

User Guide

Emme Core





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Emme Core

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Getting Started

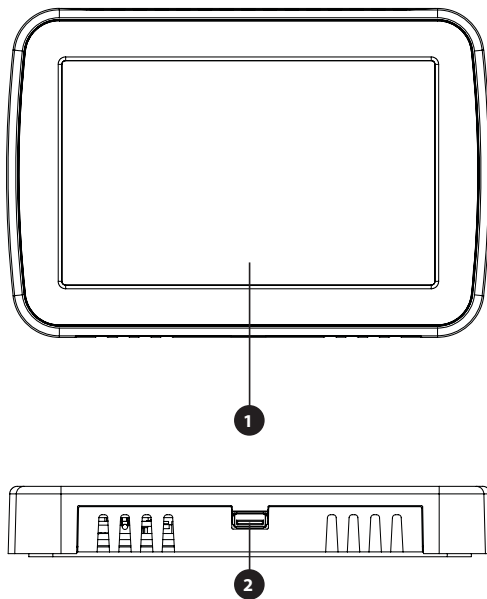
Congratulations! And thank you for purchasing Emme Core, the foundation of the world's first Energy and Environmental Management System designed specifically for homes and light commercial buildings. Emme Core comes with a smart thermostat application that's redefining the way you control heating and cooling. More control, timely information, increased efficiency, and improved comfort all packaged in an affordable, expandable, easy-to-use, internet-connected device. It's time to get comfortable and start saving energy.

Emme Core Components

Emme Core consists of two parts; the Display and Control Unit and the Equipment Interface Panel. The Display and Control Unit replaces your thermostat; the Equipment Interface Panel connects to your heating and cooling equipment and is usually located next to the air handler (furnace).

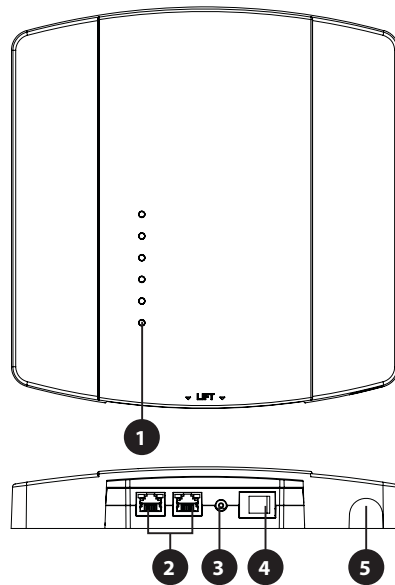
Display and Control Unit Parts

1. **Touch screen**
2. **USB terminal:** connect Emme Core to a USB flash drive to upload software and configuration files.



Equipment Interface Panel Parts

1. **Status LEDs:** indicates current equipment conditions.
2. **RJ-45 terminals:** device terminals used for adding supplemental Emme equipment.
3. **DC in terminal:** input for power adapter allowing Emme Core to be powered without HVAC equipment present.
4. **Power switch:** allows the Equipment Interface Panel to be turned on and off. Turning off the Equipment Interface Panel also turns off the Display and Control Unit.
5. **Cable opening:** provides a clear channel for routing wire into the Equipment Interface Panel.



Using the Touch Screen

The Emme display uses touch screen technology that makes screen navigation easy! Touch buttons to access individual screens and menus. Drag your finger across the screen to scroll through lists of icons, buttons, and screen options.

WARNING: To prevent damage to the display, never use sharp objects (such as pens, pencils, etc.) to touch the screen. We recommend the use of a finger tip or finger knuckle. Do not use harsh cleaners on the screen. Do not spray liquid cleaners directly onto the screen.

Touch Screen Controls

The Emme interface makes use of various controls that let you change settings and access and enter information. The following is a brief summary of the most common types of controls.

Types of Touch Screen Controls

Scrolling Lists

When there is list of items that has an arrow next to them, it indicates there are more options then can fit on the screen. Drag your finger across the list in the direction opposite of the arrow to move the list in that direction. In addition, you can touch the arrow to see more options.



Up and Down Arrows

Touch the arrow buttons to move the setting in that direction. Touch the up arrow to raise the value; touch the down arrow to lower the value.



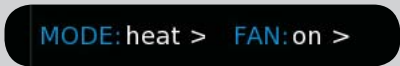
Buttons

Buttons let you access new screens or change settings. Sometimes they are only labeled with an icon, other times they have a short description or both icons and descriptions.



Text Link

Text links work just like buttons and can be distinguished by the carrot (>) at the end of the text. Press the text to select.



Types of Touch Screen Controls

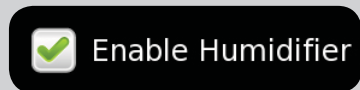
Multi-select

A multi-select allows you to cycle between different options. Press the arrows to either side to view the options. The selections may wrap when cycled through the complete set.



Check Box

Check boxes allow you to turn a function on or off. Touch the check box to change the state.



