1. Fuh
2. Mains switch
3. LED **heating-up control**
4. **Socket** for **soldering** iron
5. **Temperature adjustment**
6. **Equipotentialization socket**
7. Vocuum **adjustment**
8. **Socket** for fingor swhch
9. **Filter retainer** with oir **filter** and **connection** for tubo
10. **Desoldering** norzlo
11. Silicon tin **container** with foh
12. **Desoldering** top
13. Soldoring tip
14. Fingor **switch**

SAFETY INSTRUCTIONS:

1. Connect the unit only to a grid voltage as indicated on the type plate.
2. Always ploce the (de-)soldering iron on the iron stand.
3. Switch off the unit when exchanging (de-)soldering tips.
4. Always switch off the unit whenleaving the work ploce, neverleave the (de-)soldering iron unattended (donger of fire!).
5. Keep the (de-)soldering iron out of reach of children (donger of severe burningl).
6. Never let unauthorised person in the reach of the unit.
7. Explain children all possible danger (burning).
8. Use the (de-)soldering iron only oppropriote.
9. When opening the unit always pull off the mains plug.
10. Use the unit only in dry inside places.
11. Remember thc danger of the high temperatures of the (de-)soldering iron, please work carefully.
12. Do not use this unit near inflammable moterials.
13. Always provide adequate ventilation at the working ploce.
14. Repairs at the device may only be carried out by electronic professionals who ore familiar with involved risks respectively with relevant rules (VDE-0100, VDE-0701, VDE-0683).

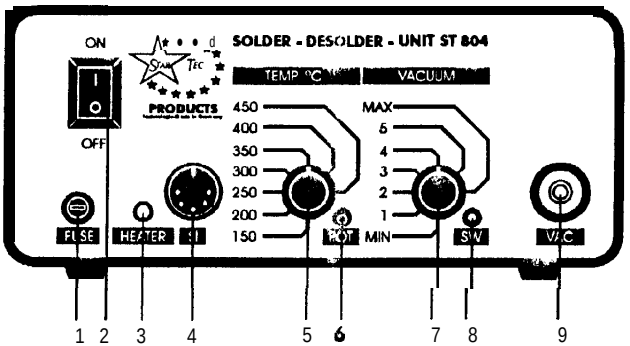
Radio dojammod **according to** EN 55014.
Technical changes reserved.

STAR TEC PRODUCTS

B.T.G. STAR TEC PRODUCTS

HÜTZELSTRASSE **18/20**
28 329 BREMEN **/ GERMANY**
467
TEL.: **FAX:0049-(0)421/0049-(0)421/** 467 6934 5517

OPERATING MANUAL



SOLDERING-DESOLDERING-VACUUM-STATION ST 804

Technical data :

Operoting vohogs:	primary AC 230V / 50Hz secondary 24V for (de-)soldering iron 12V for vacuum pump
Power:	80 watt
Fuse:	0,5A time log
Operoting indicotion:	by illuminated mains switch
Temperoture adjustment ronge:	150-450°C continuously
Heating indicotion:	by LED
Vocuum:	mox. 0,35bar
Aitflow capacity:	max. 350l/h

EAN - CODE : **4016049** 80400 0
ORDER - NO : 80400

SOLDERING - DESOLDERING - VACUUM - STATION St 804

This devicc gives the ambitious DIY-electrician as well as thc professional user the possibility to combine the advantages of a professional soldering station with the requirement of a desoldering station. A feather-weight and ergonomicolly formed low-voltage soldering iron, with a strong ceramic heating element and the easy as a soldering tip changcable desoldering top, were basis for this new development. Working with potential compensation and full wave logic (switching is done at zero crossing) are given as a matter of fad.

The Professional Character is supported from accurate temperature adjustment which is given by digital tcmperaturc control.

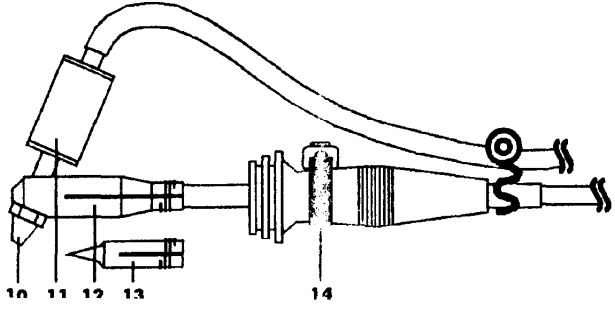
Easy handkng, together with the very quiet vacuum pump thit unit it fast integrated into thc working place and soon irreplacwble. Very significant are the strong desoldering top, where the heat is concentrated at the desoldering nozzle and the easy quick - change - system for air filter and desoldering tube. Easy handling is guaranteed by the finger switch and the continuously adjustable vacuum.

Very convincing are the compact construction and the enormous productivity and favourable pricing rotio.

Contenb:
- Station ST 804
- **(De-)soldering** iron 24V **/ 80W**
- **Soldering tip**
- **Desoldering** top
- Finger **switch**
- **(De-)soldering iron** stand
- **Operating manual**

The *sales receipt serves as warranty document.*

Please note: **The station requires** AC 230V grid **voltage.** **Please** check, **if** your **local voltage meets** this requfrement.



SOLDERING

First *steps:*

1. Insert soldering tip to soldering iron.
2. The soldering iron has to be placed on the iron stand.
3. Put the plug of the soldering iron into socket (SI).
4. Conned the mains plug to the mains socket (AC 230V).
5. Switch on thc unit.
6. Adjust the required temperature with the potentiometer.

Operating:

1. Take the soldering iron from the stand after reaching the required temperature.
2. Lead the soldering tip to the piece of work and add soldering tin.
3. Keep the soldering tip covered with tin at all times, this prcvents the tip of getting 'blind" (in this case the tin would not stuck onto the tip).

DESOLDERING

First steps:

1. Insert desoldering top to soldering iron.
2. The desoldering iron hos to be placed on the iron stand.
3. Put the plug of the desoldering iron into socket (SI).
4. Connect the tube to ST 804 (VAC).
5. Put the plug of the finger switch into socket (SW).
6. Connect the mains plug to thc mains socket (AC 230V).
7. Switch on the unit.
8. Adjust the required temperature with the Potentiometer.
9. Adjust the rcquired vacuum with thc potentiometer.

Operating:

1. Take the desoldering iron from the stand after reaching the required temperature.
2. Put the desoldering nozzle over the wire of the component to be desoldered.
   As soon as the solder tin is smelt thc desoldering process is carried out by pushing the finger switch to activate the vacuum pump, so that the airflow will suck the tin into the tin Container. As well connect the dcsoldering nozzle firm with the printed circuit board.
3. Kccp the desoldering nozzle covered with tin at all times to avoid darnage of surface.
4. Operation only with functional air filter!
   In order to guarantee the full ruction power of the pump, it is necessary to change the oir filter regulary.

Changing of the desoldering nozzle:

Exchanging desoldering nozzle is quite easy, but should not be done as long as thc dcsoldcring iron is hot (danger of severe buming!). Screw out desoldcring nozzle with aspanner or plier. Screw in the new dcsoldering nozzle.

Cleaning the tin container:

Carry out only at cold state! Danger of severe burning!
Remove tin Container from desoldering top and cmpty it. Replace felt if necessary.

Changing of the air filter:

Disconncct the tube from the unit and pull out the filter retainer.
The air filter is inside the fitter retainer and may be pushcd out with a sharpen object in order to replace it by a new one.