

AireMax APE514H

AireMax Portable Air Conditioner and Heater User Manual

Model: APE514H

PRODUCT OVERVIEW

The AireMax APE514H is a versatile portable air conditioner and heater designed to provide optimal climate control for rooms up to 500 square feet. This unit offers four operating modes: Cool, Fan, Heat, and Dry, ensuring comfort in various conditions. It features three fan speeds, auto-swing top louvers for even air distribution, and a dehumidification capacity of up to 78 pints per day.

Equipped with convenient rolling casters and integrated side handles, the APE514H is easy to move between rooms. The unit includes an adjustable mobile window installation kit suitable for both vertical and horizontal windows, simplifying setup without the need for professional installation.



Figure 1: Front view of the AireMax APE514H Portable Air Conditioner and Heater.

KEY FEATURES

- **4 Operating Modes:** Cool, Fan, Heat, and Dry for comprehensive climate control.
- **Efficient Dehumidification:** Removes up to 78 pints of moisture per day.
- **Portability:** Features four rolling casters and side handles for easy movement.
- **Easy Installation:** Includes an adjustable window installation kit for quick setup.
- **Dual Filtration System:** Two washable filters capture pet hair, dust, and other particles, ensuring efficient operation and cleaner air.
- **User-Friendly Controls:** Soft-white LED display, top-mounted electronic controls, and a multifunction remote control for convenient operation.

