

What is Plug 'n' Play all about ?

(Often misguided quote) *“Of course I can rip apart my computer
- It's plug 'n' play..... isn't it ?”*

Background

'Plug 'n' Play', 'Plug & Play' or 'PnP' (!) basically means that upon installing new hardware in to your computer the system will automatically configure the hardware settings for **IRQ** (Interrupt Request) **DMA** (Direct Memory Access) and **Port Address** Channels. These settings help your product work alongside other products also requiring similar settings. PnP technology makes these settings automatically so that you (the user) do not have to experiment with different jumper settings for each product until your system is working without conflict on these specific channels (which would result in some add-on cards not working due to them sharing the same IRQ/DMA or Port Address channels).

However - To fully support PnP technology three main ingredients are required. First the system motherboard must have a PnP BIOS. Secondly, the add-on card you are installing must also support PnP ~ This is done by means of hardware integrated in to the chipset (core logic) in addition to some additional hardware on the card to store the channel settings (this is usually in the form of an E² PROM). Lastly the application software you are using must also support PnP (such as Windows '95 & NT 4.0).

All of the products covered in this CD-ROM are Plug 'n' Play so if your existing system is also Plug 'n' Play then installation should be simple and trouble free.

Software Plug 'n' Play ?

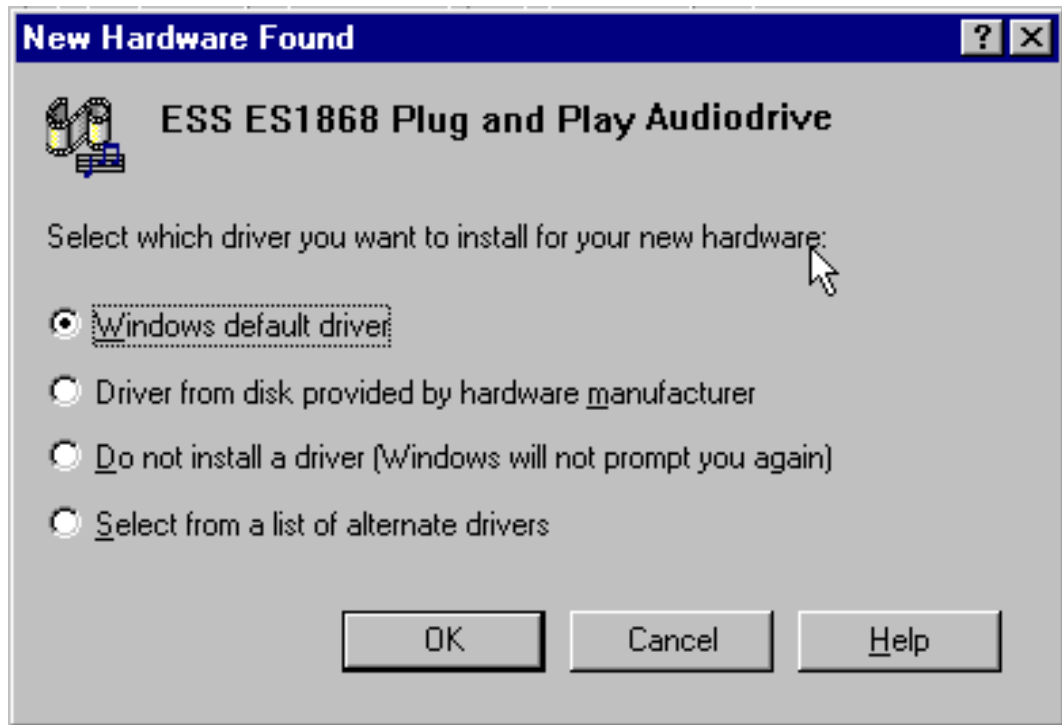
Am I ready ?

What does the software do when I plug the hardware in ?

As explained in the previous chapter, to fully enjoy Plug 'n' Play technology you'll need an operating system software such as Windows '95. This already has software drivers for a wide variety of popular hardware already embedded within its program. With PnP technology, after you have installed new hardware and re-started your computer system, Windows '95 will recognize your particular type of hardware and assign a *default* (or) *embedded* driver to it. However, because software drivers change regularly as technology improves, we recommend that you use the manufacturers own drivers instead of the default Windows drivers. This will ensure you are installing the latest technology to go with your specific hardware.

