

Getting the Most From Your Heat Pump

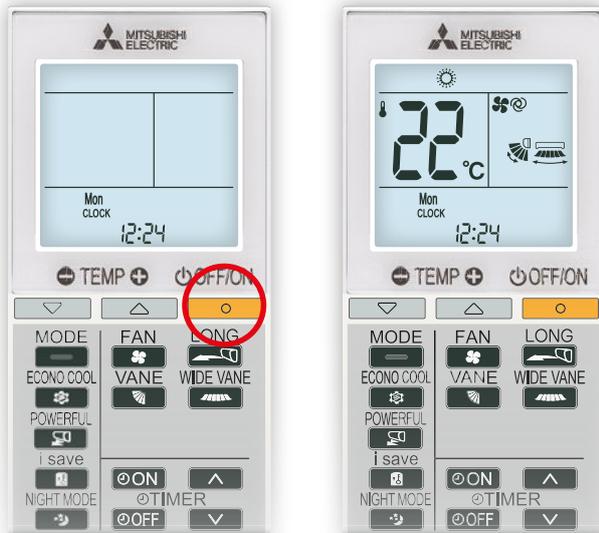
An easy to follow guide for your Mitsubishi Electric Heat Pump.



How to Use Your Heat Pump Remote Control

This is your quick and simple guide on how to navigate your heat pump remote control so you can enjoy year-round comfort!

Please note that these instructions only cover the basic heat pump functions. Also, your remote controller may look different depending on your chosen model with additional functions that are covered in your user manual.



Turning your Heat Pump ON and OFF

To turn your heat pump on or off, press the orange  ON/OFF button.

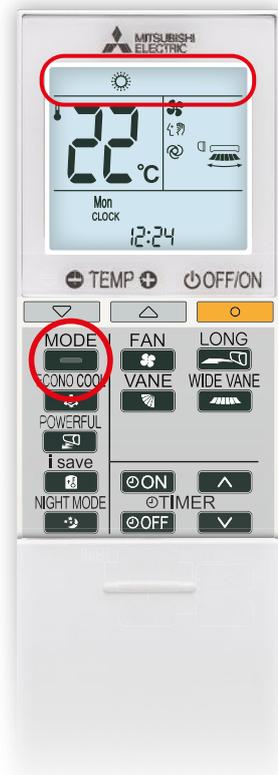
Operating Modes

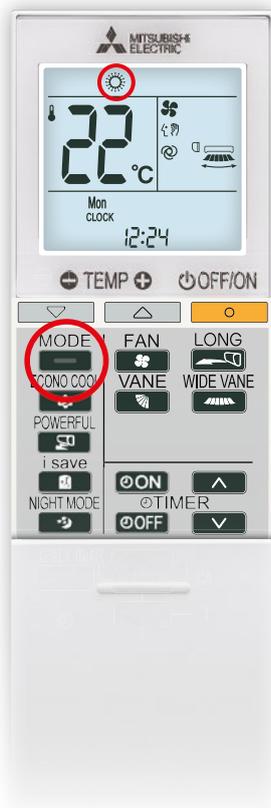
Your heat pump can perform in several functions, the main being the Heating Mode and the Cooling Mode. Other functions are Auto, Dry, and Fan Mode.

Each time you press the  MODE button a different operation mode is selected.

The graphic below shows the sequence of the different operation modes.

The corresponding symbols will be displayed at the top of the remote control screen.





Winter Heating Mode

STEP 1 – Set Heating Mode

Press the  MODE button and select heating which is represented by the  (sun) symbol.

STEP 2 – Set Temperature

Press the  (down) and  (up) buttons to adjust the desired temperature.

Optimum Heating Temperature Guide

We recommend 18–22°C for a comfortable environment. If you prefer your home on the warmer side then we suggest 22°C.

IMPORTANT!

Setting a higher temperature is not going to heat a room quicker. In fact the heat pump is forced to work harder to achieve this temperature and is likely to increase power usage!

TIP!

Keep your curtains closed while the heat pump is in Heating Mode, to ensure that warm air is retained inside the room.

Summer Cooling Mode

STEP 1 – Set Cooling Mode

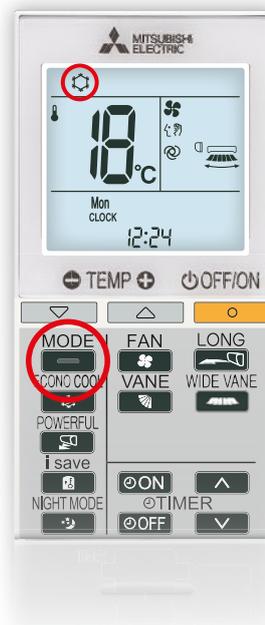
Press the  MODE button and select cooling which is represented by the  (snowflake) symbol.

