

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit www.horizonhobby.com and click on the support tab for this product.

Meaning of Special Language:

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND little or no possibility of injury.

WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

14+ AGE RECOMMENDATION: Not for children under 14 years. This is not a toy.

Safety Precautions and Warnings

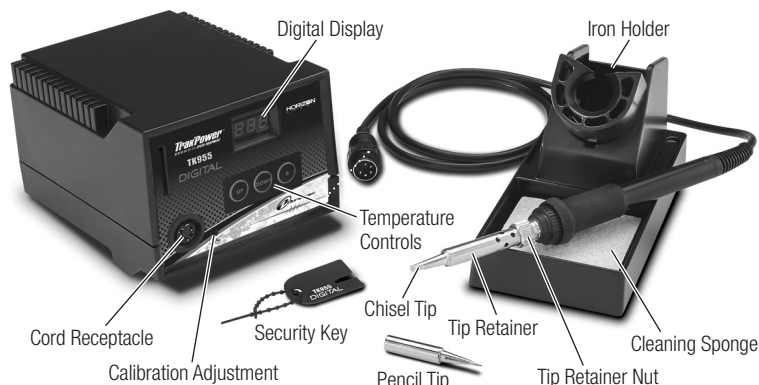
CAUTION: When the power is on, the tip temperature is between 200°C / 400°F and 480°C / 899°F. Since mishandling may lead to burns or fire, and to prevent damage to the unit and ensure a safe working environment, be sure to comply with the following precautions:

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself and others or result in damage to the product or the property of others.

- Do not touch the metallic parts while operating.
- Always store the iron in the holder when not in use.
- Do not use the product near flammable items.
- Advise other people in the work area that the unit can reach a very high temperature and should be considered potentially dangerous.
- Turn the power off while taking breaks and when you are finished using it.
- Before replacing parts or storing the unit, turn the power off and allow the unit to cool to room temperature.
- Do not use the unit for applications other than soldering.
- Do not hit the soldering iron against the work bench or other objects to shake off residual solder.
- Do not modify the unit.
- Use only genuine replacement parts.
- Do not bend or damage the security key. Should the key become bent, do not force it into the station.
- Do not allow the unit to become wet or use the unit when your hands are wet.
- The soldering process will produce smoke. Make sure the area is well ventilated.

Packing List

- DTXR0955 Soldering Station
- Iron Holder with Sponge
- Pencil Tip
- Soldering Iron with Tip
- 2 Security Keys



Setup and Operation

1. If desired, place the included optional graphics wrap on the iron. Use the box and manual pictures as a guide.
2. Connect the soldering iron cord assembly to the receptacle. Secure it by rotating the retaining clip clock-wise.
3. Install the desired tip.
4. Saturate the cleaning sponge with water and place it into the holder.
5. Plug the power cord into a grounded outlet.
6. Turn the power switch on. The heater LED will flicker when the temperature has stabilized. The heater LED is located in the lower right corner of the display.



CAUTION: Be sure to insert the slotted end of the security key into the key slot. While setting the temperature, the heating element is off.

1. Insert the key into the key slot in the station. The left-most digit (the 100's digit) in the display will flash. This indicates the station is in the temperature setting mode and the 100's digit can be adjusted.
2. Select the desired value of the 100's digit. Pressing the "UP" or "DOWN" button will change the displayed value.
3. Press the "*" button when the desired value is displayed. This will cause the middle digit (the 10's digit) in the display to flash.
4. Pressing the "UP" or "DOWN" button will change the displayed value.
5. Press the "*" button when the desired value is displayed. This will cause the right digit (the 1's digit) in the display to flash.
6. Pressing the "UP" or "DOWN" button will change the displayed value.
7. Pressing the "*" button does the following actions:
 - a. Enters the temperature setting into the internal memory
 - b. Displays the temperature setting
 - c. Starts the heater control

Security Key

If the key is left in the unit, push and hold the "*" button for more than 1 second. The soldering station goes into temperature setting mode. Pressing the "*" button for less than 1 second will display the present temperature setting for two seconds and then return to showing the tip temperature. Removing the security key will not allow the temperature setting to be changed until the key is reinserted.

