

LAPAddATQ Add an entry to the queue

#include <AppleTalk.h>

AppleTalk Manager

```
OSErr      LAPAddATQ(ATQEntry);
ATQEntryPtr ATQEntry;    address of an ATQEntry data structure
returns    Error Code; 0=no error
```

LAPAddATQ adds an entry to the AppleTalk Transition Queue.

theATQEntry is a pointer to an ATQEntry data structure. The CallAddr field of the data structure holds a pointer to the routine that AppleTalk calls for any AppleTalk transition event.

Returns: an operating system Error Code. It will be one of:
noErr (0) No error

Notes: From assembly language, you add and remove AppleTalk Transition Queue entries by placing a routine selector in the D0 register, placing a pointer to your AppleTalk Transition Queue entry in the A0 register, and executing a JSR instruction to an offset past the start of **LAP Manager**. The start of **LAP Manager** is contained in the global variable LAPMgrPtr (0x0B18). The offset to **LAP Manager** routines is given by the constant LAPMgrCall (2).

Here is assembly-language code that adds or removes AppleTalk Transition Queue entries:

```
LAPMgrPtr    EQU        0x0B18        ;LAP Manager entry point
LAPMgrCall    EQU        2            ;offset to LAP Manager
                                         routines
                                         MOVEQ    #RSEL,D0        ;place routine selector
                                         ; in D0 (23 to add an entry,
                                         ;24 to remove one)
                                         MOVE.L    LAPMgrPtr,A0    ;put pointer to LAP Mgr in A0
                                         MOVE.L    ATQEntry,A0    ;put ATQ entry in A0
                                         JSR        LAPMgrCall(A0)  ;jump to start of LAP Mgr
                                         ;routines
```