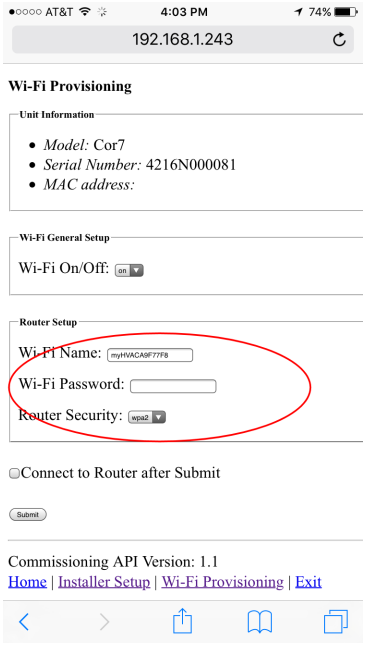
1. On your smart device go to the settings and search for Wi-Fi networks. For example on an iPhone go to settings > Wi-Fi then under "choose a network" find the network starting with Côr 7 and Serial Number. (example: COR7 S/N 1216N123456)
2. Enter password 12345678 if asked.
3. Once your device is connected to the Côr thermostat, open a web browser (such as Chrome or Safari) and in the address bar type the IP address: 192.168.1.243
4. This will open a web page on the thermostat that has the following options:
   a. Installer Setup
   b. Wi-Fi Provisioning
   c. Exit
5. Select Wi-Fi Provisioning to connect the thermostat to the internet for weather, energy management reports and other features available from the mobile app.





Wi-Fi Provisioning

1. If the network was selected from the scan list on the thermostat it will be in the box Wi-Fi name. If it's not there, enter your Wi-Fi network.
2. Enter your Wi-Fi password.
3. Typically you won't have to change Router Security but you can if needed.
4. Check the "Connect to Router after Submit" box.
5. Touch Submit button to finish setup and close the web page to begin connecting to the internet. This may take a few minutes.
6. The connection is complete once the Wi-Fi symbol at the top center of the screen has stopped blinking and is either partially or completely filled in (depending on Wi-Fi signal strength).



Enter the Zip/Postal Code for internet weather:

1. On the thermostat, Touch MENU.
2. Use the Up/Dn arrow until Wi-Fi is blinking. Touch SELECT.
3. Use the Up/Dn arrow until POSTAL CODE is blinking. Touch SELECT.
4. Use the Up/Dn arrow to change each number.
5. Touch NEXT to move to the next number.
6. Repeat until all numbers are entered.
7. Touch START to return to the Home Screen.

Weather is updated every 15 minutes. So it may take up to 15 minutes for the weather to show on the thermostat at the first time.

Congratulations! You have completely setup the Wi-Fi. You can now receive weather on the thermostat to connect through the mobile app, continue with Create User Account section to begin controlling your home comfort from anywhere.

On an Android device go to the Google Play™ store or on an Apple device go to the App Store®. Search and Download the "Côr 5C/7C Thermostat" app.

B. Connecting to Wi-Fi on the Thermostat

Scan for Wi-Fi network:

If the MENU button is not visible Touch START

1. On the thermostat press MENU.
2. Use the Up/Dn arrows until Wi-Fi is blinking. Touch SELECT.
3. Use the Up/Dn arrows until SCAN WIFI is blinking. Touch SELECT.
4. Use the Up/Dn arrows until your network is showing (this may take a minute to find all networks. Touch SELECT.
5. Use the Up/Dn arrows until WIFI PASSWD is blinking. Touch SELECT.
6. Use the Up/Dn arrows until CHANGE is blinking.Touch SELECT.
7. Use the Up/Dn arrows to scroll through the alphabet (lower case and Caps, special characters and numbers). Touch NEXT to move to the next character.
8. Use the Up/Dn arrows to scroll through the alphabet for the second character… repeat until completing the password.
9. When the password is spelled out press START to exit to the Home Screen.
10. The Wi-Fi symbol at the top of the screen will flash as it starts connecting then fill in partially or completely when connected (depending on Wi-Fi signal strength).
11. See "Enter the Zip/Postal Code for internet weather" section.

Download the Mobile App

On an Android device go to the Google Play™ Store or on an Apple device go to the App Store®. Search and Download the "Côr 5C/7C Thermostat" app.