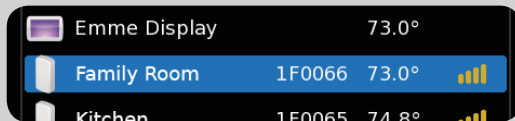
Slider

A slider provides a range of adjustments. Either press on the bar to move the slider to that spot or press on the slider and slide your finger to the desired spot.



Select List

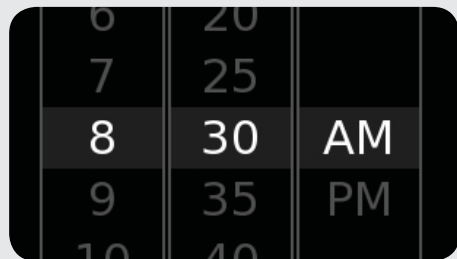
A select list allows you to view multiple items and then select one by pressing it. A selected item has a blue background. If the list is too large to fit on the screen *previous* and *next* buttons allow you to view the remaining items.



Types of Touch Screen Controls

Dial

To use the dial, either slide your finger from the top to the bottom or from the bottom to the top, depending on the direction you want the dial to go. You can also press above or below the selected value to move the dial. A selected value has a lighter grey background.

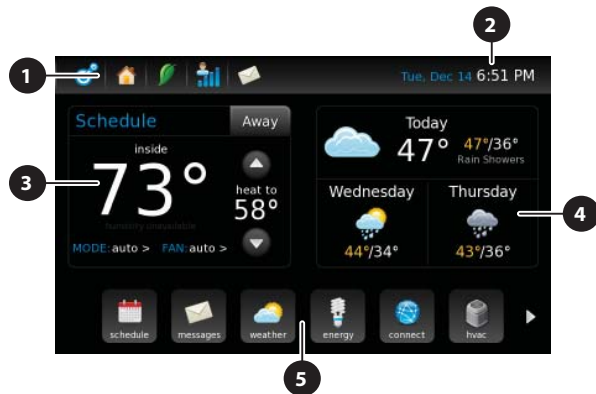


The Emme Main Screen

The Main Screen is where you'll find all of the top level menu items. The Menu Bar and the Smart Thermostat Panel provide all of your controls. Six selections are displayed at a time on the Menu Bar. You can browse through additional items by dragging your finger side-to-side on the menu bar or by using the small arrows to the left or right of the menu bar. To enter a menu just press it. To return to the Main Screen just press anywhere in the Status Bar.

Emme Main Screen Components

1. Status Bar
2. Time and Date
3. Smart Thermostat Panel
4. Weather Panel
5. Menu Bar



Status Bar

The Status Bar provides an at-a-glance view of the current conditions of your Emme Core. In addition, pressing the Status Bar will return you to the Main Screen.

Status Icons: Emme



Emme Logo

Status Icons: Home and Away



Emme Core is in home mode



Emme Core is in away mode

Status Icons: System Status



No activity (Ideal)



Heating



2nd Stage Heating



3rd Stage Heating



Auxiliary Heat



2nd Stage Auxiliary Heat

Status Icons: System Status



Cooling



2nd Stage Cooling



SmartCirculation



Circulation (fan)



No activity, the system is in setup mode



No activity, the system is improperly configured

Status Icons: System Status



A small clock by the upper left of the status icon indicates the system is heating, cooling, or circulating because of SmartRecovery. Learn more about SmartRecovery on page 41.

Status Icons: Network Connectivity



There is no WiFi connection



There is a WiFi connection, but the system cannot connect to the server



There is a WiFi connection and the system is connected to the server



There is a WiFi connection, the system is connected to the server, and a user is accessing the system remotely

Status Icons: Messages



There are no new messages, alerts, or alarms



There is a new message



There is a new alert message (yellow triangle)



There is a new alarm message (red triangle)

Time and Date

The time and date is displayed in the upper right corner of the screen. To change the time and date see *Setting the Clock* on page 25.

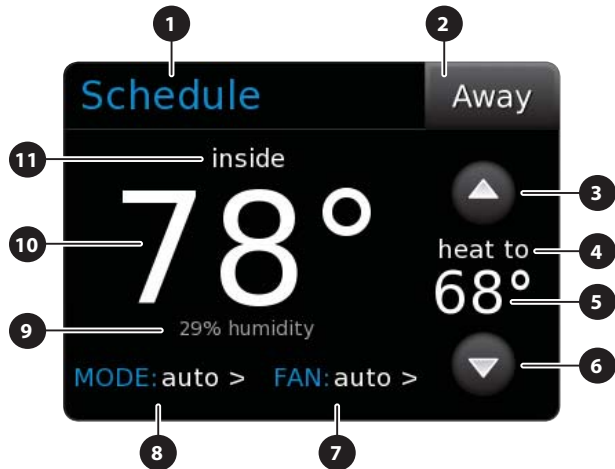
Smart Thermostat Panel

The Smart Thermostat Panel provides HVAC control and status. It displays the inside temperature and humidity. It also allows you to temporarily override the current schedule, put the system in Away mode, change the mode (off, heat, cool, and auto), and change the fan setting (auto and on). The appearance of the Smart Thermostat Panel can change significantly when in Away mode, see *Home and Away Modes* on page 36.