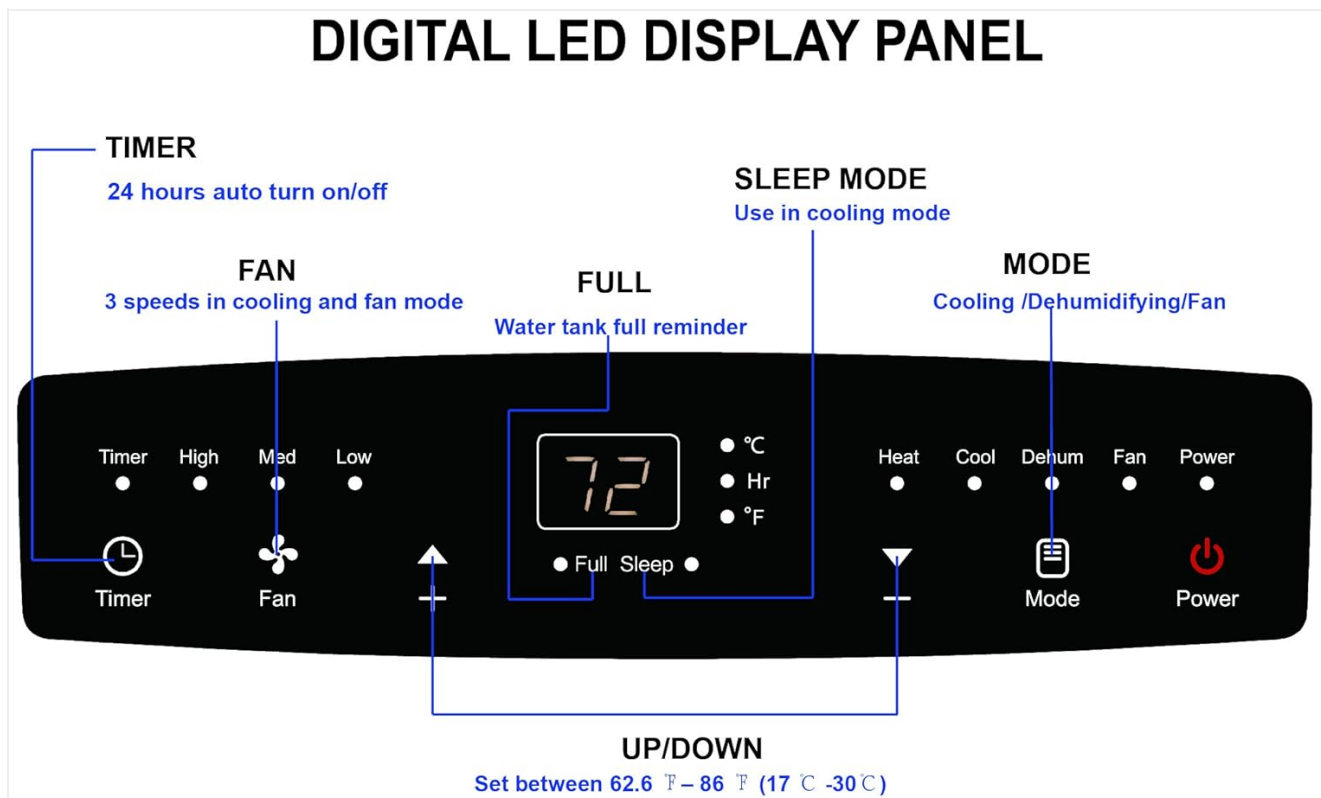


Figure 2: Digital LED Display Panel with controls for Timer, Fan, Full indicator, Temperature Up/Down, Mode, and Power.

SETUP AND INSTALLATION

Unpacking

Carefully remove the unit from its packaging. Ensure all components are present:

- Portable Air Conditioner Unit
- Exhaust Window Installation Kit
- Remote Control (with batteries)
- User Manual (this document)

Placement

Place the unit on a flat, stable surface near a window. Ensure there is at least 20 inches of space around the unit for proper airflow.

Window Kit Installation

1. Attach the exhaust hose to the unit's exhaust connector.
2. Assemble the adjustable window panel. The kit is designed for both vertical and horizontal windows.
3. Insert the window panel into the window opening and extend it to fit snugly.
4. Connect the other end of the exhaust hose to the window panel. Ensure a tight seal to prevent air leakage.



Figure 3: Rear view of the unit showing the exhaust hose connection.



Figure 4: Side view illustrating the exhaust hose extended towards a window.

OPERATING INSTRUCTIONS

Control Panel and Remote Control

The unit can be operated using the top-mounted electronic control panel or the included remote control. The soft-white LED display shows the current settings.





Figure 5: Remote control for convenient operation.

Operating Modes

- **Cool Mode:** For cooling the room. Adjust temperature using the Up/Down buttons.

- **Fan Mode:** Circulates air without cooling. Select from 3 fan speeds (Low, Med, High).
- **Heat Mode:** For heating the room. Adjust temperature using the Up/Down buttons.
- **Dry Mode (Dehumidify):** Removes moisture from the air.

Timer Function

Set the 24-hour auto turn on/off timer to program the unit's operation according to your schedule.

Temperature Setting

The temperature can be set between 62.6°F (17°C) and 86°F (30°C).

MAINTENANCE

Filter Cleaning

The unit is equipped with dual filters to prevent clogging and maintain efficiency. It is recommended to wash and dry the filters periodically.

1. Turn off and unplug the unit before cleaning.
2. Locate and remove the dual filter frames from the back of the unit.
3. Wash the filters with warm, soapy water. Rinse thoroughly.
4. Allow the filters to air dry completely before reinserting them into the unit.

DOUBLE FILTER FRAMES



Dust Removing Filter

EXHAUST CONNECTOR

DOUBLE DRAINAGE HOSES



Figure 6: Rear view highlighting the dual filter frames and exhaust connector.

Water Drainage

The unit features auto-evaporation for most conditions. However, in high humidity environments, the internal water tank may fill up, indicated by a "FULL" reminder on the LED display. When this occurs, the unit will stop operating until drained.

- Place a shallow pan or bucket under the drainage outlet at the bottom rear of the unit.
- Remove the drain plug to allow water to flow out.
- Replace the drain plug once the tank is empty.





Figure 7: Rear view showing the location of the drainage hoses.

If you encounter issues with your AireMax APE514H, please refer to the common problems and solutions below before contacting customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord unplugged, circuit breaker tripped.	Ensure unit is plugged into a working outlet. Check circuit breaker.
Unit not cooling/heating effectively.	Dirty air filters, blocked air intake/exhaust, room size too large, windows/doors open.	Clean air filters. Ensure no obstructions. Close windows/doors. Verify unit capacity for room size.
"FULL" indicator is on.	Water tank is full.	Drain the water tank as per maintenance instructions.
Unit is noisy.	Unit not on a level surface, internal components vibrating.	Place unit on a flat, level surface. Check for loose parts. (Note: 60 dB is normal operating noise).

