How to use a DNP/1110 Interrupt Input

In some applications it will be necessary to handle hardware interrupts from external devices. The DNP/1110 offers five interrupt inputs (INT1, INT2, INT3, INT4 and INT5) for external interrupt sources.

- **1. Step**: Write your own interrupt handler. Use the C sample code from `ssvirq-demo.tgz` as a base for this task (see Starterkit CD-ROM: `/Linux/DNP1110-Interrupts`). See also the "read.me" file within the archive.

- **2. Step**: There is a default mapping of the SA-1110 general purpose I/Os at the DIL/NetPC DNP/1110.

DNP/1110 Pin	Name/Function	SA-1110 GPIO
44	INT1 Interrupt Input 1	GPIO0
43	INT2 Interrupt Input 2	GPIO1
42	INT3 Interrupt Input 3	GPIO2
41	INT4 Interrupt Input 4	GPIO3
40	INT5 Interrupt Input 5	GPIO4

Please note: Do not use other SA-1110 general purpose I/O pins for external interrupts.