

JBC

www.jbctools.com

English



Compact Solder Feed Station

Ref. CF-D

Packing List

The following items should be included:

CF Control Unit 1 unit
Ref. CF-1D (120V)
CF-2D (230V)
CF-9D (100V)



Solder Feed Iron 1 unit
Ref. AP130-A



Brass Wool 1 unit
Ref. CL6210



Sponge 1 unit
Ref. S0354



Power Cord 1 unit
Ref. 0009417 (100V/120V)
0009401 (230V)



Manual 1 unit
Ref. 0014622

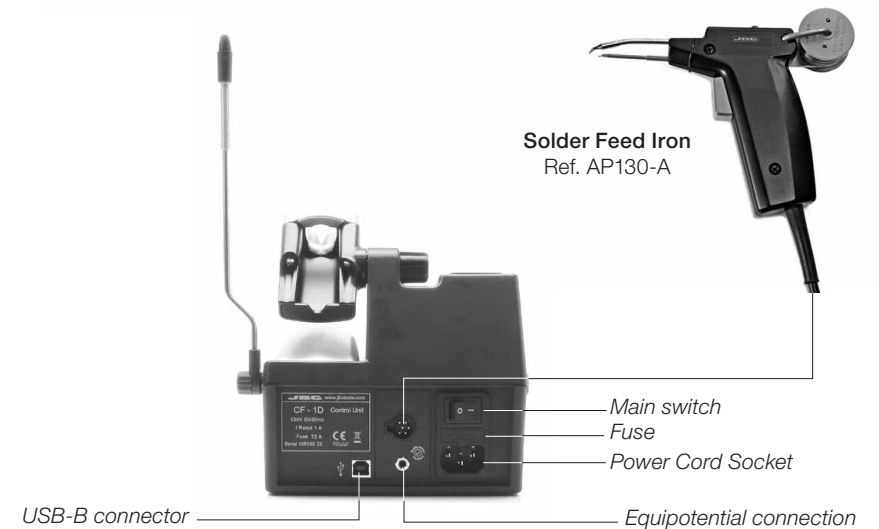


Features

CF Control Unit
Ref. CF-1D (120V)
CF-2D (230V)
CF-9D (100V)



Solder Feed Iron
Ref. AP130-A



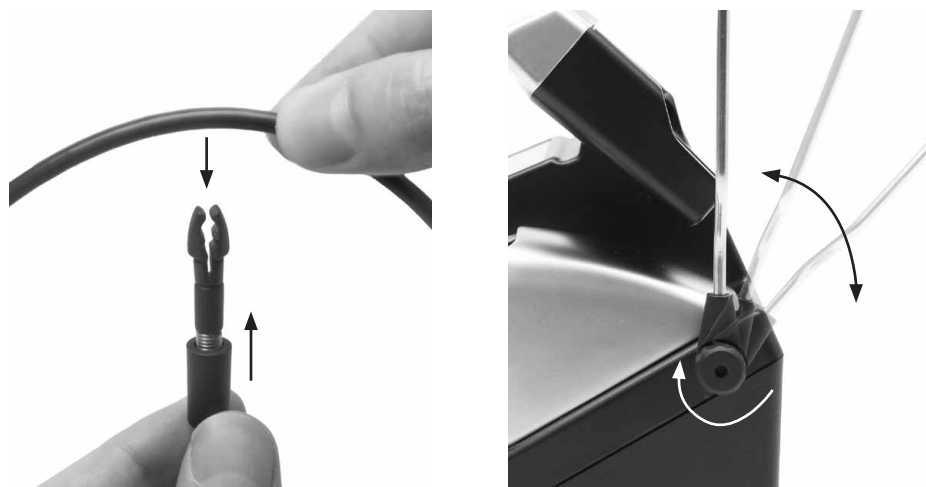
Adjustable stand

Adjust the tool stand to suit your work position.



Cable collector

Place the cable on the collector and adjust its position to maintain the work area free of cable.



Tip Cleaning System

Select the option that best suits your tip cleaning needs.

Splashguard



Brass Wool

Ref. CL6210

Very effective cleaning method.

Leaves a small layer of solder on the tip preventing oxidation between cleaning and reflowing.

