



The Data Downloader (DDL)



Features of the DDL:

- Easy and accurate storage and transfer of data between indicator and PC
- Does not require any batteries, maintenance or converter box
- Accepts all ASCII data from printer and stores it for transfer to the PC
- All recipes and printouts are saved to DDL
- 64K of memory (1600, 40 character lines)
- Compatible with all Digi-Star/OMP and EZ Indicators with serial/printer ports
- Accepts all EZ foreign language formats
- Works with DTU (Data Transfer Utilities, Version 6.2 or later)

Operation, Installation Manual

DIGI-STAR
790 WEST ROCKWELL AVENUE
FORT ATKINSON, WISCONSIN 53538
PHONE (920) 563-1400
TECHNICAL SERVICE 1-800-225-7695 (920) 563-9700

1. Getting Started

Load the DTU (Data Transfer Utilities) software on your PC. Instructions included with the CD-Rom Software.

1.a. System Requirements for Computer

Windows 98/2000/NT operating system	Pentium 100 PC or better
Serial Port.	100 Meg of free disk space
32 Meg of RAM	CD-Rom drive

2. Connect Cable to Computer

The cable included with your DDL Kit, connects to the serial port on your computer. The serial port is referred to as "COM port." If your computer has more than one COM port, they will usually be named COM1, COM2, etc. This cable has a 9-pin D-sub connector. The cable must be securely connected to a COM port to function.

3. Connect DDL to Indicator

Connect DDL to Serial/Printer port (J904) on Digi-Star indicator, which is located on bottom panel. Press the "Print Key." When indicator printing is completed, remove DDL.



3.a. DDL Set Up Requirements

Use of the DDL (Data Downloader) with the EZII series indicators requires the latest software version. It is recommended that you call the Digi-Star Service Department for the latest software version and upgrade, if necessary to become current, before attaching and using a DDL.

Menu 2 in the long form set up contains some features that must be set for the DDL to function properly. They are:

SCOREM	0
COM IN	DOWNLD
C1 DLY	.10


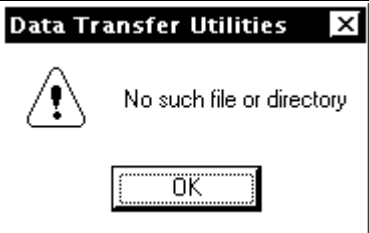
4. Connect DDL to cable

Simply fasten module on the black circular plastic connector opposite computer connector. The module will lock on the cable connection with a twist of the fastener on module. Be sure that the module is secured on cable.

5. Operate the DDL from Computer

Follow Data Transfer Utilities (DTU) software instructions included with the CD-Rom software.

6. Troubleshooting

	<ul style="list-style-type: none"> • Check for proper connection to cable. • Check for proper connection of cable to serial port of PC. • Check port setting in the DTU program to be sure DDL is on the correct serial port. • DDL could be faulty, try another DDL. • If any other installed software that requires a com port is trying to run and there is only one com port, the second software will not be able to run. If the DTU software had been loaded first and then the (eg. Palm Pilot) software, the Palm software would have a problem. This is a hardware allocation problem. For sites that need to run both, a second com port must be added or you have to turn off all other software packages that may be using the 1 com port
	<ul style="list-style-type: none"> • Was the file saved? • Was the file saved as a text file? (.txt) • Was the data saved in a valid Windows file folder and/or directory?
<p>Data will not transfer to PC.</p>	<ul style="list-style-type: none"> • Check for proper connection to cable. • Check for proper connection of cable to serial port of PC. • Check port setting in the DTU program to be sure DDL is on the correct serial port. • Save a small text file to the DDL then read it back on PC.
<p>Some information not listed</p>	<ul style="list-style-type: none"> • Was the 64K capacity of the DDL over filled? • Was the information overwritten?
<p>Lost or invalid data</p>	<ul style="list-style-type: none"> • Was the DDL removed from indicator before printing was complete? • Is DDL connected to indicator or cable? • DDL could be faulty, try another DDL • On Indicator Scoreboard must be set to “3” not “4.” • Print delay must be set to the minimum setting but not “0.”
<p>Dialog box and program locks up (not responding) Note: the larger the amount of information saved, the longer the amount of time to upload data to computer, up to three minutes for 64K of data.</p>	<ul style="list-style-type: none"> • CTRL-ALT-DEL and end task then restart.