



Quality Tools for Smart Cleaning

STINGRAY
The Ultimate Indoor Cleaning Tool



QUICK START

ENGLISH

DEUTSCH

FRANCAIS

ITALIANO

ESPAÑOL

NEDELANDS

OPERATING INSTRUCTIONS • BEDIENUNGSANLEITUNG
MODE D'EMPLOI • ISTRUZIONI PER L'USO
INSTRUCCIONES DE MANEJO • BEDIENINGSHANDLEIDING



Quality Tools for Smart Cleaning

Stingray® Cleaning System Quick Start



Stingray® Handheld
Stingray® Basis Handgerät
Appareil de base Stingray®
Apparecchio portatile di base Stingray®
Unidad de mano básica Stingray
Stingray® basis-handapparaat

Stingray® Extension Poles - Short & Long
Stingray® Verlängerungsstangen - kurz & lang
Perches de rallonge Stingray® - courte et longue
Aste di prolunga Stingray® - corta e lunga
Mangos de extensión Stingray - corta y largo
Stingray® verlengeringssteel kort en lang



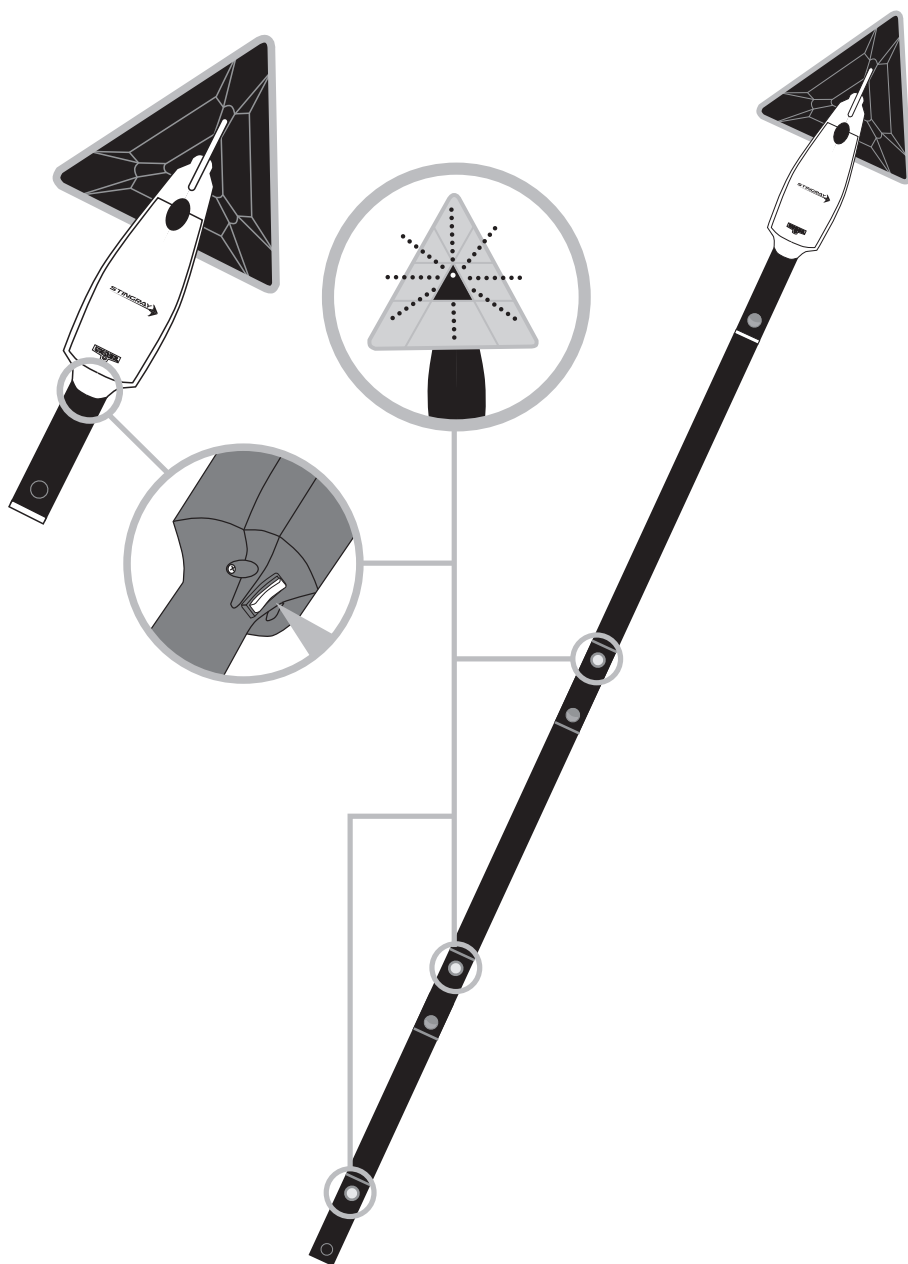
Stingray® Professional Glass Cleaner
Stingray® professioneller Glasreiniger
Nettoyant vitres Stingray®
Liquideo per la pulizia dei vetri Stingray®
Liquideo limpiacristales Stingray®
Stingray® vloeistof voor glas



