New Features ... Not in the V3 Manual!

User's Features
IC-900 Support
The new software supports IC-900 band units as remote base transceivers, interfaced via the FC-900. Refer to the FC-900 application note for details.

Reverse Patch Answer Acknowledgement
When the reverse patch is answered over the air, a "beep-beep" acknowledgement is sent over the air to confirm connection.

Touch-Tone Access Up Message
When a user brings Touch-Tone Access up, the controller acknowledges with "up".

Control Operator
The following new Control Operator level commands are available. They are included in the command summary at the end of this section.

Macro Set Selection Commands.
A fifth macro set is available. It is selected with the following Control Op command.

5	M5	**Macro Set 5 Select**	Selects Control Op Macro Set #5

Disable Autopatch Phone Number and Autodial Location Readback
68	NR	**Disable Autopatch Phone Number and Autodial Location Readback** (and dial without click)

This new command is mutually exclusive with the existing commands:

60	NC	Dial Needing Click
59	XC	Dial Without Click

Reverse Patch Mode 3
67	R3	Reverse Patch Mode 3 select

Mode 3 is similar to Mode 0 except that it is optimized for talkback paging applications. Upon answering the phone, the controller expects a four digit paging code. The paging sequence is activated over the repeater transmitter, and the caller is placed on the air. The call may be answered from the repeater and will then proceed as a reverse patch. If not answered within the programmable Talkout Timer period, the controller will hang up on the caller. Entering a # from the phone returns the controller to Mode 0 temporarily for the duration of the call.

Programming the Controller
Timers

*4012(period) ID	ID Timer	Pending ID period. Recommend 360 seconds for amateur repeater.
*4013(period) RO	Ringout Timer	Determines how long reverse patch rings over the air. Phone stays off hook for 60 seconds, even if ringout is shorter or longer.
*4014(period) TK	Talkout Timer	Reverse Patch Mode 3 Talkout period limit. If not "answered" from over the air during this period, the controller will hang up.
*4015(period) AL	Alarm Timer	Limits the period that the alarm message will be generated over the air.

Command Code Prefixes
*5019(prefix)   Touch-Tone Pad Test Prefix

Avoiding Command Code Conflicts
Previously, each command code needed to have a prefix programmed. To avoid a potential conflict, it was recommended to program an "out of the way" prefix. Now it is possible to disable the command code by programming it empty. For example, if you will not use the Touch-Tone Pad Test, simply program (with the controller unlocked) *5019.