

# MiniDaq DDE Server, Version 1.00

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### Overview

MiniDaq DDE Server is a program that will pass EAS MiniDaq A/D input data to any Windows application that supports Dynamic Data Exchange (DDE). MiniDaq DDE Server is a 16bit Windows program that will run on both Windows 3.1 and Windows 95 platforms.

### Getting Started

Unzip DDE\_FULL.ZIP to a temporary directory and run SETUP.EXE to start the installation program. The setup program will prompt you for a directory to install MiniDaq DDE Server. It will then unpack the necessary files and create a Program group. After installation you should see a icon called MiniDaq. Click on the icon to start MiniDaq DDE Server.

### Operation

MiniDaq DDE Server has two option button categories. You can select either Unipolar or Bipolar operation. This is dependent on the jumper settings on the MiniDaq A/D board. You can also select which LPT port that MiniDaq is connected to. If you select the wrong LPT port, the DDE Server program will not operate correctly. The default is Bipolar and LPT1 port. If the MiniDaq A/D board is attached, you should see changing voltage data on the screen. If you are not getting any readings, please check for loose connections to the MiniDaq A/D board. Once the program is running correctly, you can now minimize the program so the DDE Server can run in the background.

### Creating DDE Links

You can create DDE links in Microsoft Excel. We have a example Excel spreadsheet program, EXCEL\_DDE.XLS, that will help you create the necessary DDE link information.

You can also create a link, by typing in the following command in an empty cell.

```
=Minidaq|Volts!ch0
```

This will setup a link to MiniDaq DDE Sever to read in channel 0.

The following are the available DDE links

=Minidaq Volts!ch0	A/D Channel 0
=Minidaq Volts!ch1	A/D Channel 1
=Minidaq Volts!ch2	A/D Channel 2
=Minidaq Volts!ch3	A/D Channel 2
=Minidaq Volts!ch4	A/D Channel 4
=Minidaq Volts!ch5	A/D Channel 5
=Minidaq Volts!ch6	A/D Channel 6

=Minidaq\Volts!ch7	A/D Channel 7
=Minidaq\Volts!baseaddress	MiniDaq LPT port baseaddress in decimal
=Minidaq\Volts!input0	Digital Input port PB0
=Minidaq\Volts!input1	Digital Input port PB1
=Minidaq\Volts!input2	Digital Input port PB2
=Minidaq\Volts!input3	Digital Input port PB3

If the Excel spreadsheet does not update the data, please check to see if MiniDaq DDE Server is running. MiniDaq DDE Server must always be running if you want continuous data updates.

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