2-AA Batteries included
Inklusive 2 AA-Batterien
Livré avec 2 piles AA
2 batterie AA incluse
Include 2 pilas AA
Inclusief 2 AA-batterijen



Stingray® Cleaning TriPads/QuikPad
Stingray® Reinigungs TriPads/QuikPad
TriPad/QuikPad de nettoyage Stingray®
TriPad/QuikPad di pulizia Stingray®
Mopa TriPad/QuikPad Stingray®
Stingray® Reinigungs TriPads/QuikPad

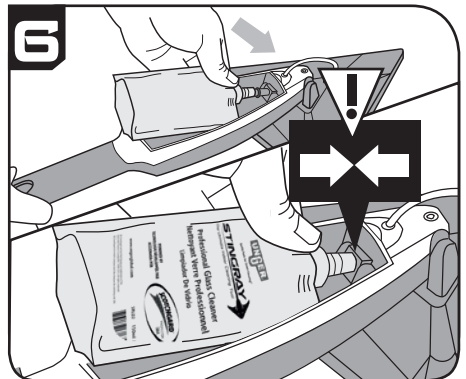
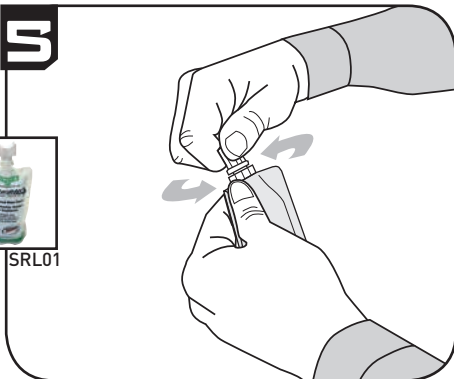
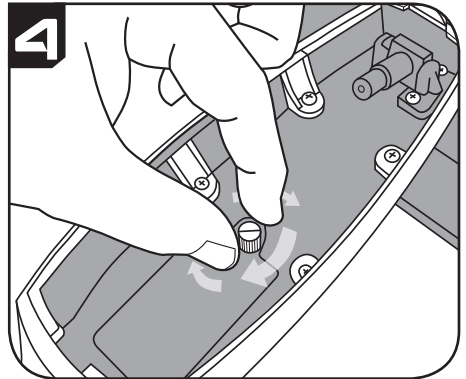
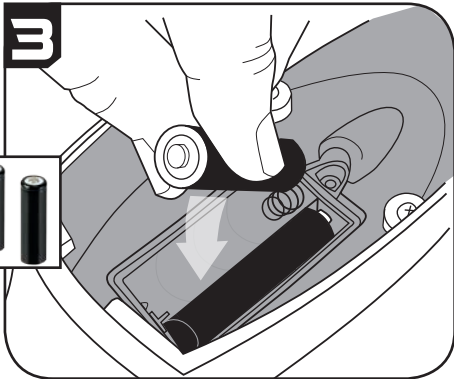
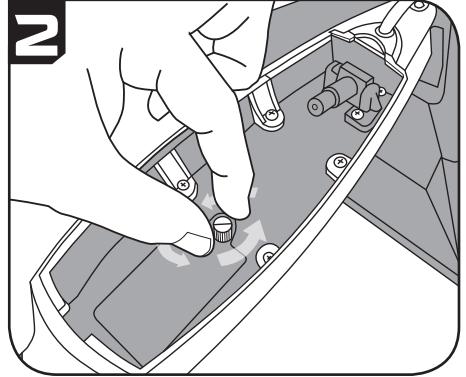
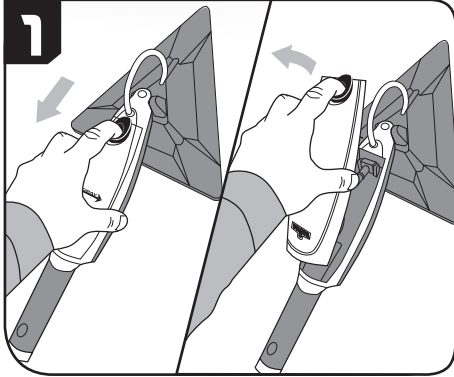


