

HOMEPILOT 16901001

HOMEPILOT Premium Smart Garage Door Opener Instruction Manual

Model: 16901001

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your HOMEPILOT Premium Smart Garage Door Opener. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

The HOMEPILOT Premium Smart Garage Door Opener offers convenient control and a wide range of automatic functions for secure management of your garage door. It is designed for tilt and sectional doors up to 12.5 m² with a maximum door height of 2.4 meters.



Figure 1: HOMEPILOT Premium Smart Garage Door Opener and included accessories.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always ensure the garage door area is clear before operating the opener.
- Do not allow children to play with the garage door opener controls.
- Regularly inspect the garage door and opener for signs of wear or damage.
- In case of power failure, use the manual release mechanism to open or close the door.
- The opener features obstacle detection with a reverse function for enhanced safety.
- Installation should be performed by qualified personnel or follow the instructions carefully.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation.



Figure 2: Overview of all included components, including the opener unit, rail, remote controls, and mounting hardware.

- HOMEPILOT Premium Smart Garage Door Opener Unit
- Drive Rail Assembly
- Remote Controls (2 units)

- Mounting Hardware (brackets, screws, anchors)
- Connection Cables
- Instruction Manual

4. INSTALLATION

The HOMEPILOT garage door opener is designed for flexible mounting and is suitable for most tilt and sectional doors up to 2.4 meters in height. The drive unit can be rotated by 90° to accommodate various garage configurations.

4.1 Pre-Installation Check

- Ensure your garage door is in good working condition and moves freely.
- Verify that the door area is clear of obstructions.
- Confirm availability of a power outlet near the installation area.

4.2 Mounting the Drive Rail

Assemble the drive rail according to the detailed diagrams in the separate installation guide. Securely attach the rail to the ceiling or wall above the garage door opening.



Figure 3: Side view of the opener unit connected to the drive rail.



Figure 4: Top view of the opener unit showing the belt drive system within the rail.

4.3 Attaching the Opener Unit

Connect the opener unit to the drive rail. The 90° rotatable unit allows for flexible positioning. Ensure all connections are secure.

4.4 Electrical Connection

Plug the power cord into a grounded electrical outlet.

4.5 Programming Remote Controls

Follow the instructions in the separate programming guide to synchronize the remote controls with the opener unit.

5. OPERATION

The HOMEPILOT Premium Smart Garage Door Opener provides smooth and quiet operation thanks to its strong

and silent toothed belt.

5.1 Basic Operation

- Press the button on the remote control to open or close the garage door.
- Pressing the button again during operation will stop the door.
- The opener features automatic force learning, soft start, and soft stop functions.
- Internal LED lighting illuminates the garage during operation.

5.2 Obstacle Detection

The system includes obstacle detection with a reverse function. If the door encounters an obstacle during closing, it will automatically stop and reverse to the open position, ensuring safety.

5.3 Manual Release

In case of a power outage, the garage door can be opened or closed manually from the inside using the manual release mechanism. Refer to the specific instructions for engaging and disengaging the manual release.

5.4 Smart Home Integration (Optional)

When combined with the HOMEPILLOT Smart-Home-Central system (gateway required), the garage door opener offers convenient control via a dedicated app. This allows for integration with other smart home devices such as security sensors, additional garage door openers, or code locks.



Figure 5: The HOMEPILOT app provides smart control and monitoring of your garage door opener when connected to the HomePilot gateway.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your garage door opener.

- **Monthly:** Inspect the garage door for proper balance and smooth movement. Check all hardware, including springs, cables, rollers, and hinges, for wear or damage.
- **Quarterly:** Test the obstacle detection system. Place an object (e.g., a wooden block) in the path of the closing door. The door should reverse upon contact.
- **Annually:** Lubricate moving parts of the garage door (not the opener's belt) as recommended by the door manufacturer. Do not lubricate the drive belt.
- Keep the drive rail clean and free of debris.

Note: For any repairs or adjustments beyond routine maintenance, contact a qualified technician.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Opener does not respond to remote.	• Dead remote battery. • Remote out of range. • Remote not programmed.	• Replace remote battery. • Move closer to the opener. • Reprogram remote control (refer to programming guide).
Door does not close completely or reverses.	• Obstruction in door path. • Safety sensors misaligned or dirty. • Force settings need adjustment.	• Clear any obstructions. • Check and align safety sensors. Clean lenses. • Refer to the manual for force adjustment procedures.
Opener makes unusual noise.	• Loose hardware. • Worn garage door parts (springs, rollers).	• Tighten all mounting hardware. • Inspect garage door components and lubricate or replace as needed.
Door opens by itself.	• Stuck remote button. • Interference.	• Check all remote controls. • Reprogram remotes to a new code if interference is suspected.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Manufacturer	DELTA DORE RADEMACHER GmbH
Model Number	16901001
Product Dimensions	350 x 25 x 25 cm (approx. 3.47m length)
Item Weight	13.5 kg
Material	Aluminum (housing), Steel (exterior finish)
Color	Black
Power Supply Voltage	220-240 V / 50, 60 Hz
Motor Type	24 V (DC) Direct Current
Traction Force	Max. 900 N / 90 kg
Door Travel Speed	Approx. 11-19 cm/s
Protection Class	II
Operating Temperature	-10 °C to +40 °C
Max. Lifting Height	2.550 mm
Max. Door Area	12.5 m²
Max. Door Height	2.400 mm
Handheld Transmitter Frequency	433 MHz Rolling Code
Device Emission Frequency	434.5 MHz
Emission Power	Max. 10 mW

Feature	Specification
Max. Connected Devices	20
Radio Range	Approx. 100 m in open field, 30 m in buildings (depending on structure)
Special Features	Smart Home compatible via gateway
Certifications	CE

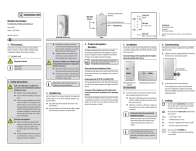
9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official HOMEPILOT website.

