



# Elite identiLINX

## *Operators Manual*

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## 1 Quick Start

This section is provided to assist in rapid installation and setup of Elite identiLINX software.

### 1.1 Installation

#### *Installing the software*

- Insert the installation disk into your computer,
- Run the SETUP program on the installation disk,
- Follow the prompts - allow it to set itself up as it suggests,
- If you have been given a "Master Configuration File" - copy it into your computers "C:\" drive.

#### *Setting Up The Program*

- Connect an XL Memory Unloader to your computer,
- Switch the Unloader on, ensure it is functioning (red Led blinking)
- Start Elite identiLINX software,
- Elite identiLINX will scan for the Unloader then install it into the program
- If you were given a "Master Configuration File" and you copied it onto your "C:\" drive it will be loaded and used to configure your software - then moved into another part of the computer for safe keeping.
- You may be prompted for the name of your company and the name of your site - please enter these.

If your Unloader was properly detected and installed, the bottom status line of the program will show the serial number of the Unloader, its date and time and the number of records in the Unloader.

If your Unloader is not installed because it is malfunctioning, not switched on or not connected to a free spare COM port - you need to correct this for proper operation.

### 1.2 Configuration

#### *Using a Master Configuration File*

If you were given a "Master Configuration File" it should have been loaded by the program. You are shown the version information and asked to confirm if you want to load this configuration file. When this happens - if your configuration file has been setup properly - all your setups have been done.

## **1.3 Operation**

### **1.3.1 Get Data From Unloader**

Press the main menu “Get Data” Option button.

Press the “Start” button.

Unloading will commence and proceed according to the automatic options setup in the program.

### **1.3.2 Sending Your Data via eMail**

If identiLINX has been setup for automatic or queried eMail – your data files will be sent if your Internet connection is functioning correctly.

This happens quickly and simply if everything is configured and working as it should be.

Data files are sent after the XL Memory Unloader has been deleted (or not deleted according to configured options).

You can use the tools section “failed eMail” to initiate a re-send of failed eMails – and to add additional files for sending.

### **1.3.3 Archiving Files**

Elite identiLINX will archive your files after they have been eMailed AND if it has been configured to do so AND everything previous has functioned correctly.

Archiving is done by moving your data files to a directory called “Archive”. It is located inside the “UnloadedData” directory.

There are no options for changing these directory names – they are fixed.

### **1.3.4 Tools Section**

The tools section allows you to;

- Setup (configure) the program. This is password protected
- View raw data files & inspect the data along with some analysis functions
- Look at any files that have not been eMailed - failed eMail
- Other options for diagnosis of data files, system testing etc.

#### **Setup**

This is password protected. Until the password is entered – the section cannot be changed.

This section allows setup of the program – eMail addresses, automatic processing options etc.

The “master configuration file” can over-write most or all of these options.

#### **View Data**

Press the “Open” button. Select a data file then open it.

You will be shown the data in the file.

Options are provided to view status information about Wands, Unloaders, the file information (when it was created etc).

#### **Failed eMail**

You are shown a list of data files that have not been sent (usually because the eMail system has failed).

You can add additional files to this list.

You can also initiate a re-send of data files if the Internet connection has been fixed.

## 2 Introduction

This is the “Operators Manual” for the Elite identiLINX program.

This manual will describe the basic installation, configuration and operation of this program.

This is not intended to be a technical or reference manual.

### 2.1 Overview Of *identiLINX*

Elite-ID Electronic Systems created the *identiLINX* program to;

- Be the simple software to install and manage,
- Be a simple means to extract data from XL Memory Unloader units – “One Button”,
- Be a simple transport and support mechanism for other Elite-ID support programs,
- Provide an integrated eMail system to transport the extracted data,
- Provide data management functions,
- Provide data diagnostic functions,
- Provide functions to aid in the management of a quantity of XL Memory Unloader units.

Overall – SIMPLICITY is the prime goal. We have tried to make the system as simple as possible to install and use.