SPECIFICATIONS

Feature	Detail
Model Number	APE514H
Product Dimensions (D x W x H)	15.1" x 16.9" x 29.2"
Item Weight	70 lbs
Cooling Capacity	14,000 BTU
Cover Area	Up to 500 sq. ft.
Hose Size	11" - 59" (adjustable)
Temperature Range	62.6°F - 86°F (17°C - 30°C)
Voltage	115V/60Hz
Noise Level	60 dB
Dehumidifying Capacity	78 pints/day
Drainage	Auto-evaporation or manual
Filter Type	Mesh (Dual)
Controls	Electronic with LED display, Remote Control



Figure 8: Product dimensions (Depth, Width, Height).

DETAILED PARAMETERS

Model:APE514H



Cooling capacity.....	14000 BTU
Estimated cooling area.....	500 sq.ft max
Power supply.....	115V/60Hz
Rated power consumption.....	1350W/11.9A
Dehumidifying capacity.....	78pints/day
Drainage.....	Auto-evaporation or manual
Air louvers.....	Auto 1-way directional
Noise level (dBA).....	≤60dBA
Unit Weight.....	70 lb
Warranty.....	1 year

Figure 9: Detailed technical parameters of the unit.

Find the correct cooling capacity for your room

Find the corresponding cooling capacity that matches your desired area (square footage). Cooling capacity shown in British thermal units (BTU) per hour.

Area to be cooled (SQ. FT.)	Capacity Needed (BTU)
150 SQ. FT.	5,000
UP TO 250 SQ. FT.	6,000
UP TO 300 SQ. FT.	7,000
UP TO 350 SQ. FT.	8,000
UP TO 400 SQ. FT.	9,000
UP TO 450 SQ. FT.	10,000
UP TO 550 SQ. FT.	12,000
UP TO 700 SQ. FT.	14,000
UP TO 1000 SQ. FT.	18,000
UP TO 1200 SQ. FT.	21,000
UP TO 1400 SQ. FT.	23,000
UP TO 1500 SQ. FT.	24,000

Adjustment as necessary

Make any adjustments for the following circumstance:

- i. If the room is heavily shaded, reduce capacity by 10 percent.
- ii. If the room is very sunny, increase capacity by 10 percent.
- iii. If more than two people regularly occupy the room, add 600 BTUs for each additional person.
- iv. If the unit is used in a kitchen, increase capacity by 4,000 BTUs.

Figure 10: Guide to finding the correct cooling capacity for your room, including adjustments for specific conditions.

WARRANTY AND SUPPORT






The AireMax APE514H Portable Air Conditioner and Heater comes with a **1-year warranty** covering parts and labor from the date of purchase.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact AireMax customer support. Refer to the product packaging or the official AireMax website for the most current contact information.

Please have your model number (APE514H) and proof of purchase ready when contacting support.

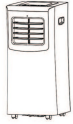
© 2024 AireMax. All rights reserved.