More options for the splashguard (not supplied):



Inox Wool

Ref. CL6205

Provides a complete cleaning of the tip.



Metal Brush

Ref. CL6220

When used carefully, it provides a more thorough cleaning.

Tip Wipe



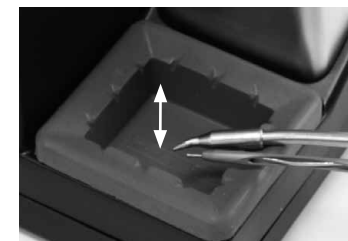
Sponge

Ref. S0354

The least harmful cleaning method.

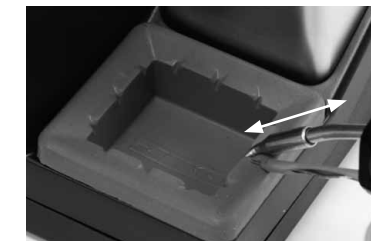
Keep the sponge damp with distilled water when working to avoid tip wear.

Tapping:



Tap gently to eliminate excess solder.

Wiping:



Use the slots to wipe off any remaining particles.

Changing cartridge

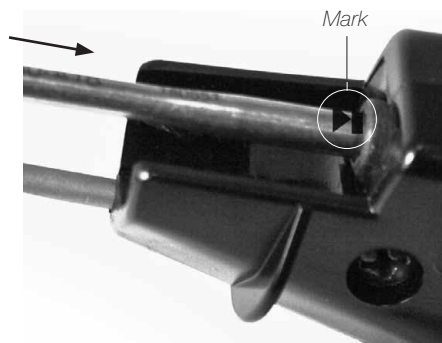
For a safe cartridge change, unplug the tool or turn the station off before following these guidelines:

1. Removing



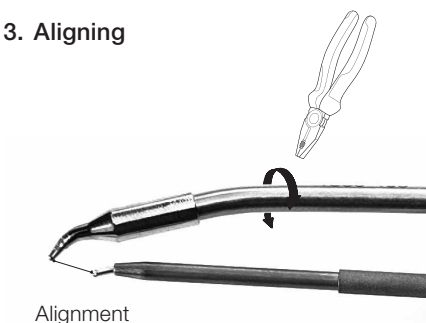
Loosen the screw and remove the cartridge.
⚠ Use a flat pliers if still hot.

2. Inserting



Important: Insert the cartridge as far as the mark for a correct connection.

3. Aligning



Align the tip of the cartridge with the feed tube. Use a flat pliers to correctly align the tip.

4. Fixing

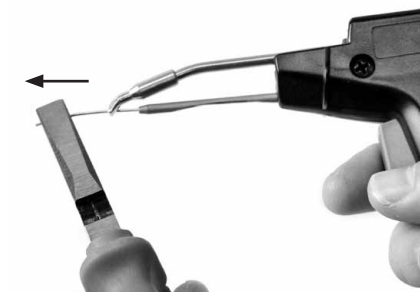


Important: Tighten the screw again being careful not to over-tighten. This is necessary for the tool to function.

Replacing solder wire

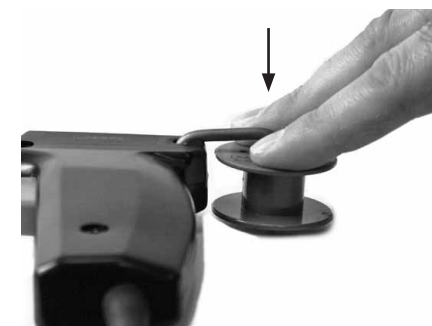
1. Remove the remaining solder wire

Pull out the remaining solder wire from inside the feed tube. Use a pliers if necessary.



2. Replace the solder reel

Push the empty reel to remove and fit the new one.



