SER-6500 Upgrade EPROM Procedure

Prepare:

- 1. SER-6500 has two-version main board.
 - One is 3MB EPROM that has three 32pin EPROM sockets --- U14, U15 & U16, and one 28-pin EPROM socket --- U40.
 - 4MB EPROM that has one 32pin EPROM socket --- U14 and one 28-pin EPROM socket --- U40.
- 2. There is an easy way to find out which EPROM is in the ECR without opening the ECR cover. Turn the control key to "S" position, type <1> <0> <SUB> <8> <X/TIME> <CASH>. The ECR will print out all the basic system setting and the EPROM version.
 - Version 1.xx is 3MB EPROM main board.
 - Version 2.xx is 4MB EPROM main board.
 - Version 4.xx is 3MB EPROM main board.
 - Version 5.xx is 4MB EPROM main board.
- 3. Usually, when upgrading the EPROM we only change U14, U15 & U16 EPROM in 3MB EPROM main board, or the U14 EPROM in 4MB EPROM main board. But if you are upgrading from version 1.68 or below, you need to change U40 EPROM if U40 version is lower then version 2.1. There is no easy way to check U40 EPROM version, you have to open the ECR cover to find out. We suggest you carry some spare new version U40 EPROM with you if you upgrade from a version 1.68 or under.
- 4. If you burned the EPROM yourself, please write version and Uxx on the EPROM label.
- 5. On the 3MB main board, U14, U15 & U16 are 1MB EPROM's. U40 is 512K EPROM. On the 4MB main board, U14 is a 4MB EPROM. U40 is 512K EPROM.

Upgrade Procedure:

- 1. As an upgrade of EPROM will clean all the data (program data and report data) that is in the ECR system, so please back-up all the data to PC or print out all the data. If you needed, Goodson Imports can supply a backup batch file to backup the program settings of the machines.
- 2. Unplug all the ECR and related devices from the AC power outlet.
- 3. Turn off PC.
- 4. Disconnect REG to PC cable.
- 5. Open the ECR cover, change EPROM, please match the EPROM size and position. If it is a 3MB EPROM main board, please make sure the new EPROM label matches the socket number.
- 6. Until you finish all the EPROM changes in all the ECR's, don't plug in any power to any of the ECR 's.
- 7. After all the EPROM's have been changed, you need to do the RAM clear procedure on each of the ECR's and set exactly same condition for each ECR (such as clerk number, check type, check number, check line etc.), of cause a different REG# for each register.

- 8. Delete the default PLU file in every ECR.
 - Turn control key to "S" position, type <1> <0> <SUB> <1> <0> <X/TIME> <1> <<<>X/TIME> <<<>> <X/TIME> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <<<>> <</> <<>> <</> <<>> <</> <</> <</td>
 - Check that no PLU's exist in the register.
- 9. Plug in the REG to PC cable to REG#1 Serial 1.
- 10. On REG#1, setup P-Mode Communication Options.
- 11. On REG#1, first setup only one ECR in the IRC system by setting Option#2 = 1, Option#3 = 1.
- 12. Then on REG#1 setup Serial 1 is PC communication port by setting Option#50 = 2, Option#51 = 0, Option#52 = 0, Option#53 = 1. (9600 bps, no parity, 8 bits, 1 stop)
- 13. On REG#1, do an "Initial Clear Procedure"
- 14. On PC, set your software, as only one Register (REG #1) in the IRC system. Make sure the whole program file is correct, then download all the programs from PC to REG#1.
- 15. After finishing download, on REG#1, set IRC system back normal by setting P-Mode Communication Option#2 =1, Option#3 = Last REG#.
- 16. Then on REG#1, in P-Mode, type <9> <9> <9> <SUB> <9> <SUB> <CASH>. The procedure will send the all programs from REG#1 to the others except Serial port setting.
- 17. Set up Serial port options for each device linked to each individual REG.
- 18. Set your software back to normal IRC setting applicable for the site.