Smart Thermostat Panel Parts and Icons

1. **Schedule Type**
2. **Away mode button:** Allows you to set the system to energy saving Away mode when the building is unoccupied.
3. **Override Up Arrow:** Temporarily increases the temperature setpoint.
4. **Override Type:** If the system mode is set to *auto*, you can toggle between *heat to* and *cool to* by pressing the override type.

5. **Setpoint:** Displays the scheduled or override setpoint temperature.
6. **Override Down Arrow:** Temporarily decreases the temperature setpoint.
7. **Fan Mode:** Displays the current fan mode which can be *on* or *auto*.
8. **System Mode:** Displays the current system mode; the options are: *off*, *heat*, *cool*, and *auto*.
9. **Current Humidity:** If a humidifier is configured you may see something such as: *29% humidity >> 35%* this indicates the current humidity is 29% and the setpoint is 35%.
10. **Current Temperature:** This can be the temperature at the display or the temperature from a reference sensor.
11. **Reference Sensor:** Displays the name of the sensor that is being used as the reference temperature for current operations; *inside* indicates the reference sensor is the display.



System Modes

off	The system is off, there will be no heating or cooling, although circulation may still run
heat	The system will only heat or circulate
cool	The system will only cool or circulate
auto	The system will automatically switch between heating, cooling, and circulation depending on your set points

Changing the System Mode



1 Press **MODE**:



2 Select the Desired Mode of Operation

In this example it is changing from *heat* to *auto*.



3 Verify the System is In the Correct Mode

Fan Modes

auto The system will automatically manage the fan based on heating and cooling conditions and your settings

on The fan will always run, even when it is not heating and cooling

Changing the Fan Mode



1 Press **FAN**:



2 Select the Desired Mode of Fan Operation

In this example it is changing from *on* to *auto*.

3 Verify the System is using the Correct Fan Mode

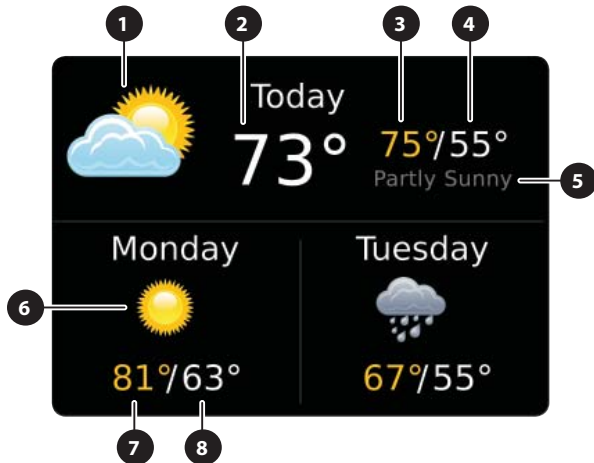


Weather Panel

The Weather Panel provides the current weather conditions as well as a two-day forecast. High temperatures are in yellow while low temperatures are in white. Icons indicate current conditions. The Weather Panel will be blank if the system is not connected to the Internet.

Weather Panel Parts and Icons

1. **Current weather conditions**
2. **Current outside temperature:** This temperature can be from the National Weather Service for your zip code or from an outdoor temperature sensor if configured.
3. **Today's forecast high temperature**
4. **Today's forecast low temperature**
5. **Today's forecast weather conditions**
6. **Forecast weather conditions**
7. **Forecast high temperature**
8. **Forecast low temperature**



Menu Bar

Most functions of Emme Core can be accessed through the Menu Bar on the Main Screen. You simply press the button to access the pages below. The available space may not be large enough to show all of the buttons. You can scroll through all of the buttons by either using the arrow buttons to the right or left of the Menu Bar or by dragging your finger from side to side across the Menu Bar.

Menu Bar Buttons



schedule

Schedule:

Allows you to use programmable schedules for temperature transitions and change simple setting setpoints.



sensors

Sensors:

Allows you to manage your SmartSensors, including assigning a primary and renaming a SmartSensor; it is only displayed if you have a sensor configured.

Menu Bar Buttons



messages

Messages:

Allows you to access your messages.



weather

Weather:

Allows you to see the six-day forecast (if connected to the Internet).



energy

Energy:

Allows you to view +Energy electricity information (if installed).



connect

Connect:

Allows you to set the email address that reminders are sent to and the password for the Internet portal login.

Menu Bar Buttons



Humidity:

Allows you to manage your humidifier settings; it is only displayed if you have a humidifier.



HVAC:

Allows you to configure equipment reminders, SmartCirculation, multistage control and SmartRecovery.



Password:

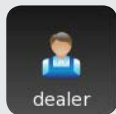
Allows you to enter a password to lock your Emme Core touch-screen display.



Screen:

Allows you to set the screen's normal and inactive brightness, backlight duration, and disable the screen for cleaning.

Menu Bar Buttons



Dealer:

Displays your heating and cooling contractors contact information. It is only displayed if the dealer has entered the information during setup.



