

# **MOTE 4.00 ON-LINE INSTALLATION GUIDE**

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## **1. Installation**

### ***1.1 Minimum system requirements***

To run the MOTE, you need an IBM-compatible laptop PC with:

- 1000+ MHz Pentium (or Pentium compatible) processor
- 128MB of RAM
- At least 50MB of hard disk space
- CD/DVD-ROM
- At least 1 RS232 COM port (or USB/Serial adapter)
- At least 1 free PCMCIA slot
- At least 1 free PCI slot (desktop PC users only)
- Microsoft Windows 2000/XP

In addition, the following peripherals are required:

- MOTE Connection Unit (MCU)
- Elan HD-717 PCMCIA Card
- P424 PCI to PCMCIA Adapter (desktop PC users only)
- PCMCIA interface cable
- RS-485 cable
- Keyspan USB Serial Adapter (required in absence of an RS232 port)
- A 9-way D type Plug-Socket lead (NULL Modem)

### ***1.2 Supported operating systems***

- Microsoft Windows 2000 (All versions)
- Microsoft Windows XP (Professional/Home)

## **1.3 System installation**

The MOTE system installation is designed to upgrade any previous version above and including 2.00. It is strongly recommended however that all drivers and software be manually uninstalled before proceeding with a new installation.

### **1.3.1 Uninstalling previous system version**

Please ignore this section if you are installing the MOTE on your system for the first time.

Ensure that you have backed up any site data and configuration files which may be deleted during the uninstall process. Not all of the following programs may be installed, please remove all that are present.

1. If installed, stop the HD717 HDLC COMMS Card driver using the Windows hardware removal utility accessible from the system tray.
2. Remove the Elan HD-717 PC Card from the laptop PCMCIA slot.
3. Unplug the Keyspan USB Serial Adapter from the USB port (if present)
4. Open the Windows Control Panel and run the "Add Remove Programs" utility.
5. Check for the following installed programs and "remove" them.
  - \*\* Card Centre Pro
  - \*\* PcCardGo Windows Drivers
  - \*\* Keyspan High Speed USB Serial Adapter
  - \*\* MOTE xxx
6. Re-start Windows.

### **1.3.2 Package Download**

1. Go to the MOTE support site at <http://www.simulation-systems.co.uk/mote>
2. Click on the download section and download the following packages
  - \*\* MOTE v4.00
  - \*\* NMCS2 Configuration Builder v1.00
  - \*\* ELAN P424 Drivers (Laptop users will not require this package)
  - \*\* ELAN HD717 Drivers (Both laptop and desktop users will require this package)
  - \*\* KEYSpan USB/Serial Driver (Please download driver appropriate to your h/w revision)

Desktop users and laptop machines which have an onboard serial DB9 RS232 port will not require the KEYSpan USB/Serial drivers.

### 1.3.3 Package Installation

1. Install "ELAN P424 Drivers" by running "p424setup.exe".  
Only desktop users should install this package. Driver installation is automated and will complete without the need for operator input.
2. Install "ELAN HD717 Drivers" by running "hd717setup.exe".  
Both desktop and laptop users will need to install this package. Driver installation is automated and will complete without the need for operator input.
3. Install the "USB/Serial Drv" by running "keyspanQWsetup.exe" or "keyspanHSsetup.exe".

If you are using your own USB/Serial adapter or have onboard serial port then skip this step. Please ensure that the correct version of the USB/Serial driver is installed. Please check whether your adapter is the "QW" or "HS" version and install the appropriate driver.

4. Install "NMCS2 Config Builder x.xx" by running "nmcs2bsetup.exe".  
Follow the on screen instructions until installation has been completed.
5. Install "MOTE x.xx" by running "mote4setup.exe".  
Follow the on screen instructions until installation has been completed.
6. Shut down the PC/Laptop.  
Laptop users should simply re-start Windows and proceed to the next step. Once you have shut down your PC you may install your P424 PCMCIA to PCI adapter. Please take care to observe the usual anti-static precautions whilst handling the card.

Having re-started Windows follow the on screen instructions to install the P424 PCMCIA to PCI adapter drivers.

7. Insert the HD717 communications card into an available PCMCIA slot on the laptop (P424 slot for desktop PC users).  
Follow the on screen instructions to install the driver.
8. Insert the Keyspan USB/Serial adapter into an available USB port.  
Please skip this step if you are using a desktop PC or a laptop with a built-in serial port.

Having inserted the adapter the driver should be installed automatically without any user input.

It is recommended to reconfigure the adapter to use port COM1 as this is the port the MOTE defaults to.

Please refer to the "MOTE Quick Start Guide" for instructions to re-configure the USB/Serial Adapter.

## **2. SUPPORT**

MOTE includes a comprehensive user manual which should answer most questions. However if you experience any problems, usability issues or have any comments for future developments please let us know by contacting us:

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