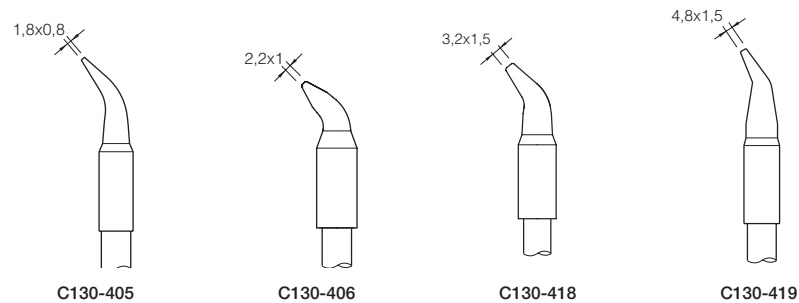
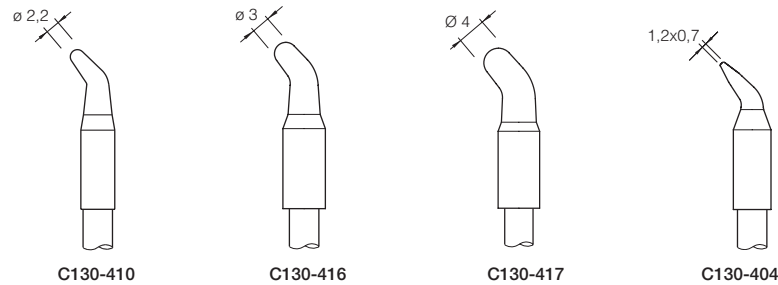
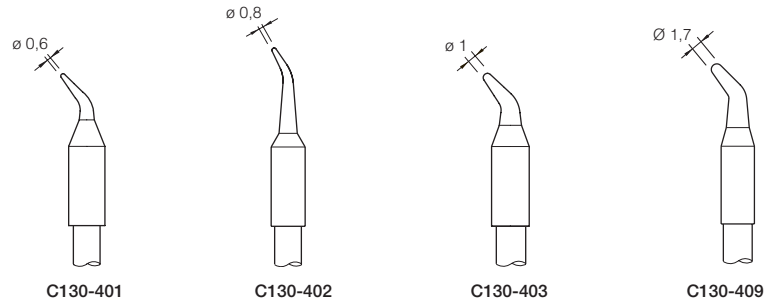
3. Insert the new solder wire

Pull the trigger repeatedly until the solder wire appears at the tip. Always use 0.8 - 1.0 mm diameter solder wire.



Compatible Cartridges

The AP130-A Solder Feed Iron works with the C130 Cartridge Range. Find the model that best suits your soldering needs in www.jbctools.com



Note: All the cartridges shown are actual size.

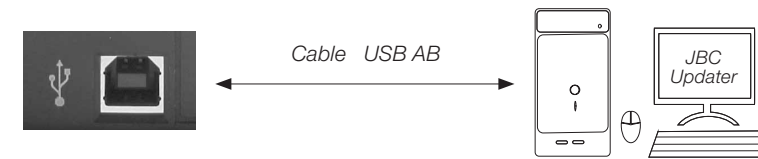
USB Connector

Download the latest software from our website to improve your soldering station.

JBC Updater

www.jbctools.com/software.html

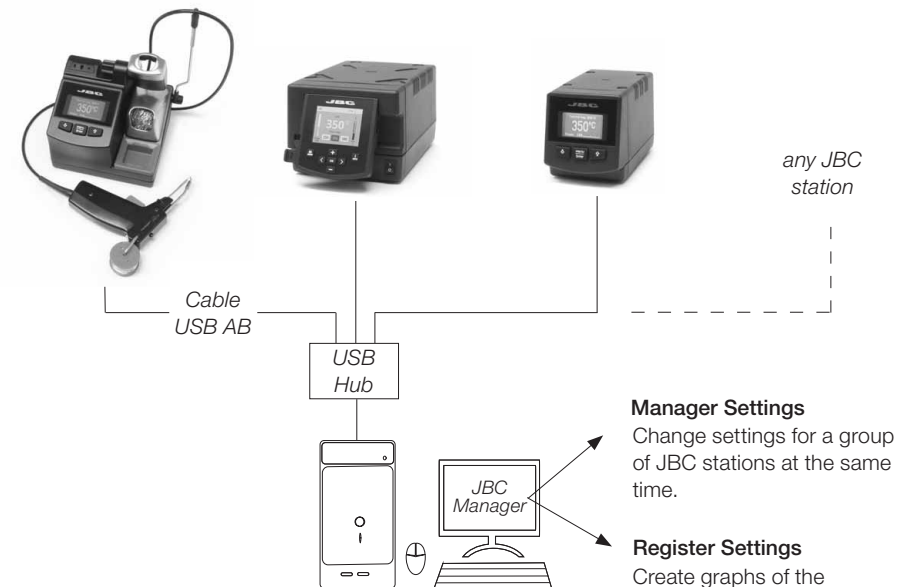
Update the station software via USB connection:



JBC Manager

www.jbctools.com/manager.html

Manage and monitor as many stations as your Windows PC supports by using the JBC Manager. You can export data to another PCs.



