

Falcon FTS18H

Falcon FTS18H Split Air Conditioner User Manual

Model: FTS18H

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Falcon FTS18H Split Air Conditioner. Please read this manual thoroughly before using the appliance and retain it for future reference.

The Falcon FTS18H is a high-efficiency split air conditioner designed for both cooling and heating, featuring a high-efficiency compressor, four-way air distribution, and an environmentally friendly R410A refrigerant. It includes an advanced air purification filter to ensure clean air quality.

2. SAFETY INFORMATION

Important Safety Instructions:

- Read all instructions before using the appliance.
- This appliance must be installed by a qualified technician in accordance with local and national electrical codes.
- Ensure the power supply matches the specifications listed on the unit's rating label.
- Do not insert fingers or objects into the air inlet/outlet.
- Do not attempt to repair or modify the unit yourself. Contact authorized service personnel.
- Keep the remote control out of reach of children.
- Ensure proper ventilation around the outdoor unit.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

3. PRODUCT COMPONENTS

The Falcon FTS18H Split Air Conditioner package typically includes the following components:

- Indoor Unit
- Outdoor Unit (Required)
- Remote Control Unit
- User Manual (Catalog)
- Installation Accessories (Piping, wiring, etc. - typically supplied by installer)



Image 1: Falcon FTS18H Split Air Conditioner Indoor Unit. This image shows the compact design of the indoor unit, typically mounted on a wall.

4. SETUP AND INSTALLATION

Installation of the Falcon FTS18H Split Air Conditioner requires specialized tools and knowledge. It is strongly recommended that installation be performed by a certified and experienced HVAC technician to ensure proper functioning, safety, and warranty validity.

General Installation Considerations:

- **Location:** Choose a location for the indoor unit that allows for optimal air distribution and is away from direct sunlight or heat sources. The outdoor unit should be placed in a well-ventilated area, away from obstructions.
- **Mounting:** Securely mount both indoor and outdoor units according to manufacturer guidelines.

- **Piping and Wiring:** Connect refrigerant pipes and electrical wiring between the indoor and outdoor units. Ensure all connections are tight and insulated.
- **Drainage:** Install the condensate drain pipe to ensure proper water removal.
- **Power Supply:** Connect the unit to a dedicated 220V power supply circuit.
- **Leak Test:** After installation, a leak test must be performed on the refrigerant lines.

5. OPERATING INSTRUCTIONS

Your Falcon FTS18H Air Conditioner is controlled via the included wireless remote control. Familiarize yourself with the remote's buttons and display.

Basic Operation:

- **Power ON/OFF:** Press the **ON/OFF** button to start or stop the unit.
- **Mode Selection:** Press the **MODE** button to cycle through available modes: *Cool, Heat, Fan, Dry,* and *Auto*.
- **Temperature Adjustment:** Use the **TEMP UP** (▲) and **TEMP DOWN** (▼) buttons to set your desired temperature.
- **Fan Speed:** Press the **FAN** button to adjust the fan speed (Low, Medium, High, Auto).
- **Swing Function:** Activate the **SWING** button for automatic four-way air distribution.

Advanced Functions:

- **Timer:** Set the unit to turn on or off automatically at a specified time. Refer to the remote control section in the full manual for detailed instructions.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.
- **Turbo/Fast Cooling:** Activates maximum cooling capacity for rapid temperature reduction.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your air conditioner.

Filter Cleaning:

The air filter should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Turn off the air conditioner and disconnect it from the power supply.
2. Open the front panel of the indoor unit.
3. Remove the air filters.
4. Clean the filters with a vacuum cleaner or wash them with lukewarm water and a mild detergent.
5. Rinse thoroughly and allow them to dry completely in a shaded area before reinserting.
6. Close the front panel.

General Care:

- Wipe the indoor unit with a soft, dry cloth. For stubborn dirt, use a damp cloth with mild detergent, then wipe dry.
- Do not use harsh chemicals, abrasive cleaners, or solvents.
- Periodically check the outdoor unit for debris (leaves, dirt) and clear them carefully.
- Annual professional servicing is recommended to check refrigerant levels, clean coils, and inspect electrical components.

7. TROUBLESHOOTING

Before contacting service, check the following common issues:

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| Unit does not start | No power, circuit breaker tripped, remote control batteries dead. | Check power supply, reset breaker, replace remote batteries. |
| Insufficient cooling/heating | Dirty air filter, windows/doors open, temperature setting incorrect, outdoor unit obstructed. | Clean filter, close openings, adjust temperature, clear obstructions. |
| Unusual noise | Loose parts, foreign objects, unit not level. | Check for loose parts, remove objects, ensure unit is level. If noise persists, contact service. |
| Water leakage from indoor unit | Clogged drain pipe, improper installation. | Clear drain pipe. If issue persists, contact a qualified technician. |

If the problem persists after attempting these solutions, please contact authorized service personnel.

8. SPECIFICATIONS

| Feature | Specification |
|-----------------------------|-----------------------------------|
| Brand | Falcon |
| Model Number | FTS18H |
| Cooling Capacity | 18300 BTU (1.5 Ton) |
| Refrigerant Type | R-410A (Environmentally Friendly) |
| Compressor Type | Rotary Scroll |
| Voltage | 220 Volts |
| Noise Level (High/Mid/Low) | 47/45/42 dB |
| Airflow Efficiency (Indoor) | 1200 m ³ /hour |

| Feature | Specification |
|---|--|
| Seasonal Energy Efficiency Ratio (SEER) | 10.25 |
| BEE Star Rating | 5 Stars |
| Application Area | 23-35 m ² (Bedroom, Living Room, Office) |
| Special Features | 4-way air swing, Fast Cooling, Air Purification Filter, Dust Filter, Remote Controlled |
| Product Dimensions (D x W x H) | 35 x 105 x 40 cm |
| Item Weight | 50 Kilograms |
| Primary Material | Aluminum Alloy |
| Country of Origin | China |

9. WARRANTY AND SUPPORT

Your Falcon FTS18H Split Air Conditioner comes with a comprehensive warranty to ensure your peace of mind:

- **General Warranty:** A 2-year comprehensive warranty provided by the agent (Juffali).
- **Compressor Warranty:** A 5-year warranty specifically covering the compressor.

For warranty claims, technical support, or service requests, please contact your authorized dealer or the Juffali service center. Ensure you have your purchase receipt and product model number (FTS18H) available when contacting support.

Note: The warranty may be voided if the unit is not installed by a certified technician or if unauthorized repairs are attempted.