

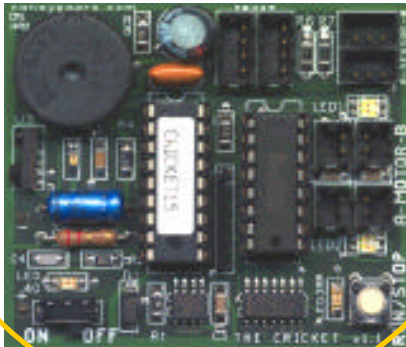
Handy Cricket Interface Board Overview

Handy Cricket Board
v 1.5

The Handy Cricket Interface has the following features:

- Microchip PIC® microprocessor with built-in Logo interpreter.
- 4096 bytes of user program and data memory. Data preserved even when the Cricket is turned off and batteries are removed.
- Outputs for two DC motors. Two plugs and one bi-color LED on each output.
- Inputs for two sensors. Sensor value may be read as true / false or converted to a number from 0 to 255.
- Two bus ports, which allow the Cricket to interact a large collection of other devices.
- Built-in infrared transceiver with raw data rate of 50k baud.
- Power supply provided by four AA cells.
- Piezo beeper, program run / stop button, power LED, and program run LED.

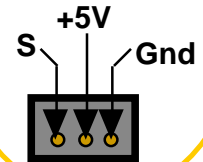
**Cricket Board Size
(2-1/4" x 1-7/8")**



Bus Ports



Sensor Ports



Bus Ports

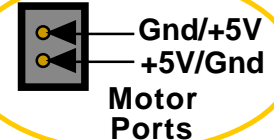
Sensor Ports

Sensor Port B
Sensor Port A

Motor LED's (Port B)
RED / GREEN

Motor Port B
Motor Port A

Motor LED's (Port A)
RED / GREEN



Piezo
Beeper

IR
Tras / Rec LED

IR
Transmitter
Receiver

GREEN
Power LED

On / Off
Slide Switch

Cricket Board on
Battery Case
(2-1/2" x 2-1/4")

RED
Run LED

Run / Stop
Button

Handy Cricket Interface

Power Set-up

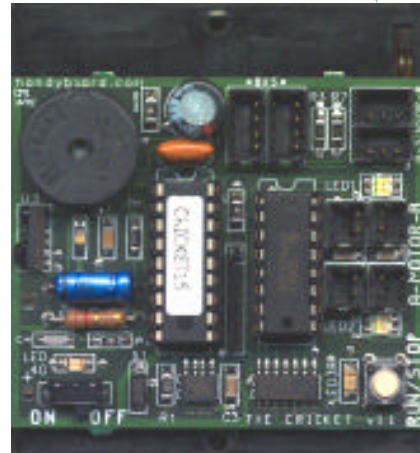
4 - AA
Batteries



Back Side

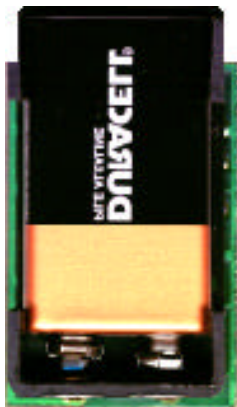
Handy Cricket
Interface

Cricket Board on
Battery Case
(2-1/2" x 2-1/4")



