

Setting up ETI Link/DDE

Getting started:

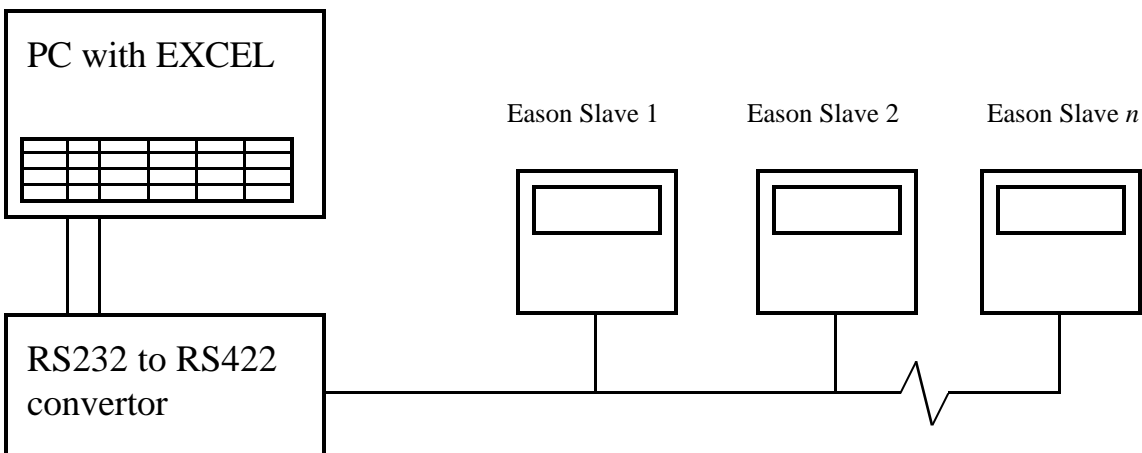
The following technical note will show you how to set up ETI Link and DDE. This allows several Eason units to communicate and share data with a central PC. This system sets up a PC as master, and up to 32 Eason units can be designated slaves. Using ETI/DDE requires the units that you are using to have ETI firmware. (Available as a no cost option at time of order, or subsequent upgrade.) ETI link also requires you to have the MO2 option in your Eason unit. The following diagrams will demonstrate how to wire the Eason units together, and then hook them up to your PC. From there, this note will show you how to get started setting up your DDE on your PC, and get your Excel spreadsheet to communicate with the Eason units.

Setting up ETILink/DDE requires the following items:

1. A PC to act as master
2. Eason 1000 or 1100 with MO2 option and ETI firmware
3. A statistical management system on your PC, such as Excel
4. DDE server software
5. An RS232 to RS422 convertor
6. Five wire cabling with shield

The setup:

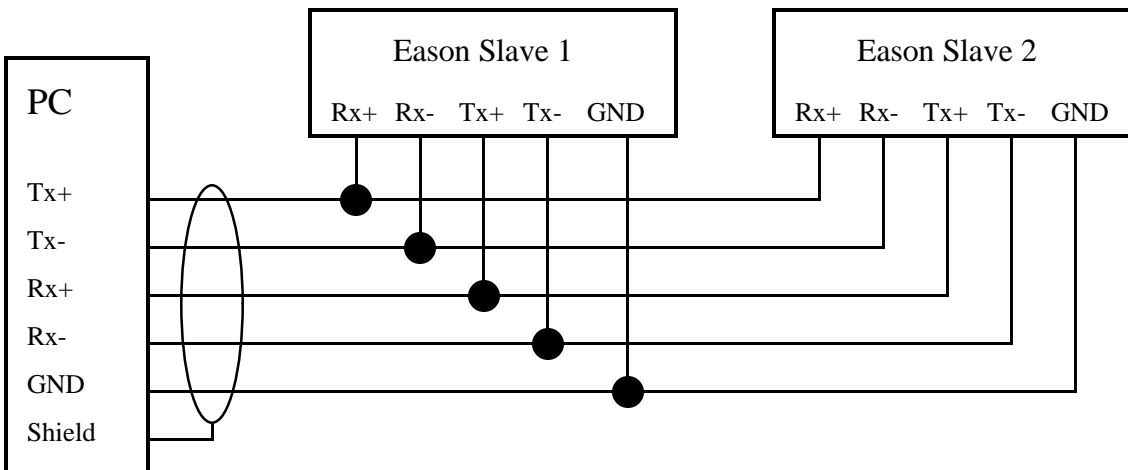
ETI Link/DDE is setup in the following manner:



Setting up ETI Link/DDE

Wiring:

Wire the ETI Link setup as below. Be sure that the shield is connected in ONE location only to prevent current flow and inducing noise.

**In your Eason units:**

The Eason units require a simple one-line command that lets them know which slave they are in the ETI Link system. Just insert the command **CALL ETIINIT(*n*)** at the top of your program, where *n* is the slave number you want to designate that particular unit.

On your PC:

Install the DDE server software onto your PC, and initialize it. By entering in certain commands in your Excel spreadsheet cells, information can be collected from the Eason units, and data output back to the units. With the DDE software comes several demo programs which show you how to program your spreadsheets to accomplish this.