

Standards for W800 X10 PC Adapter

Elmo Recio 2002-09-19 01:59

Serial Port Configuration (*ttyS[0-3]*)

Baud	4800
Bits	8
Parity	None
Stop-Bits	1

Data Input

In order to read data:

1. Block until two 8-bit bytes are received from the serial port.
This may be stored by allocating memory for two pointers, the size of *chars* (POSIX-C).

Data Decoding

1. The first four bits of each byte refers to the *house* code.
2. The last four bits of the first byte refer to the *event* code.
3. The last four bits of the second byte refer to the *device* code.

Sample Data

Event No.	Byte	Byte
99	0x22	0x21

A complete sample read would be: 0x2221

Byte 1

0x	2	2
Hex Id	House	Event

Byte 2

0x	2	1
Hex Id	House	Device

[all values are in hexadecimal for easy visual interpretation]

This was actually easier than I thought, so I was quite stumped!