GUIDE FOR THE VMIBE/AAIBE SOFTWARE UPGRADE
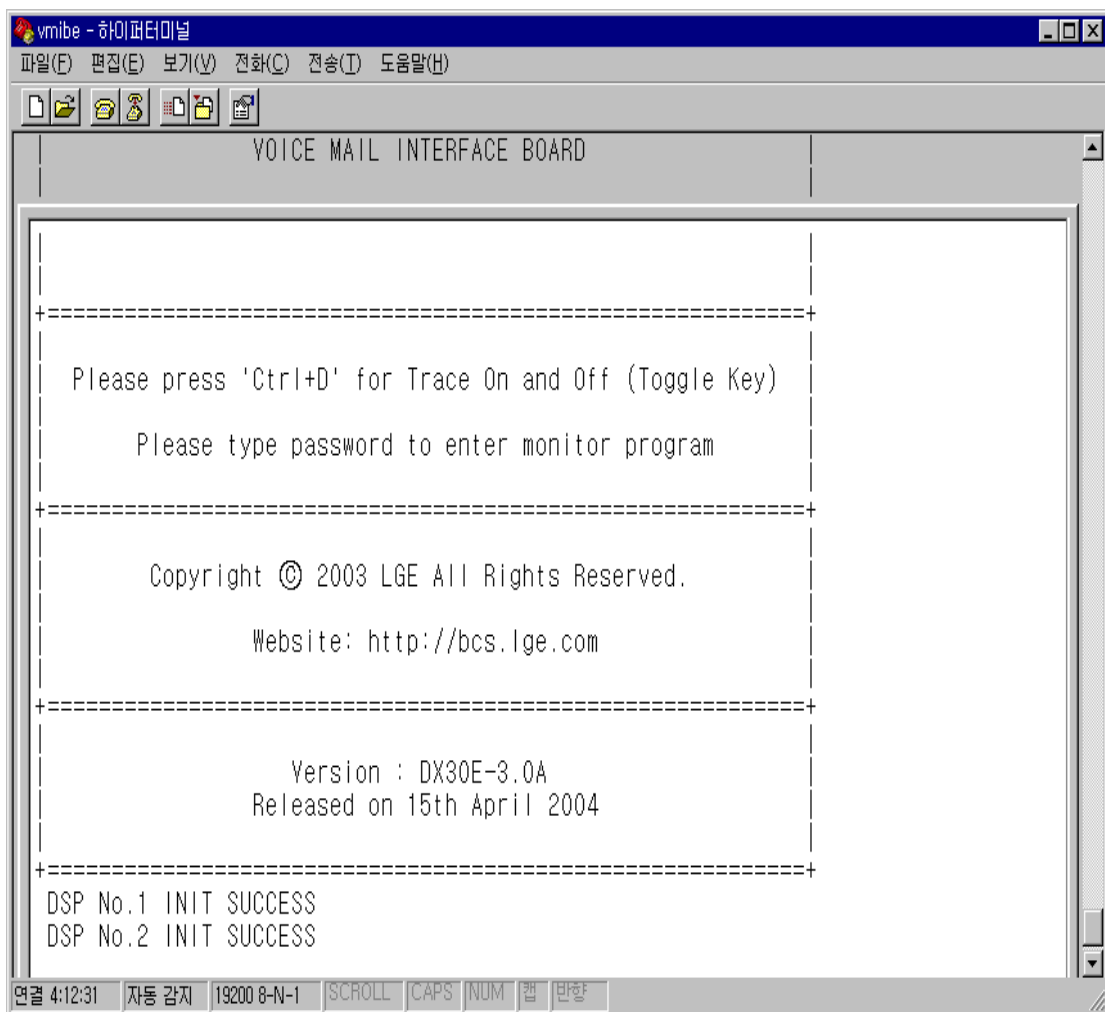
1. The establishment for VMIBE/AAIBE Monitor Program