Operation

The JBC Exclusive Heating System

This revolutionary technology is able to recover tip temperature extremely quickly. This allows the user to work at a lower temperature. As a result, tip life increases by 5.

1. Work



When the tool is lifted from the stand the tip will heat up to the selected temperature.

2. Sleep

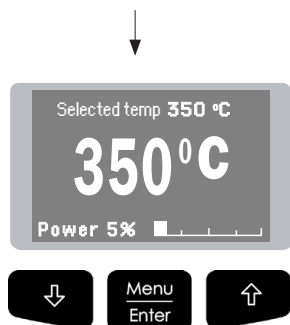


When the tool is in the stand, the temperature falls to 180°C / 360°F (preset sleep temperature).

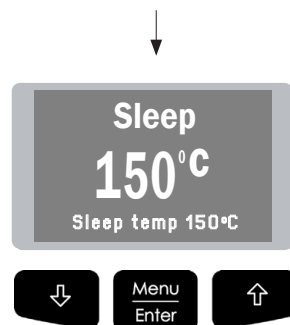
3. Hibernation



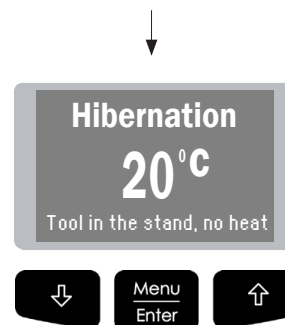
After longer periods of inactivity (pre-set to 30 min.), the power is cut and the tool cools down to room temperature.



- Change temperature (from 90 to 450°C)
- Select temperature levels
- Fix one temperature



- Change Sleep temperature
- Set Sleep delay (from 0 to 9 min or no Sleep)

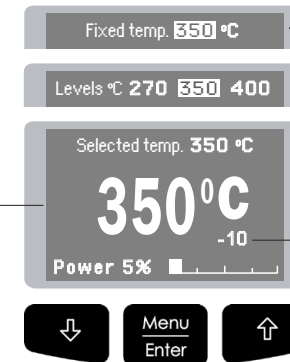


- Change Hibernation delay (from 0 to 35 min)

Process Control

Work Screen

The work screen provides useful information of tool status in real time.



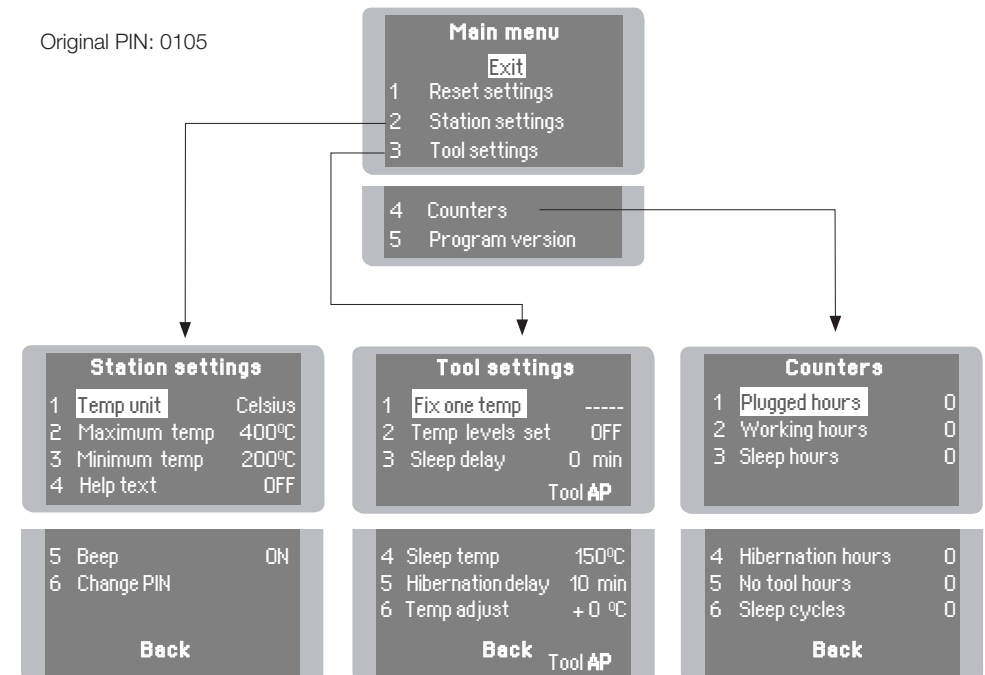
Displays a specific fixed temp.

