UY CHAN TS80P-T

UY CHAN TS80P-T B02 Soldering Iron Tip Replacement Manual

For TS80 and TS80P Mini Portable Soldering Irons

1. Product Overview

This document provides instructions for the UY CHAN TS80P-T B02 Soldering Iron Tip, designed as a replacement for the TS80 and TS80P Mini Portable Soldering Iron Kits. This tip features a unique 3.5mm audio jack design for easy, screw-less installation, offering fast heating and a long lifespan.

Key Features:

- Original tip replacement for TS80 and TS80P Soldering Iron Kits.
- Unique 3.5mm audio jack easy-plug design for simple installation.
- Constructed from high-quality materials for fast heating and extended durability.
- Available in various sizes, including B02 and D25. This manual specifically covers the B02 tip.

NOTE: This tip is designed exclusively for TS80 and TS80P soldering irons. It is not compatible with other soldering irons, including the TS100.

2. What's Included

The package contains one (1) UY CHAN TS80P-T B02 Soldering Iron Tip.



Image: The UY CHAN B02 Soldering Iron Tip, showing its pointed end and the 'B02 Tip' label.

3. Installation Guide

Follow these steps to correctly install the B02 soldering iron tip into your TS80 or TS80P soldering iron:

1. **Ensure Power is Off:** Before handling the soldering iron or tip, ensure the device is completely powered off and cool to the touch.
2. **Remove Old Tip (if applicable):** If a tip is already installed, gently pull it straight out from the soldering iron handle. Allow it to cool completely before disposal.
3. **Insert New Tip:** Align the 3.5mm audio jack end of the B02 tip with the corresponding port on the TS80 or TS80P soldering iron handle. Push the tip firmly and straight into the handle until it is securely seated. No twisting or excessive force is required due to the easy-plug design.
4. **Verify Connection:** Ensure the tip is fully inserted and stable. A loose connection can lead to poor heating performance or damage.



Image: A close-up view of the 3.5mm audio jack connector on the soldering iron tip, highlighting its design for easy insertion.



Image: The complete UY CHAN soldering iron tip assembly, showing the tip, heating element, and 3.5mm connector.

4. Operating Instructions

Once the B02 tip is securely installed, operate your TS80 or TS80P soldering iron according to its specific user manual. The B02 tip is designed for general-purpose soldering tasks, offering precise heat transfer and durability.

- **Pre-tinning:** Always pre-tin the new tip by applying a small amount of solder to the heated tip surface. This protects the tip from oxidation and improves heat transfer.
- **Temperature Settings:** Refer to your TS80/TS80P manual for recommended temperature settings for various soldering applications. The B02 tip is suitable for a wide range of temperatures.
- **Proper Soldering Technique:** Apply the tip to the joint, then feed solder onto the joint, not directly onto the tip. Allow the solder to flow evenly.

5. Maintenance

Proper maintenance extends the life of your soldering iron tip and ensures optimal performance.

- **Clean Regularly:** Wipe the tip frequently on a damp sponge or brass wool during use to remove excess solder and flux residue.
- **Re-tin After Cleaning:** After cleaning, immediately re-tin the tip with a small amount of fresh solder to prevent oxidation.
- **Storage:** When not in use, ensure the tip is clean and tinned before storing. Store the soldering iron in a dry, safe place.
- **Avoid Excessive Heat:** Operating the tip at excessively high temperatures for prolonged periods can shorten its lifespan. Use the lowest effective temperature for your task.

6. Troubleshooting

If you encounter issues with your soldering iron tip, consider the following:

- **Tip Not Heating:** Ensure the tip is fully inserted into the soldering iron handle. Check the soldering iron's power connection and settings. If the soldering iron displays a "NO TIP" error, try re-inserting the tip or cleaning the contacts.
- **Solder Not Sticking to Tip:** This is often due to tip oxidation. Clean the tip thoroughly with brass wool and re-tin it immediately with fresh solder. If heavily oxidized, a tip tinner/activator may be required.
- **Poor Heat Transfer:** Ensure the tip is clean and properly tinned. Verify that the soldering iron is set to an appropriate temperature for the task.

7. Specifications

Detailed specifications for the UY CHAN TS80P-T B02 Soldering Iron Tip:

Attribute	Value
Brand	UY CHAN
Model Number	TS80P-T
Tip Type	B02
Material	Stainless Steel
Head Style	Pencil
Item Weight	0.81 ounces (approx. 0.02 Kilograms)
Compatibility	TS80 and TS80P Soldering Irons ONLY
Connection Type	3.5mm Audio Jack



Image: Diagram showing the dimensions of the soldering iron tip, indicating a length of 129mm and a diameter of 16mm for the protective tube.

8. Warranty and Support

For warranty information and technical support regarding your UY CHAN TS80P-T B02 Soldering Iron Tip, please refer to the documentation included with your original TS80 or TS80P Soldering Iron Kit, or visit the official UY CHAN website. Keep your purchase receipt as proof of purchase for any warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question