Setup:

Allows you to configure Emme Core for operation. With the exception of WiFi configuration, it is strongly recommended that only a trained HVAC professional configure Emme Core for operation.

Cleaning the Touch Screen

If you need to clean the touch screen, Emme Core provides an easy way to temporarily disable it. This will allow you to clean any dirt or fingerprints off the touch screen without making any unwanted changes to programming or settings.

WARNING: Do not use harsh cleaners on the screen. Do not spray liquid cleaners directly onto the screen. We recommend using a soft, damp (only with water), non-scratch cloth.

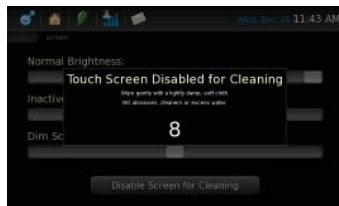


1 Press the **screen** Button

You may need to scroll right to find it.



2 Press **Disable Screen for Cleaning**



3 Clean the Screen

The screen will be disabled for 20 seconds. A countdown keeps track of the remaining time.

Using Emme Core

Emme Core is designed to be easy and intuitive to operate. Because the capabilities of Emme Core are greatly enhanced by Internet connectivity, we strongly recommend connecting Emme Core to your WiFi network.

Emme Core Internet Setup and Connectivity

You can operate Emme Core from the display or you can use the secure Emme web portal. The web portal allows you to do everything that you could do if you were using the display, including:

- Program, configure and control your Emme Core and the heating and cooling equipment it is connected to from anywhere you have Internet access
- Receive important alerts and messages about your heating and cooling equipment

Emme Core can connect with most wireless networks that use the WiFi standard. You must configure the Emme Core WiFi settings in order to connect to your wireless network and make your Emme Core accessible from the Internet via the Emme web portal.

Supported WiFi Encryption Protocols

Wireless Router encryption protocols supported by Emme Core:

- Clear/No Security: with SSID being broadcast
- WEP: 40/64 and 104/128, but only key 0
- WPA: Pre-shared keys; TKIP
- WPA2: Pre-shared keys; Both TKIP and CCMP/AES

Incompatible WiFi Encryption Protocols

Wireless Router encryption protocols not currently supported by Emme Core:

- Clear/No Security: with SSID broadcast disabled/not broadcast
- WEP: 232/256 and above
- WEP: 40/64 and 104/128; if keys 1, 2 or 3 are required.
- WPA: "Enterprise" - all EAP/PEAP types, RADIUS, Certificate-based, etc.
- WPA2 "Enterprise" - all EAP/PEAP types, RADIUS, Certificate-based, etc.

Connecting Emme Core to Your WiFi Network



1 Press the **setup** Button

The setup screen should appear. You may need to scroll to the right to see the setup option.



2 Press the **wifi** Button

The wifi screen will appear.



3 Press **Change Wireless Network**



4 Select the **Network**

Select the network to connect to from the list of options. When the correct network is selected, press **connect**.



5 Enter the Password

When finished, press *ok*.



5 Verify Emme Core is Connected to the Network

Wifi Status: should indicate the system is *connected*.

Connecting to Emme Core From the Emme Web Portal

Before you can access Emme Core from the Internet two requirements must be met:

1. Emme Core must be connected to your WiFi network.
2. Your email and password must be configured on the *connect* screen.

Connecting Emme Core to your Wifi network is covered in the previous section. We will now describe how to configure your email and password.

NOTE: Password rules vary between routers, but most network passwords are case sensitive.

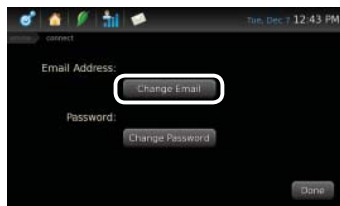
NOTE: The email address must be a valid format (example: name@company.com) and it is limited to the characters available on the keyboard. The password must be a minimum of 4 and a maximum of 16 characters in length, all characters are acceptable and are case sensitive. We recommend a password that is difficult to guess and contains at least one special character.

Configuring Your Email and Password

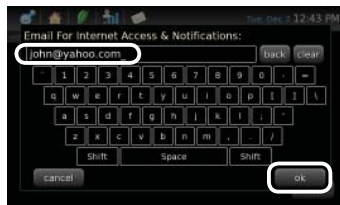


1 Press the *connect* Button

The *connect* screen should appear.



2 Press *Change Email*



3 Enter Your Email Address

When finished, press *ok*.

NOTE: The password is case sensitive; ensure the password is entered correctly, using any letters, numbers or symbols that are required.



4 Press *Change Password*



5 Enter Your Password

When you are finished, press *ok*.



6 Press *Done*

Logging In to the Emme Web Portal

To log in, go to your computer and open a web browser (Firefox, Internet Explorer, Safari, etc.). In the address bar, type in www.myemme.com. Then do the following:



- 1 Enter Your Email and Password**
This is the same email and password you configured on the *connect* screen. When finished, press **Login**.

2 Click on the Emme Core Display

If you have multiple Emme Cores use the system name to identify the correct unit.