   - RS-232C cable

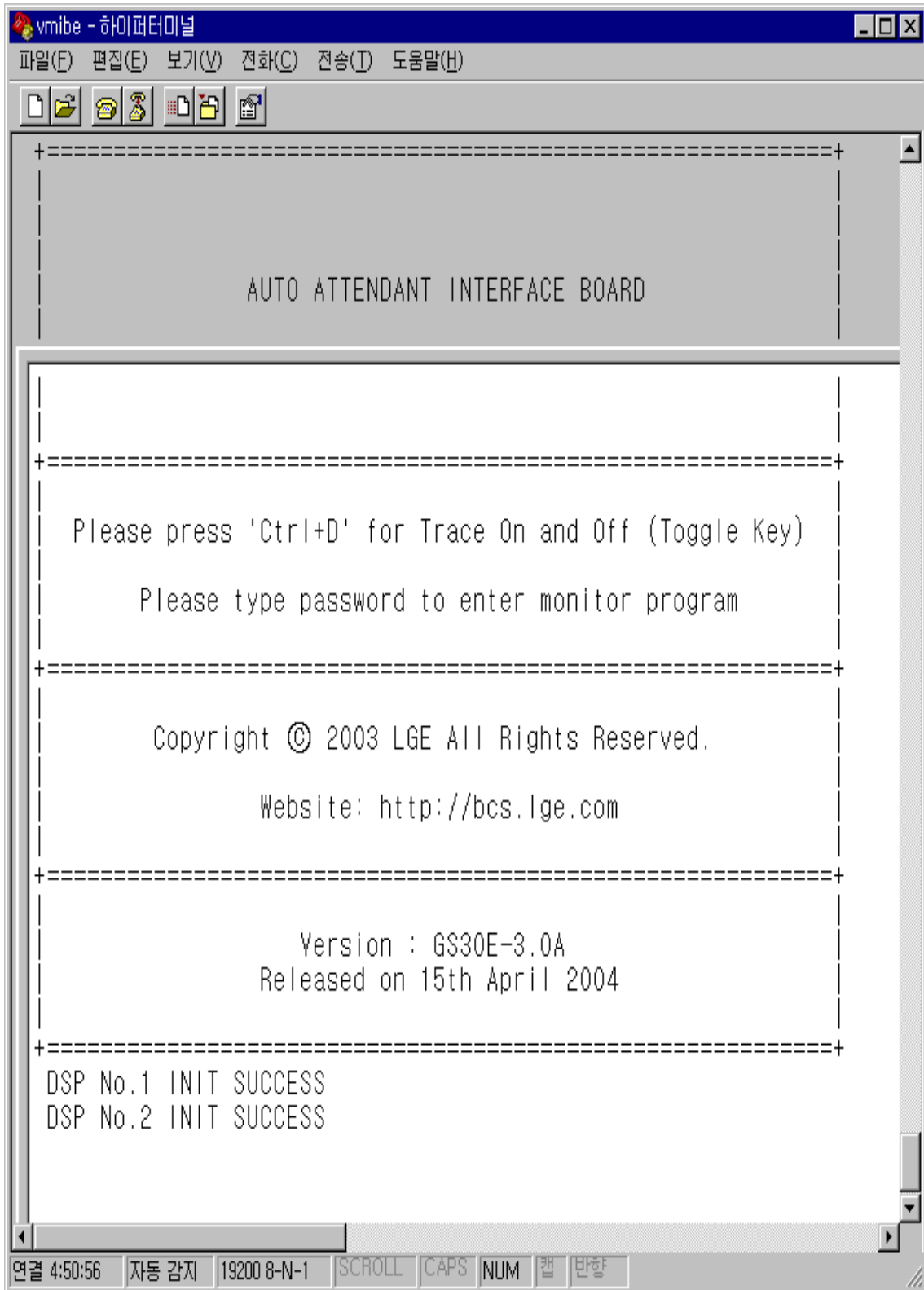   - PC/Notebook

   - VMIBE/AAIBE Board

   The one side of Rs-232 cable should be connected to a VMIBE/AAIBE, and

   the other side of it should be connected to a PC.