Create a user account and associate the thermostat with the app

1. After a Wi-Fi connection has been established, it's time to create an account to connect your Côr 7C .
2. From an Android device go to the Google Play(TM) store or from an Apple device go to the App Store(R). Search and Download the "Côr 5C/7C Thermostat" app.
3. When you first open the app you will be on the login screen. Touch "Don't have an account? Create one now."
4. On the next screen Touch "My thermostat is already setup" below the Start Setup green button.
5. Read and accept the Terms & Conditions agreement.
6. You can now enter a Registration Code and Serial Number from the Thermostat.
7. To get the four digit registration code on the thermostat:
   a. Touch MENU.
   b. Use the Up/Dn arrows until Wi-Fi is blinking.
   c. Touch SELECT.
   d. Use the Up/Dn arrows until REG CODE is blinking.
   e. Touch SELECT.
   f. Thermostat will display "Requesting".
   g. Then account pin will be displayed.
   h. Enter the Registration Code on the mobile app.

NOTE: The registration code is only valid for 15 minutes after the thermostat request. If you have waited for more than 15 minutes, go through steps 7a-h above to get a new registration code.

8. To get the serial number of the thermostat:
   a. If the thermostat is still showing the REG CODE, Touch MENU once.
   b. OR from the Home screen, Touch Menu, Up/Dn arrow over to Wi-Fi.
   c. Touch SELECT.
   d. Use the Up/Dn arrows until SERIAL NUM is blinking.
   e. Touch SELECT.
   f. Enter the Serial Number on the mobile app.
9. Touch Next on the mobile app.
10. You will now create your user account. Fill out the information requested. Be sure to verify your email is entered correctly. It will be used as your login ID and the email address and where you will get your temporary password if you request a new password.
11. At the bottom of this screen are the Home Setup questions. This information is used to calculate some of your energy reports after the thermostat has approximately a months worth of run data. The report will then be available in the app for you to review each month. Touch Next.
12. The mobile app will now ask you for your location. This is for the purpose of getting accurate local weather. Either use the location determined by location services or enter the address where the thermostat is installed.
13. You will then be prompt to enter you schedule. Continue through scheduling to complete the setup process.

Setting the Date and Time on the Thermostat:

You must set the date and time before you can use any of the scheduling features. You must set the date and time before you can use any of the scheduling features. If you connected the thermostat to Wi-Fi it will get the current date and time from the internet.

Date (from the Home Screen):

1. Touch the Menu button then use the Up/Dn arrows until Settings is blinking. Touch SELECT.
2. Use the Up/Dn arrows until DATE is blinking and touch SELECT.
3. The MONTH will be blinking, use the Up/Dn arrows to change the month.
4. Touch NEXT until the DAY is blinking then use the Up/Dn arrows to change the day.
5. Touch NEXT until the YEAR is blinking then use the Up/Dn arrows to change the year.
6. Touch MENU to back out to the prior menu.
7. Use the Up/Dn arrows until TIME is blinking and touch SELECT.
8. Use the Up/Dn arrows to change the hour.
9. Touch Next until MINUTES is blinking.
10. Use the Up/Dn arrows to change the minutes.
11. Touch NEXT until am or pm is blinking.
12. Use the Up/Dn arrows to change am/pm.
13. Touch MENU to back out to the prior menu or touch START to exit to the Home Screen.

Setting or changing the temperatures for heating and cooling

There are two ways to control the temperature to heat or cool your home. First is by setting up a schedule so the thermostat will make changes at the times and temperatures you programmed into the thermostat or through the mobile app (on Wi-Fi models). See Programming the Thermostat. Secondly you can temporarily change the temperature after you've programmed your thermostat to your specific schedule needs. These steps will hold the temperature where you set it permanently, until a time you set, until the next period in your schedule or cancel hold to return to your programmed schedule.

Holding the temperature

1. When you change the temperature setpoint by touching the Up/Dn arrows on the right side you will see the temperature setpoint change.
2. Near the bottom of the screen the text will state the current hold method.
3. After setting the desired temperature touch NEXT and the hold method will flash.
4. Use the Up/Dn arrows to change the hold method to one of the following:
   a. Permanent – Temperature will remain until you make a change. Touch Select to accept.
   b. Timed Hold – (Until <time>) Temperature will remain at your setpoint until the time you set in this hold option. The change the hold time press Select to change the hour, Up/Dn Arrows to change hour, repeat to change the minutes, am/pm, date if you want the hold to last beyond today, Next to set the date or START to return to the home screen.
   c. Scheduled Change (Hold until <period>) – The menu item is abbreviated as SCHED CHNG, will hold your temperature until the start time of your next period (Wake, Away, Home, Sleep). Touch Select to accept which will then take you to the Home Screen.
   d. Cancel Hold – This will cancel the hold option and resume your programmed schedule. Touch Select to accept.

