

Xpelair DX100TS

Xpelair Simply Silent DX100TS Timer Square Extractor Fan User Manual

Model: DX100TS

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Xpelair Simply Silent DX100TS Timer Square extractor fan. This 100mm (4-inch) fan is designed for use in bathrooms, shower rooms, and ensuites, offering efficient ventilation with low noise levels. It features Ghost Air Movement Technology for quiet operation and includes a wall kit for through-the-wall installations.

2. SAFETY INFORMATION

- Installation must be carried out by a qualified electrician in accordance with current wiring regulations.
- Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not immerse any part of the fan in water or other liquids.
- Ensure that the air intake and exhaust vents are not obstructed.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Xpelair Simply Silent DX100TS Extractor Fan Unit
- 300mm Telescopic Wall Tube (two pieces)
- External Grille
- Fixings (screws, wall plugs)



Figure 3.1: All components included in the Xpelair Simply Silent DX100TS Timer Square Extractor Fan with Wall Kit. This image displays the main fan unit, the black external grille, the two-piece white telescopic duct, and a small bag of fixings.

4. SETUP AND INSTALLATION

The DX100TS is designed for through-the-wall installation. A 100mm diameter hole is required.

1. **Prepare the Wall Opening:** Create a 100mm diameter hole through the wall at the desired installation location. Ensure there is sufficient space for wiring and access.
2. **Install the Telescopic Duct:** The wall kit includes a 300mm length of round telescopic wall tube, supplied in two pieces. Slide these pieces into each other to adjust the length to match your wall thickness. Insert the assembled duct into the prepared wall opening.
3. **Mount the External Grille:** Secure the external grille to the exterior wall, ensuring it covers the outer end of the telescopic duct. Use the provided fixings.
4. **Electrical Connection:** Connect the fan unit to the electrical supply. This model is a timer version, typically wired to a lighting circuit. Refer to the wiring diagram provided with the fan for correct connections. Ensure all connections are secure and insulated.
5. **Mount the Fan Unit:** Secure the main fan unit to the interior wall, connecting it to the telescopic duct. The fan features a "twist and click" fascia for easy attachment and removal.

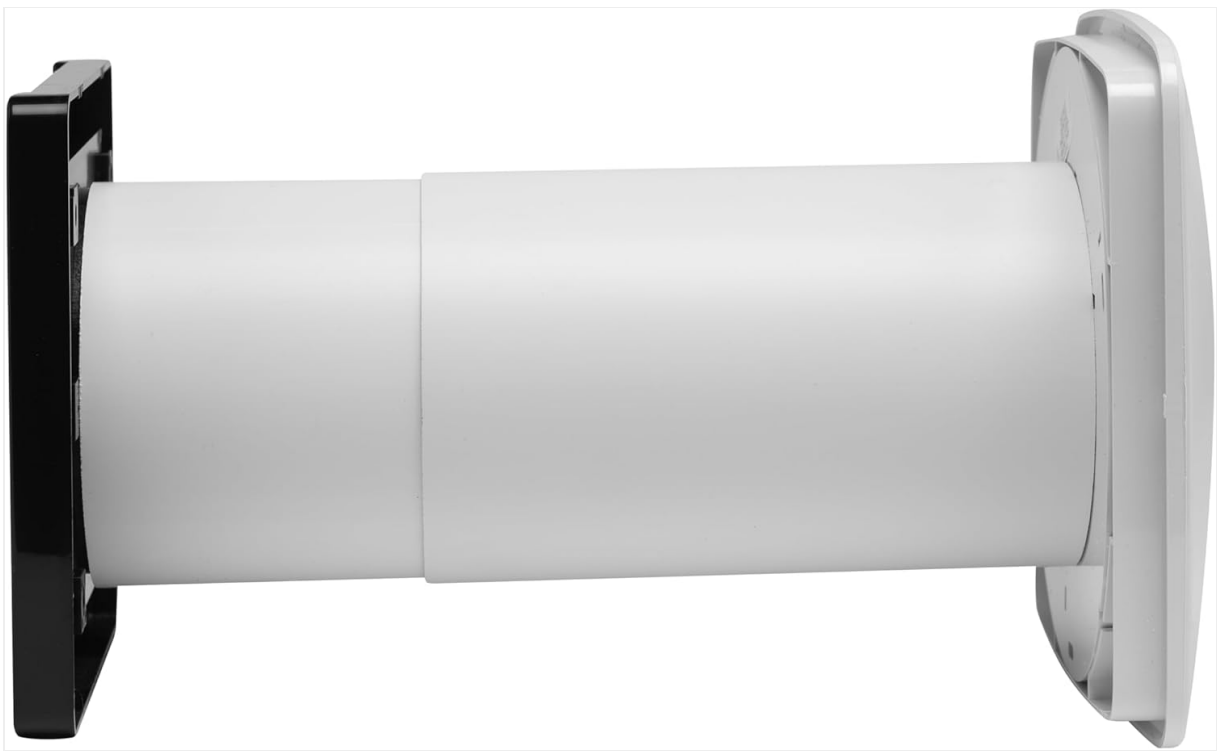


Figure 4.1: The Xpelair DX100TS fan unit connected to the telescopic wall duct, ready for installation into a wall opening. This illustrates how the fan integrates with the adjustable ducting system.