2. After setting up, turn on the system, the initial screen of VMIBE/AAIBE Monitor Program will be displayed on the hyper terminal.
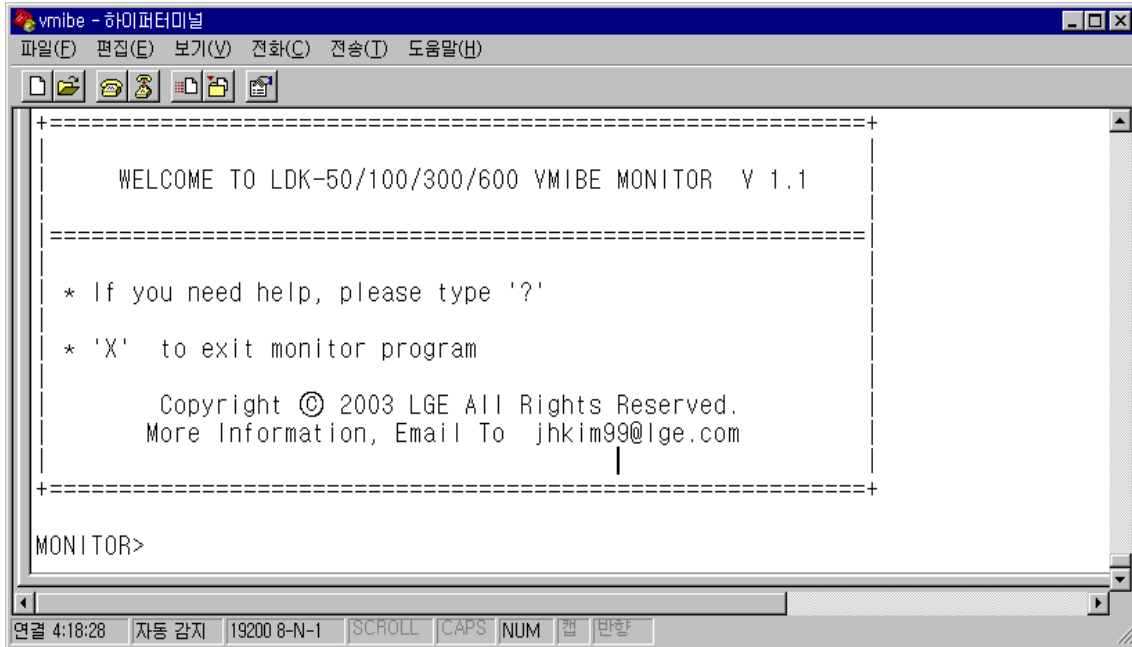
1) VMIBE

2) AAIBE

```
vmibe - 하이퍼터미널                                              _ □ ×
파일(F)  편집(E)  보기(V)  전화(C)  전송(T)  도움말(H)

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 |                                                             |
 |          AUTO ATTENDANT INTERFACE BOARD                     |
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 |                                                             |
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 |                                                             |
 |   Please press 'Ctrl+D' for Trace On and Off (Toggle Key)   |
 |                                                             |
 |     Please type password to enter monitor program           |
 |                                                             |
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 |       Copyright © 2003 LGE All Rights Reserved.             |
 |                                                             |
 |            Website: http://bcs.lge.com                      |
 |                                                             |
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 |                                                             |
 |           Version : GS30E-3.0A                              |
 |           Released on 15th April 2004                       |
 |                                                             |
 +=============================================================+
 DSP No.1 INIT SUCCESS
 DSP No.2 INIT SUCCESS

연결 4:50:56   자동 감지   19200 8-N-1   SCROLL  CAPS  NUM  캡  반향
```

3. Please type the password ('**millionire**'). With correct password, you can see the screen as shown below.

```
+==========================================================+
|                                                          |
|     WELCOME TO LDK-50/100/300/600 VMIBE MONITOR  V 1.1   |
|                                                          |
|==========================================================|
|                                                          |
| * If you need help, please type '?'                      |
|                                                          |
| * 'X'  to exit monitor program                           |
|                                                          |
|      Copyright © 2003 LGE All Rights Reserved.           |
|      More Information, Email To  jhkim99@lge.com          |
|                                      |                   |
+==========================================================+

MONITOR>
```

4. If you type the character "?", you can see the monitor Command List.

```
MONITOR> ?

Monitor Command List:
 ?                              - Help Menu
 d [addr1] [addr2]              - Dump Memory
 X                              - Exit Monitor
 Z                              - Start Z-modem

MONITOR> _
```