Setting the default Hold method

1. If the MENU button is not visible then touch the START button.
2. Touch MENU then Up/Dn arrows until SCHEDULE is blinking. Touch SELECT.
3. Use the Up/Dn arrows until HOLD PREFER is blinking and touch SELECT.
4. Use the Up/Dn arrows to select one of the three options you want as the default Hold: Permanent, Sched Chng, Timed Hold.
5. Touch MENU to accept then START to exit to Home Screen.

Determining your programming schedule

Your Côr 7 or Côr 7C give you the option of programming every day of the week differently. It is pre-programmed at the factory with the same settings for all seven days as shown here.

Monday Through Sunday	Time	Heat	Cool	Fan* (On/Auto)
Wake	6 AM	68	78	Auto
Away	8 AM	60	85	Auto
Home	5 PM	68	78	Auto
Sleep	10 PM	60	82	Auto

* Fan On = Fan runs continuously even if there is not a call for heating or cooling
Fan Auto = fan only runs only during active heating or cooling times.

You can change those settings easily. By default each day in your schedule has four time periods. The thermostat thinks of these time blocks in terms of when people wake up, when they leave for the day, when they return home, and when they go to sleep. You can change your number of periods to two per day if you have someone home most of the day and don't want an away period. See Changing Number of Periods section below.

Use this blank grid to make scheduling quicker by determining those time periods based on your own schedule along with how warm or cool you want your home to be at those times. Change the days of the week if you have several that are the same such as Monday – Friday.

Day of the week and program period	Start Time	Heating Temperature Setpoint	Cooling Temperature Setpoint	Fan (On/Auto)
Monday Wake				
Monday Away				
Monday Home				
Monday Sleep				

Day of the week and program period	Start Time	Heating Temperature Setpoint	Cooling Temperature Setpoint	Fan (On/Auto)
Tuesday Wake				
Tuesday Away				
Tuesday Home				
Tuesday Sleep				

Day of the week and program period	Start Time	Heating Temperature Setpoint	Cooling Temperature Setpoint	Fan (On/Auto)
Wednesday Wake				
Wednesday Away				
Wednesday Home				
Wednesday Sleep				

Day of the week and program period	Start Time	Heating Temperature Setpoint	Cooling Temperature Setpoint	Fan (On/Auto)
Thursday Wake				
Thursday Away				
Thursday Home				
Thursday Sleep				

Day of the week and program period	Start Time	Heating Temperature Setpoint	Cooling Temperature Setpoint	Fan (On/Auto)
Friday Wake				
Friday Away				
Friday Home				
Friday Sleep				

Day of the week and program period	Start Time	Heating Temperature Setpoint	Cooling Temperature Setpoint	Fan (On/Auto)
Saturday Wake				
Saturday Away				
Saturday Home				
Saturday Sleep				

Day of the week and program period	Start Time	Heating Temperature Setpoint	Cooling Temperature Setpoint	Fan (On/Auto)
Sunday Wake				
Sunday Away				
Sunday Home				
Sunday Sleep				

Changing the number of programming periods

Your thermostat is preset with four time periods. You can change this to two. Here's how to change the number of periods in the day. All days of the week will require the same number of periods. (For example: If you need both 4 weekdays and 2 weekends then the start time for wake, Away and Home will give the appearance of two periods while maintaining 4 periods during the week.)

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until SCHEDULE is blinking. Touch SELECT.
3. Use the Up/Dn arrows until NUM PERIODS is blinking. Touch SELECT.
4. Use the Up/Dn arrows to switch between 4 PERIODS or 2 PERIODS.
5. Touch START to return to Home Screen.

Setting up your program period temperatures and programmable fan settings (Wake, Away, Home, Sleep).

1. If the MENU button is not visible then touch the START button.
2. Touch MENU, SCHEDULE will be blinking. Touch SELECT.
3. Use the Up/Dn arrows until PROFILES is blinking and touch SELECT.
4. You will schedule both the desired winter and summer temperatures.
5. In the middle of the screen you will see Wake and the "Heat To" temperature blinking.
6. Use the Up/Dn arrows until the desired heating temperature for the Wake period is shown then touch NEXT.
7. Use the Up/Dn arrows until the desired "Cool To" temperature for the Wake period is shown then touch NEXT.
8. Use the Up/Dn arrows until the desired Fan mode for the Wake period is shown, (Auto or On). Auto runs the fan only when there is a need to heat or cool the home, On runs the fan continuously. Then touch NEXT.
9. Repeat steps 4-7 until all periods have been scheduled.
10. Touch START at any time to exit to the Home Screen.

