# DELUXE HIGH WALL MINI SPLIT OWNER'S MANUAL

#### SPLIT TYPE ROOM AIR CONDITIONER

- Please read carefully and thoroughly this manual before operating this unit.
- Contact a qualified service technician for installation, repair and maintenance of this unit.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.



		Safety precaut	ions	
Safety Precautions	Safety Precautions Warning	To prevent injury to the user or other following instructions must be followe Incorrect operation due to ignorin damage, the seriousness is class	d. g of instruction will cause harm or	
	Preparation before operation .4 Remote Control Features5 Operation Mode Selection7 Additional features	MARNING      This symbol indicates the possion     A CAUTION      This symbol indicates the poss properties only.	ibility of injury or damage to	
Operating Instructions	Care and Maintenance Care and Maintenance16 Operation Tips	<ul> <li>Installation precautions</li> <li>Image: Market and the second second</li></ul>		
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enanc	Plug in the power plug properly	Do not operate or stop the unit by inserting or pulling out the power plug	Do not damage or use an unspecified power cord.	
Care and Maintenance	<ul> <li>Otherwise, it will cause electrical shock or fire due to heat generation.</li> </ul>	<ul> <li>It will cause electrical shock or fire due to heat generation.</li> </ul>	<ul> <li>It will cause electrical shock or fire.</li> <li>If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.</li> </ul>	
	Do not modify power cord length or share the outlet with other appliances.	Do not operate with wet	Do not insert anything into the air inlet/air outlet.	
g Tips	<ul> <li>It will cause electrical shock or fire due to heat generation.</li> </ul>	<ul> <li>It may cause electrical shock.</li> </ul>	<ul> <li>Since the fan rotates at high speed, this may cause an injury or damage the unit.</li> </ul>	
Iroubleshooting	Do not expose the skin directly to cool air for long periods of time.	When an abnormality (smell of burning, etc) occurs, stop the air conditioner, and disconnect the power plug or turn off the breaker.	Repair or relocation should not be done by the customer.	
Irouble	This could damage your health.	<ul> <li>If the unit continues to be operated in an abnormal condition, it may cause a fire, damage, etc. In this case, consult your dealer.</li> </ul>	<ul> <li>If this is done incorrectly, it may cause a fire, electric shock, injury by dropping of the unit, water leakage, etc. Consult your dealer.</li> </ul>	



furniture, etc.

- Do not step on the indoor/outdoor unit and do not put anything on it.
- It may cause an injury through dropping or falling

Do not step onto an unstable bench when cleaning and/or maintaining the unit.

 It may cause an injury, etc. by falling down.

With a stove, e · An oxygen shortage may

# Preparation before operation

#### How to Insert the Batteries

- Remove the battery cover by pulling it according to the arrow direction.
- Insert new batteries making sure that the (+) and (-) of battery are installed correctly.
- **3** Reattach the cover by sliding it back into position.

#### NOTES:

• Use 2 AAA(1.5volt) batteries. Do not use rechargeable batteries.

#### Storage and Tips For Using the Remote Control

• The remote control may be stored mounted on a wall.



• To operate the room air conditioner, aim the remote control at the signal receptor.



#### Signal Receptor

Receives the signals from the remote control.(Signal receiving sound: two short beeps or one long beep.)

#### **Operation Indication Lamps**

$\bigcirc$	On/Off	: Lights up during the system operation.	
Θ	Timer or Sleep Mode	: Lights up during Timer operation or Sleep mode	
ð	Defrost Mode	: Lights up during Defrost Mode or Hot Start operation (Heat pump model only)	
OUT DOOR	Outdoor unit operation	: Lights up during outdoor unit operation. (Cooling model only)	
PLASMA	Plasma Mode	: Lights up during plasma-purification operation. (option)	Signal
<b>—</b>	Auto Restart Mode	: Lights up during if Restart Button is pressed.	
	Auto Restart Button	: In failure of electric power, if the button is pressed the unit runs as previous setting operation when power returns.	Operation indication lamps
	Forced Operation Button	: Operation starts, when this button is pressed and stops when you press the button again.	



# About the remote control on the system

The remote control transmits the signals to the system.



# How to use the Operation Mode Selection button



#### Natural wind by the CHAOS logic

G For more fresh feeling than other fan speed, press the Indoor Fan Speed Selector and set to CHAOS mode. In this mode, the wind blows like natural breeze by automatically changing fan speed according to the CHAOS logic.



#### During Auto Operation:

- □ You cannot switch the indoor fan speed. It has already been set by the Fuzzy rule.
- □ If the system is not operating as desired, manually switch to another mode. The system will not automatically switch from the cooling mode to the heating mode, or from heating mode to cooling mode, it must be done by manually resetting.
- During Auto Operation, pressing the chaos swing button makes the horizontal louvers swing up and down automatically. If you want to stop auto-swing, press the chaos swing button again.



#### During Healthy Dehumidification Operation:

If you select the dehumidification mode on the operation selection button, the A/C starts to run the dehumidification function. It automatically sets the room temp, and airflow volume to the best condition for dehumidification, based on the sensed current room temp.

