

Introduction

The DRELoad is a command-line program which transfers the assembled object file output of the DREAsm program over a serial cable into the DRE on the EV3201 evaluation board, as well as set the COM port.

Invoking the Downloader

To invoke the downloader from the command line, type:

```
DRELoad object_filename RAM_space [COM1 | COM2 | COM3 | COM4]
```

where **object_filename** is

the name of the DRE Object file to download, or
a hexadecimal number to download to Control Word 0 or 1.

RAM_space is a number that specifies which RAM space to load, designated by a number:

0 means Instruction RAM,
1 means Data RAM,
2 means Control Word 0,
3 means Control Word 1.

[COM1 | COM2 | COM3 | COM4] is an optional parameter which specifies which serial port to use. If this parameter is omitted, DRELoader defaults to COM1.

For example, if you wish to download a DSP object file named filter.obj to Instruction RAM and you have the Development Board connected to COM2, type:

```
DRELoad filter.obj 0 COM2
```

In a typical programming session, you will probably first set up set up Control Word 0 and Control Word 1, then download your object file. For example:

```
DRELoad 02 2  
DRELoad 00 3  
DRELoad mydsp.obj 0
```

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