Setting up your schedule

1. If the MENU button is not visible then touch the START button.
2. Touch the MENU button then use the Up/Dn arrows until SCHEDULE is blinking. Touch SELECT.
3. Use the Up/Dn arrows until PROGRAM is blinking and touch SELECT.
4. All Days should be listed with all of the days blinking, use the Up/Dn arrows to scroll through the options of (All Days, Weekdays, Weekend then each individual day). Touch SELECT to select one of them.
5. Above the days of the week the word Wake is shown. That is the time you wake up in the morning.
6. Set the hour you Wake up with the Up/Dn arrows then NEXT to change minutes and then am/pm respectively. Touch NEXT to move to Away.
7. Set the hour you leave home with the Up/Dn arrows then NEXT to change minutes and then am/pm respectively. Touch NEXT to move to Home.
8. Set the hour you return Home with the Up/Dn arrows then NEXT to change minutes and then am/pm respectively. Touch NEXT to move to Sleep.
9. Set the hour you go to Sleep with the Up/Dn arrows then NEXT to change minutes and then am/pm respectively. Touch NEXT to return to the Program menu.
10. Repeat 4 through 9 until all days of the week have been schedule. Touch START to exit to the Home Screen.
11. Set the hour you go to Sleep with the Up/Dn arrows then NEXT to change minutes and then am/pm respectively. Touch NEXT to return to the Days of the week menu.
12. Repeat items 4-9 to schedule any remaining days you need to program.

Programming a vacation schedule

The vacation schedule is another name for setting a Hold until Time. When you are ready to leave set the temperature you wish the home to be until you return (heating or cooling).

1. If the Up/Dn temperature buttons are not visible then touch the START button.
2. Touch Up/Dn arrows until the desired temperature is selected. Touch NEXT.
3. The hold method is now blinking near the bottom of the screen. Use the Up/Dn arrows until HOLD UNTIL <time> is blinking and touch SELECT.
4. Use the Up/Dn arrows to change the hour you will arrive after vacation. Touch NEXT until minutes is blinking.
5. Use the Up/Dn arrows to change the minutes. Touch NEXT until am or pm is blinking.
6. Use the Up/Dn arrows to change am/pm. Touch NEXT until MONTH is blinking.
7. Use the Up/Dn arrows to change the Month you will return. Touch NEXT until DAY is blinking.
8. Use the Up/Dn arrows to change the Day you will return. Touch NEXT until YEAR is blinking.
9. Use the Up/Dn arrows to change YEAR. Touch NEXT to take you back to the Home Screen. The HOLD button will be visible on the Home Screen.

Using the Touch-N-Go® option

The Touch-N-Go® buttons on the home screen will allow you to quickly change to a schedule period by just touching the button. For example if you come home from work early and the thermostat is in the Away mode all you need to do is touch the Home mode and those settings will start. The Home period temperature setting will continue based on your hold option preference. You can change that setting to one of the other hold options as follows.

1. If the all of the Touch-N-Go® buttons on the left side of the screen are not visible, touch Start.
2. Touch the schedule period you would like to activate.
3. Touch the Hold button if you want to change from your hold preference.
4. The current hold method will be flashing. (Until <*time*>, Permanent, Hold till <Period>, or Cancel Hold.
5. If you select Until <*time*> touch NEXT to move across the time and the Up/Dn arrows to change the number.
6. Touch START to exit at any time to go to home screen (which accepts the option that is shown).

OPERATING THE THERMOSTAT

Using the thermostat to turn the heating and cooling system off

Here's how to use the thermostat to turn the heating and cooling system off or switch between the system modes.

1. If the HEAT/COOL button is not visible in the top right corner Touch START.
2. Touch the HEAT/COOL button repeatability until the desired option has the applicable icon over the text at the top of the screen. (Aux Heat, Heat, Cool, Auto or Off). Not all names may be available based on the heating and cooling equipment installed.
3. After 10 seconds of inactivity the screen will return to the Home Screen accepting the mode selected, or press START to exit to Home Screen.

Using the fan button on the Home Screen

The fan distributes the heated or cooled air throughout your home for a more even temperature in all spaces. You can set the thermostat so that the fan runs only during your heating and cooling cycles (auto mode), or run continuously (On).

1. If the FAN button is not visible in the top left then Touch START.
2. Touch FAN. The current fan mode will be displayed. If you wish to toggle between ON or AUTO use the Up/Dn arrows.
3. After 10 seconds of inactivity the screen will return to the Home Screen accepting the Fan mode selected, or press START to exit to Home Screen.
   See instruction for air circulation fan feature under Advanced Programming.

Changing the humidity level for Humidification or Dehumidification

Your thermostat offers three Humidification/ Dehumidification options: normal, auto and off. Humidification typically works during the heating cycle and Dehumidification works during the cooling cycle.