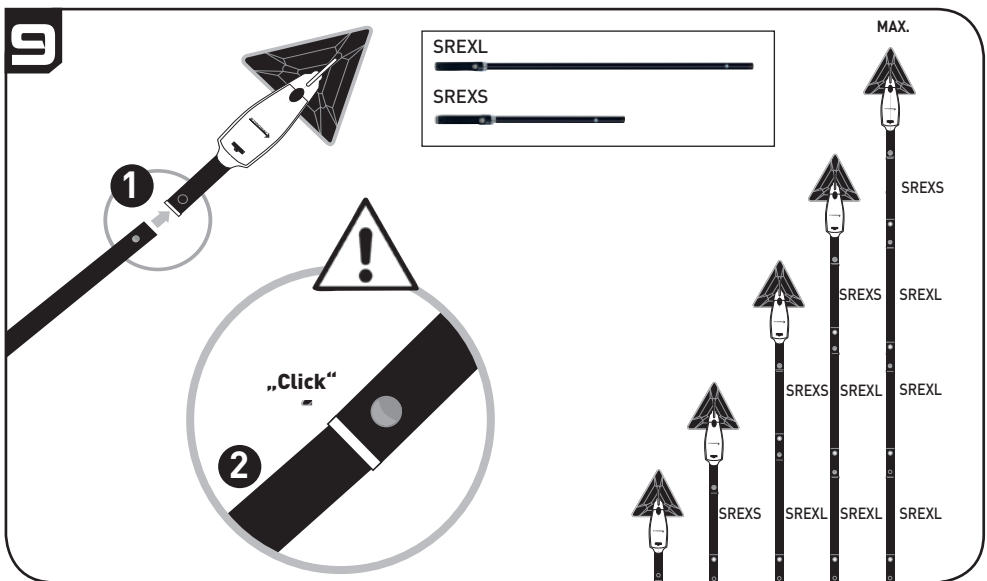
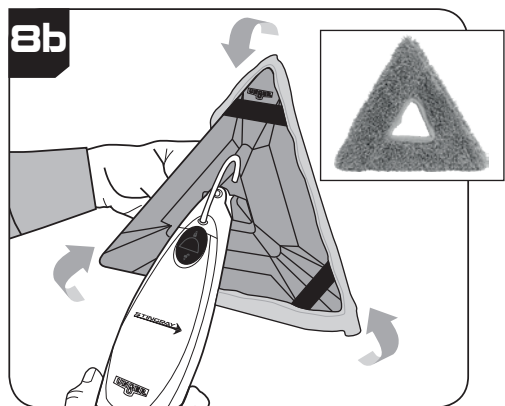
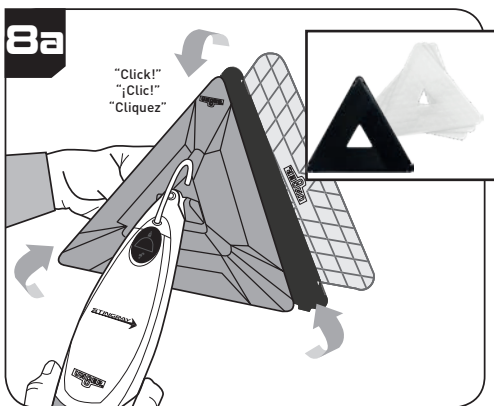
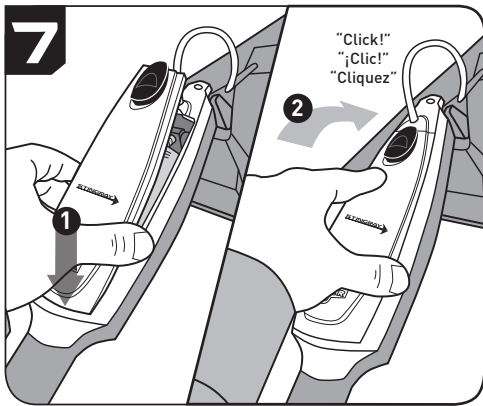
READ MANUAL AND FOLLOW ALL WARNING AND USAGE INFORMATION
LESEN SIE DIE BEDIENUNGSANLEITUNG UND BEFOLGEN SIE ALLE WARN- UND NUTZUNGSHINWEISE.
LIRE LE MANUEL ET SUIVRE TOUTES LES INFORMATIONS D'AVERTISSEMENT ET D'UTILISATION
LEGGERE IL MANUALE E SEGUIRE TUTTE LE AVVERTENZE E LE INFORMAZIONI DI UTILIZZO
LEA EL MANUAL Y SIGA TODA LA INFORMACIÓN DE ADVERTENCIA Y USO
LEES DE HANDLEIDING EN VOLG ALLE WAARSCHUWINGS- EN GEBRUIKINFORMATIE OP



