MC3359xMODxx Kit

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1   Overview

This document provides introductory information for using MC3359x tools with HyperTerminal software. Windows software is also available to ease use. Please refer to related documentation for more information.

MC3359xMODxxx operation requires:

- An MC3359xMODxxx RF module with attached printed antenna
- A DEMO908AP64 MCU board
- An RS232 cable
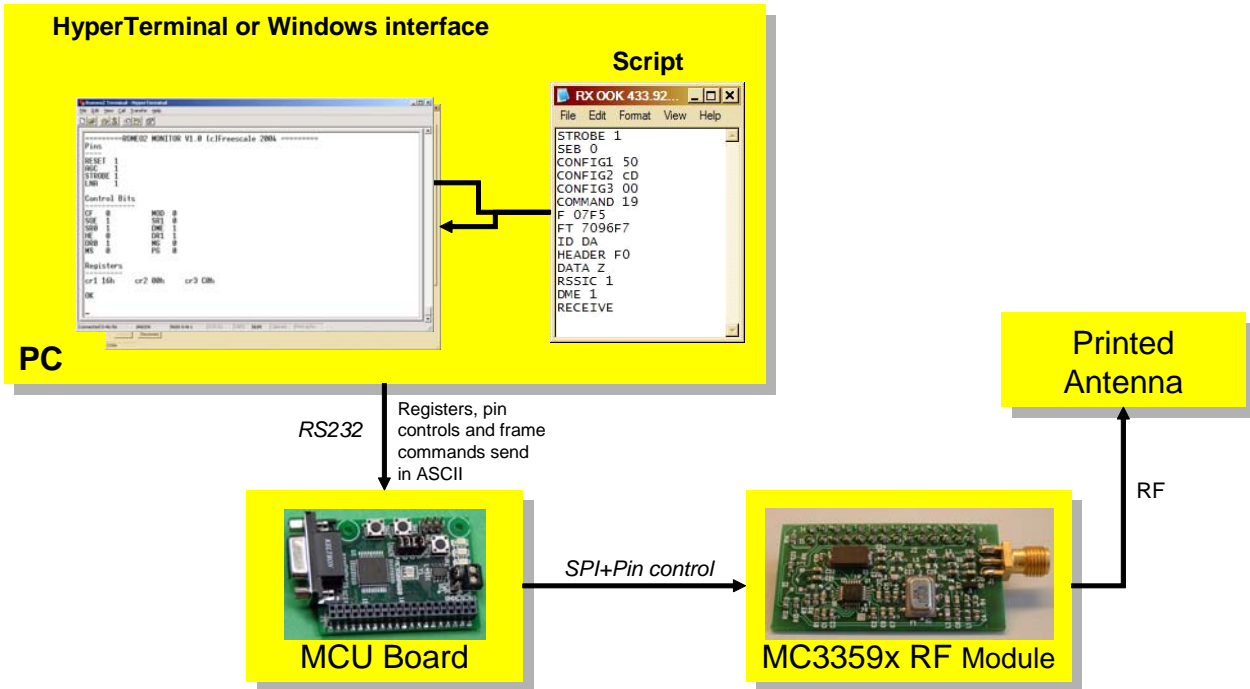- A PC with RS232 port, CD player, and HyperTerminal.
- A 9 V battery

Figure 1. MC3359xMODxx Kit

MC3359x operates by sending a script via HyperTerminal to the MCU board that configurea MC3359x in a defined configuration.

Available script files:

- Standby configuration
- One frame reception using ID and HD

2   Launch the Kit

Perform these steps to launch the MC3359x:

1. Plug the RF module on the MCU board.
2. Connect the MCU board to the PC using the RS232 cable.
3. Launch HyperTerminal using the proper xxx.ht file according to the available COM port.
4. Connect the 9 V battery.

