

# ReadDataFileLib Guide

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This library provides one function that allows you to get information from the 'ippr' resource of an Upgrader data file.

## ReadIPPR

You can use the ReadIPPR function to get a pointer to a buffer that contains the data from the 'ippr' resource of a specified data file.

```
OSErr ReadIPPR (FSSpec* inDataFileFSSpec,  
               Ptr outTheIPPRStream,  
               Size maximumSize,  
               Size* theSizeOfStream);
```

**inDataFileFSSpec**

A pointer to a FSSpec of a datafile.

**outTheIPPRStream**

A pointer to the buffer in which the return data is stored. If this parameter is NIL, this function will just return the size of the output stream, in the parameter theSizeOfStream.

**maximumSize**

The maximum length, in bytes, of the data to be returned. You must allocate at least this amount of storage for the buffer specified by the outTheIPPRStream parameter.

**theSizeOfStream**

The length, in bytes, of the data for the IPPR in the specified data file. If this value is larger than the value of the maximumSize parameter, not all of the data for the parameter was returned, and Result Code kNotAllReturned will be returned.

## DESCRIPTION

The ReadIPPR function uses a buffer to return the data from the 'ippr' of a specified data file.

Name of Variable	number of bytes	
Format	2	
Revision number	4	
Count of Remap Pairs	2	
Unsupported Machine ID	2	Repeated for # of Remap pairs
Supported Machine ID	2	
Count of Software Items	2	
Name of Software Install	1-255	(Str255) Repeated for # of software items
Installation Flags	4	

Path to App	1-255	(Str255)
Name of App	1-255	(Str255)
Path to doc	1-255	(Str255)
Name of doc	1-255	(Str255)
Path to Aux doc	1-255	(Str255)
Name of Aux Doc	1-255	(Str255)

## RESULT CODES

noErr	0	No error
kCouldntGetIPPRHandle	1502	Could not get handle to 'ippr'
kCouldntGetInRSRCStream	1503	Could not create stream for 'ippr'
kCouldntGetOutRSRCStream	1504	Could not create stream for outTheIPPRStream
kUnknownIPPRFormat	1505	Unknown 'ippr' format
kCouldntGetSoftwareNamesListRSRCHandle	1506	Could not get handle to software names 'STR#'
kCouldntGetSoftwareNamesListRSRCStream	1507	Could not create stream for software names list
kCouldntGetInstallerAppflrfRSRCHandle	1508	Could not get app 'flrf' handle
kCouldntGetInstallerAppflrfRSRCStream	1509	Could not create stream for app 'flrf'
kUnknownFLRFFormat	1510	Unknown 'flrf' format
kCouldntGetInstallerDocflrfRSRCHandle	1511	Could not get doc 'flrf' handle
kCouldntGetInstallerDocflrfRSRCStream	1512	Could not create doc flrf stream
kCouldntGetInstallerAuxDocflrfRSRCHandle	1513	Could not get aux doc 'flrf' handle
kCouldntGetInstallerAuxDocflrfRSRCStream	1514	Could not create aux doc 'flrf' stream
kSizeStreamNull	1515	theSizeOfStream is NULL
kNotAllReturned	1516	Not all of the data was returned

## SEE ALSO

For an example of the use of ReadIPPR, see below.

```

theToolResult = ReadIPPR(&scriptFSSpec, NULL, theMaximumSize, &theStreamSize);
if (theToolResult == kToolSuccess)
{
    theIPPRStream = NewPtr(theStreamSize);
    if ((theErr = MemError()) == noErr)
    {
        theToolResult = ReadIPPR(&scriptFSSpec, theIPPRStream,
                                theStreamSize, &theStreamSize);
        if (theToolResult == kToolSuccess)
        {
            ; // Perform some task
        }
    }
    else
    {
        theToolResult = kToolSystemErr;
    }
}

```