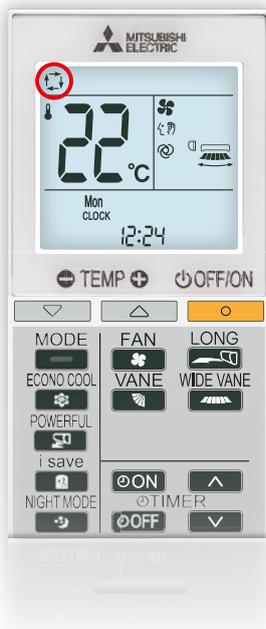
STEP 2 – Set Temperature

Press the  (down) and  (up) buttons to adjust the desired temperature.

Optimum Cooling Temperature Guide

We recommend 18–20°C for a comfortable environment.





Auto Mode

In Auto Mode – which is represented by this  symbol – the unit will automatically adjust itself between Heating and Cooling Mode to maintain the set temperature.

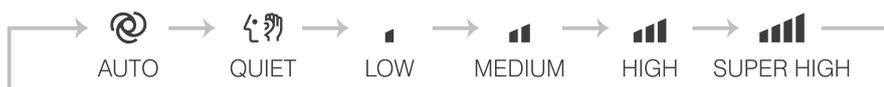


Rather than using the Auto Mode we recommend using either the Heating  or Cooling  Mode based on the season.

Controlling the Airflow

Adjusting the Fan Speed

Press the  FAN button repeatedly to select the appropriate fan speed level. To heat or cool a room more quickly, select a higher fan speed.



A fan speed of 1 or 2 (LOW or MEDIUM) is ideal to keep a consistent environment.



Setting a lower fan speed offers a more gentle heating or cooling effect.



To heat or cool more quickly select a higher fan speed.

Auto Fan Speed

Selecting Auto Fan Speed (represented by the  symbol) means that you no longer have to worry about which fan speed is best suited to any particular time of the day.

The fan speed will automatically adjust to quickly get the room to the set temperature (3 or 4 bars) and then drops back (1 or 2 bars) to maintain the room temperature.



How to set a Daily Timer to Turn Your Heat Pump on at a Specific Time

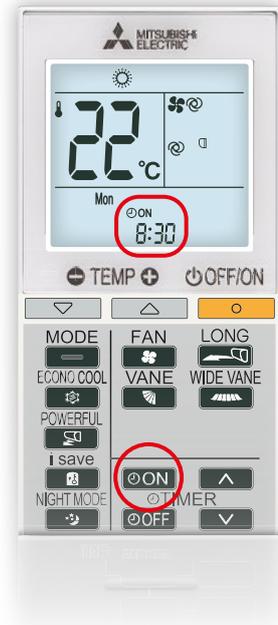
When you go to bed at night, instead of turning the unit off with the  ON/OFF power button, press the  TIMER ON button.

Now you can select the time that you would like the unit to turn on in the morning by using the  up and  down arrow buttons.

In the example on the right the heat pump is set to turn on at 8:30 in the morning.

You can do this again during the day if you are going out and would like the unit to turn on before you arrive home.

Using the Daily Timer function will require you to do this each day as it is a 24 hour timer only.



	Press to SET START TIME
	Press  to INCREASE or  to DECREASE start time by 10 minutes
	Press to SET STOP TIME
	Press  to INCREASE or  to DECREASE stop time by 10 minutes

IMPORTANT!

Your remote controller will need to be set with the correct time and day for the Daily Timer function to operate.

Please remember that the time shown is in a 24 hour format and does not indicate AM and PM.

It is likely that your installer would have set the correct time on your controller, but **if you have any problems please call our Customer Service Team on 0800 784 382.**



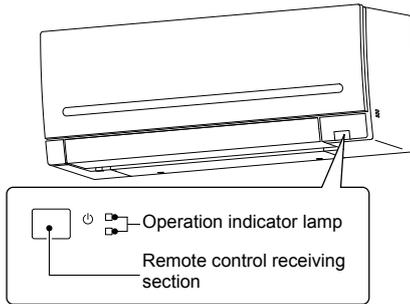
The Weekly Timer

Your remote controller also features a Weekly Timer function which allows you to set up to four start and stop times for each day of the week.