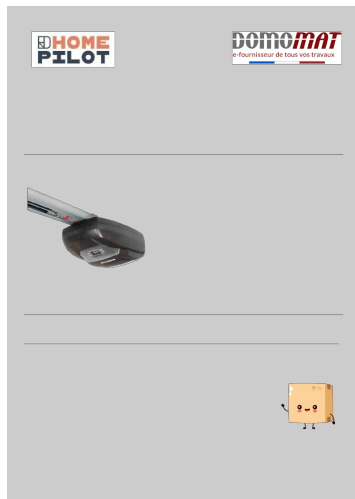
You can also visit the [HOMEPILOT Store on Amazon](#) for additional product information and accessories.

Related Documents - 16901001

	Homepilot 16991002 Remote Control Keyfob Quick User Guide Step-by-step instructions for programming the Homepilot 16991002 remote control keyfob for garage door openers. Find full manuals and support at service.homepilot-smarthome.com.
	HOMEPILOT Rollladenmotor classic: Betriebsanleitung und Montageanleitung Umfassende Betriebsanleitung und Montageanleitung für den HOMEPILOT Rollladenmotor classic (Serien s10, m10, m20). Enthält Sicherheitshinweise, Installationsschritte, Funktionsbeschreibungen und technische Daten.
	HOMEPILOT Roller Shutter Motor Classic Installation and Operation Manual Comprehensive manual for HOMEPILOT Roller Shutter Motor Classic series (s10, m10, m20), covering installation, electrical connection, safety, and operation. Includes technical specifications and troubleshooting.
	Homepilot 16991002 Remote Control Keyfob Quick User Guide Step-by-step instructions for programming the Homepilot 16991002 remote control keyfob for garage door openers. Find full manuals and support at service.homepilot-smarthome.com.
	HOMEPILOT Rollladenmotor classic: Betriebsanleitung und Montageanleitung Umfassende Betriebsanleitung und Montageanleitung für den HOMEPILOT Rollladenmotor classic (Serien s10, m10, m20). Enthält Sicherheitshinweise, Installationsschritte, Funktionsbeschreibungen und technische Daten.

	RADEMACHER DuoFern Sun Sensor Installation and Operating Manual Installation and operating manual for the RADEMACHER DuoFern Sun Sensor (Type 9478-1). This device controls DuoFern devices based on brightness and detects vibrations for functions like glass breakage detection. Includes safety instructions, installation guide, configuration steps, technical specifications, and EU declaration of conformity.
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Documents - HOMEPILOT – 16901001

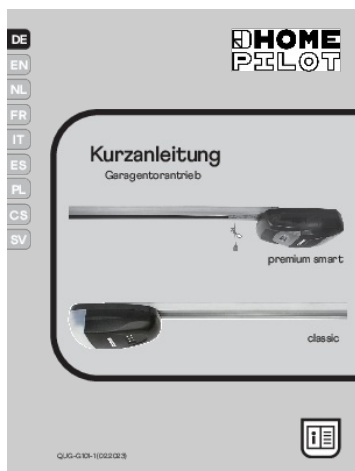


[\[pdf\]](#) User Manual Instructions Reference Guide Guide

16901001 Home Pilot home pilot domomat |||

16901001 - Home Pilot Moteur connect Premium Home Pilot - Pour portes de garage - 900N 434,5 MHz Rf **16901001** 258.55TTC* Voir le produit : <https://www.domomat.com/498719-moteur-tubulaire-sans-fil-m10-home-pilot-pour-volets-roulants-premium-10nm-ip44-bleu-home-pilot-16901001.html> Le produit Moteur con...

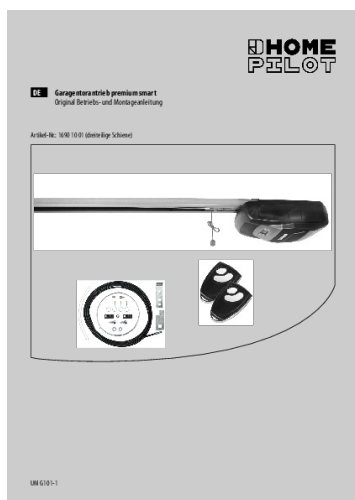
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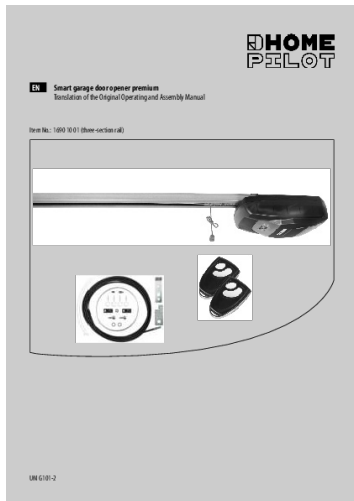
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[\[pdf\]](#) User Manual Instructions

Instrukcja obsługi Rademacher Homepilot napęd bramy garażowej Premium Smart silnik 16901001 od PLN 1283 27 2023 Porównanie cen Cenowarka Polska 41e6fa69bee5dfeba10eb808abb66af08385 gzhls at blob ldb 0 5 b |||

EN Smart garage door opener premium Translation of the Original Operating and Assembly Manual Item No.: 1690 10 01 three-section rail UM G101-2 EN 2 i Contents

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