\*\*\* IMPORTANT NOTE \*\*\*

Far Memory Support is only available in the PK51 package.

If you have an CA51, DK51, or Evaluation Package the far memory

support is not available and this example will not work.

The ADuC812 16MB RAM DEMO program shows you how to use the new

features of C51 Version 6.12 and LX51 Linker/Locater Version 3.10

to access the large 16MB xdata space on this device.

C51 provides you with the 'far' memory type that can be used to

access large memory. The memory accesses itself is performed in

the XBANKING.A51 configuration file. The example includes a configured

version of the XBANKING.A51 file that accesses the large 16M Byte external

address space via the extended DPP register of the ADuC812 device.

The 'far' memory type is handled at linker level via the memory class HDATA.

You can enter the address range in uVision under Options for Target -

LX51 Locate - User Classes as shown below:

HDATA (X:0x020000-X:0x02FFFF) /\* put 'far' into X:0x20000 - X:0x2FFFF \*/

The large memory space is simulated under uVision with the X: memory type prefix.

For example the uVision debugger command:

>D X:0x20000 // displays external data starting at 0x20000