When these steps are complete, the HyperTerminal screen displays the status of MC3359x registers and pin levels (Figure 2).
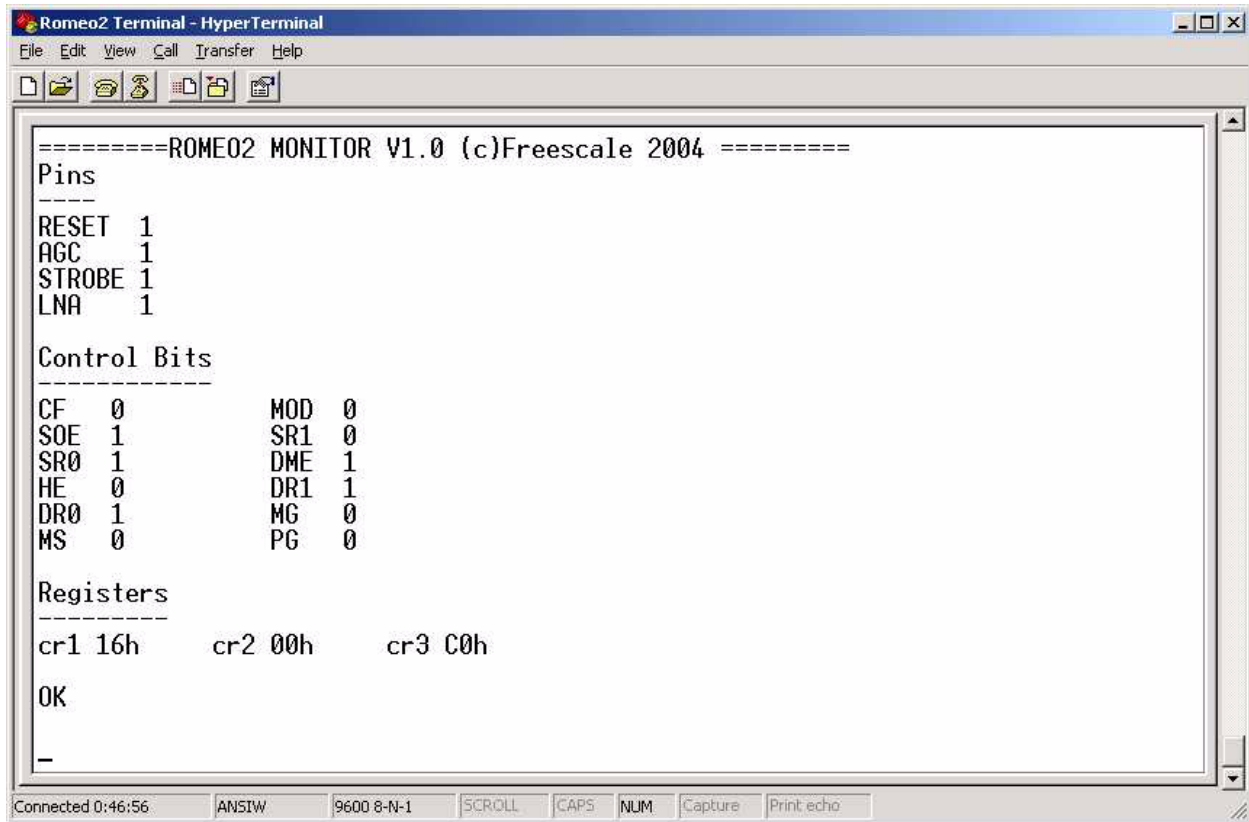
Figure 2. MC3359x Registers and Pin-Level Status

3   Sending a Script File

To configure the kit in receive mode, perform these steps:

1. With the mouse, click Transfer/Send text file.

2. Select the xxx.txt script file corresponding to the desired configuration. For example: RX OOK 433.92 MHz IDHD00.txt configures the kit in receive mode at 433.92 MHz to receive any square-modulated signal at 4800 bps:

    — 433.92 MHz, OOK

    — Receive with data manager

    — ID=00h

3. Receive Mode Active indicates the kit is waiting for data.

If an RF signal is transmitted using another kit or a properly configured RF generator (433.92 MHz, pulse modulation at 4800 bps), the HyperTeminal screen fills with the received data (Figure 3).

Figure 3. Received Data

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