Discovering an IP address when the Ethernet Address is known

The E5900A and E5900B do not have a way to reset the IP address to a default
value without connecting through a Telnet or RS-232 session. It is not unusual
to lose the RS-232 cable if you don't use it regularly. If the IP address is
unknown, it is impossible to start a Telnet session. Under these conditions,
it is not possible to change the IP address, unless you obtain an RS-232 cable
or discover the current IP address. Here is one way to discover the IP address:

1. Select a static IP address for use in the emulation probe.

2. Associate this IP address with the Ethernet Address of the emulation probe by
using ARP

       a. The Ethernet address is printed on a label near the Ethernet connector

       b. At DOS prompt enter:

            arp -s <IP address> <Ethernet Address>

       c. At DOS prompt enter:

            telnet <IP address>

       d. After Telnet client times out (because it could not find the
       appropriate IP address) at DOS prompt enter:

            arp -a

       e. Search the new ARP table to find the Ethernet Address of the emulation
       probe. There should now be two entries for this Ethernet Address. One entry
       is the one you created, the other contains the current IP address

3. If you want to use the current IP address, do so. Otherwise, use it to telnet to
the probe and change the IP address to the value you wish to use.

4. Once the desired IP address is set, delete the arp table entry you created earlier
by entering the following at the DOS prompt:

       arp -d <IP address>