

Soft Air Surrounds You In Comfort

# LG DUALCOOL™

Premium / Deluxe



## Why LG DUALCOOL™?



### Comfortable Air Flow

Enjoy a perfectly balanced breeze through multiple vanes and indirect air flow. Stay refreshed with automatic dehumidification matching your desired temperature. "Enjoy a Perfectly Balanced Breeze and Ideal Humidity, Tailored Just for You."



### Proactive Energy Saving

Avoid worrying about unexpected electricity bills with kW manager. Human detecting sensor and window open detection actively save energy without having to worry about it.



### Total Air Care

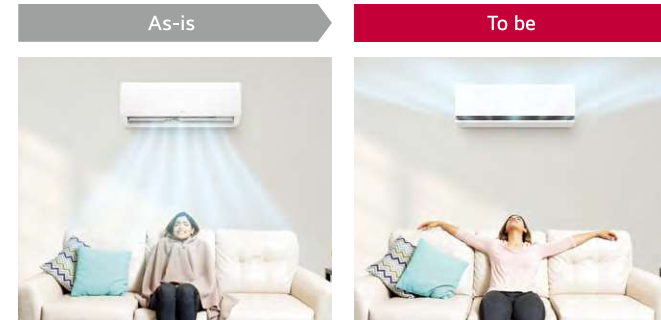
A multi-step filtration process with Freeze Cleaning that purifies the air, removes dust and bacteria, ensuring the air you breathe is always fresh.



# Key Feature

## Soft Air

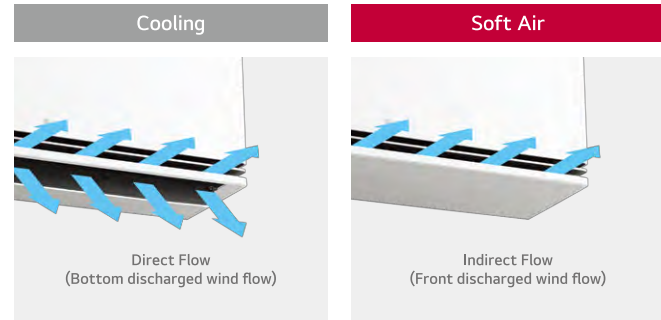
Stay comfortably cool with no chilly drafts and personalize breeze range and temperature.  
 ※ When connected Multi ODU, soft air function may not be supported.



When turned on, it becomes too cold, and if turned off, it becomes too hot. Additionally, when lying down on the bed, the direct cold wind can quickly make you feel uncomfortably cold.

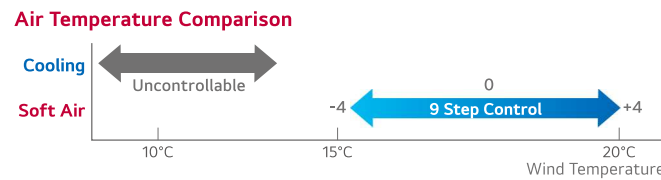
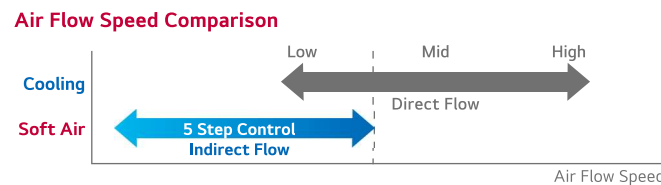
Experience a shift from excessive cold to a more comfortable and pleasant airflow—a fine-tuned wind flow for your comfort.

## Comfortable Air Flow



**Cooling**  
Room Temp. Control → Always cold wind

**Soft Air**  
Wind Temp. Control → A pleasant, comfortable wind



※ This function can be applied Cooling / Fan mode only.  
 ※ Wind temperature can be controlled through remote controller or LG ThinQ app.  
 ※ Setting room temperature can be controlled through LG ThinQ app only.  
 ※ The wind temperature is displayed on the remote controller only in step (-4 to +4), and the temperature is not displayed.  
 ※ This feature is available when the indoor temperature is below 28°C.