In this case, however, the setting temp, is not displayed in the remote control and you are not able to control the room temp, either,

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During the healthy dehumidification function, the airflow volume is automatically set according to the optimization algorithm responding to the current room temp. status which makes the room condition healthy and comfortable even in the high humidity season.



#### Natural wind by the CHAOS logic

□ For more fresh feeling than other fan speed, press the Indoor Fan Speed Selector and set to CHAOS mode. In this mode, the wind blows like natural breeze by automatically changing fan speed according to the CHAOS logic.



#### NOTE:

- During the JET COOL function at any moment, the A/C starts to blow the cool air at extremely high speed for 30 minutes setting the room temp. automatically to 18°C. It is especially used to cool the room temp. in the shortest time in a hot summer.
- In heat pump mode or neuro fuzzy mode, however, the JET COOL function is not available.
- □ In order to return to the normal cooling mode from the JET COOL mode, you just press either the operation mode selection button, airflow volume selection or temp. setting button or the JET COOL button again.



#### PLASMA Air Purifying Operation only



If you press the only PLASMA button, only PLASMA air purifying operates. Then, fan speed is low. You can select the fan speed in four steps-low, medium, high or CHAOS.

Each time the button ( ) is pressed, the fan speed mode is shifted.



# Additional features



### Sleep Mode

Press the Sleep Mode Auto button to set the time you want the unit to turn off automatically.

The Timer is programmed in one-hour increments by pressing the Sleep Mode Auto button 1 to 7 times.

The sleep mode is available for 1 to 7 times. To alter the time period in steps of 1 hour, press the Sleep Mode Button while aiming at air conditioner



Make sure the Sleep Mode Auto LED lights up.



### Setting the Time



Time can be set only when you have pressed the Reset button. If you have just replaced the batteries, the Reset button should be pressed to reset the time.

Press the Start/Stop button.

Press 2nd F button and check if 2nd F icon is on.





# Delay Start/Pre-Set Stop





Press 2nd F button. 2nd F Press the ON/OFF Timer



Press the Time Setting buttons until the desired time is set.



#### **NOTE:** Select one of the following four types of operation.



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To cancel the Sleep Mode, press the sleep Mode Auto button several times until the star ( ) disappears from the operation display.

Note: The Sleep Mode will be operated at slow fan speed (cooling) or medium fan speed (heat pump only) for quiet sleeping.

IN COOLING MODE OR HEALTHY DEHUMIDIFICATION MODE: The temperature will automatically rise by 1°C over the next 30 minutes and by 2°C in 1 hour for comfortable sleeping.









Note: Check the indicator for A.M. and P.M.



# aiming the remote control at the signal



receptor.



Check if 2nd F icon is off. Press the Timer Cancel button while aiming remote control at the signal receptor.

(The timer lamp on the air conditioner and the display will go out.)

### Vertical Airflow Direction Control

The up/down airflow (Vertical Airflow) can be adjusted by using the remote control.



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Press the Start/Stop button to start the unit.

Open the door on the remote control. Press Chaos Swing button and the louvers will swing up and down. Press the Chaos Swing button again to set the vertical louver at the desired airflow direction



#### Note:

- If you press the CHAOS swing button, the horizontal airflow direction is changed automatically based on the CHAOS algorithm to distribute the air in the room evenly and at the same time to make the human body feel most comfortable, as if enjoying a natural breeze.
- Always use the remote control to adjust the up/down airflow direction. Manually moving the vertical airflow direction louver by hand could damage the air conditioner.
- When the unit is shut off, the up/down airflow direction louver will close the air outlet vent of the system.

#### To adjust left/right(Horizontal Airflow) direction

Caution : Ensure unit is turned off before adjusting the horizontal airflow direction control. Carefully open vertical louver to allow access to the horizontal airflow direction.



Adjust the left/right airflow direction by hand.

**Operating Instructions** 

# Horizontal Airflow Direction Control (Option)

The left/right(Horizontal Airflow) can be adjusted by using the remote control Press the Start/Stop button to start the unit.

Open the door on the remote control. Press the Airflow Direction Start/Stop button and the louvers will swing left and right. Press the Horizontal Airflow Direction Control Button again to set the horizontal louver at the desired airflow direction.



## Air Circulation Mode

Circulates the room air without cooling or heating.



Press the Start/Stop button, the unit will respond with a beep.



Open the door on the remote control. Press the Air Circulation button. Close the door on the remote control. Now each time that you press the Indoor Fan Speed Selector, the fan speed is shifted from low to CHAOS and back to low again.



### Note:

CHAOS Air economizes power consumption and prevents overcooling. The fan speed is automatically changed from high to low or vice versa, depending on the ambient temperature.

### The Button Operation

#### FORCED OPERATION

The operation will be started if the power button is pressed.

If you want to stop operation, re-press the button.