5. The command for software upgrade is 'z'.

    If you type the character 'z', you can see the following screen.

```
vmibe - 하이퍼터미널

파일(F)  편집(E)  보기(V)  전화(C)  전송(T)  도움말(H)


MONITOR> z


  COMMAND        DESCRIPTION

  ------------------------------------------

  e              erase flash rom
  c              change baud rate
  s              show baud rate
  u              erase & write flash rom
  v              verify checksum
  x              Exit
  z              down load with zmodem
  ? or h         Help, Guide



MONITOR>UPGRADE>  _



연결 4:22:25   자동 감지   19200 8-N-1   SCROLL  CAPS  NUM  캡  반향
```

6. Type the character 'z' once again, and the monitor program will ask the "yes" or "no" of z-modem execution. If you type the character 'y(yes)', it is displayed the comment 'NAND Flash erasure has been finished..'.

   And then, click the menu tab 'Transfer (T)' on the hyper terminal screen,

   Select the menu 'Transfer files (S)'
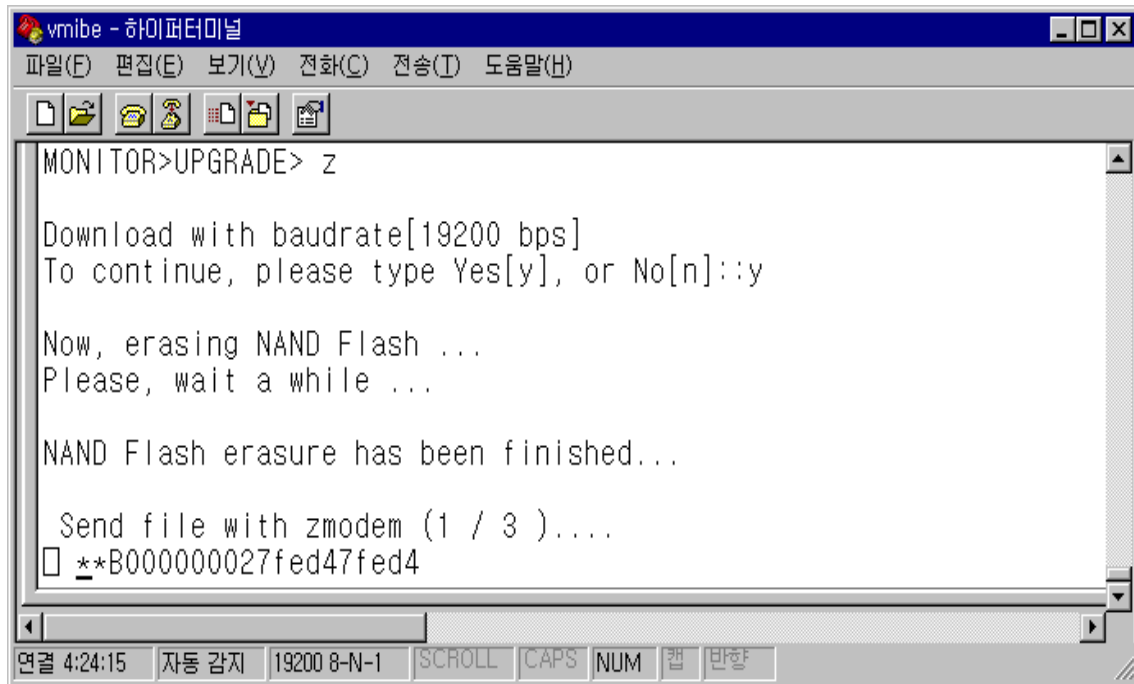
7. Search and enter the path of the upgrading software and click the Send (S).
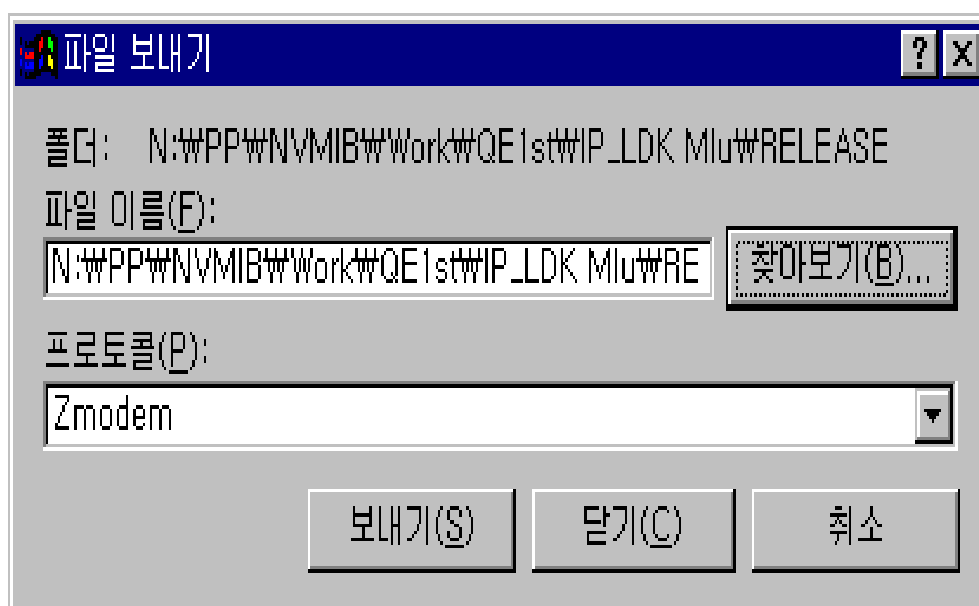
8. Transmission will be on via Z-modem as the following screen,. Total estimated time of
    transmission is about 15 or 16 minutes (Baud Rate 19200).