Additionally, we have included fail-safe functions that allow (for example) the eMail system to fail and later when the eMail system is functional – data files are sent automatically with a minimum of fuss.

Another prime function is the need to make the management of a number of sites all running *identiLINX* as simple as possible. We provide for this by having a system whereby the program can be “instantly” configured using a configuration file. For example – you can send a new configuration by eMail – *identiLINX* will use the new configuration to change its internal operation.

### 2.2 Features and Facilities – More Information

After *identiLINX* starts up, the main screen of *identiLINX* has three options –

- “Get Data”,
- “Tools” and
- “Exit”.

### **2.2.1 When identiLINX Starts**

Three things happen when identiLINX starts :–

- If this is the first time that identiLINX has been run on this particular computer, it will automatically scan for any connected Unloader and then “self configure” itself,
- an “Auto Config” file is searched for and used to re-configure identiLINX and,
- If there is no company name or site name, identiLINX will ask for these,
- after this, if this is a first time run, the COM ports are scanned and an XL Memory Unloader is searched for. If found, it will be installed,
- any XL Memory Unloader connected is queried for its status information which is then displayed on the status line at the bottom of the screen.
- If there are any “failed eMails” in the system and the eMail system is operational, then the files will be sent automatically.

### **2.2.2 Get Data – Main Screen Option**

This option gets confirmation that the XL Memory Unloader is to be unloaded then data is extracted.

Elite identiLINX has been developed to do some “automatic options”. These are things that can be setup to free the user from having to make decisions and choices on what to do next.

This part of the program can have FOUR separate “automatic program options” applied in one of three modes.

The three Program Modes are;

#### **Automatic**

This mode of operation causes the particular options to be done automatically without asking the user.

### **Query**

This mode is used to cause Elite identiLINX to ask the user if a particular option is to be done or not. The user is “queried” if the option is to be used.

### **Do Not Apply**

This mode disables the option – the user is not given a choice – it is not done.

The Four Automatic Program Options are

### **Update Unloader Clock**

The real time clock in the XL Memory Unloader can be set to the same date and time as is in the PC.

### **E-Mail Data Files**

After unloading, the data files can be automatically eMailed to a number of recipients.

### **Delete XL Memory Unloader Chips**

The memory chips in the XL Memory Unloader are not deleted by the unloading process.

They must be specifically deleted and that is controlled with this option.

### **Archive Data Files**

After eMailing the data files, they can be “archived” to a directory on the computers hard disk set aside for holding old “historical” data.

## **2.2.3 Tools**

This is a major section that provides an extensive range of options for setting up the program as well as utility and diagnostic functions ;

### **Setup**

This password protected screen is where;

- eMail addresses can be setup, and some tests done,
- automatic program options can be setup (eg auto eMail etc)
- where the port that connects to an XL Memory Unloader can be setup,

### **Logs**

Provides a means to display the information about use of the system – the “logs”.

### **Diagnostics**

This screen provides facilities to;

- Test the Unloader
- Query the Unloader Status
- Delete Unloader data – password required

### **Check Clock**

This screen simply displays the XL Memory Unloaders’ real time clock and PC real time clock side by side.

### **View Data**

This is an extensive section providing;

- Raw data display
- Display of Wand real time clock performance
- Display of XL Memory Unloader real time clock performance
- Display of data file properties showing information about the file & program etc
- Data analysis functions
- Data sorting functions
- Data file “properties” display – showing when a file was created, by whom etc.

### **Test eMail**

This is provided to send test messages via eMail to each of the eMail addresses.

This provides simple system testing functions.

### **Failed eMail**

One problem that will happen time and again is that an eMail will attempt to be sent then it will fail for some reason.

What happens then??

We have designed identiLINX to prevent that problem.

The “Failed eMail” tools section provides a means to

- Display the list of files that were selected for eMail but were unable to be eMailed
- Add extra files to the list of files to be eMailed
- Send the list of files via eMail

### **2.2.4 Exit**

This closes any files then exits the program back to Windows.