For more information on how to set the Weekly Timer, **please refer to your user manual, visit our website or please call our Customer Service Team on 0800 784 382.**

Frequently Asked Questions

How do I know if my room has reached the set temperature?



Our Mitsubishi Electric Heat Pumps have two indicator lights on the bottom right corner of the indoor unit that are connected up to a built-in indoor temperature sensor.

These two indicator lights will tell you the temperature status of your heat pump.

Two green lights

This indicates that your heat pump has not yet reached the set temperature and the system is working to heat or cool your room.

The indoor temperature sensors are intuitive and will identify temperature drops or increases over 2°C from the set temperature of your heat pump.

As a result the fan speed will automatically increase to start heating or cooling the room until the set temperature is reached.

One green light

This indicates that the heat pump is within 2°C of your set temperature. As a result the fan speed will automatically reduce in order to keep airflow circulating in the room.

My heat pump has reached the set temperature but it looks like it is still running

Our Mitsubishi Electric Heat Pumps utilise inverter technology, which means they intuitively increase or decrease operation to achieve your desired temperature.



Non-Inverter Heat Pump

Continuously switching between sprinting and resting wastes more energy.



Inverter Heat Pump

Maintaining a steady pace and making small adjustments is more energy-efficient.

Heat pumps with old technology (fixed speed systems) used to turn on and off like an electric heater, which meant that increased amounts of power were required during this action.

When your heat pump has reached the set temperature, it will ramp down but continue to circulate the room air. It is important that it does this as it aids in better heat distribution throughout your whole room; improving air circulation and enabling the system to correctly sense the whole room temperature.

The air being circulated by the heat pump may not feel very warm (when the system is in Heating Mode) as it is not producing heat. The air will be at room temperature so may feel cooler than the air you feel while the system is in heating operation.

Rest assured, when the heat pump senses a drop or increase in room temperature, it will begin to heat or cool again depending on the mode selected.

If I turn my heat pump up to 28°C will it heat the room faster?

A heat pump should not be operated like a radiant heater.

Turning your heat pump up to 28°C will not make the room warm up any faster. In fact, it will use more energy as the heat pump attempts to absorb energy to achieve this unrealistic temperature.

By setting the temperature to what is actually required, the heat pump will respond in the most efficient way and will reach this temperature quickly and continue to maintain it – without any further adjustment.

We recommend a temperature between 18–22°C for a comfortable environment. If you prefer your home on the warmer side in winter then we suggest 22°C.

Should I use my heat pump 24 hours a day?

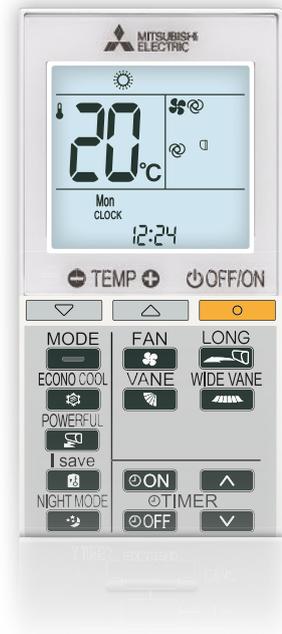
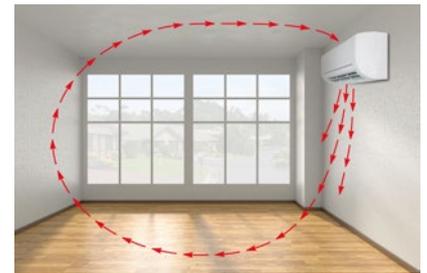
This really depends on your lifestyle and health requirements.

If you are at home for most of the day, then you may choose to run your heat pump at a constant temperature on heating, say about 18–22°C, so that you are always comfortable during the day. When you are ready to go to bed, you can then choose to turn the heat pump off.

Heat pumps are clever and will sense when the room is naturally warmed by the sun and will stop heating if not required.

The heat pump will then start heating again automatically if the room temperature falls.

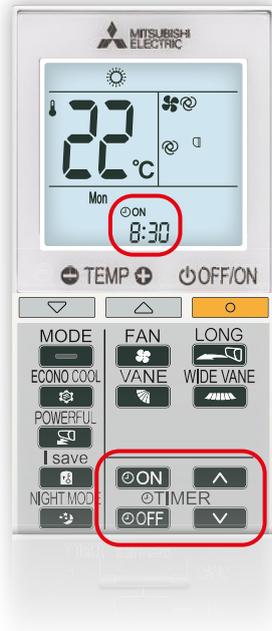
You can see this by looking at the 2 heat pump indicator lights on the front of your heat pump.