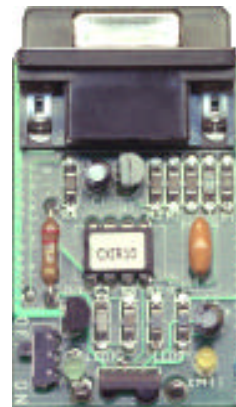
Front Side

1 - 9 Vdc
Battery



Back Side

Cricket
Serial - IR
Interface

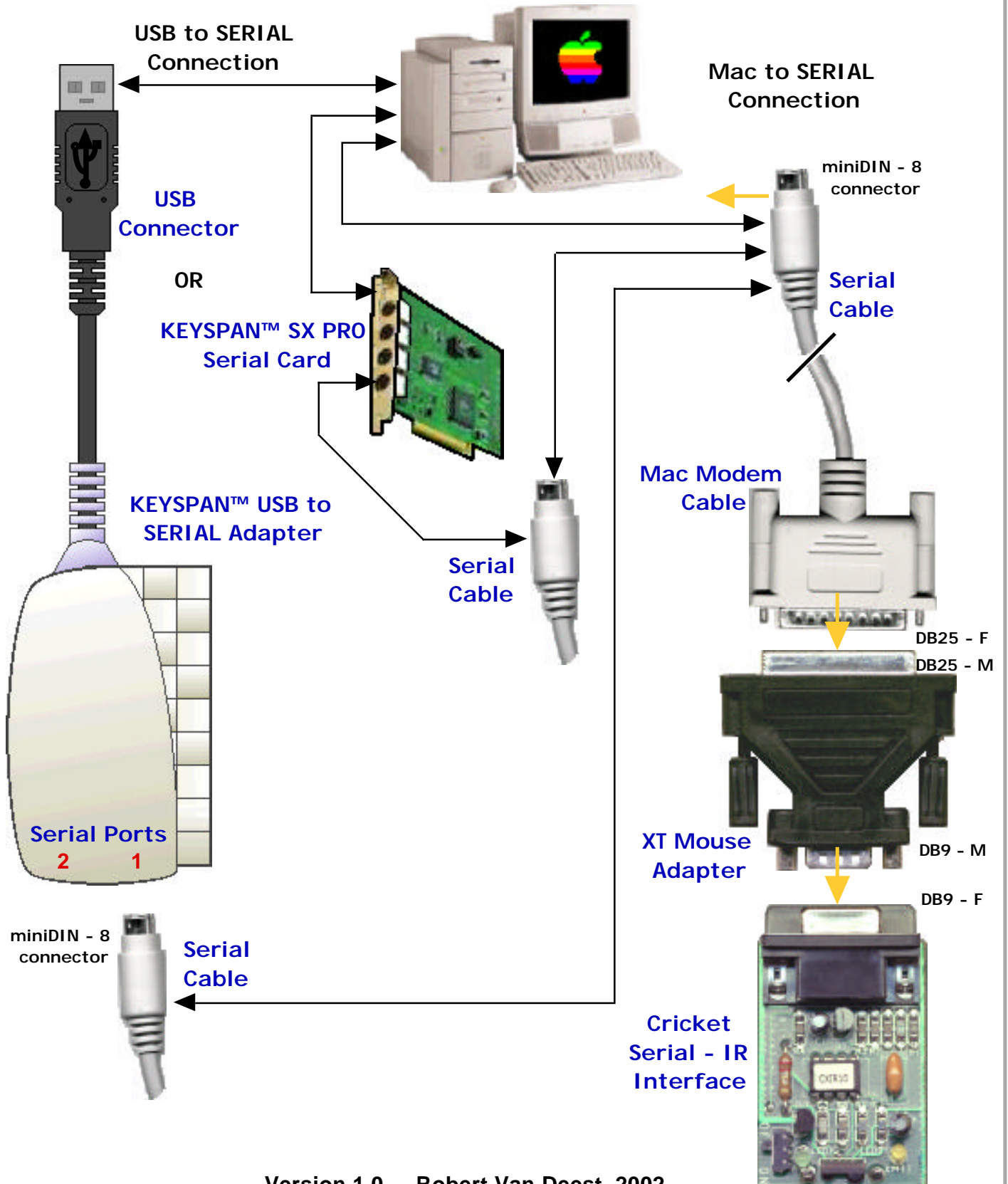


Front Side

Handy Cricket Interface to Macintosh Set-up

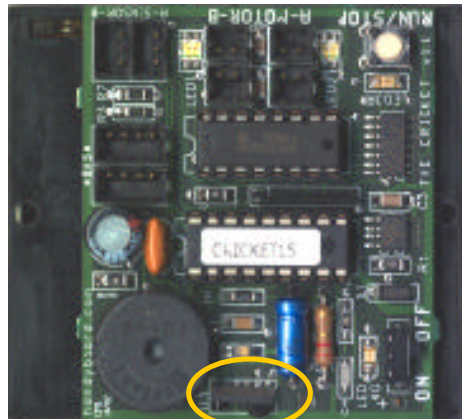
Communication Set-up (USB / Serial)

Macintosh Computer

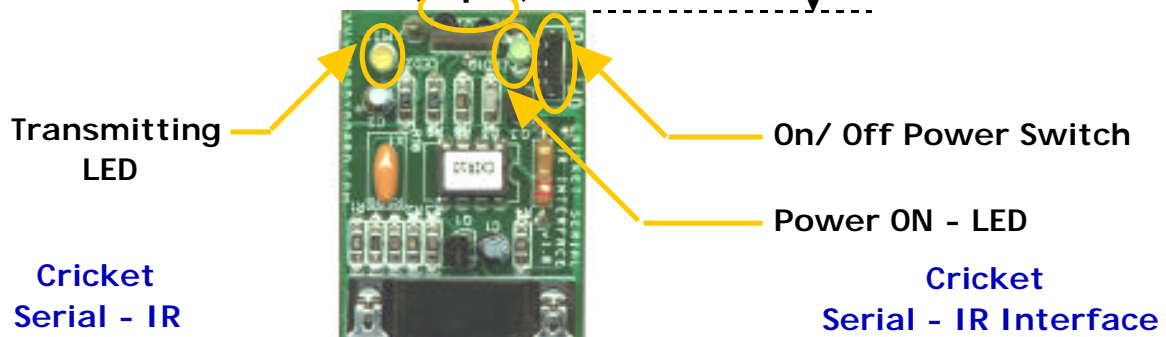
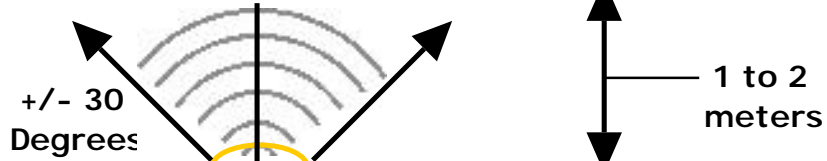


Handy Cricket Interface Set-up

IR Communication



Handy Cricket Interface



XT Mouse Adapter

Mac Modem Cable

Macintosh Computer