Parameter Adjustments

The following parameters can be adjusted while in parameter input mode:

- A. °C or °F temperature display
- B. Heater error temperature tolerance
- C. Display room temperature for tip calibration

Parameter Input Mode

1. Turn off the power switch.
2. Press and hold the "UP" and "DOWN" buttons simultaneously.
3. Turn on the power switch.
4. Continue holding down the "UP" and "DOWN" buttons until display shows 1C or 1F. The station is in parameter input mode.
5. To change temperature units: Use the "UP" and "DOWN" buttons to change between 1C (for Celsius) or 1F (for Fahrenheit).
6. When desired unit is displayed, press the "*" button. The station is now in heater error temperature tolerance setting. The temperature will be displayed with the 100's digit flashing.

IMPORTANT: Heater Error Temperature Tolerance: If power is being sent to the soldering iron and the tip temperature falls below the heater error temperature tolerance, the temperature display will flash. This indicates a possible heater malfunction.

Example: The temperature is set to 400°C and the heater error temperature tolerance is set to 50. If the tip temperature drops below 350°C while power is being sent to soldering iron, the display will begin to flash, indicating a possible heater malfunction.

7. To change heater error temperature tolerance, use the same steps in "Setting the Temperature" section. The temperature setting for the heater error temperature tolerance must be within the following range. For °C: 30-150° C. For °F: 60-300° F. If a temperature value outside of this range is selected, the display will return to flashing the 100's digit. If this happens, re-enter a temperature within the range.
8. After entering the heater error temperature tolerance, the station will display the room temperature compensation value.

IMPORTANT: Room Temperature Compensation Value: The room temperature compensation value is the measured temperature of the soldering iron tip. This value is used to calibrate the tip temperature when the soldering iron is replaced.

To calibrate the tip use the following steps:

- A. Allow the soldering station to cool to room temperature for one hour.
 - B. Use a thermometer to measure the room temperature.
 - C. Use a small regular or a cross point screw driver to adjust the screw marked "CAL" on the soldering station until the display indicates the room temperature measured by the thermometer.
9. Press the "*" button to exit the parameter input mode. The soldering temperature will be displayed for two seconds, after which power will be supplied to the heater and normal operation mode will begin.

Use

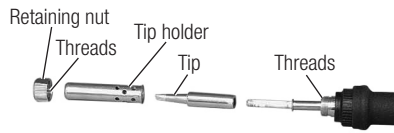
1. For the longest tip life, select the lowest temperature required to properly do the job.
2. Once the iron has reached the desired temperature, wipe the tip on the cleaning sponge to remove any build up.
3. Once the tip has been cleaned, coat it with a thin layer of fresh solder. This is called tinning the tip.
4. Use the smallest amount of solder needed to properly do the job. Extra solder requires extra heat and the chance of overheating the item being soldered.
5. When finished, wipe the tip clean and tin it with fresh solder. Turn off iron and let it cool before storing.

Care

1. Clean the tip regularly using the cleaning sponge. This removes impurities and reduces the oxidation that can limit heat transfer.
2. After every 4 hours of use: Allow the iron to cool. Remove the tip holder retaining nut and wipe the threads clean with a dry rag. Re-install the retaining nut finger tight. This will reduce the oxidation build-up that could cause the nut to seize onto the retainer.
3. Do not leave the unit turned on for long periods of time when not in use. Prolonged heating can degrade the tip even when not in use.
4. Always keep the cleaning sponge moist when using the iron. If the sponge is dry, it will not clean the tip properly and can burn.
5. To help reduce oxidation, always wipe and tin the tip with fresh solder when you're done soldering.
6. Check the condition of the tip. Tip life can vary greatly depending on the temperature used. Replace the tip if it becomes deformed or if solder will no longer stick to it.

Replacing the Tip

1. Turn off, unplug, and allow the iron to cool to room temperature.
2. Loosen and remove the retaining nut.
3. Remove the tip holder.
4. Remove and dispose of the old tip.
5. Wipe the threaded section of the iron and the retaining nut with a dry rag.
6. Install the new tip, holder, and retaining nut. The nut should only be tightened to finger tight.
7. Plug in and turn on the iron. When it reaches the desired temperature, wipe the new tip clean on the cleaning sponge and tin it with fresh solder.



