



AN-304 Interfacing a MEMKey with the BASIC Stamp IISX

This application note cycles through some of the default values for the MEMKey. It uses the BASIC Stamp IISX as an interface. The MEMKey commands that are tested are:

- ProgramTypeMatic
- ReadTypeMatic
- ProgramDebounce
- ReadDebounce
- ReadSerialKey
- DefaultReset
- TestMode

The program initializes the MEMKey by sending the DefaultReset command to the MEMKey using the SEROUT command. The Firmware Version is read from the unit by issuing the TestMode command. Once these formalities are dispensed with, the program proceeds to enter several loops that test the MEMKey's Typematic and Debounce Rates. Once these values are displayed to the Stamp Editor's Debug screen, the Serial Default values are read. An additional subroutine called CONVERT_RATES allows the display of rates in floating point notation. Following is a flow chart of the program, and the program listing. In order to use this program with a BASIC Stamp II, the user must change the header information.