1. NORMAL, is a fixed setting based on the humidity level you want in the home. This humidity level remains constant, regardless of the outdoor temperature. You can manually adjust the humidity level according to your own preferences.
2. AUTO HUM, uses an outdoor temperature sensor to automatically adjust the inside humidity level according to the outside temperature when the thermostat is set for auto humidify. This option is only available if an outdoor temperature sensor is installed or connected to the internet and receiving weather.
3. HUM OFF turns off the humidify/dehumidify feature. This is the factory default.

Using Normal Humidify

Here's how to change the fixed (constant) humidity setting for Humidify or Dehumidify features.

1. If the MENU button is not visible, Touch START
2. Touch MENU. Touch NEXT until SETTINGS is blinking. Touch SELECT.
3. Use the Up/Dn arrows until HUMIDIFY is blinking. Touch SELECT.
4. Use the Up/Dn arrows until NORMAL is blinking.
5. Touch NEXT until the % number is blinking.
6. Use the Up/Dn arrows until you reach the desired humidity level. You can set the humidity between 10% and 46%.
7. Touch START to go back to the Home Screen.

Using Auto Humidify

The auto humidify feature automatically adjusts the amount of humidity according to the outside temperature. It can be manually adjusted when there is too much condensation accumulating on windows or the air seems too dry. Here's how to switch to auto humidify and make adjustments.

1. If the MENU button is not visible, Touch START.
2. Touch MENU. Touch NEXT until AUTO is blinking. Touch NEXT.
3. Use the Up/Dn arrows to adjust LVL.

NOTE: The levels are from 1-9. If there is too much condensate on the windows, select a number lower than 5. If there is a lot of static electricity, which often means the air is too dry, select a number higher than 5. Wait a day before making another adjustment to allow the home to stabilize on that setting.

4. Touch START to go back to the Home Screen.

How to turn off Humidify feature

Here's how to turn off humidify features.

1. If the MENU button is not visible in the top right corner Touch START.
2. Touch MENU. Touch NEXT until SETTINGS is blinking. Touch SELECT.
3. Use the Up/Dn arrows until HUMIDIFY is blinking. Touch SELECT.
4. Use the Up/Dn arrows until HUM OFF is blinking.
5. Touch START to go back to the Home Screen.

Dehumidify - Overcool to dehumidify

Normal operation of an air conditioner lowers the temperature in the home but also removes humidity. When your home is experiencing mild cooling demands (spring or fall), the humidity level may exceed your humidity setting. In these milder cooling periods the air conditioner doesn't need to run much to keep the home at the desired temperature. Overcool to dehumidify will allow the home to go slightly lower than your desired temperature in order to remove more moisture from the home. This is controlled by the thermostats advanced algorithms and will further reduce humidity levels by slightly over cooling the home.

1. If the MENU button is not visible in the top right corner Touch START.
2. Touch MENU. Touch NEXT until SETTINGS is blinking. Touch SELECT.
3. Use the Up/Dn arrows until DEHUMIDIFY is blinking. Touch SELECT.
4. Use the Up/Dn arrows until OVERCOOL <xx%> is blinking.
5. Touch NEXT so the number % is blinking.
6. Use the Up/Dn arrows until the humidity level you want is blinking.
7. Touch START to go back to the Home Screen.

How to turn off Dehumidify feature

Here's how to turn off humidify features.

1. If the MENU button is not visible in the top right corner Touch START.
2. Touch MENU. Touch NEXT until SETTINGS is blinking. Touch SELECT.
3. Use the Up/Dn arrows until HUMIDIFY is blinking. Touch SELECT.
4. Use the Up/Dn arrows until HUM OFF is blinking.
5. Touch START to go back to the Home Screen.

Using Auxiliary Heat (heat pump systems only)

Auxiliary Heat is useful when the heat pump system can't keep up with demand. Systems with heat pumps automatically use auxiliary heat when it's too cold outside to heat the house without additional help. The display indicator for this is at the top of the screen with the text "aux heat" and a flame above the words when actively heating.

You can manually turn on the aux heat but you will want to avoid using Auxiliary Heat exclusively, because electric resistance heat is the most expensive option.

If you have a Hybrid heat system and the auxiliary heat is a gas furnace then it will be desirable to run auxiliary heat below a specific outdoor temperature due to energy cost preferences. Your dealer will have setup your system for Hybrid Heat with the best auxiliary heat settings. And of course, if you suspect a problem with your heat pump, call your heating and cooling dealer immediately.