Quality Tools for Smart Cleaning

Stingray® Cleaning System Quick Start







Quality Tools for Smart Cleaning

Stingray® Cleaning System Table of contents

1. Safety Information	7
Warranty	7
1.1. General warnings	8
1.2. Intended use	8
1.3. Cleaning Solution - Warning	9
2. System Overview	10
3. Installation	10
3.1 Installing the Glass Cleaner Pouch	11
3.2 Assembly of the Microfibre Pad	11
3.3 Assembly of Adapter Plate & QuikPad	11
3.3 Extension poles	11
3.4 Battery change	12
4. Use	12
5. Maintenance & Storage	13
6. Technical data	13
7. Environmental information	13
Declaration of conformity	56

Thank you for your purchase of the Unger Stingray® Indoor Cleaning System. This manual will help you get set up and begin using your system right and safe away.

Safety Information

Warranty

The general terms and conditions of Unger's standard warranty apply.

The warranty does not cover:

- Operating and installation errors.
- Opening/disassembly of housing other than by Unger (except battery change as described in section 3.4 and pouch change as described in section 3.1).
- Replacing connections and hoses, other than by UNGER.
- Replacing spare parts or components that are not recommended by UNGER.
- Performing unauthorized modifications to the design.
- Use of unauthorized chemical additives, chemicals, or refilling pouches.
- Non-compliance with safety and maintenance instructions.

The manufacturer is not liable for the malfunction of the device:

- When use is not in accordance with product instructions.
- When used for applications not in accordance with product instructions (see 1.2. Intended use on page 8).
- When failing to comply with safety instructions.

To reduce risk and injury, read entire manual before use.



Quality Tools for Smart Cleaning

Stingray® Cleaning System

Introduction & Warnings

1. Safety Information

The user must comply with all applicable local and federal labor laws and safety codes and standards. Prior to system installation and start-up, it is essential that you observe the safety regulations and instructions for installation and maintenance contained in this manual.

1.1 General Warnings

To prevent damage to the surfaces, never clean LED, LCD, plasma or similar monitors with this system.

Avoid spraying in the air. Place the cleaning pad on glass and spray in short intervals.

Never use with more than one short and three long pole sections, for a maximum pole length of 4,37m.

Follow all established safety procedures.

This product should be held and used based on the user's comfort level.

Use all appropriate Personal Protective Equipment (PPE).

1.2 Intended Use

This cleaning tool is intended for indoor surface cleaning. This tool is to be used by professionals only. Always take care that the device is properly installed, regularly maintained and used only as intended. The temperature in the working area should be between (5°C - 40°C / 40°F - 105°F).

Warnings

1.3 Cleaning Solution - Warning

Read and follow all use and safety instructions on the cleaning solution label.

Precautions: Avoid eye contact. Do not direct spray at face and eyes. Avoid breathing of vapors, mists or spray. Use only with adequate ventilation. Do not swallow. **KEEP OUT OF REACH OF CHILDREN.** If medical advice is needed, have product container or label on hand.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical attention. Dispose of in accordance with applicable federal, state/provincial and local regulations.

Do not refill pouch or use with other liquids unless recommended by Unger. Read label and safety data sheet (SDS) to ensure proper use. Test on small, inconspicuous area before broad application.