vmibe에서 Zmodem 파일 보내기

보내는 파일: `N:₩PP₩NVMIB₩Work₩QE1st₩IP_LDK Mlu₩RELEASE₩GS30E30A.bin`

마지막 이벤트: 보내는 중   파일 수: 1 / 1

상태: 보내는 중   다시 시도: 0

파일: 16k / 1802K

경과 시간: 00:00:07   남은 시간: 00:14:08   처리 속도: 2155 cps

취소   cps/bps(C)

9. Type the character 'y' after completing download. The 2nd, 3rd, and 4th LED of VMIBE/AAIBE will be on and off during Flash ROM erasure. Subsequently, whole LED will be on and off while inspecting Flash ROM. Finally, the 5th, 6th, 7th, and 8th LED of VMIBE/AAIBE will be on and off during software upgrade on Flash ROM.


```
vmibe - 하이퍼터미널

파일(F)  편집(E)  보기(V)  전화(C)  전송(T)  도움말(H)

To continue, please type Yes[y], or No[n]::y


Now, erasing NAND Flash ...
Please, wait a while ...


NAND Flash erasure has been finished...


 Send file with zmodem (1 / 3 )....
□ **B000000027fed4
  Download......OK


Downloaded Data checksum is: 5D0C


Starting Flash Upgrade !!!
This will upgrade your System by programming flash memory
To continue, please type Yes[y], or No[n]::_


연결 4:46:56  |  자동 감지  |  19200 8-N-1  |  SCROLL  CAPS  NUM  캡  반향
```

10. As soon as the software upgrading is done, VMIBE/AAIBE will be reset automatically.

Then, the initial screen will be displayed again.

```
 vmibe - 하이퍼터미널
 파일(F)  편집(E)  보기(V)  전화(C)  전송(T)  도움말(H)

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|                                                                     |
|                                                                     |
|                                                                     |
|                                                                     |
|                  VOICE MAIL INTERFACE BOARD                         |
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| |                                                                 | |
| |  Please press 'Ctrl+D' for Trace On and Off (Toggle Key)        | |
| |                                                                 | |
| |  Please type password to enter monitor program                 | |
| |                                                                 | |
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| |                                                                 | |
| |      Website: http://bcs.lge.com                                | |
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| |                                                                 | |
| |          Version : GS30E-3.0A                                   | |
| |          Released on 15th April 2004                            | |
| |                                                                 | |
| +=================================================================+ |
| DSP No.1 INIT SUCCESS                                                |
| DSP No.2 INIT SUCCESS                                                |

연결 4:49:57  │ 자동 감지 │ 19200 8-N-1 │ SCROLL │ CAPS │ NUM │ 캡 │ 반향
```