

Panasonic FY-16S

Panasonic Ceiling-Mounted nanoe Generator FY-16S User Manual

Model: FY-16S

[Instructions](#) [Safety Information](#) [Product Overview](#) [Setup](#) [Operating](#)
[Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation to prevent injury or damage to the product.

- This unit is designed for ceiling installation only. Do not install on walls or sloped ceilings.
- Ensure the applicable ceiling thickness is between 9mm and 35mm.
- Do not use this product in environments where fire or oil smoke is generated.
- Avoid using in highly humid areas such as bathrooms.
- The nanoe generator's effectiveness depends on room temperature and humidity. Optimal conditions are indoor temperatures between approximately 5°C and 40°C (dew point: 2°C or higher) and relative humidity between 30% and 85%.
- A small amount of ozone is generated during nanoe operation. This level is natural and harmless to humans.
- The motor is a consumable part. Noise levels may increase over time with prolonged use.
- Do not use in blowing-type ceilings.
- Installation should be performed by a qualified professional due to electrical connections and ceiling mounting requirements.

2. PRODUCT OVERVIEW

The Panasonic FY-16S is a ceiling-mounted nanoe generator designed to improve indoor air quality by deodorizing unwanted odors. Its compact, ceiling-embedded design saves space and offers discreet operation.

Key Features:

- **Odor Deodorization:** Effectively reduces unpleasant odors.
- **Space-Saving Design:** Ceiling-embedded for minimal visual impact.
- **Easy Installation:** Designed for straightforward setup (professional installation recommended).
- **External Power Connection:** Features an external quick-connect terminal for power.
- **Coverage Area:** Suitable for rooms up to approximately 16.5 square meters (10 tatami mats).



Figure 2.1: Panasonic FY-16S Ceiling-Mounted nanoe Generator. This image shows the compact, white circular unit designed for flush ceiling installation.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the FY-16S unit. It is highly recommended that installation be performed by a qualified electrician or professional installer.

3.1 Pre-Installation Checks

- Verify that the installation location is a flat ceiling. Do not install on walls or sloped ceilings.
- Confirm the ceiling thickness is within the acceptable range of 9mm to 35mm.
- Ensure the environment is free from fire hazards, oil smoke, or excessive humidity (e.g., bathrooms).
- Confirm the room size is appropriate for the unit's coverage (up to 16.5m² or 10 tatami mats).
- Ensure a suitable power supply is available at the installation point.

3.2 Installation Steps (Professional Installation Recommended)

1. **Prepare Ceiling Opening:** Create a circular opening in the ceiling with the specified diameter (refer to product dimensions, typically $\phi 200\text{mm}$ as per feature bullets).
2. **Electrical Connection:** Connect the unit's external quick-connect terminal to the main power supply. Ensure power is OFF during this step.
3. **Mounting:** Securely mount the unit into the prepared ceiling opening using appropriate fasteners. Ensure it is flush with the ceiling surface.
4. **Final Checks:** After mounting, visually inspect the installation for stability and proper alignment.

4. OPERATING INSTRUCTIONS

The Panasonic FY-16S nanoe generator is designed for continuous operation to maintain air quality. It typically operates without user intervention once installed and powered.

4.1 Powering On/Off

- The unit is typically connected to a dedicated power switch or circuit. Turn the switch ON to begin operation.
- To turn OFF the unit, switch off the connected power supply.
- *Note:* For optimal air quality, continuous operation is recommended.

4.2 nanoe Generation

The unit automatically generates nanoe particles when powered on. The effectiveness of nanoe generation can be influenced by environmental factors:

- **Temperature:** Optimal generation occurs between approximately 5°C and 40°C.
- **Humidity:** Optimal generation occurs between approximately 30% and 85% relative humidity.
- In conditions outside these ranges, nanoe generation may be reduced or temporarily suspended.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your nanoe generator.

5.1 Cleaning the Unit

- **Frequency:** Clean the exterior of the unit periodically, or as needed.
- **Procedure:**
 - a. Turn off the power supply to the unit before cleaning.
 - b. Wipe the surface of the unit with a soft, dry cloth.
 - c. For stubborn dirt, a cloth lightly dampened with water and a mild detergent can be used, followed by a dry wipe.
 - d. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the surface.

5.2 Motor Life

The motor within the unit is a consumable component. Over time, its performance may degrade, and noise levels may increase. If you notice a significant increase in noise or reduced performance, consult a qualified service technician for inspection or replacement.

6. TROUBLESHOOTING

If you encounter issues with your Panasonic FY-16S nanoe generator, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Unit does not operate.	No power supply.	Check if the power switch is ON and if there is power to the circuit.
Reduced nanoe generation or no noticeable effect.	Environmental conditions (temperature/humidity) are outside optimal range.	Ensure indoor temperature is between 5°C-40°C and relative humidity is 30%-85%.
Increased operating noise.	Motor wear (consumable part).	This is normal with age. If noise is excessive, contact customer support for service.
Unit is installed in an unsuitable location.	Installation on wall, sloped ceiling, or in high-humidity/fire-prone area.	Relocate the unit to a suitable ceiling-mounted location. Consult a professional.

If the problem persists after attempting these solutions, please contact Panasonic customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	Panasonic
Model Number	FY-16S
Applicable Room Size	Approx. 16.5 m ² (10 Tatami Mats)
Dimensions (Package)	27.6 x 27.4 x 17.8 cm
Product Weight	1.96 kg
Power Source	Power cord type (External quick-connect terminal)
Ceiling Thickness Compatibility	9mm to 35mm
Accessories	None
Batteries Included	No
First Available Date	June 26, 2013

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Panasonic website or the warranty card included with your product. Keep your purchase receipt as proof of purchase for warranty claims.

Panasonic Customer Support:

- **Website:** www.panasonic.com (Please navigate to your regional support page for specific contact details.)
- **Service:** For technical assistance, repairs, or spare parts, please contact an authorized Panasonic service center.



© 2023 Panasonic Corporation. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.