

## Introduction

Zilog's Crimzon RC Blaster™ is an integrated circuit that extends universal remote control function into different embedded systems. RC Blaster is based on Zilog's ZLF645 64K Flash based IR microcontroller. RC Blaster functions as a Slave to any Master CPU with UART/I<sup>2</sup>C capabilities. It has a hardware UART and a software I<sup>2</sup>C for communicating with the Master CPU. RC Blaster also supports infrared (IR) transmission and the IR learning feature. A comprehensive IR database is included in RC Blaster that covers TV, DVD, VCR, satellite, cable, and audio in North America as well as satellite and cable in Europe. The UART supports 19,200/9,600 baud two-way full-duplex communication. The I<sup>2</sup>C software supports up to 10 kbps with handshaking pins. RC Blaster supports different configurations of UART/I<sup>2</sup>C using hardware jumpers and user I/O control through software commands.

## Installing the Crimzon RC Blaster Software and Documentation

Follow the steps below to install the software tools:

1. Load the Crimzon RC Blaster CD into your CD-ROM drive.  
The CD automatically launches the Setup Wizard.
2. Click **Next** to continue with the installation.
3. Click **Next** to accept the default install location,  
C:\Program Files\ZiLOG\Crimzon\_RC\_Blaster\_<version number>.
4. Click **Install** to accept the default folder name.

The installer automatically launches the Crimzon RC Blaster PC Application software and opens the user manual and the `readme.txt` file. The user manual lists the contents of the kit and explains how to connect the Crimzon RC Blaster kit.

Deselect the appropriate check box if you decide not to run the applications or view the readme document or user manual.

5. Click **Finish**.



**Warning:** DO NOT USE IN LIFE SUPPORT

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