
EKBoostLoader Users Guide

EKBoostLoader is a bootloader for the PIC16F87X line of PIC microcontrollers written for the BoostC compiler. Currently EKBoostLoader can be configured for PIC16F877, F876, F874, F873, F871, and F870. Target oscillator frequency can be adjusted, and baud rate divisors are already defined for 20Mhz, 10Mhz, and 8Mhz. The loader resides in the upper 256 bytes of program space, and must be linked with the following parameters.

-rb 7941

HyperTerminal can be used to download your hex file. Take the following steps.

1. Configure HyperTerminal for 19200 baud, No Parity, 8 Data Bits, 1 Stop Bit and XON/XOFF software flow control.
 2. In the Transfer pull down menu, choose 'Send Text File' and browse to and select your hex file. Do Not Press OK yet!
 3. Reset or power up the attached PIC microcontroller and within 2 seconds press the OK button to start sending the file.
 4. Done! Watch the program being sent to the target. When its complete your application begins running.
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- The bootloader waits 2 seconds for you to start sending a program. If no program is sent, the bootloader begins running the currently loaded program. This is, of course, if a program is loaded.
 - TestProgram is included as a program to load into a PIC via the bootloader. When successfully loaded, it writes the alphabet to the serial port every 5 seconds.