

164 Aime Vincent, Vaudreuil, Qc, Canada, J7V 5V5
Phone: (450) 424-8150, Fax: (450) 424-9262
website: rftel.com e-mail: info@rftel.com

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Part affected: Microprocessor and EEPROM on RT9000 controller board
Products affected RT9000 150 - 500MHz
At issue: Software upgrade version 40 and higher

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2) Phone off the hook prevention in power save mode

With diagnostics enabled, the subscriber unit expects DTMF tones or dial pulses to be dialed within 30 seconds after going off hook. If no dialing takes place after this time, the Sub unit goes into sleep mode. This prevents the battery from being drained by accidentally leaving the phone off the hook.

3) New protocol

A new protocol was implemented starting with release 40k. It operates as follows: A different address is used for the Sub and CO. While the system is off hook, the CO expects to receive an ID transmission from the Sub every three minutes to sustain the link. If no ID is received by the CO after 3.5 minutes, it will go on hook thereby preventing CO lockup which may be caused by interference. For compatibility, the old protocol is still supported on version 40 and can be selected from the setup program. Sub and CO must have the same protocol selected (old or new) via the setup software.

4) Selectable ring frequency

Commencing with version 40k the ring frequency is selectable between 20Hz and 25Hz ringing from the setup program or from the handset.

5) Partyline repeater

With the optional line extender card, the system can be used as a 4 line concentrator. Version 40k supports repeater operation for this partyline system.

Notes:

The latest processor release as of March 7, 2000 is 40kx

It is recommended that the latest setup software releases 22.14 or 22.16 are used to program rev. 40 processor versions.

The setup software is available from RF-Tel on a floppy disk or can be downloaded from our website <rftel.com> or e-mailed at your request.

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