The Safety Data Sheet can be read and downloaded from our website www.ungerglobal.com or requested directly from compliance@ungerglobal.com



Quality Tools for Smart Cleaning

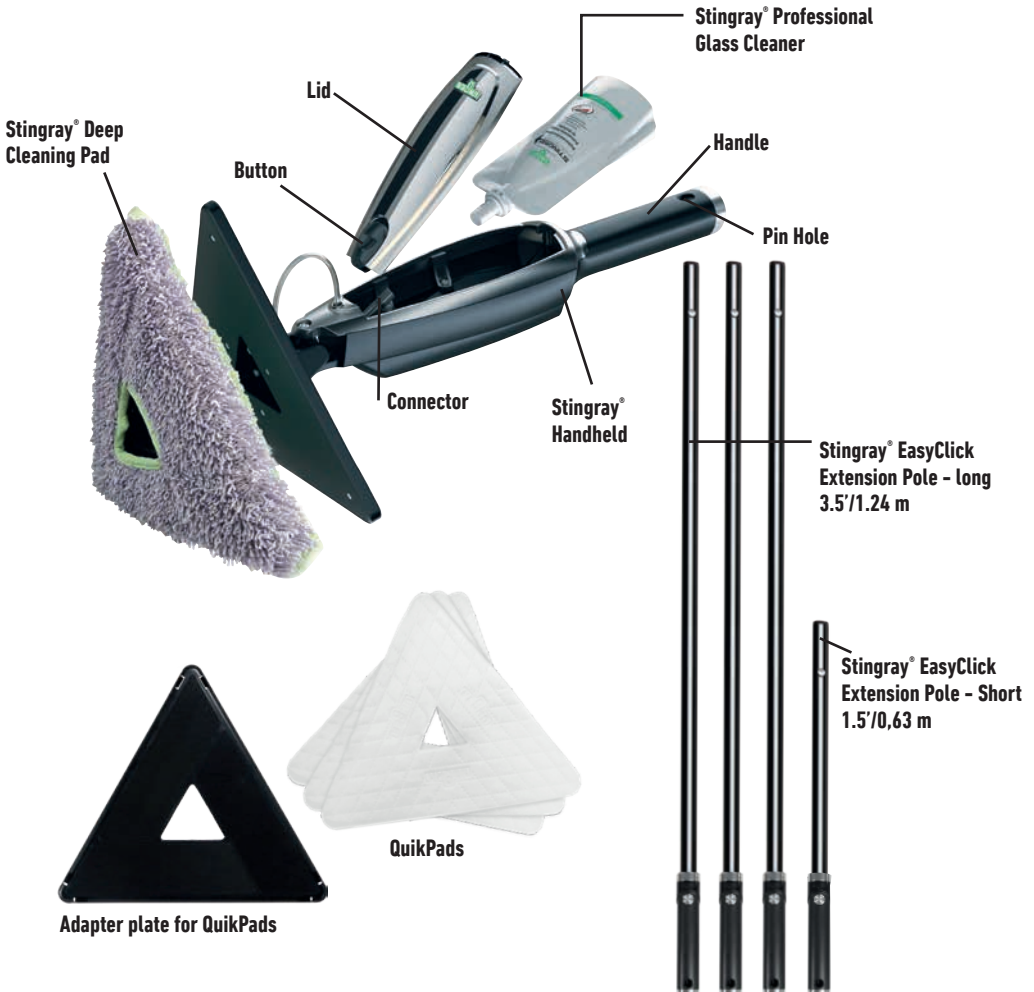
Stingray® Cleaning System System Overview

2. System Overview

Stingray® is a modular system. The handheld cleaning unit consists of the triangular cleaning head equipped with either a microfiber pad or adapter plate and QuikPad, depending on the kit purchased. The head is flexible and has an embedded spray jet in the center. The body of the unit can be opened to change the pouch and to change batteries.

The handheld unit can be used as a hand tool or can be extended/collapsed with extension poles. The activation button on the back of the unit is used to release the cleaning solution.

Every pole section has an activation button to release the cleaning solution.



