

New Technical Notes

Macintosh



®

Developer Support

Shortcut for Owned Resources

Toolbox M.TB.OwnedResources

Revised by:

March 1988

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May 1986

To allow the Font/DA Mover to renumber desk accessories as needed when moving them between system files, desk accessories should use the “owned resource” protocol described in the Resource Manager chapter of *Inside Macintosh Volume I*.

All resource IDs in a desk accessory should be zero-based. At runtime, a routine can be called to find the current “base” value to add to a resource’s zero-based value to get the actual current ID of that resource. Then, when a resource is needed, its zero-based value can be added to the resource base value, giving the actual resource ID to be used in future Resource Manager calls.

Here’s the source to a handy routine to get the resource base value, GetResBase:

```
;FUNCTION GetResBase(driverNumber: INTEGER): INTEGER;  
;  
;GetResBase takes the driver number and returns the ID  
;of the first resource owned by that driver. This is  
;according to the private resource numbering convention  
;documented in the Resource Manager.
```

```
GetResBase    FUNC
```

```
    MOVE.L (SP)+,A0      ; Get return address  
    MOVE.W (SP)+,D0      ; Get driver number  
    NOT.W  D0            ; Change to unit number  
    ASL.W  #5,D0         ; Move it over in the word  
    ORI.W  #$C000,D0     ; Add the magic bits  
    MOVE.W D0,(SP)       ; Return function result  
    JMP    (A0)          ; and return
```

```
END
```

Further Reference:

- The Resource Manager
- M.PT.FontDAMover