Related Documents - APE514H

<div></div> <div>These are instructions for setting up, using, and maintaining the AIREMAX portable air conditioner. Please read these instructions carefully before using the unit.</div>	<div>AIREMAX APE514H Portable Air Conditioner Use and Care Manual</div> <div>Comprehensive use and care manual for the AIREMAX APE514H portable air conditioner, covering safety instructions, operation, maintenance, troubleshooting, and warranty information.</div>
<div></div> <div>Warranty Terms & Conditions</div> <div>Questions about your product? We are here to help.</div> <div>Visit us at: www.airemaxusa.com</div> <div>Or call our Customer Service Hotline: 1-888-475-5867</div> <div>PRODUCT WARRANTY INFORMATION</div> <div>Under normal use, the product will guarantee a 1-year full warranty.</div> <div>WARRANTY COVERAGE</div> <div>1. The product is warranted for a limited period of time.</div> <div>2. The product is warranted for a limited period of time.</div> <div>3. The product is warranted for a limited period of time.</div> <div>4. The product is warranted for a limited period of time.</div> <div>5. The product is warranted for a limited period of time.</div> <div>6. The product is warranted for a limited period of time.</div> <div>7. The product is warranted for a limited period of time.</div> <div>8. The product is warranted for a limited period of time.</div> <div>9. The product is warranted for a limited period of time.</div> <div>10. The product is warranted for a limited period of time.</div> <div>11. The product is warranted for a limited period of time.</div> <div>12. The product is warranted for a limited period of time.</div> <div>13. The product is warranted for a limited period of time.</div> <div>14. The product is warranted for a limited period of time.</div> <div>15. The product is warranted for a limited period of time.</div> <div>16. The product is warranted for a limited period of time.</div> <div>17. The product is warranted for a limited period of time.</div> <div>18. The product is warranted for a limited period of time.</div> <div>19. The product is warranted for a limited period of time.</div> <div>20. The product is warranted for a limited period of time.</div> <div>21. The product is warranted for a limited period of time.</div> <div>22. The product is warranted for a limited period of time.</div> <div>23. The product is warranted for a limited period of time.</div> <div>24. The product is warranted for a limited period of time.</div> <div>25. The product is warranted for a limited period of time.</div> <div>26. The product is warranted for a limited period of time.</div> <div>27. The product is warranted for a limited period of time.</div> <div>28. The product is warranted for a limited period of time.</div> <div>29. The product is warranted for a limited period of time.</div> <div>30. The product is warranted for a limited period of time.</div> <div>31. The product is warranted for a limited period of time.</div> <div>32. The product is warranted for a limited period of time.</div> <div>33. The product is warranted for a limited period of time.</div> <div>34. The product is warranted for a limited period of time.</div> <div>35. The product is warranted for a limited period of time.</div> <div>36. The product is warranted for a limited period of time.</div> <div>37. The product is warranted for a limited period of time.</div> <div>38. The product is warranted for a limited period of time.</div> <div>39. The product is warranted for a limited period of time.</div> <div>40. The product is warranted for a limited period of time.</div> <div>41. The product is warranted for a limited period of time.</div> <div>42. The product is warranted for a limited period of time.</div> <div>43. The product is warranted for a limited period of time.</div> <div>44. The product is warranted for a limited period of time.</div> <div>45. The product is warranted for a limited period of time.</div> <div>46. The product is warranted for a limited period of time.</div> <div>47. The product is warranted for a limited period of time.</div> <div>48. The product is warranted for a limited period of time.</div> <div>49. The product is warranted for a limited period of time.</div> <div>50. The product is warranted for a limited period of time.</div> <div>51. The product is warranted for a limited period of time.</div> <div>52. The product is warranted for a limited period of time.</div> <div>53. The product is warranted for a limited period of time.</div> <div>54. The product is warranted for a limited period of time.</div> <div>55. The product is warranted for a limited period of time.</div> <div>56. The product is warranted for a limited period of time.</div> <div>57. The product is warranted for a limited period of time.</div> <div>58. The product is warranted for a limited period of time.</div> <div>59. The product is warranted for a limited period of time.</div> <div>60. The product is warranted for a limited period of time.</div> <div>61. The product is warranted for a limited period of time.</div> <div>62. The product is warranted for a limited period of time.</div> <div>63. The product is warranted for a limited period of time.</div> <div>64. The product is warranted for a limited period of time.</div> <div>65. The product is warranted for a limited period of time.</div> <div>66. The product is warranted for a limited period of time.</div> <div>67. The product is warranted for a limited period of time.