Cermetek microelectronics

Application Note #110:

Manual Originate and/or Answer Operation of Cermetek Modem Modules

INTRODUCTION

This application note briefly describes the commonly used methods for manual originate and/or answer operation of Cermetek modem modules. Refer to Application Note #116 for Leased Line (i.e., Dry Line) Modems.

MANUAL DIALING USING A TELEPHONE HANDSET

This procedure will originate a call manually (i.e., using a telephone handset). Follow the sequence described below.

1. Configure the modem module for blind dialing by issuing the command: **ATX1 <CR>**

2. The call can now be manually originated using the following steps:

   a. Manually dial the number of the remote modem using the telephone handset.
   b. Listen for an answer tone (optional) from the remote modem. This will tell you that the remote modem has answered.
   c. Within 45 seconds of hearing the answer tone, issue command: **ATD <CR>**
   d. When you hear the originate tone from the local modem, hang up the telephone by placing the hand set on the cradle.
   e. The local modem to remote modem connection is now complete and active. Begin transmitting data, etc., to the remote modem.

MANUAL ANSWERING USING A TELEPHONE HANDSET

This procedure will answer a data call after manual (i.e., using a telephone handset) pickup. Follow the sequence described below:

1. Establish that the remote modem wants to originate a call and has called or is on the line.
2. Instruct the local modem to send an answer tone by issuing command: **ATA <CR>**
3. When you hear the answer tone, hang up the telephone by placing the hand set on the cradle.
4. The local modem to remote modem connection is now complete and active. Begin transmitting data, etc., to the remote modem.

Note: **<CR>** = Carriage Return

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