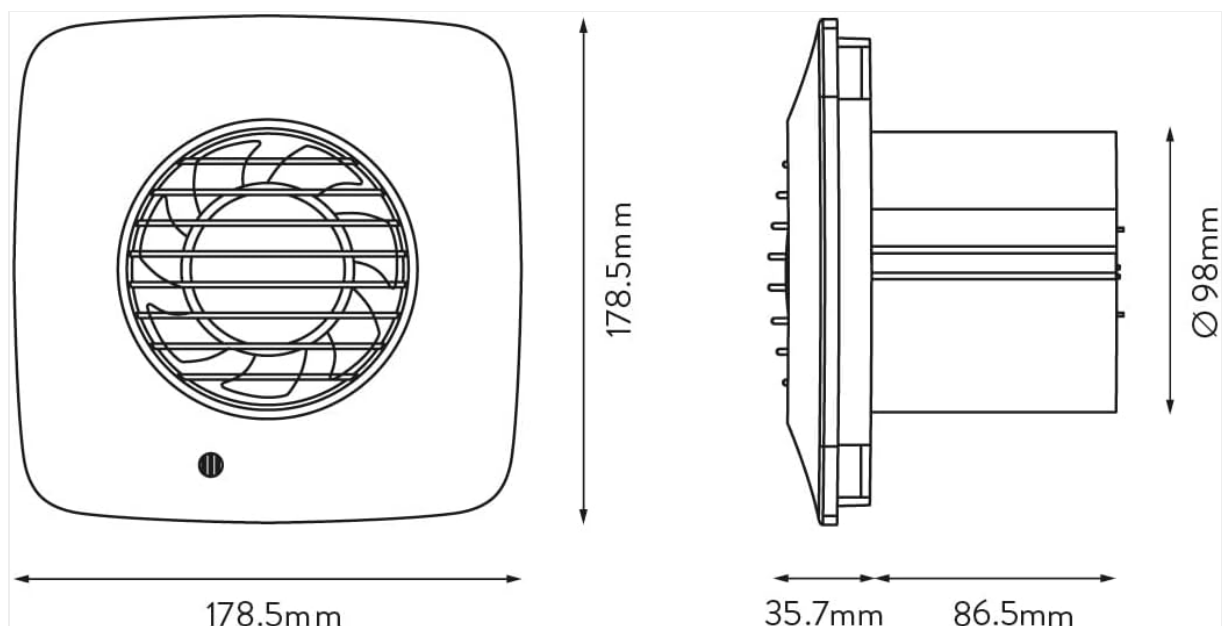


Figure 4.2: Side profile of the Xpelair DX100TS fan unit, showing its depth and the diameter of the spigot. Dimensions are indicated as 98mm diameter for the spigot, 35.7mm for the fascia depth, and 86.5mm for the spigot length.

5. OPERATING INSTRUCTIONS

The DX100TS Timer Square fan operates with two selectable speeds and an adjustable timer function.

- **Speed Selection:** The fan offers two extraction speeds: 15 litres per second (54 m³/hr) or 21 litres per second (76 m³/hr). The desired speed setting is typically configured during installation.
- **Timer Function:** This model includes an adjustable timer, which can be set from 30 seconds to 30 minutes. When connected to a remote switch (e.g., a lighting circuit), the fan will activate when the switch is turned on. After the switch is turned off, the fan will continue to run for the pre-set duration before switching off automatically.



Figure 5.1: Front view of the Xpelair Simply Silent DX100TS extractor fan, showcasing its grille-style fascia and the Xpelair branding. This is the visible part of the fan when installed indoors.

6. MAINTENANCE

Regular cleaning ensures optimal performance and longevity of your fan.

1. **Disconnect Power:** Always ensure the power supply to the fan is switched off at the mains before performing any maintenance.
2. **Remove Fascia:** The fan features a "So Simple Maintenance" twist and click fascia. Gently twist and pull the fascia to remove it from the main unit.
3. **Clean Components:** Use a soft, damp cloth to wipe down the fascia and the fan blades. Do not use abrasive cleaners or solvents. Ensure all parts are dry before reassembly.
4. **Reattach Fascia:** Align the fascia with the fan unit and push until it clicks securely into place.
5. **Check External Grille:** Periodically inspect the external grille for any blockages from debris or insects and clean as necessary.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not operate.	No power supply; incorrect wiring; faulty switch.	Check power supply and circuit breaker. Verify wiring connections (consult a qualified electrician). Test the remote switch.
Fan is excessively noisy.	Obstruction in fan blades or duct; loose mounting; worn bearings.	Disconnect power and check for obstructions. Ensure fan is securely mounted. If noise persists, contact Xpelair support.
Fan runs continuously or not at all (Timer model).	Timer setting incorrect; wiring issue.	Refer to the installation instructions for adjusting the timer. Verify wiring connections for the timer function.
Poor extraction performance.	Blocked grille or duct; incorrect speed setting.	Clean the external grille and check the duct for obstructions. Ensure the fan is set to the appropriate speed for the room size.

8. SPECIFICATIONS

Feature	Detail
Brand	Xpelair
Model Number	DX100TS
Color	Cool White
Product Dimensions (Fan Unit)	7.4D x 8.5W x 7.6H centimeters (approx.)
Power / Wattage	6.7 watts
Voltage	230 Volts (AC)
Material	Acrylonitrile Butadiene Styrene
Number of Speeds	2
Noise Level	22 dB (low speed), 34 dB (high speed) at 3m
Extraction Rate (Low Speed)	15 litres/second (54 m³/hr)
Extraction Rate (High Speed)	21 litres/second (76 m³/hr)
Special Features	Water Resistant, Timer Delay
Item Weight	1.1 Kilograms

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact Xpelair customer service. Details can typically be found on the Xpelair official website or on the product packaging. Always ensure that any repairs or electrical work are carried out by a qualified professional.