Setting your thermostat to Auxiliary Heat

1. If the HEAT/COOL button is not visible in the top right corner Touch START.
2. Touch HEAT/COOL button until there is a flame over "aux heat" at the top of the screen.
3. After 10 seconds of inactivity the screen will return to the Home Screen accepting the Aux Heat Mode, or press START to exit to Home Screen.

ADVANCED PROGRAMMING OPTIONS

You can customize additional features of your thermostat. The following shows the features and the steps to do so.

Clearing an alert / reminder

The thermostat tells you when it's time to change furnace filter or scheduled service is required or other alerts or reminders based on the settings in the alerts section of the thermostat. When the alert or reminder is available, it will appear in the info box under the room temperature on the thermostat. Pressing the info button will allow you to scroll through several options for display. When it is displayed the SELECT button is available.

1. If the MENU button is not visible you are in idle mode. Touch START to get to the Home Screen.
2. Touch the info "i" button above the START button until you see the alert message. The SELECT button will show up at the bottom of the screen.
3. Touch SELECT to pull up the alert options.
4. Touch the info "i" button and a scrolling message "Hold the Down arrow to dismiss alert. After about three seconds Dismissed will appear and the Alert is removed.
5. Touch START to go back to the Home Screen.

Setting, enabling or disabling alerts and reminders

1. If MENU button is not visible, Touch START.
2. Touch MENU.
3. Use the Up/Dn arrows until Alerts is blinking. Touch SELECT.
4. Use the Up/Dn arrows until the alert or reminder you want to set is blinking. For example High Temp. Touch SELECT.
5. ENABLED will be blinking. Touch NEXT.
6. Use the Up/Dn arrows until Yes is blinking. Touch NEXT.
7. Use the Up/Dn arrows until LIMIT is blinking. Touch NEXT.
8. Use the Up/Dn arrows to set the High Limit temperature for the alert to be sent.
9. Touch START to return to Home Screen.

Changing from Fahrenheit to Celsius

The thermostat can display either Fahrenheit or Celsius temperature units.

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until SETTINGS is blinking. Touch SELECT.
3. Use the Up/Dn arrows until TEMP UNITS is blinking. Touch SELECT.
4. Use the Up/Dn arrows to select Fahrenheit or Celsius.
5. Touch START to go back to the Home Screen.

Backlight Adjustment by period

The brightness of the screen can be customized based on the 4 periods. Sometimes the thermostat is either in a bedroom or near the door and the thermostat can feel like a nightlight. By changing the brightness for the sleep mode to the lowest brightness it will not be as bright. When the START button is touched the brightness is changed to the Active level brightness, which could be much brighter. To change brightness on one or all 5 modes, follow the steps below.

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until SETTINGS is blinking. Touch SELECT.
3. Use the Up/Dn arrows until BACKLIGHT is blinking. Touch SELECT.
4. Use the Up/Dn arrows to select WAKE, AWAY, HOME, SLEEP or ACTIVE period that you want to adjust the brightness of the backlight. Touch Next on the one to adjust.
5. Use the Up/Dn arrows to change the brightness from 1 (dimmest) to 5 (brightest).
6. If changing more than one, Touch Next so the period name is blinking and use the Up/Dn arrows to move to the next and repeat4-6 until done.
7. Touch START to go back to the Home Screen.

Screen Lock

The screen lock feature allows you to set two different levels of access to the features of the thermostat or fully unlocked. L1 or L2 require a passcode (4 numbers) to give full access until the Start button is Touched twice or there are no touches for XX number of minutes.

DISABLE = Full access to the thermostat

L1 = Homeowner menu locked out

L2 = Full lockout

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until SETTINGS is blinking. Touch SELECT.
3. Use the Up/Dn arrows until SCREEN LOCK is blinking. Touch SELECT.
4. Use the Up/Dn arrows to select DISABLE, L1 OR L2. L1 and L2 Require a pass code to unlock the screen.
5. If DISABLE is selected Touch START to exit to Home Screen.
6. If L1 or L2 is selected Touch NEXT to enter a numerical pass code.
7. Once all 4 numbers are entered by pressing the Up/Dn arrows and the NEXT button, Touch START to exit to the Home Screen.
8. The screen lock will take effect after 2 minutes of inactivity.

Unlocking the Screen

Here's how to unlock the keypad after it has been locked.

1. If the MENU button is not visible Touch START.
2. Touch MENU the unlock screen will appear ask you for the passcode to be entered.
3. Use the Up/Dn arrows to enter the passcode. Touch NEXT after entering each number.
4. You will be given either UNLOCKED or INCORRECT based on the code entered.
5. To permanently unlock the thermostat after entering the correct passcode change the screen lock mode to DISABLE.
6. Touch START to go back to the Home Screen.