3 Explore Emme Core Online

Using Emme Core online is just like using it from your home or business. When finished click **Log Out**.

System Setup

This section of the manual describes how to set up and configure Emme Core using the display touch screen.

These are the two steps to programming Emme Core:

1. Installation Setup (this should be completed at the time of Emme Core installation by your HVAC contractor)
2. Configuring User Settings

Installation Setup

Installation setup typically consists of the following:

- HVAC Configuration (types of heating, cooling and additional equipment connected to the Emme Core Equipment Interface Panel)
- Network Connection; both to your wireless router/WiFi network and to the Emme servers for Internet access to your Emme Core

- Setting local weather
- Setting local time and date by time zone
- Naming your Emme Core (helpful if you have multiple Emme Cores installed in the building)
- Entering your dealer contact information

These steps should be completed by the HVAC professional who installed your Emme Core. If you do not wish to tell your HVAC professional your network password, you can configure the network connection yourself.

Setting the Clock

By default, Emme Core uses an automatic clock that updates using the WiFi/Internet connection. If network access is not available the clock can be set manually.

Configuring the Automatic Clock

When connected to the Internet, Emme Core corrects time about every four hours to be accurate within one second.



1 Press the *setup* Button

The *setup* screen should appear.



2 Press the *clock* Button

The *clock* screen should appear.

3 Select the Correct Time Zone

Configuring the Manual Clock

When disconnected from the Internet Emme Core may lose or gain one to two seconds per month depending upon conditions. Do not configure the manual clock if you have already configured the automatic clock.



1 Press the *setup* Button

The *setup* screen should appear.

2 Press the *clock* Button

The *clock* screen should appear.



4 Select the Correct Time Zone

This is done to ensure the time will be correct if the system is connected to the Internet at a later time.



5 Press Set Date & Time



6 Press Set Date & Time Manually



7 Set the Correct Time

Use the dial to set the correct time. A grey background with white text indicates a selected value. When you are finished press **Set Now**.

Screen Settings

Screen options allows you to set **Normal Brightness**, **Inactive Brightness** and **Dim Screen After** to your preferences. Drag your finger along the slider to change settings.



1 Press the *screen* Button

You may need to scroll right to find it.



2 Adjust the Sliders to Your Preference

When you're finished, press the **Status Bar**.

- **Normal Brightness:** Screen brightness during operation
- **Inactive Brightness:** Screen brightness when not being used
- **Dim Screen After:** Time delay between Normal Brightness and Inactive Brightness

Scheduling

Emmé Core is designed to give you the ability to schedule the temperatures you want, when you want them; real schedules for real people!

Emmé Core gives you the ability to schedule temperature transitions by:

- Time of day
- Day of the week

You can have up to four temperature transitions scheduled per-day and three day-of-week groupings.

Simple Settings

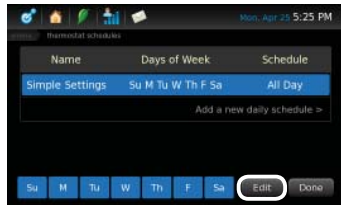
By default, all days are scheduled for Simple Settings. Simple Settings contains no transitions and allows you to set a *heat to* setting and a *cool to* setting. Heating and cooling is dependent on your type of HVAC equipment and the system mode setting.

Changing Simple Settings



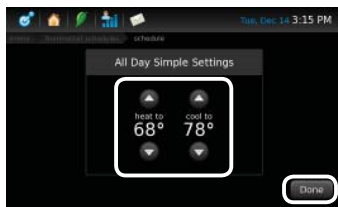
1 Press the *schedule* Button

The *schedule* screen will appear.



2 Press the *Edit* Button

Note the name of the schedule is *Simple Settings*.



3 Use the Up and Down Arrows to Set the Temperature

When you are finished press *Done*.

Creating a Custom Schedule

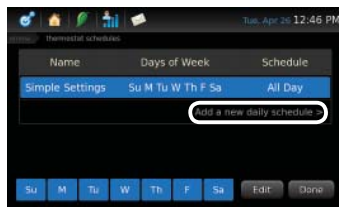
To help you learn how to setup a schedule we will create a weekday schedule using the following information:

Example Schedule

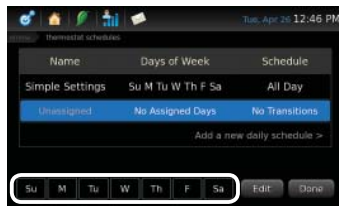
Wake at 7:00AM	heat to 74°	cool to 80°
Leave at 8:30 AM	heat to 68°	cool to 86°
Return at 6:00 PM	heat to 74°	cool to 80°
Sleep at 11:00PM	heat to 68°	cool to 86°



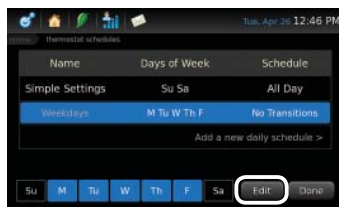
- 1 Press the *schedule* Button**
The *schedule* screen will appear.