Error Messages

--- = System Error

After the power has been turned on, the system checks the memory and the programs. If an abnormality is found, --- will be displayed and all operation will be completely stopped.

S - E = Sensor Error

If there is a possibility of a failure in the sensor or anywhere in the sensor circuit, **S - E** will be displayed and power to the soldering iron will be cut off.

Flashing of temperature display = Heater Error

If power is being sent to the soldering iron and the tip temperature falls below the heater error temperature tolerance, the temperature display will flash. This indicates a possible heater malfunction. **Example:** The temperature is set to 400°C and the heater error temperature tolerance is set to 50. If the tip temperature drops below 350°C while power is being sent to soldering iron, the display will begin to flash indicating a possible heater malfunction.

Replacement Parts

DTXR0960	TrakPower 908 iron
DTXR0965	TrakPower Cleaning sponge
DTXR0968	TrakPower 3.2mm chisel tip
DTXR0969	TrakPower 2.4mm chisel tip (optional)
DTXR0970	TrakPower 1.0mm pencil tip

Optional Accessories

DTXR0975	TrakPower Rosin Core Lead Free Silver Solder
DTXR0976	TrakPower Rosin Core Silver Solder 100g
DTXR1015	TrakPower Cleaning Wire with Holder

1-Year Limited Warranty

What this Warranty Covers – Horizon Hobby, LLC, (Horizon) warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship for a period of 1 year from the date of purchase.

What is Not Covered – This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, (v) Product not purchased from an authorized Horizon dealer, or (vi) Product not compliant with applicable technical regulations, or (vii) use that violates any applicable laws, rules, or regulations.

OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

Purchaser's Remedy – Horizon's sole obligation and purchaser's sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

Limitation of Liability – HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability. If you as the purchaser or user are not prepared to accept the liability associated with the use of the Product, purchaser is advised to return the Product immediately in new and unused condition to the place of purchase.

Law – These terms are governed by Illinois law (without regard to conflict of law principals). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

WARRANTY SERVICES

Questions, Assistance, and Services – Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please visit our website at www.horizonhobby.com, submit a Product Support Inquiry, or call the toll free telephone number referenced in the Warranty and Service Contact Information section to speak with a Product Support representative.

Inspection or Services – If this Product needs to be inspected or serviced and is compliant in the country you live and use the Product in, please use the Horizon Online Service Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. An Online Service Request is available at http://www.horizonhobby.com/content/_service-center_render-service-center. If you do not have internet access, please contact Horizon Product Support to obtain a RMA number along with instructions for submitting your product for service. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can

be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

NOTICE: Do not ship LiPo batteries to Horizon. If you have any issue with a LiPo battery, please contact the appropriate Horizon Product Support office.

Warranty Requirements – For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be serviced or replaced free of charge. Service or replacement decisions are at the sole discretion of Horizon.

Non-Warranty Service – Should your service not be covered by warranty, service will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashier's checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon's Terms and Conditions found on our website http://www.horizonhobby.com/content/service-center_render-service-center.

ATTENTION: Horizon service is limited to Product compliant in the country of use and ownership. If received, a non-compliant Product will not be serviced. Further, the sender will be responsible for arranging return shipment of the un-serviced Product, through a carrier of the sender's choice and at the sender's expense. Horizon will hold non-compliant Product for a period of 60 days from notification, after which it will be discarded.

10/2015

Contact Information

Country of Purchase	Horizon Hobby	Phone Number/Email Address	Address
United States	Horizon Service Center (Repairs and Repair Requests)	servicecenter.horizonhobby.com/RequestForm/	2904 Research Rd Champaign, Illinois, 61822 USA
	Horizon Product Support (Product Technical Assistance)	productsupport@horizonhobby.com 877-504-0233	
	Sales	websales@horizonhobby.com 800-338-4639	



Supplier's Declaration of Conformity

Duratrax TrakPower Soldering Iron Station I DTXR0955

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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