Turn off/on the programmable schedule feature

In some situations you may not want the thermostat to have the ability to be controlled by a schedule.

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until SCHEDULE is blinking. Touch SELECT.
3. Use the Up/Dn arrows until PRGM ENABLE is blinking. Touch SELECT.
4. Use the Up/Dn arrows to switch between ENABLE and DISABLE.
5. Touch START to return to Home Screen.

Changing from programmable to non-programmable

It is possible to convert your thermostat's operation from programmable to non-programmable. This eliminates its advanced features. When switching to the non-programmable format, you lose the programming, hold options, and Smart Recovery features. Switching to non-programmable also means you'll give up some of the thermostat's energy saving features. You will be able to increase or decrease the temperature settings manually.

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until SCHEDULE is blinking. Touch SELECT.
3. Use the Up/Dn arrows until PRGM ENABLE is blinking. Touch SELECT.
4. Use the Up/Dn arrows to switch between ENABLE and DISABLE.
5. Touch START to return to Home Screen.

Air Circulation fan feature

Air Circulation allows you to run the systems fan even when the heating or cooling system doesn't need to run. This is useful in mild weather to circulate the air in the home to aid in comfort without requiring the system to be actively heating or cooling. You can set different times for air circulation for each of the schedule periods (Wake, Away, Home and Sleep) when the fan mode is set to Auto. Note: if the fan setting is set to On then the fan will run 60 minutes per hour until changed, regardless of the timing set for each period's air circulation.

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until SCHEDULE is blinking. Touch SELECT.
3. Use the Up/Dn arrows until CIRCULATION is blinking. Touch SELECT.
4. Use the Up/Dn arrows to set the number of minutes per hour for the wake period.
5. Touch SELECT to move to the AWAY mode.
6. Use the Up/Dn arrows to set the number of minutes per hour for the AWAY period.
7. Repeat steps 4-5 for HOME and SLEEP modes.
8. Touch START to return to Home Screen.

Turning on/off the daylight savings time feature (DST)

The thermostat will automatically change the clock according to daylight savings time procedures twice a year. You can turn off the daylight savings time feature so the clock doesn't automatically change. You can turn on and adjust the date it occurs based on your location.

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until SETTINGS is blinking. Touch SELECT.
3. Use the Up/Dn arrows until DST SETUP is blinking. Touch SELECT.
4. Use the Up/Dn arrows to select DST OFF, DST ON. If you want DST ON then press next until you see the calender options for Spring (SP next to down arrow) and Fall (FA next to down arrow).
5. If the dates for DST are acceptable go back to DST ON then touch START To save and return to the Home Screen.
6. To adjust the dates for Spring or Fall daylight savings times use the next button to move through the date periods and the Up/Dn arrows to make changes. Anytime you press START you will save what was done and return to the Home Screen.

SPECIAL FEATURES

Hybrid Heat (heat pump with a furnace system only)

This thermostat works with the Carrier or Bryant Hybrid Heat systems offering maximum comfort and economy by automatically controlling whether your system delivers heating with the heat pump, with the furnace, or with both options working together.

Outdoor temperature display

The thermostat displays the outdoor temperature when the thermostat is connected to Wi-Fi and the postal code is entered or when there is an outdoor air temperature sensor installed by your dealer.

To set the postal code for weather and outdoor temperature:

1. If the MENU button is not visible Touch START.
2. Touch MENU. Touch NEXT until Wi-Fi is blinking. Touch SELECT.
3. Use the Up/Dn arrows until POSTAL CODE is blinking. Touch SELECT.
4. Use the Up/Dn arrows to set the number touching NEXT after entering each number.
5. Touch START to return to Home Screen.

Auto changeover

The thermostat displays one of five modes: heat, cool, Aux heat (heat pump version only), heat cool (auto mode) and off. When the mode selection is for both heating and cooling – auto mode – the thermostat is in auto changeover mode. This allows the system to switch from heating to cooling – or from cooling to heating – to maintain the temperatures you've programmed. It does this automatically.

Smart Recovery

The Smart Recovery feature transitions your home from one temperature period (wake, day, evening, sleep) to the next so that the your home's temperature matches the temperature setting at the start of each time period. This means, for example, that if your sleep period temperature setting is lower than the period that precedes it, the thermostat will start cooling down the home before the beginning of the scheduled sleep period. It does this at an energy-efficient rate. This not only helps make your home as comfortable as possible, it also makes your thermostat more cost effective. Call your dealer to adjust Smart Recovery settings.

Troubleshooting: "WHAT IF". . .