</div> <div>68. The product is warranted for a limited period of time.</div> <div>69. The product is warranted for a limited period of time.</div> <div>70. The product is warranted for a limited period of time.</div> <div>71. The product is warranted for a limited period of time.</div> <div>72. The product is warranted for a limited period of time.</div> <div>73. The product is warranted for a limited period of time.</div> <div>74. The product is warranted for a limited period of time.</div> <div>75. The product is warranted for a limited period of time.</div> <div>76. The product is warranted for a limited period of time.</div> <div>77. The product is warranted for a limited period of time.</div> <div>78. The product is warranted for a limited period of time.</div> <div>79. The product is warranted for a limited period of time.</div> <div>80. The product is warranted for a limited period of time.</div> <div>81. The product is warranted for a limited period of time.</div> <div>82. The product is warranted for a limited period of time.</div> <div>83. The product is warranted for a limited period of time.</div> <div>84. The product is warranted for a limited period of time.</div> <div>85. The product is warranted for a limited period of time.</div> <div>86. The product is warranted for a limited period of time.</div> <div>87. The product is warranted for a limited period of time.</div> <div>88. The product is warranted for a limited period of time.</div> <div>89. The product is warranted for a limited period of time.</div> <div>90. The product is warranted for a limited period of time.</div> <div>91. The product is warranted for a limited period of time.</div> <div>92. The product is warranted for a limited period of time.</div> <div>93. The product is warranted for a limited period of time.</div> <div>94. The product is warranted for a limited period of time.</div> <div>95. The product is warranted for a limited period of time.</div> <div>96. The product is warranted for a limited period of time.</div> <div>97. The product is warranted for a limited period of time.</div> <div>98. The product is warranted for a limited period of time.</div> <div>99. The product is warranted for a limited period of time.</div> <div>100. The product is warranted for a limited period of time.</div>	
<div></div> <div>These are instructions for setting up, using, and maintaining the AIREMAX portable air conditioner. Please read these instructions carefully before using the unit.</div>	<div>AIREMAX APA112C Portable Air-conditioner: Use and Care Manual</div> <div>Comprehensive use and care manual for the AIREMAX APA112C portable air conditioner, covering setup, operation, maintenance, troubleshooting, and warranty information.</div>
<div></div> <div>USER MANUAL</div> <div>PORTABLE AIR CONDITIONER</div> <div>APL06CE</div> <div>Read the instructions carefully before setting up and using the unit. Keep this manual for future reference.</div>	<div>Airemax APL06CE Portable Air Conditioner User Manual</div> <div>Comprehensive user manual for the Airemax APL06CE portable air conditioner, covering safety instructions, installation, operation, maintenance, troubleshooting, and warranty.</div>
<div></div> <div>WARRANTY TERMS & CONDITIONS</div> <div>Questions about your product? We are here to help.</div> <div>Visit us at: www.airemaxusa.com</div> <div>Or call our Customer Service Hotline: 1-888-475-5867</div> <div>PRODUCT WARRANTY INFORMATION</div> <div>Under normal use, the product will guarantee a 1-year full warranty.</div> <div>WARRANTY COVERAGE</div> <div>1. The product is warranted for a limited period of time.</div> <div>2. The product is warranted for a limited period of time.</div> <div>3. The product is warranted for a limited period of time.</div> <div>4. The product is warranted for a limited period of time.</div> <div>5. The product is warranted for a limited period of time.</div> <div>6. The product is warranted for a limited period of time.</div> <div>7. The product is warranted for a limited period of time.</div> <div>8. The product is warranted for a limited period of time.</div> <div>9. The product is warranted for a limited period of time.</div> <div>10. The product is warranted for a limited period of time.</div> <div>11. The product is warranted for a limited period of time.</div> <div>12. The product is warranted for a limited period of time.</div> <div>13. The product is warranted for a limited period of time.</div> <div>14. The product is warranted for a limited period of time.</div> <div>15. The product is warranted for a limited period of time.</div> <div>16. The product is warranted for a limited period of time.</div> <div>17. The product is warranted for a limited period of time.</div> <div>18. The product is warranted for a limited period of time.</div> <div>19. The product is warranted for a limited period of time.</div> <div>20. The product is warranted for a limited period of time.</div> <div>21. The product is warranted for a limited period of time.</div> <div>22. The product is warranted for a limited period of time.</div> <div>23. The product is warranted for a limited period of time.</div> <div>24. The product is warranted for a limited period of time.</div> <div>25. The product is warranted for a limited period of time.</div> <div>26. The product is warranted for a limited period of time.</div> <div>27. The product is warranted for a limited period of time.</div> <div>28. The product is warranted for a limited period of time.</div> <div>29. The product is warranted for a limited period of time.