## Comfort Humidity Control

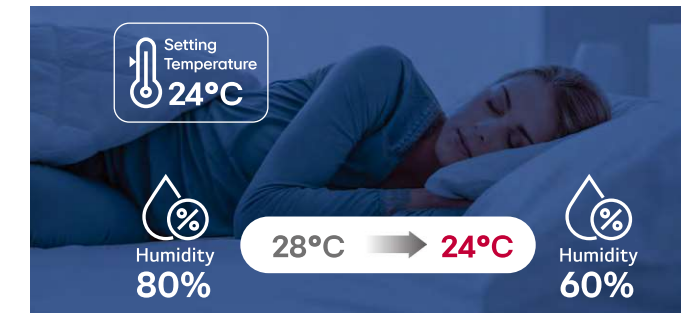
No excess chill, Comfort Humidity Control perfects your home with humidity optimized to your desired temperature.

## Comfortable Air Flow

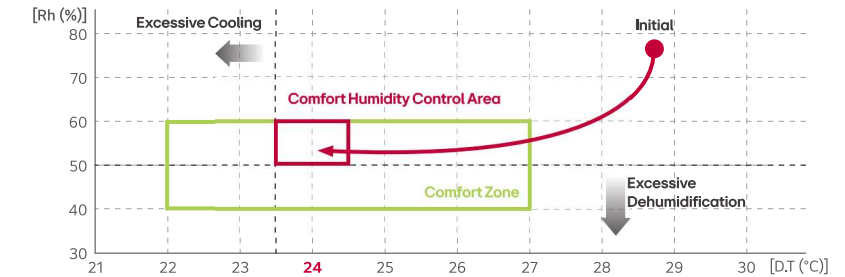
### Conventional



### LG DUALCOOL



### Operation Example (24°C Setting)



※ The air flow changes automatically based on the operating environment.  
 ※ This function can be used through remote controller and LG ThinQ app.  
 ※ The humidity is automatically controlled according to the temperature set by the customer.

## DUAL Vane

Dual Vane spreads airflow up or down, further and faster, for ideal comfort in any season.



### Longer Stream Wind

Two separated vanes are combined to create one large single vane with the longer vane shape, the Dual Vane can send airflow further than conventional models.

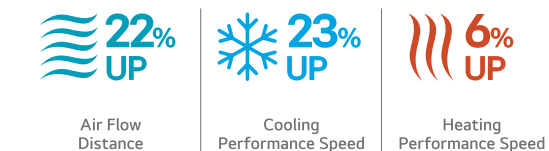
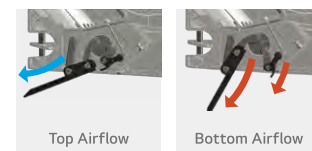
### Indirect Flow

Dual Vane provide indirect mode for more comfortable experience compared to single vane. It provides that cold wind blows down from above of head, hot wind comes up from underneath of feet, reducing the discomfort of direct wind contact.



### Faster Cooling & Heating

Dual Vane can provide optimized airflow that single vane can not achieve. It enables cooling up to 23% faster and heating up to 6% faster than single vane.



※ Performance comparison vs Single Vane

- 1) Date 2023.06, Measurement results in LG air conditioner test chamber, installation height 1.8 m, Fan mode. Using a wind speed probe, the height range from 0.1 to 1.7 m is measured in 0.2 m increments. Measures the maximum distance reached by airflow more than 0.25 m/s speed from the products
- 2) Date 2023.10 LG air conditioner home environment testing chamber, 20.9 m<sup>3</sup>/50.1 m<sup>3</sup>, Jet Mode, Indoor DB (33±0.3)°C / RH (60±5)%, Outdoor DB (35±0.3)°C / RH (50±5)% 18°C setting on cooling mode, Indoor DB (12±0.3)°C / RH (60±5)%, Outdoor DB (7±0.3)°C / RH (87±5)% 30°C setting on heating mode, measured the time took reduce 5°C (for Cooling) / rise 5°C (for heating), from the initial average room temperature. Test Model : S3-M12KL2MB (SK), S3-M12L1C0 (S1 New Platform)

## kW Manager by LG ThinQ

Stay cool. kW Manager lets you take control of your energy usage and spending proactively.  
 ※ When connected to Multi ODU, this function is not supported.

## Proactive Energy Saving

**Easily manage electricity usage**  
**Smart energy saving**

Conventional

Monthly Consumption

LG DUALCOOL

Monthly Consumption

Energy Saving

**ThinQ™**



## Human Detecting Sensor

### Proactive Energy Saving

Human Detection Sensor's location detector provides comfy airflow control and auto power-savings.