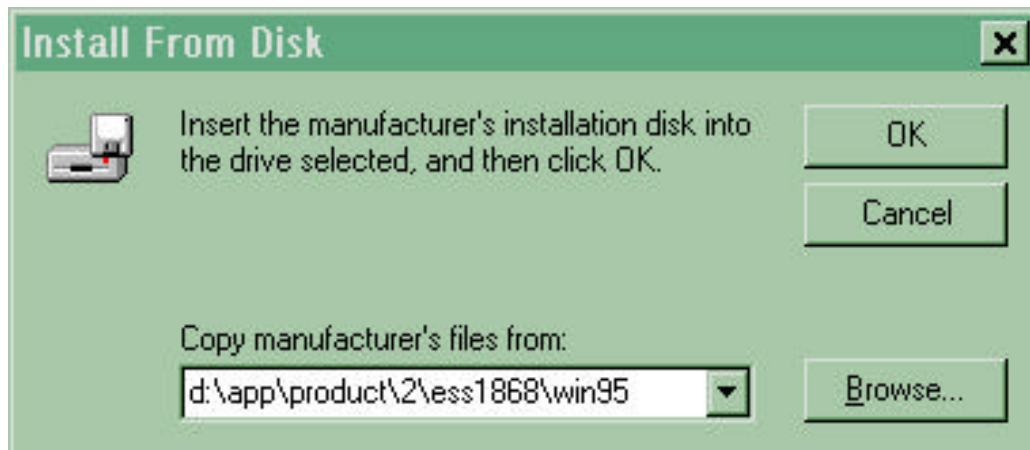
So, when the hardware has been installed, Windows'95 will automatically recognize this particular type of hardware and assign its own embedded drivers to it. Although, it does give you an option to use these embedded/Windows default drivers or to use those from the hardware manufacturer.

During the Windows'95 boot up procedure (after new hardware has been installed) you will be prompted with a "New Hardware Detected" dialog box as follows.



At this stage you can choose the default Windows driver or one from the hardware manufacturer. Choose **Driver from disk provided by hardware manufacturer** . Then you will need to direct Windows to the location of the specific driver. At this stage Windows will prompt you with a dialog box **Install from disk**And usually this will default the **Copy manufacturers files from :** field to... **A:**

But, because you are using a CD-ROM you need to direct Windows to the specific locations of the Windows 95 drivers as follows..



Windows NT

Also, please note that since Windows NT is similar in its installation procedure to Windows '95 (in other words it does not use **setup.exe** or **install.exe** application programs, but instead uses setup *information* files or *.inf* files), therefore when setting up new drivers in Windows NT you will be required to direct Windows NT to the specific driver (*.inf*) file locations...

Where are the Windows '95 and Windows NT installation drivers ?

The following locations apply to each product covered in this MMCD CD-ROM. As stated above please direct Windows '95 or Windows NT to these locations...

Note : Where '**language**' is stated please enter the code for the specific language required, but first read the 'readme.txt' and readme.pdf files for the latest updates on different language drivers available for these products.....

eng = English
ger = German

rus = Russian
chi = Chinese

spa = Spanish
fre = French

Our plan is to add as many language drivers as possible & available, however if your particular language is NOT available it will be substituted automatically with the English language drivers.

PRODUCT / CHIPSET CODE	COMMAND LINE PATH
ESS1868	d:\(language)\1868\win95
ESS1868	d:\(language)\1868\winnt35
ESS1868	d:\(language)\1868\winnt4
OPTi931	d:\(language)\931\win95
OPTi931	d:\(language)\931\winnt35
OPTi931	d:\(language)\931\winnt4
YAMAHA SA2/OPL4 <i>MegaWave</i>	d:\(language)\sa2718\win95
YAMAHA SA2/OPL4 <i>MegaWave</i>	d:\(language)\sa2718\winnt35
YAMAHA SA2/OPL4 <i>MegaWave</i>	d:\(language)\sa2718\winnt4
ESS1688	d:\(language)\1688\win95
ESS1688	d:\(language)\1688\winnt35
ESS1688	d:\(language)\1688\winnt4
TRIDENT 9685	d:\(language)\9685vga\win95
TRIDENT 9685	d:\(language)\9685vga\winnt35
TRIDENT 9685	d:\(language)\9685vga\winnt4
CIRRUS LOGIC 5464	d:\(language)\5464vga\win95
CIRRUS LOGIC 5464	d:\(language)\5464vga\winnt35
CIRRUS LOGIC 5464	d:\(language)\5464vga\winnt4

Notes :

Legend :

'win95'	= Windows '95
'winnt35'	= Windows NT v3.5
'winnt4'	= Windows NT v4.0

- I. "D" represents your CD-ROM drive. This may change according to your set-up
- II. Windows NT 4.0 drivers were being evaluated and released at this time of production of this MMCD. Should you find the relevant drivers are not present please either visit the MMCD web site to obtain the latest drivers (www.mmcd.com) or contact your local sales representative for further information and release dates.

Thank you...