Shown when you have selected temp. levels. The values must be adjusted according to the work needs.

"Temp. Adjust" parameter. It provides a more precise adjustment between the selected temp and the actual one.

Menu Screen

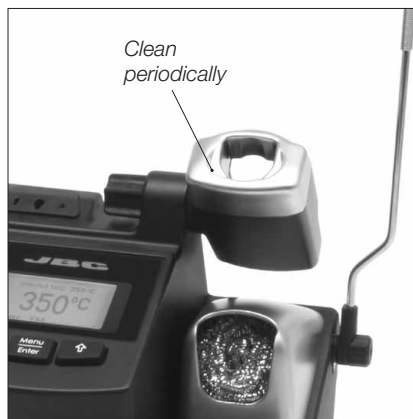
Original PIN: 0105



Maintenance

Before carrying out maintenance or storage, always allow the equipment to cool.

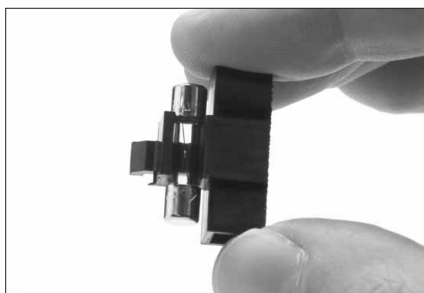
- Clean the station's screen with a glass cleaner or a damp cloth.
- Use a damp cloth to clean the casing and the tool. Alcohol can only be used for cleaning the metal parts.
- Periodically check that the metal parts of the tool/stand are clean so that the station can detect when the tool is in the stand.
- Maintain tip surface clean and tinned prior to storage in order to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.
- Periodically check all cables connections.
- Replace a blown fuse as follows:



1. Remove the fuse by pulling off the black cap. If necessary use a tool to lever it off.



2. Press the new fuse into the holder and replace it in the station.



- Replace any defective or damaged pieces. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.

