EAttachPH Attach protocol handler to **The .ENET Driver**

#include <ENET.h> **AppleTalk Manager**

```
OSErr        EAttachPH(thePBptr, async);
EParamBlkPtr thePBptr;   address of an EParamBlock structure
Boolean      async;      0=await completion; 1=immediate return
             returns     Error Code; 0=no error
```

EAttachPH serves two purposes: use it to attach to **The .ENET Driver** your own protocol handler for a specific protocol type, or you can use it to specify that **The .ENET Driver** should use the default protocol handler for a particular protocol type. .

thePBptr is a pointer to an EParamBlock structure. The relevant fields are as follows:

Out-In	Name	Type	Size	Offset	Description
←	ioResult	short	2	16	Result code
→	csCode	short	2	26	Always ENetAttachPH
→	eProtType	short	2	28	Ethernet protocol type
→	ePointer	long	4	30	Pointer to protocol handler

async is a Boolean value. Use FALSE for normal (synchronous) operation or TRUE to function asynchronously. See Async I/O.

Returns: an operating system Error Code. It will be one of:

noErr	(0)	No error
LAPProtErr	(-94)	Protocol handler is already attached or node's protocol table is full.

Notes: If you attach your own protocol handler, **The .ENET Driver** calls that protocol handler each time it receives a packet with the protocol type you specified. If you specify that **The .ENET Driver** should use the default protocol handler, then you can use the **ERead** command to read packets with that protocol type.

The ioResult parameter returns the result of the function. If you call the function asynchronously, the function sets this field to 1 as soon as it begins execution, and it changes the field to the actual result code when it completes execution. The csCode parameter is a routine selector; it is always equal to ENetAttachPH for this function.

You specify the protocol type in the eProtType parameter and provide a pointer to the protocol handler in the ePointer parameter. If you specify NIL for the ePointer parameter, then **The .ENET Driver** uses the default protocol handler for that protocol type. Specify 0 for the eProtType parameter to attach a protocol handler for the IEEE 802.3 protocol, which uses protocol types 0 through 0x05DC

The LAP Manager calls the **EAttachPH** function with a protocol type of 0 and thus receives all 802.3 protocol packets. Instead of using the **EAttachPH** function to install a protocol handler for an 802.3 Ethernet protocol type, you should use the L802Attach routine. In the case of an 802.3 protocol packet, **The .ENET Driver** passes the packet to the

LAP Manager 802.2 Protocol handler. If the packet has the protocol type you specified with the L802Attach routine, the 802.2 protocol handler passes the packet on to your protocol handler.

For more information about IEEE 802.2 and 802.3 protocols, see **LAP Manager 802.2 Protocol** .