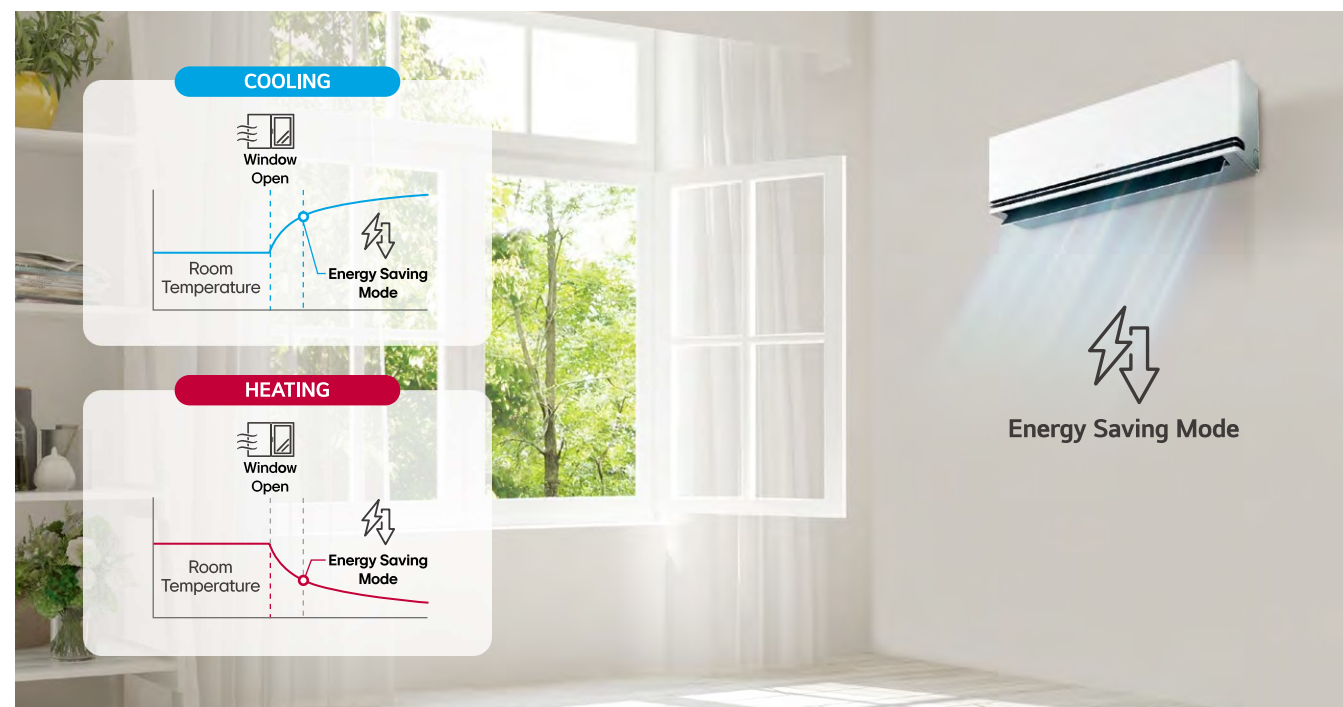


- ※ This function can be turned on/off through remote controller or LG ThinQ app.
- ※ The "Human Detection Sensor" only activates cooling and heating mode.
- ※ The judgment time of absence human detection can be set from 20 to 120 min through LG ThinQ app (Default 20 min).
- ※ Human body detection covers 100 degrees left and right based on the product, and the maximum detection distance is 5 m.
- ※ Depending on usage conditions, sensor detection range may be shortened.

## Window Open Detecting

### Proactive Energy Saving

Reduces energy loss as energy saving mode starts automatically during sudden temperature changes. Prevents condensation when window open.



- ※ The initial setting is off when the product is shipped.
- ※ This function can be set up through LG ThinQ app only.
- ※ The "Window open detection" function is available in Cooling and Heating mode only.
- ※ The default energy saving mode operating time is 10 minutes and can be set up to 60 minutes through LG ThinQ app.

## Total Air Care

### Total Air Care

A multi-step filtration process with Freeze Cleaning that purifies the air, removing dust and even bacteria, ensuring the air you breathe is always fresh.



## How It Works