	Cooling Model	Heat pump Model		
	Coomig Moder	Room Temp. ≥ 24°C	21°C ≤ Room Temp. < 24°C	Room Temp. < 21°C
Operating mode	Cooling	Cooling	Healthy Dehumidification	Heating
Indoor FAN Speed	High	High	Healthy Dehumidification Rule	High
Setting Temperature	22°C	22°C	23°C	24°C

#### Auto restart

In case the power comes on again after a power failure, Auto Restarting Operation is the function to operate procedures automatically to the previous operating conditions.

If you want to use this operation, press the Auto Restart Button.



#### Helpful information

Fan speed and cooling capacity.

The cooling capacity indicated in the specification is the value when the fan speed is set to high, and the capacity will be lower at low or medium fan speed.

High fan speed is recommended when you wish to cool the room quickly.





# Care and maintenance of the air conditioner

CAUTION: Before performing any maintenance, turn off the main power to the system.

### Indoor Unit

#### Grille, Case, and Remote Control

Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

#### NOTE:

Supply power must be disconnected before cleaning the indoor unit.



Air inlet vent Air outlet vent (behind front panel) Vertical louver Horizontal louver

#### AIR FILTER

The air filters behind the front grille should be checked and cleaned once every 2 weeks or more often if neccessary.



#### PLASMA FILTER, DEODORIZER FILTER(OPTION)

The PLASMA filter behind the air filters should be checked and cleaned once every 3 months or more often if necessary.



- □ Never use any of the followings:
  - Water hotter than 40°C Could cause deformation and/or discoloration
  - Volatile substances Could damage the surfaces of the air conditioner.



- Lift the front access panel and pull the filter tab slightly forward to remove the filter.
- Clean the filter with a vacuum or warm, soapy 2) water
  - · If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
  - If hot water (40°C or more) is used, it may be deformed.
  - After washing with water, dry well in the shade.
  - Re-install the air filter.



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- After removing the air filters, pull slightly forward to remove the PLASMA filter
- Dip the PLASMA filter into the water mixed with neutral detergent, for 20~30 minutes.



Note the cuts of electric discharge lines.

Re-install the PLASMA filter to the original position.



Dry in the sunlight for two hours.

Re-install the DEODORIZER filter to the original position.

Troubleshooting Tips 🕇

#### Replacement of Purifying Filter(Option)

· Recomended use period : About 2 years





### Outdoor Unit

The heat exchanger coils and panel vents of the outdoor unit should be checked regularly. If clogged with dirt or soot, the heat exchanger and panel vents may be professionally steam cleaned.

#### NOTE:

Dirty or clogged coils will reduce the operating efficiency of the system and cause higher operating costs.



ns t			
Safety Precautions	When the air con	ditioner is not going to l	be used for a long time.
fety Pr	When air conditioner is not going used for a long time.	g to be When the a	r conditioner is to be used again.
Sa	Operate the air conditioner on mode (Refer to page 14) for 2	to 3 hours. unit. (Refer t	ne air filter and install it in the indoor o page 16 for cleaning filters.)
tions	This will dry out the internal	mechanisms.	
Operating Instructions	Turn off the circuit breaker, and the plug.	2714527340w	that the air inlet and outlet of the
ating I	Turn off the circuit breaker when the a is not going to be used for a long time	ir conditioner	outdoor unit are not blocked.
Oper	Dirt may collect and may cause a firm	e	
ance	control.		
ainten	Operation Tips		
Care and Maintenance	Do not overcool the room.	Keep blinds or curtains closed.	Keep the room temperature uniform.
Care	This is not good for the health and wastes electricity.	Do not let direct sunshine enter the room when the air conditioner is in operation.	Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.
ting Tips	Make sure that the doors and windows are shut tight.	Clean the air filter regularly.	Ventilate the room occasionally.
Troubleshooting	Avoid opening doors and windows as much as possible to keep the cool air in the room.	Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.	Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.



### Troubleshooting Tips! Save time and money!

Check the following points before requesting repairs or service.... If the fault persists, please contact your dealer or service center.

Case	Explanation	See page
The air conditioner does not operate.	Have you made a mistake in timer operation?     Has the fuse blown or has the circuit breaker     been tripped?	-
The room has a peculiar odor.	<ul> <li>Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.</li> </ul>	-
It seems that condensation is leaking from the air conditioner.	Condensation occurs when the airflow from the air conditioner cools the warm room air.	-
Air conditioner does not operate for about 3 minutes when restarted.	This is the protector of the mechanism.     Wait about three minutes and operation will begin.	-
Does not cool or heat effectively.	<ul> <li>Is the air filter dirty? See air filter cleaning instructions.</li> </ul>	16
	Has the temperature been set incorrectly?	7, 10
	Are the indoor unit's air inlet or outlet vents     obstructed?	-
The air conditioner operation is noisy.	<ul> <li>For a noise that sounds like water flowing.</li> <li>This is the sound of freon flowing inside the air conditioner unit.</li> <li>For a noise that sounds like the compressed air releasing into atmosphere.</li> <li>This is the sound of the dehumidifying water being processed inside the air conditioning unit.</li> </ul>	-
Remote control display is faint, or no display at all.	<ul> <li>Are the batteries depleted?</li> <li>Are the batteries inserted in the opposite (+) and (-) directions?</li> </ul>	4
Crack sound is heard.	This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-