

ProTek jr V1.72X Firmware Upgrade

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Jr classic D board and suitably upgraded jr classic PCB versions A, B, and C
ProTek jr V1.72X firmware version

Upgrade Instructions

This firmware upgrade will not work with those units using the obsolete 73K212L-IP modem chip. Generally, all version A, B, and some C boards will have been originally shipped with the 73K212L-IP. These versions must be factory upgraded to accept the currently available 73K212LA-IP modem before upgrading the firmware beyond V1.5.

The jr firmware may be updated by replacing a single EPROM (U33). Follow these instructions to install the embedded software upgrade:

- 1) Remove the four screws securing the cabinet top and set the top to the side.
- 2) Locate U33. The IC is roughly in the center of the jr PCB.
- 3) Remove the existing EPROM U33 and replace with the enclosed part.
- 4) Reprogram the jr. A JU4 reset may be skipped if upgrading from version 1.6, but re-initialization is still recommended.
- 5) Reinstall the cabinet top.

The following operational changes will be evident when upgrading from versions 1.5 or 1.6:

- 1) Alert calls can now be made after a "return to normal" event. To monitor an input in this manner, set the input's alarm type to Ma2.
- 2) Status reports have been expanded in voice or alphanumeric page modes.
- 3) The last value read by a subsequently disabled or unprogrammed input is cleared from memory and no longer reported with the Monitor Input (11#) command.
- 4) A new command, Monitor Relay Status (13#), has been added to the telephone access DTMF command set.
- 5) Code has been revised to improve connection reliability with some client modems used for remote access or alert calls.
- 6) The window for timed dump of alerts in voice or numeric paging modes has been enlarged, allowing quicker response after the client device has gone off-hook.
- 7) The capability to transfer programming to and from an external computer using the ProTek Management System (available soon) is supported.

Additional capabilities and features may be present if upgrading from versions 1.4 or earlier. The EPROM upgrade should be compatible with any previous versions of hardware and software.