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> [surmen CSA Profile 118 Keys Double-Shot PBT Keycap Instruction Manual](#)

### surmen CSA Profile 118 Keys Double-Shot PBT Keycap Set

# surmen CSA Profile 118 Keys Double-Shot PBT Keycap Instruction Manual

## INTRODUCTION

This manual provides detailed instructions for the installation, use, and maintenance of your surmen CSA Profile 118 Keys Double-Shot PBT Keycap Set. These keycaps are designed to enhance the typing experience on compatible mechanical keyboards.

## PACKAGE CONTENTS

Your surmen keycap set includes:

- 118 x CSA Profile Double-Shot PBT Keycaps

## COMPATIBILITY

This 118-key set is compatible with various mechanical keyboard layouts, including:

- 61-key keyboards
- 64-key keyboards
- 68-key keyboards
- 82-key keyboards
- 84-key keyboards
- 87-key keyboards

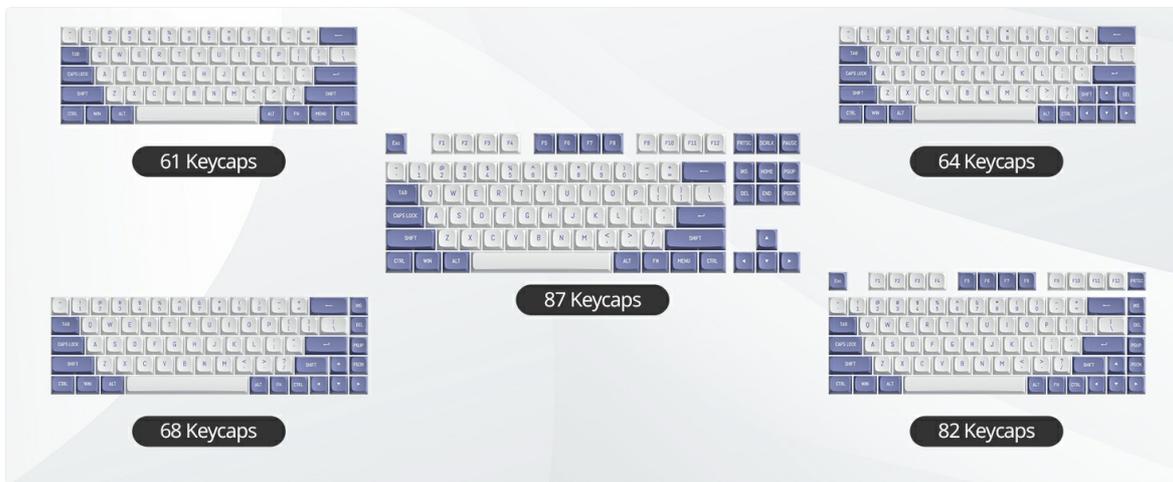


Image: Visual representation of compatible keyboard layouts.

## INSTALLATION GUIDE

### Tools Required

- Keycap puller (recommended for safe removal of existing keycaps)

### Step-by-Step Installation

1. **Prepare Your Keyboard:** Disconnect your keyboard from your computer. If your keyboard has existing keycaps, use a keycap puller to carefully remove them. Grip the keycap firmly and pull straight up to avoid damaging the switch stem.
2. **Identify Keycap Placement:** Refer to your keyboard's layout and the provided keycaps. The set includes various sizes for modifier keys (Shift, Ctrl, Alt, Enter, Spacebar) to accommodate different layouts.
3. **Install New Keycaps:** Align the cross-shaped stem of the new keycap with the switch stem on your keyboard. Gently press down until the keycap is securely seated. Ensure it is level and does not wobble.
4. **Test Functionality:** Once all keycaps are installed, reconnect your keyboard and test each key to ensure proper function and seating.



Image: surmen keycaps installed on a mechanical keyboard.

## KEYCAP FEATURES

### CSA Profile

The CSA profile keycaps offer a unique ergonomic design. They are characterized by a wide and flat top surface, with a slight concavity in the middle and a higher elevation at both sides. This profile is designed for comfort during extended typing or gaming sessions, providing a distinct feel compared to XDA or Cherry profiles.