Stingray® Cleaning System

Installation

3. Installation

3.1 Installing the Glass Cleaner Pouch

1. Open the compartment on handheld unit by sliding the black button back and remove the lid (picture 1).
 2. Take a new pouch out of the box and unscrew the protective cap.
 3. Be careful not to squeeze or apply too much pressure to the pouch as contents can spray once the safety cap is removed.
 4. Push the pouch onto the connector at the top of the compartment. You can rotate the connection stem up to have better access (picture 2). Always change the pouch with the cleaning head facing up.
 5. Push the pouch as far as possible onto the connection stem to prevent leakage (picture 3).
 6. Push the pouch and pin down so that it fits into the compartment.
 7. Replace the lid and confirm that the black button is locked into place (picture 4).
- **Attention:** When the pouch is removed, prevent the liquid from leaking by replacing the protective cap. Clean and dry any spills with a clean cloth.



3.2a Assembly of the Microfiber Pad

- The system is equipped with a triangular shaped microfiber pad.
- The pad provides maximum cleaning power in combination with the Stingray® Glass Cleaner.
- Put the microfiber pad onto the padholder. Fix it in place with the elastic bands in each corner.
- When the pad is dirty, take it off and wash it. Please see care label on pad.
- The area that can be cleaned with one pad will vary depending on the condition of the surface being cleaned.

3.2b Assembly of the Adapter Plate & QuikPad

- The system is compatible with the triangular shaped adapter plate and QuikPads.
1. Align the triangular adapter plate to the pad holder and press to lock into place.
 2. Align the QuikPad with the corners of the adapter plate and press down to secure.
- When the pad is dirty, remove and dispose.
 - The area that can be cleaned with one QuikPad will vary depending on the condition of the surface being cleaned.



3.3 Extension Poles

- The handheld unit can be used as a hand tool for easy to reach surfaces (picture 5).
- The handheld unit can be extended to reach higher or hard to reach surfaces using the available short (0,63 m) or long (1,24 m) extension poles (see page 4).
- The system is designed to use a maximum of three long and one short extension poles. Never exceed maximum recommended length. UNGER is not liable for any damages or injuries resulting from the failure to follow these instructions.
- When adding extension poles, be sure locking pins are locked into corresponding pin holes (picture 6).
- To unlock, press the locking pin and separate the extension poles (picture 7).





Quality Tools for Smart Cleaning

Stingray® Cleaning System Installation / Use

3.4 Battery Change

- Two AA batteries are required. Do not use rechargeable batteries!
- The battery compartment is located under the pouch.
- Remove the pouch from the compartment during battery change.
- Unscrew the battery lid.
- Remove old batteries and dispose of in accordance with applicable federal, state/provincial and local regulations.
- Do not mix old and new batteries. Do not mix different types of batteries such as non-rechargeable and rechargeable.
- Replace with new batteries. Pay attention to the correct orientation of each battery.
- Close the compartment and secure the lid with the screw.
- Do not expose batteries to direct sunlight, heat or fire.



4. Use

Every pole section has its own activation button to start the pump.

1. Before beginning a new cleaning job or when using a new pad, press the pad flat against the window (to minimize spaying cleaning solution into the air) and press the activation button for a maximum of five seconds to pre-moisten the pad.
2. Use circular motions to dampen the entire surface of the pad (fig. 1). During the cleaning process, use as little liquid as possible. If you need to re-moisten the pad, hold the activation button for about one second.
3. Pad only needs to be damp to achieve the best cleaning results.
4. When window cleaning, start by cleaning the window frames. Beginning in one corner, clean the outer edge of the window being sure to keep contact with the frame. (fig. 2)
5. Once outer area is cleaned, in all four corners and along all four edges, clean inner area of window. (fig. 3)



Additional Information

5. Maintenance & Storage

Wipe up any cleaning solution that has dripped/leaked from the pouch into the unit. After use, clean and dry the handheld unit and all extension poles with a microfiber cloth. Do not clean the handheld unit or poles under running water. Read and follow the washing instructions on the pad. Store the system safely. Do not lean extended poles against a wall. An upright position with cleaning head up is recommended. The Stingray® System fits into standard toolholders that are mounted to a wall.

The temperature in the storage room should be in the range of 5°C - 40°C (40°F - 105°F) max.



The Unger Hang Up is sold separately.