Should I leave my heat pump running overnight?

This is very much a personal preference.

But, while sleeping, your body does not have the same sort of temperature requirements as it does during the day.



If you like your environment to stay nice and warm then you could run the heat pump overnight at a lower temperature than you would run it during the day for example between 16–18°C.

Reducing the temperature before you go to sleep at night will ensure that you are not using excessive power to maintain a high temperature that you are not awake to enjoy.

TIP!

Alternatively you could use the timer on the heat pump to have it turn on 30 minutes before you normally wake up in the morning, so that the room is toasty warm for you when you get out of bed.



Should I leave my heat pump on if I leave home during the day?

If you are going to be out for a few hours or most of the day, then it is more economical to turn your heat pump off so you are not heating an unoccupied space.

On a sunny day this means that the unit will be utilising the warmth that is already in the house from the sun, and it will not have to heat the room up from a much lower temperature.

TIP!

We suggest that you use the Timer function to have the heat pump turn on around the time you lose the sun or 30 minutes before you are expected to return home.

Should I pre-cool or not?

Pre-cooling a room is not recommended. With summer cooling we recommend you use the heat pump only when you feel too warm and for shorter periods of time.

This will ensure that you are not experiencing larger than desired power bills whilst maintaining comfort levels.

Does a heat pump prevent condensation?

The simple answer is no.

While a heat pump's primary purpose is to heat or cool your room, our heat pumps offer limited dehumidification in Dry Mode.

It is important to note that when the heat pump is operating in Dry Mode, the unit is not heating, so it is recommended to only use the Dry Mode for shorter periods of time and when heating is not required.

While good airflow does help to prevent moisture build up, specialised moisture control products such as the Mitsubishi Electric Lossnay Home Ventilation System or a Mitsubishi Electric Oasis Dehumidifier may be required to specifically address excess moisture concerns and assist with fresh air ventilation.

What is Defrost Mode?

All heat pumps will from time to time perform a defrost cycle when operating in cold winter conditions.

This is normal to remove ice build up from the outdoor unit. In Defrost Mode the heat pump stops heating for short periods.

Some heat pump brands spend longer in defrost than others. This is part of what makes Mitsubishi Electric Heat Pumps so efficient.

With a Mitsubishi Electric Heat Pump you get more heat and less defrost cycles, which means less overall power usage and higher energy efficiency.



Quick Overview of Your Remote Control

POWER AND TEMPERATURE CONTROLS

	ON/OFF – press to turn your heat pump on and press again to turn it off
	Reduce Temperature – press to move the target room temperature down by 1°C
	Increase Temperature – press to move the target room temperature up by 1°C

MODE SELECTION

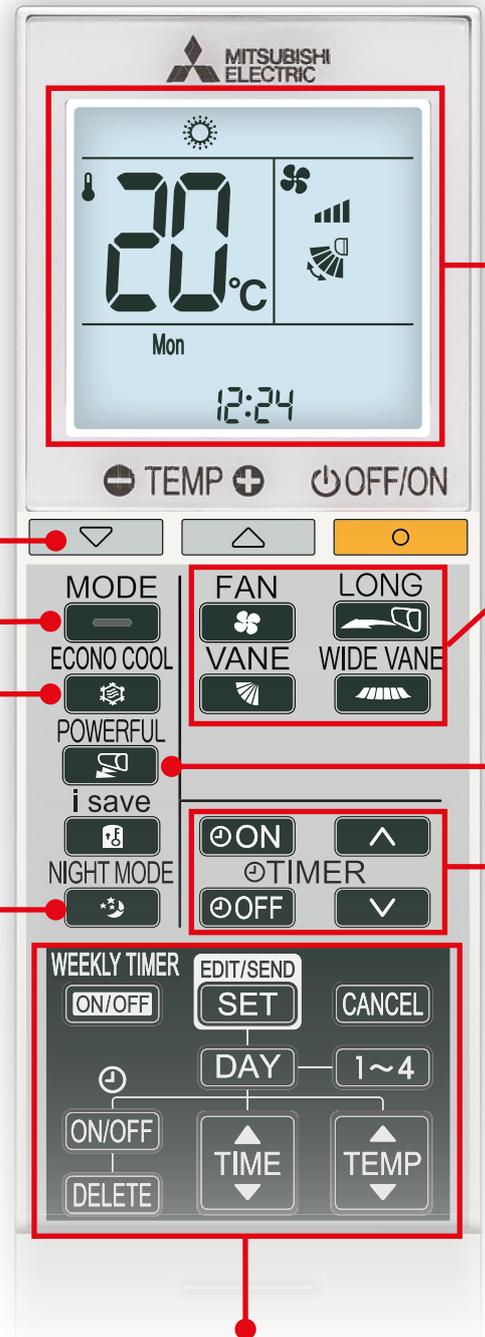
	Press to select from the following operating modes:
	AUTO – unit automatically adjusts itself to heat or cool to maintain the set temperature. NOTE: We recommend using either Heat  or Cool  based on the season.
	COOL – Cooling Mode. Your heat pump will be supplying cool air.
	DRY – Dehumidifying Mode. In this mode your heat pump is not trying to reach the set temperature.
	HEAT – Heating Mode. Your heat pump will be supplying warm air.
	FAN – Fan Mode. Circulate the air in your room without any heating or cooling.

