

ISCO MODEL 6712 SOFTWARE UPDATES

REVISION 2.50

Software Release Date: 10/21/11

Corrections:

- 1- Fixed issue with the DATA command causing garbage to be appended to the response in some instances. This has affected the use of the sampler with the 2105.

Enhancements:

- 1- Firmware support of the Isco "CI" TII CDMA 01 modem.
- 2- 2.50 firmware does support any older modems except the Isco TII CDMA 01 modem and the internal landline. Older CDMA CSD Modem Users with other (Any Data, Enfora) modems must continue to use firmware revision 2.34.
- 3- The TII CDMA 01 modem will have precedence over the landline modem if the Isco TII CDMA 01 is selected.
- 4- The firmware supports incoming SMS messages on the TII CDMA modem (this was in place for the Enfora GSM modem.) These commands can be sent to the 6712 from an email source, the address being phone_number.vtext.com. See the Valid SMS commands in the appended table for further information.
- 5- A polling feature is available that will allow the system to be set up so that the system will power up the modem at 5 or 7 minute intervals to check for incoming SMS messages. If a "valid" message is received, the system will leave the modem powered up ready to accept in incoming connection for 20 minutes.
- 6- Alarm messages can be sent to an Email address.
- 7- The SMS "status" command will return the modem's phone number and IP address in addition to the information previous firmware versions returned.
- 8- Using the SMS status request will allow a user to use modems with a dynamic IP address as the status will return the IP number.
- 9- Incoming SMS messages will be validated -The sampler will look for 6712 and a valid command from Table 1 before processing the command and leaving the modem powered up.
- 10- If the system receives an SMS alarm message for PGM enabled, A enabled or B enabled from another system, it will start a program that was started with a "Wait for phone call" delay.
- 11- The modem can be operated in two modes, CSD, and IP. Both Terminal Emulation connections and Flowlink connections can be made with either mode.
- 12- The traditional CSD mode appears to Flowlink and Terminal programs as a remote modem on the telephone system. The computer making such a connection must have a modem installed and connected to a phone line.
- 13- The new IP mode appears to Flowlink and Terminal programs as a server on the internet.
- 14- If the Isco TII CDMA 01 modem is selected, the baud rate will be locked at 9600. This is compatible with Flowlink, but the user must set the baud rate to 9600 to make a direct connection with a Terminal program.
- 15- A no cost spa (spa 1700) is available if the user needs to use an incoming port other than the default 1700. It is only necessary to enable SPA 1700 if the default port 1700 cannot be used for some reason such as a local firewall restriction. The modem selection menu will be less complicated if spa1700 is not selected.

Operation Notes:

- 1- To make an IP connection using a Terminal emulation program, the Terminal program must be configured for TTY. The Connect tab should be set to "TCP/IP (Winsock)". The program will then allow you to enter the IP number for the device and the port number. The port number will be 1700. To connect to the modem, click the call button. When the system answers, it will announce connected and transmit a series of periods to indicate that it is ready. To log into the menus, press the question mark key "?" Four or more times as the periods are being received. The sampler should respond with the familiar "banner" string. The menus are unchanged from previous firmware releases.
- 2- To make an IP connection using Flowlink, you must have version 5.10.475 (and up). In the quick connect screen, select IP and enter the IP number and the port number (1700) and press connect.
- 3- The only change when making a CSD connection from version 2.34 is that the sampler will respond with "connect" when the connection is made and issue the period characters, ".", until it receives four consecutive question mark characters.