</div> <div>30. The product is warranted for a limited period of time.</div> <div>31. The product is warranted for a limited period of time.</div> <div>32. The product is warranted for a limited period of time.</div> <div>33. The product is warranted for a limited period of time.</div> <div>34. The product is warranted for a limited period of time.</div> <div>35. The product is warranted for a limited period of time.</div> <div>36. The product is warranted for a limited period of time.</div> <div>37. The product is warranted for a limited period of time.</div> <div>38. The product is warranted for a limited period of time.</div> <div>39. The product is warranted for a limited period of time.</div> <div>40. The product is warranted for a limited period of time.</div> <div>41. The product is warranted for a limited period of time.</div> <div>42. The product is warranted for a limited period of time.</div> <div>43. The product is warranted for a limited period of time.</div> <div>44. The product is warranted for a limited period of time.</div> <div>45. The product is warranted for a limited period of time.</div> <div>46. The product is warranted for a limited period of time.</div> <div>47. The product is warranted for a limited period of time.</div> <div>48. The product is warranted for a limited period of time.</div> <div>49. The product is warranted for a limited period of time.</div> <div>50. The product is warranted for a limited period of time.</div> <div>51. The product is warranted for a limited period of time.</div> <div>52. The product is warranted for a limited period of time.</div> <div>53. The product is warranted for a limited period of time.</div> <div>54. The product is warranted for a limited period of time.</div> <div>55. The product is warranted for a limited period of time.</div> <div>56. The product is warranted for a limited period of time.</div> <div>57. The product is warranted for a limited period of time.</div> <div>58. The product is warranted for a limited period of time.</div> <div>59. The product is warranted for a limited period of time.</div> <div>60. The product is warranted for a limited period of time.</div> <div>61. The product is warranted for a limited period of time.</div> <div>62. The product is warranted for a limited period of time.</div> <div>63. The product is warranted for a limited period of time.</div> <div>64. The product is warranted for a limited period of time.</div> <div>65. The product is warranted for a limited period of time.</div> <div>66. The product is warranted for a limited period of time.</div> <div>67. The product is warranted for a limited period of time.</div> <div>68. The product is warranted for a limited period of time.</div> <div>69. The product is warranted for a limited period of time.</div> <div>70. The product is warranted for a limited period of time.</div> <div>71. The product is warranted for a limited period of time.</div> <div>72. The product is warranted for a limited period of time.</div> <div>73. The product is warranted for a limited period of time.</div> <div>74. The product is warranted for a limited period of time.</div> <div>75. The product is warranted for a limited period of time.</div> <div>76. The product is warranted for a limited period of time.</div> <div>77. The product is warranted for a limited period of time.</div> <div>78. The product is warranted for a limited period of time.</div> <div>79. The product is warranted for a limited period of time.</div> <div>80. The product is warranted for a limited period of time.</div> <div>81. The product is warranted for a limited period of time.</div> <div>82. The product is warranted for a limited period of time.</div> <div>83. The product is warranted for a limited period of time.</div> <div>84. The product is warranted for a limited period of time.</div> <div>85. The product is warranted for a limited period of time.</div> <div>86. The product is warranted for a limited period of time.</div> <div>87. The product is warranted for a limited period of time.</div> <div>88. The product is warranted for a limited period of time.</div> <div>89. The product is warranted for a limited period of time.</div> <div>90. The product is warranted for a limited period of time.</div> <div>91. The product is warranted for a limited period of time.</div> <div>92. The product is warranted for a limited period of time.</div> <div>93. The product is warranted for a limited period of time.</div> <div>94. The product is warranted for a limited period of time.</div> <div>95. The product is warranted for a limited period of time.</div> <div>96. The product is warranted for a limited period of time.</div> <div>97. The product is warranted for a limited period of time.</div> <div>98. The product is warranted for a limited period of time.</div> <div>99. The product is warranted for a limited period of time.</div> <div>100. The product is warranted for a limited period of time.</div>	



Portable Air-conditioner
APO108C
Use and Care Manual



This unit is not intended for use in areas where the ambient temperature is below 50°F (10°C). Please refer to the user manual for more information. Please read the user manual carefully before using the unit.

[AIREMAX APO108C Portable Air Conditioner Use and Care Manual](#)

This manual provides comprehensive instructions for the AIREMAX APO108C portable air conditioner, covering safety guidelines, operation modes, installation, maintenance, troubleshooting, and warranty information.