



## 21CN Update March 2008

Please find the list of products that are eligible for a firmware update via an upgrade chip. The chip will allow the communications to function correctly with the delays introduced by the 21CN network.

**The following products are eligible for a firmware update.**

Gardtec 490X all versions

Gardtec CPX all versions

Gardtec 595 V 5.0 onwards Release date January 2006

Gardtec 816 V 8.0 onwards Release date January 2007

Gardtec 872 V 8.0 onwards Release date January 2007

ProSYS and WisDom panels in the market do not need any updates.

**Ordering information for upgrade chips:**

The first five items are upgrade chips and the last item is the tool you will need to make the change.

Please see the software chip change procedure below.

Part Number:	Description:
97490	Gardtec 490X 21CN Upgrade Chip V 2.4
97CPX	Gardtec CPX 21CN Upgrade Chip V 2.4
97595	Gardtec 595 V 5.0 21CN Upgrade Chip V5.7
97816	Gardtec 816 V 8.0 21CN Upgrade Chip V8.4
97872	Gardtec 872 V 8.0 21CN Upgrade Chip V8.5
97PLCC	21CN Chip Extraction Tool

Price per chip is £4.95

The price for the Tool is £5.95

RISCO Group will endeavour to be the first manufacturer to have fully compliant, fully tested equipment suitable for both current and future telecommunication networks.

# 21CN Update

## Software Chip Change Procedure



### GT CONTROL PANELS - SOFTWARE CHIP CHANGE PROCEDURE

#### 1. Power down the Control Panel :-

- i) Disconnect the Mains AC input power from the Control Panel e.g. remove the fuse from the Mains Terminal block, or remove the Fuse from the Fused Spur mains feed to the Control Panel.
- ii) Disconnect the Control panel Standby Battery.

#### 2. Remove Previous Version Chip :-

**WARNING:** The removal of the chip MUST BE DONE USING THE CORRECT PLCC EXTRACTION TOOL.

The use of screwdrivers etc. to prise the chip from the socket can cause irreparable damage to the chip socket thus requiring replacement Control Panel Circuit Board.

Damage so caused **is not covered** under the manufacturer's warranty.

- i) Using the PLCC Extraction tool supplied, remove the chip as follows:-
  - a) Insert the two prongs of the Tool into the two slots at the diagonally opposite corners of the Chip Socket. Ensure that the two prongs of the tool have located under both corners of the chip.
  - b) Carefully squeeze the sides of the plastic handle together until the base of the handles rests squarely on top of the chip, ensuring that the removal tool remains squarely and securely positioned, continue to gently squeeze the handles of the tool together until the chip has been lifted clear of the socket.
  - c) With the chip removed, carefully inspect the Chip Socket for any signs of damage especially for any cracking of the plastic moulding at the corners. If the moulding is cracked the board will need to be returned for repair, as the socket will no longer make reliable connections to the replacement chip. This could lead to intermittent malfunction of the Equipment at a later date.

#### 4. Insert the later version chip into the Chip Socket :-

CAUTION: Avoid touching any of the pins/contacts on the edge of the chip, contamination by finger greases etc. could cause unreliable connections between chip and socket at a later date.

- i) Note that the chip has a chamfer on one of its corners. Ensure that the chamfer matches up with the chamfer on the Chip Socket. With the Label side of the Chip uppermost, insert the chip into the socket with a gentle pressure, ensuring that the chip enters the socket squarely.



#### 5. Reconnect Mains AC supply.

- i) As soon as the LCD shows readable English, press [46YN] within 4 seconds.
- ii) Providing that you have pressed [46YN] within 4 seconds, you will see "Please WAIT"...
- iii) If you do not see this message, then you were not successful. Switch off Mains AC supply. Repeat from step 5.
- iv) If you see the "Please WAIT" message above, then you have successfully defaulted the panel.