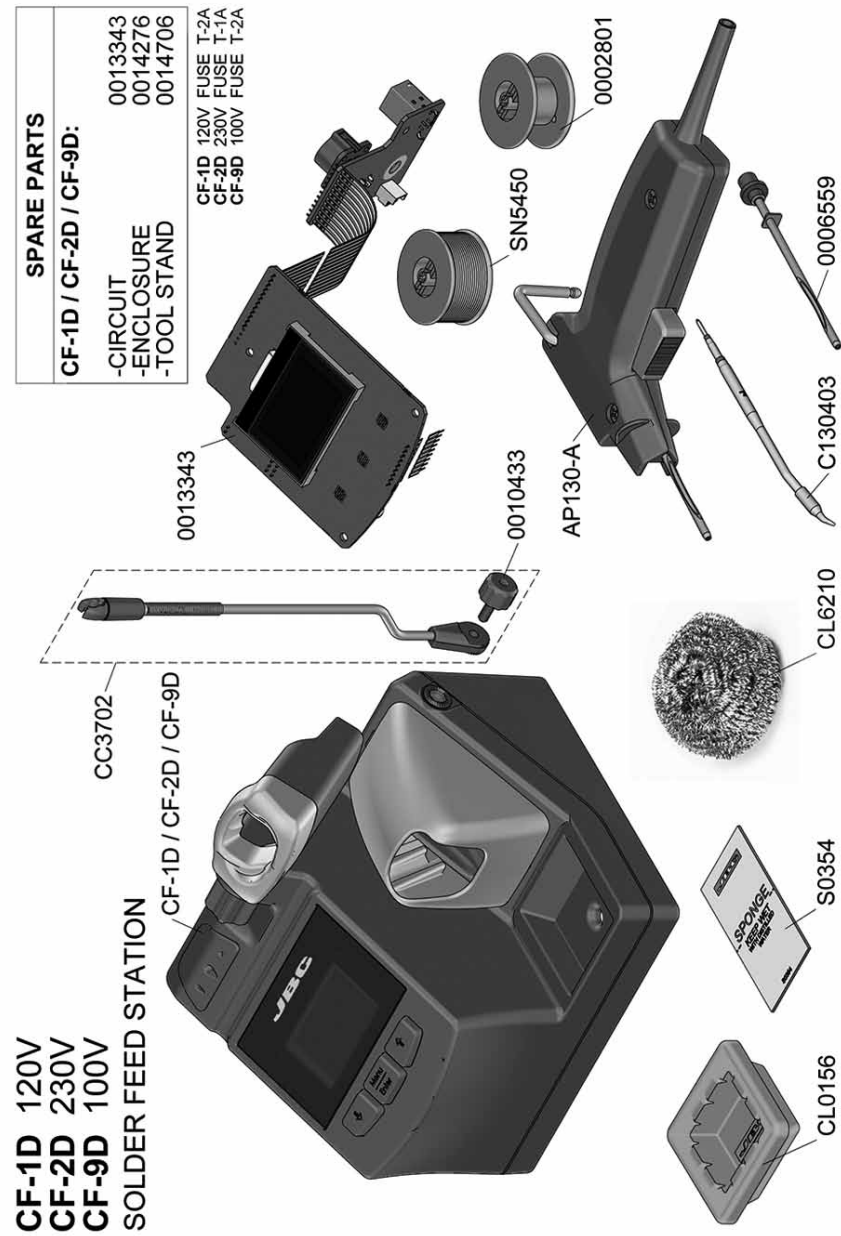
Safety



It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause fire.
- The power cord must be plugged into approved bases. Be sure that it is properly grounded before use. When unplugging it, hold the plug, not the wire.
- Do not work on electrically live parts.
- The tool should be placed in the stand when not in use in order to activate the sleep mode. The soldering tip, the metal part of the tool and the stand may still be hot even when the station is turned off. Handle with care, including when adjusting the stand position.
- Do not leave the appliance unattended when it is on.
- Do not cover the ventilation grills. Heat can cause inflammable products to ignite.
- Use a "non residue" classified flux and avoid contact with skin or eyes to prevent irritation.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal harm.
- Utmost care must be taken with liquid tin waste which can cause burns.
- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance.
- Maintenance must not be carried out by children unless supervised.

Exploded View



Specifications

- CF-1D** 120V 50/60Hz. Input fuse: 2A. Output: 23,5V.
 - CF-2D** 230V 50/60Hz. Input fuse: 1A. Output: 23,5V.
 - CF-9D** 100V 50/60Hz. Input fuse: 2A. Output: 23,5V.
 - Total unit weight: 2.8 Kg (6.2 lb)
 - Size: 150 x 175 x 145 mm
 - Temperature range: 90 to 450°C / 190 to 840°F (±5%).
 - Output Peak Power: 130W
 - Tip to ground resistance: <2 ohms
 - Tip to ground voltage: <2mV RMS
 - Ambient operating temp: 10-40 °C / 50-104 °F
 - USB connection station-PC
 - Diameter of Solder Wire: 0.8 - 1 mm (0.03 - 0.04 in)
 - Solder composition: Sn 99%/ Ag 0,3%/ Cu 0,7%
- Complies with CE standards.
ESD protected housing "skin effect".

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Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.

Warranty does not cover product wear due to use or mis-use.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.



This product should not be thrown in the garbage.

In accordance with the European directive 2002/96/EC, electronic equipment at the end of their life must be collected and returned to an authorized recycling facility.