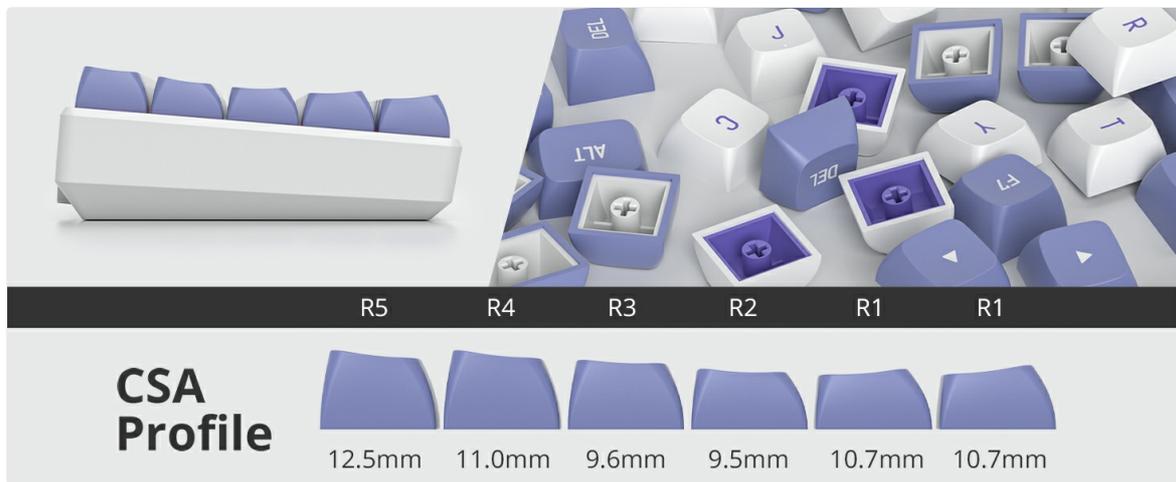


Image: Detailed diagram of the CSA keycap profile.

## Double-Shot PBT Material

These keycaps are manufactured using a double-shot molding process with thickened PBT (Polybutylene Terephthalate) plastic. This construction method ensures:

- **Durability:** PBT is known for its high hardness, wear resistance, and resistance to high temperatures, making the keycaps long-lasting.
- **Oil-Proof Surface:** The scrubbed surface texture feels smooth and resists oil and fingerprints, maintaining a clean appearance even after prolonged use.
- **Fade Resistance:** The legends (characters) are molded from a separate piece of plastic, meaning they will not fade or wear off over time, unlike printed legends.
- **Readability:** The closed characters offer excellent readability.

**Note on Backlighting:** These keycaps are not designed for shine-through backlighting through the legends. While some light may emanate from the sides of the keycaps depending on your keyboard's RGB, the characters themselves will not illuminate.

## MAINTENANCE AND CARE

### Cleaning

To maintain the appearance and feel of your keycaps:

- Gently wipe the keycaps with a soft, damp cloth.
- For deeper cleaning, remove the keycaps and wash them with mild soap and water. Ensure they are completely dry before re-installing.
- Avoid using harsh chemicals or abrasive materials, as these can damage the PBT surface.

## TROUBLESHOOTING

### Keycap Does Not Fit

- Ensure the keycap is correctly aligned with the switch stem.

- Verify that the keycap size matches the intended key on your keyboard layout (e.g., correct size for Shift, Ctrl, Alt).

### Backlighting Not Visible Through Legends

- As noted, these keycaps are not designed for shine-through legends. The double-shot PBT construction provides opaque characters.
- Any visible backlighting will typically be from the sides of the keycaps, illuminating the space between keys.

## SPECIFICATIONS

- **Keycap Profile:** CSA
- **Material:** Double-Shot PBT (Polybutylene Terephthalate)
- **Key Count:** 118 keys
- **Compatibility:** 61/64/68/82/84/87 mechanical keyboards
- **Item Weight:** 1.08 pounds
- **Package Dimensions:** 14.61 x 6.06 x 1.42 inches
- **Manufacturer:** GTSP
- **Brand:** surmen

## WARRANTY AND SUPPORT

For any questions, technical support, or warranty inquiries regarding your surmen keycap set, please contact the manufacturer or your point of purchase. Please retain your proof of purchase for warranty claims.