ENGLISH

6. Technical data

Length/shipping weight main unit	51 cm, 750g
Length/weight short extension pole	63 cm, 440g
Length/weight long extension pole	124 cm, 270g
Max. cleaning height	3x long, 1x short extension pole (app. 4,37m)
Dimension cleaning head / microfibre pad	25 x 25 x 2,5 cm
Material TriPad / QuikPad	SRPD1 (green): 70% polyester, 30% polyamide SRPD2 (grey): 90% polyester, 10% polyamide SRPD3/4 (QuikPad): 46% viscose 54% polyester
Batteries needed	2x 1,5V AA

7. Disposal/Environmental Information

The outer packing material (except the liquid pouch and QuikPads) can be recycled.

Handheld unit, poles, and adapter plate contain valuable materials that can be recycled. Please arrange for the proper recycling of old units.

Batteries contain substances that can contaminate the environment.

Please dispose of your old batteries in accordance with applicable federal, state/provincial and local regulations.



Quality Tools for Smart Cleaning

Stingray® Cleaning System Notes

Notes



Quality Tools for Smart Cleaning

EC Declaration of Conformity according to the EMC Directive 2014/30/EU, RoHS Directive 2011/65/EC. The **Indoor Cleaning Tools STINGRAY® by UNGER** has been designed and produced in accordance with the above mentioned EC Directives. The technical documents are complete. The complete EC Declaration of Conformity with all standards applied can be requested on the Unger Website or directly from Unger.

EG-Konformitätserklärung im Sinne der EMC Richtlinie 2014/30/EU, RoHS Richtlinie 2011/65/EG. Das **Innenreinigungswerkzeug STINGRAY® von UNGER** wurde entwickelt, konstruiert und gefertigt in Übereinstimmung mit den oben genannten EG-Richtlinien. Die technischen Unterlagen sind vollständig. Die komplette EG-Konformitätserklärung mit allen angewandten Normen kann auf der Unger Website oder bei Unger direkt angefordert werden.

Déclaration de conformité CE conformément à la directive EMC 2014/30/EU, RoHS à la directive 2011/65/CE. **L'outil pour nettoyage interieur STINGRAY® de UNGER** est été développée, conçue et fabriquée conformément aux directives CE mentionnées ci-dessus. La documentation technique est complète. La déclaration de conformité CE complète avec toutes les normes appliquées peut être demandée directement sur le site Internet de Unger ou directement à Unger.

Dichiarazione di Conformità CE ai sensi della EMC direttiva 2014/30/EU, RoHS direttiva 2011/65/ECE. Il **strumento STINGRAY® di UNGER** è sviluppato, costruito e realizzato conformemente alle Direttive CE sopra menzionate. La documentazione tecnica è completa. La Dichiarazione di Conformità CE completa con tutte le norme applicate è disponibile sul sito Web di Unger, oppure può essere richiesta direttamente presso Unger.

Declaración de conformidad CE conforme a la EMC directiva 2014/30/EU, RoHS directiva 2011/65/EC. La **herramienta STINGRAY® de UNGER** ha sido desarrollada, diseñada y producida en conformidad con las directivas CE anteriormente mencionadas. La documentación técnica es completa. La declaración de conformidad CE completa con todas las normas aplicadas puede solicitarse en la página eb de Unger o directamente en Unger.

EG-conformiteitsverklaring in het kader van de EMC richtlijn 2014/30/EU, RoHS richtlijn 2011/65/EC. De **binnenreinigings gereedschap STINGRAY® de UNGER** is ontwikkeld, geconstrueerd en vervaardigd in overeenstemming met de bovengenoemde EG-richtlijnen. De technische documenten zijn volledig. De complete EG-conformiteitsverklaring met alle toegepaste normen kan op de Unger-website of direct bij Unger aangevraagd worden.

Solingen, 01.04.2019

Paul Adams
Vice President of Global R&D



WEEE-Reg.-Nr. DE 16402490
Made in China

Unger Germany GmbH
Piepersberg 44
D-42653 Solingen
GERMANY
Fon +49 (0)212 / 22 07-0
Fax +49 (0)212 / 22 07-222
ungereurope@ungerglobal.com

Unger UK Ltd.
F1 Deansgate, 62-70 Tettenhall Road
Wolverhampton, WV1 4TH
UNITED KINGDOM
Fon +44 (0)1902 306 633
Fax +44 (0)1902 306 644
ungeruk@ungerglobal.com

Unger Enterprises LLC
425 Asylum Street
Bridgeport, CT 06610
USA
Tel.: (1) 800.431.2324
Fax: (1) 800.367.1988
unger@ungerglobal.com

www.ungerglobal.com



VK497