- 2 Press the *Add a new daily schedule* >**



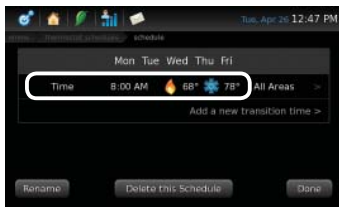
- 3 Select the *Days to Include in the Schedule***
In our example, it is Monday through Friday.



- 4 Press the *Edit* Button**



5 Press the **Add a new transition time** >



6 Press on the **Transition**



7 Press the **Rename Button**



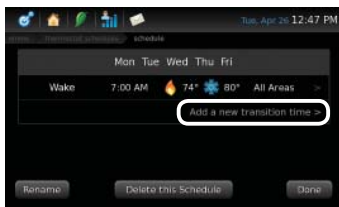
8 Type in the **Name Wake**
Press the **ok** button when you are finished.



9 Set the **Time to 7:00AM**
Using the sliders select the correct time.



10 Set the **heat to and cool to setpoints**
Using the arrow buttons set the temperature. When you are finished press **Done**.



11 Press the *Add a new transition time >*

Repeat steps 6 through 9 using the information in the example.



12 Your schedule is complete

When you are finished press *Done*.

Temperature Overrides

In some cases, you may want to temporarily override a current temperature schedule. This is easy to do with Emme Core. In addition, Emme Core provides multiple options for setting how long an override lasts.

1 Use the Up and Down Arrows to Set the Temperature



2 Temporary Override is in Effect

The text *until 11:17 am* in this example indicates when the override will expire.



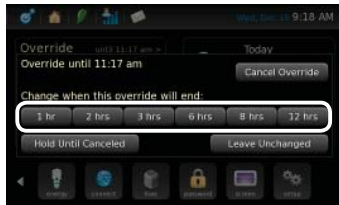
NOTE: Temperature transitions are automatically sorted by the time of the transition. You do not need to enter them in a specific order as they will be automatically rearranged by time.

Changing How Long a Temporary Temperature Override Lasts



1 Press the "until" Text

In this example it is *until 11:17 am >*.



2 Set How Long You Would Like the Override to Last

In this example we used 6 hrs.



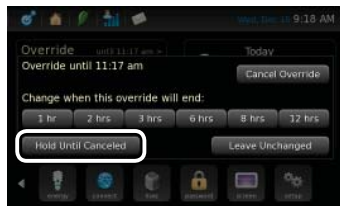
3 The Time When the Override Expires Will be Updated on the Main Screen

NOTE: Overrides automatically expire at the *until* time. The one exception is *Hold Until Canceled* which must be manually canceled before the regular schedule resumes.

Setting an Indefinite Override



- 1 Set your Override and Press the “until” Text**
In this example it is *until 11:17 am >*.



- 2 Press Hold Until Canceled**
The override will be in effect until manually canceled.

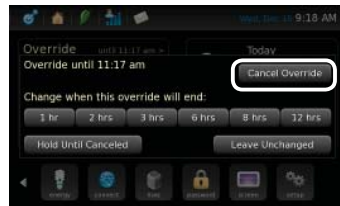


- 3 When you Return to the Main Screen the Time Message Changes to *until canceled >*.**

Canceling a Temperature Override



- 1 Press the “until” Text**
In this example it is *until 11:17 am >*.



- 2 Press Cancel Override**

Switching Between *heat to* and *cool to* Temperatures While in Auto Mode

While Emme Core is running in auto mode it will automatically switch between air conditioning and heating depending on your set points, yet on the Main Screen there is only one set point displayed. To switch between the *heat to* and *cool to* temperatures, do the following:



1 Press the *heat to* or *cool to* Setpoint



2 The Setpoint Toggles Back and Forth Between *heat to* and *cool to*

Home and Away Modes

Emme Core gives you the ability to place the building in Away mode. Away is an operating mode that places the building in a wider temperature range while unoccupied for an extended period of time. This allows you to save energy by conditioning the building less.

When Emme Core is in Home mode, the status bar will show the home icon. When Emme Core is in Away mode, the away icon will appear in the status bar and the schedule name in the Smart Thermostat Panel will change to Away.

Home/Away Status Icons



Home: indicates the building is currently in home mode.



Away: indicates the building is in away mode.

Setting Away Mode



1 Press the **Away Button**



2 You Are Now **In Away Mode**

Away mode is indicated by the schedule type switching to **Away** and the Home/Away icon changing to Away.

Scheduling an Away Return Time



1 Press the *Away* Button



2 Press the Button with the Clock Icon



3 Set the Date and Time
Use the selector to set your return time. Press *ok* when you are finished.

Changing Away Set Points



1 Press the *Away* Button



2 Press on the *Away* Message Bar



3 Use the Up and Down Arrows to Change the Setpoints.
Press *ok* when you are finished.

Canceling Away



- 1 Press the **Button With the House Icon**

HVAC Settings

Set parameters for equipment reminders, SmartCirculation, multistage control, and SmartRecovery settings from the *hvac* button on the Main Screen.