ECONO COOL

	Press to start Econo Cool. This changes the unit to 'swing' airflow to create a breeze effect. Press again to turn Econo Cool off.
---	--

NIGHT MODE

	Press to start Night Mode. This changes the brightness of the operation indicator, disables the beep sounds and limits the noise level of the outdoor unit.
---	---



WEEKLY TIMER

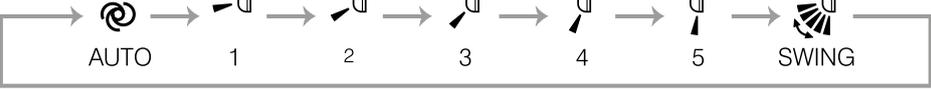
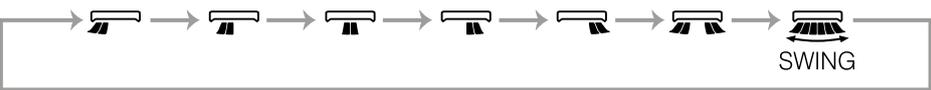
The Weekly Timer allows you to set up to four start and stop times for each day of the week.

For more information on how to set the Weekly Timer, please refer to your user manual, visit our website or please call our Customer Service Team on 0800 784 382.

DIGITAL DISPLAY ICONS

	Operating Mode
	Fan Speed
	Airflow Direction
	Target Room Temperature
	Clock and Day

AIRFLOW CONTROL

	<p>FAN SPEED – Press to select a fan speed from the following options:</p> 
	<p>UP-DOWN AIRFLOW DIRECTION – Press to select a vane position from the following options:</p>  <p>Airflow is best angled down, but avoid directing air where people sit or sleep.</p>
	<p>LONG AIRFLOW* – Press to start long airflow. Fan speed increases and horizontal vanes adjust to ensure air reaches a longer distance.</p>
	<p>LEFT-RIGHT AIRFLOW DIRECTION* – Press to select a horizontal airflow direction in the following order:</p> 

POWERFUL MODE*

	<p>Press to start Powerful Mode. This temporarily boosts the airflow in Heating or Cooling Mode and automatically cancels itself after 15 minutes.</p>
---	--

TIMER CONTROL

	Press to SET START TIME
	Press  to INCREASE or  to DECREASE start time by 10 minutes
	Press to SET STOP TIME
	Press  to INCREASE or  to DECREASE stop time by 10 minutes

NOTE: The clock and day need to be set correctly for the timer control settings to work.

* Long Airflow, Wide Vane and Powerful Mode are available on the AP60/71/80 models only.

Heat Pump Maintenance

Cleaning your heat pump regularly ensures optimum operation by reducing unnecessary power consumption; increasing energy efficiency and limiting exposure to condensation.

Indoor Unit

We recommend cleaning your heat pump filters with every seasonal change. You can do this yourself by using a domestic vacuum cleaner with a small brush attachment.



Outdoor Unit

We recommend cleaning your outdoor unit every 6 months. You can do this yourself by clearing any rubbish, plant matter or debris from around the unit. Wash the outdoor unit and coil with a detergent (car wash liquid is ideal, do not use other detergent i.e. dish washing liquid) and hose down afterwards.

It is also important that you do not place any outdoor furniture, plants or ornaments on or around your outdoor unit. Anything that compromises the airflow around the outdoor unit will compromise its performance.



TIP!

If you prefer you can organise a service company to regularly clean and service your heat pump indoor and outdoor unit for you. Please contact our Customer Service Team on 0800 784 382 for assistance.

Should you encounter any issue with your heat pump, please contact us.

Call Customer Service on 0800 784 382

or visit www.mitsubishi-electric.co.nz/support for additional support documentation.