Auxiliary Heat is displayed (heat pump and Hybrid Heat systems only)

Auxiliary heat on applies only to the heat pump version. If it is on, you will see auxiliary heat icon at the top and a flame icon above it when it is heating. When it is displayed, it means the system has determined that it's too cold outside for your heat pump to heat the house without help, so it's getting help from the electric heaters. This happens automatically. You can also put the system into Aux Heat manually by touching the HEAT/COOL button on the top right of the thermostat. If you know that there is a problem with the heat pump and you heat the home by the auxiliary heating method, but be sure to call your local HVAC Dealer to solve the issue.

There is a power outage

If you lose electricity, you won't have to reprogram the thermostat because your settings are retained in its memory. There is a temporary backup for the clock. This backup typically lasts for up to 24 hours before the clock loses its time during a power outage.

You get a reminder message

reminder messages *–UV light, hum pad maintenance , check filter* – tell you that it's time to change the UV lamp in the evaporator coil box connected to the furnace (when installed), humidifier pad (when installed), and furnace filter. Make the indicated changes with the exception of the UV lamp – for important safety reasons ask your dealer to replace the UV lamp.

You get a system error message

Here are some possible system error messages and what they mean:

HW PROBLEM - Critical hardware malfunction detected. Please contact your local HVAC contractor.

COMM ERROR - The relay module is detected (based on power input), but communications have been down for at least 2 minutes. Please contact your local HVAC contractor.

INVALID HUM - The humidity reading has been invalid for the past 10 minutes. Humidification or dehumidification will not run until this is addressed. Please contact your local HVAC contractor.

COMMON TERMS AND WHERE TO FIND THEM:

TERM	PAGE
Auto changeover This feature automatically switches your system from heating to cooling – or from cooling to heating – whenever necessary when in auto mode only (heat/cool).	18
Auxiliary heat (heat pump and Hybrid Heat systems only) Most heat pump systems can't heat a home sufficiently when it gets very cold outside so they use a supplemental heating source called auxiliary heat. The system knows when to use this help and does so automatically. If it's using auxiliary heat, the display will show "Aux Heat" on the top left of the thermostat screen. You can manually place the system into the auxiliary heat function.	15
Backlighting Backlighting illuminates your text and icons on the display. The backlight is always on but can be adjusted by each period and at another level when a button is pressed (active mode).	16
Daylight savings time (DST) The thermostat will automatically change the clock according to daylight savings time procedures twice a year. It can be turned on or off under the settings menu.	17
Dehumidify When your heating and cooling system is used to dehumidify the air and the thermostat is set up to dehumidify, the thermostat will instruct it to remove moisture from the air as necessary when the air conditioning is on.	15
Hold This function gives options for several different hold options for the current set temperature.	11
Hybrid Heat (heat pump with a furnace system only) This Carrier and Bryant heating and cooling system concept offers maximum comfort and economy. When a Hybrid Heat system is installed, the thermostat automatically controls whether your system delivers heating with the heat pump, with the furnace, or with both options working together.	18
Humidify When your heating and cooling system includes a humidifier, the thermostat will instruct it to add moisture to the air as necessary when the heat is on.	14
Mode This term refers to the type of operation your system is performing. The options are heat, cool, Aux heat, auto (heat/cool) and off when touching the HEAT/COOL button (top right of screen).	14
Override This happens when you temporarily disregard the thermostat's programmed temperature settings and schedules by using the temperature hold options.	14
Programmable fan You can program the fan selection to "auto" or "on" for each of the program schedule periods.	12
Service reminders The thermostat tells you when it's time to change the UVC lamp (if equipped), humidifier pad (if equipped) and furnace filter. (For safety reasons, ask your dealer to replace your UV lamp.)	16
Smart Recovery This feature allows your system to shift from one temperature period to the next scheduled period at an energy-efficient rate.	18
Hold Until <period> This function lets you temporarily maintain your temperature settings. The system will return to the scheduled settings during the next time period.	11
Time period The thermostat features four time periods – wake, day, evening and sleep. These blocks of time are linked to temperatures you set according to how warm or cool you want the house during those time periods. The number of periods can be change from 4 to 2 depending on your preference.	14

FCC:

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

To comply with FCC/IC RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Pour se conformer aux limites d'exposition RF FCC et IC pour la population générale / l'exposition incontrôlée, l'antenne utilisée pour cet émetteur doit être installée pour assurer une distance de séparation d'au moins 20 cm de toutes les personnes et fonctionnant conjointement avec toute autre antenne ou émetteur.

This Device complies with Industry Canada License-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.

Cet appareil est conforme avec Industrie Canada, exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: 1) ce dispositif ne peut pas causer d'interférences, et 2) ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

NOTES

NOTES

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