Equipment Reminders



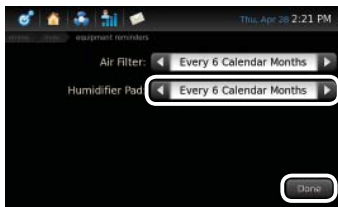
- 1 Press the *hvac* **Button**



- 2 Press *Equipment Reminders*



3 Schedule the *Air Filter* Reminder



4 Schedule the *Humidifier Pad* Reminder

If you do not have a humidifier, you will not see this option. When you are finished press *Done*.



5 Press *Smart Circulation Control*

SmartCirculation

SmartCirculation intelligently balances the temperature in your home without using heating and cooling. Using optional Emme SmartSensors, it detects uneven temperatures and then uses the high speed fan to mix the air. SmartCirculation is a great way to increase the comfort of your home without using energy intensive heating and cooling.



6 Schedule the *Minimum Circulation per Day* Time



7 Enable Smart-Circulation

Check **Enable Smart-Circulation**. When you are finished press **Done**.



8 Press **Multistage Control**

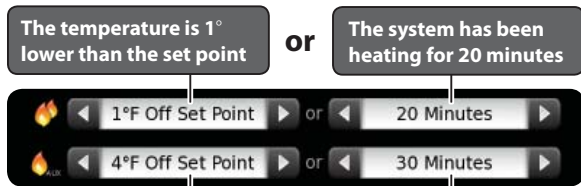
Multistage Control

Many heating and cooling systems have one speed; they are running at 100% capacity or they are off. This is called single-stage equipment. If you have single-stage equipment the **Multistage Control** button will be grayed out and you can ignore the **Multistage Control** settings. Heat pumps with auxiliary heat are considered multistage.

Some equipment may have two or three stages, this is called multi-stage equipment. **Multistage Control** allows you to set when you want the system to go to the next stage. Starting from the lowest capacity to the highest capacity. If you have a heat pump, **Multistage Control** lets you set the conditions to activate auxiliary heat (aux), including multistage auxiliary heat.

Below is a brief description of how to interpret the stage activation criteria:

Second stage heat will start if:



Auxiliary heat will start if:





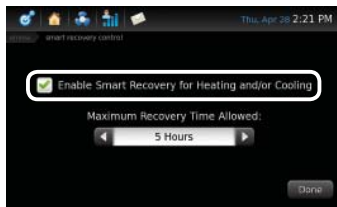
9 Select the Stage Activation Criteria

When you are finished press *Done*.

10 Press Smart Recovery Control

SmartRecovery

SmartRecovery ensures your home or building is the correct temperature following a setback. A setback occurs when a heating setpoint is lowered or a cooling setpoint is raised in order to reduce energy use. Setbacks are usually used when the occupants are sleeping or the building is unoccupied. To reach the correct temperature by the next transition, Emme Core must start conditioning before that transition occurs. Start too early and energy is wasted; start too late and the home or building is uncomfortable. SmartRecovery uses data such as: HVAC equipment type, number of stages, setback, time till setback is scheduled, and the outside temperature to determine the best time to start recovery. This optimizes efficiency and comfort.



11 Set Smart Recovery

Leave checked, or uncheck if you want SmartRecovery disabled.



12 Select the Maximum Recovery Time

In this instance, Emme Core will not begin setback recovery unless it is **5 Hours** or less until the transition. When you are finished press **Done**.



13 Press Done.

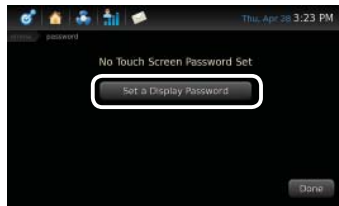
Password Protecting the Display Touch Screen

Emme Core gives you the ability to lock the display touch screen by using a password. Do the following to lock the display unless the correct password is entered:



1 Press the password Button

You may need to scroll right to find it. The **password** screen should appear.



2 Press Set a Display Password



3 Enter Your Password

Press **ok** when you are finished.

NOTE: Write down your password and keep it somewhere for later reference. Once the system is password protected, access can only be gained by entering the password.

The password is case sensitive; ensure the password is entered correctly, using any letters, numbers or symbols that are required.

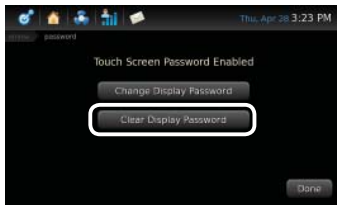
The system will remain unlocked until the screen dims, after which it will need to be unlocked with the password to gain access.

Disabling Password Protection



1 Press the **password** Button

You may need to scroll right to find it. The **password** screen should appear.



2 Press **Clear Display Password**

SmartSensors

SmartSensors are small, wireless, temperature sensors that can be linked to Emme Core. SmartSensors provide additional temperature information that improve Emme Core smart features such as SmartCirculation, SmartSetback, and SmartRecovery.

In addition, you can use a wireless SmartSensor as the primary sensor for Emme Core. Instead of using the temperature sensor at the Display and Control Unit, Emme Core can use any SmartSensor that you designate. Not only will it display the temperature from the SmartSensor, but it will also use that temperature to make heating and cooling decisions. It's like moving the thermostat to where the SmartSensor is located.

Finally, you can schedule which SmartSensor to use as the reference temperature for each transition in your schedule. For instance, you can use the SmartSensor in your bedroom as the reference temperature in the morning, and the SmartSensor in the family room as the reference temperature in the evening.

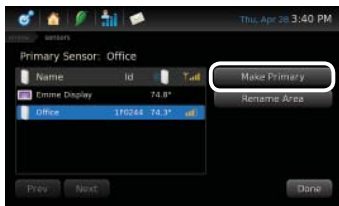
Selecting a SmartSensor to Use as the Primary Temperature



1 Press the *sensors* Button



2 Select the Sensor
Press the sensor you want to use as the primary temperature, the background will change to blue when selected.



3 Press *Make Selected Primary*

Press **Done** when you are finished.



4 Verify the Selection

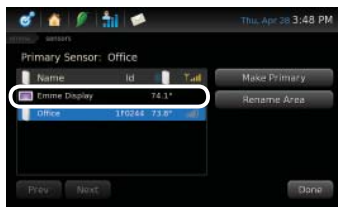
Above the temperature it should now display the SmartSensor name (in this case **Office**).

Making the Display and Control Unit the Primary Temperature

1 Press the *sensors* Button



2 Press *Emme Display* in the list.



NOTE: The primary sensor should be the one you want to use in your schedules most often.



3 Press the *Make Primary* button

The text to the left of *Primary Sensor:* will say *Emme Display*. When you are finished press *Done*.



4 Verify the Selection

Above the temperature it should display *inside*.

Renaming a SmartSensor



1 Press the *sensors* Button



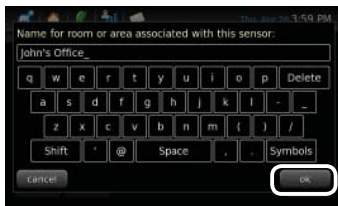
2 Select the Sensor You Want to Rename

Press the sensor you want to rename, the background will change to blue when selected.



3 Press *Rename Area*

NOTE: If you are using sensors in the current schedule the Main Screen may not show *inside* even though you've made the display the primary temperature sensor.



4 Use the Keyboard to Rename the Sensor

Press **ok** when you are finished.



5 Verify the Name Has Changed

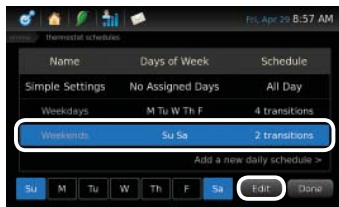
Press **Done** when you are finished.

Assigning a SmartSensor to a Temperature Schedule Transition

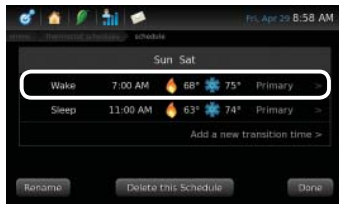
You can use any SmartSensor in your home or building as the reference temperature for your schedule transitions. In this example, we'll use the family room SmartSensor as the reference temperature on weekends between 7:00AM and 11:00PM.



1 Press the schedule Button



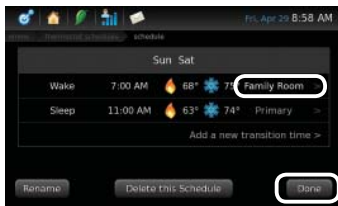
2 Select the Correct Schedule Press Edit.



3 Press the Transition

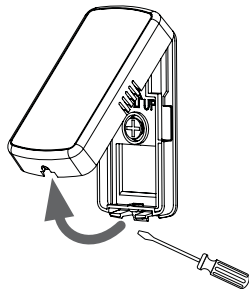


- 4 Select the Sensor**
Press **Done** when you are finished.



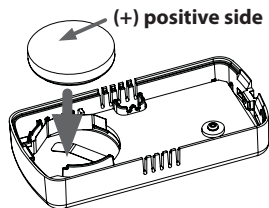
- 5 Verify the Selection**
The transition should now display the SmartSensor name. Press **Done** when you are finished.

Replacing the SmartSensor Battery



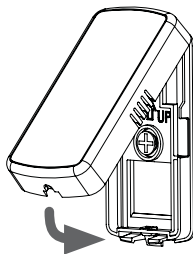
1 Remove the Back Plate

Pry the sensor apart slowly from the bottom. If needed, place a small flat-head screw driver in the slot at the bottom of the sensor and twist gently.



2 Install the Battery

Remove the battery from the holder. Replace the battery with a CR2450.



3 Attach the Cover

When the back plate is mounted carefully attach the sensor cover to the back plate; attach the top of sensor first and gently push the bottom until it locks into place.

Technical Support

If assistance is required, our Technical Support team is available to answer your questions:

Technical Support: 1-877-509-1200

Email Support: support@getEmme.com



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