## **2.3 Operational Requirements – Computer / eMail**

Almost any Windows 95 / 98 / NT capable computer can be used with identiLINX.

Elite identiLINX requires;

- Pentium grade computer recommended - please,
- Minimum 16 megabytes of main system RAM,
- Minimum of 10 megabytes of hard disk space,
- An Internet connection if you want to use the eMail facilities,
- Colour screen,

## **3 Installation**

Elite identiLINX is a simple program to install – just run the setup program on the supplied disk and it will install itself into an appropriate place in your computer.

### **3.1 *First Time Install***

Insert the floppy or CD into your computer then run the SETUP program.

Allow the setup program to install identiLINX into all the default places.

### **3.2 *Updating From Internet Update File***

An upgrade file is just the program itself.

All you need to do is to copy it into your computer in the correct place.

This is “C:\ProgramFiles\Elite ID\identiLINX”.

If you copy a new program file to this place – you will have updated your program.

### **3.3 *Updating From eMailed Update File***

An eMailed upgrade file is exactly the same as an Internet upgrade file – it is the program itself and just needs to be put into the program directory in the computer.

Copy the file into the “identiLINX” program directory the same as for an Internet file update.

## 4 Setting Up identiLINX

There are two ways to setup identiLINX – manually or automatically via a master configuration file.

Manual installation requires some computer knowledge, knowing any required eMail addresses and the options that are required.

A master configuration file can be created from a (existing) pre-installed identiLINX program so that you can **copy** the configurations from one computer to another.

The master configuration file can also be manually edited with Wordpad or Notepad etc. The master configuration does not have to be a complete configuration either – you can change one, many or all configuration options.

For example – if the eMail address you want to send data to changes, you can send out a master configuration file with just that configuration in it – it will update just that option in each identiLINX program that uses it.

### 4.1 Configure From Master Configure File

The master configuration file is called “identiLINX\_Config.dat”.

If this file is placed into the “C:\EliteData\Config” directory of your computer, it will be used to re-configure identiLINX the next time it is started.

### 4.2 Auto Creating A Master Configure File

In the identiLINX program;

- Enter the “Tools” section
- Enter the “Setup” section
- Unlock the screen – password required,
- Press the “Save Config” button.

This will create an “identiLINX\_Config.dat” file in your computer.

The file will be saved to “C:\EliteData\Log”

This file will contain the settings that you have setup in your own computer. This lets you copy your settings to another computer system.

### **4.3 Manual Editing A Master Configure File**

The full details about editing a master configuration file are outside the scope of this manual.

However, you can;

- Use “Notepad” – which is in the accessories section of Windows.
- Open the file “identiLINUX\_Config.dat” file.
- You will now see lines of information. You can edit, delete, change this as required.

## 5 Master Configuration Commands

There are four types of commands in the configuration file;

“**General**” – are commands that apply to the program as a whole.

“**Equipment**” – are commands that are used to name and describe the equipment that will be used with the system.

“**eMail**” – configures how and where data is sent via eMail

“**Auto Modes**” – configures automatic functioning of the program. It selects options that will be used for operation.

Command	Explanation
---------	-------------

### *General*

;	Everything after the “;” is a comment and is ignored by identiLINX.
@VER -- Elite-ID Default Version 1.00	This “names” the master configuration file. The user will be shown this when asked if a configuration file is to be used.
@PREFIX, Any Name	The name to use when naming data files
@SITE, Site Name	Names the site where equipment is being used
@COMPANY, Company Name	Names the company using / owning the equipment

### *Equipment Support*

@ADDEQNAME, 999, IdentiNetTest	Future option.
@ADDBUTTON, 00000414648B, Button Name	Future option.
@DELEQFILE	Future option.

### *Data File eMail Support Options*

@DATAEMAIL, data@elite-id.com.au	Sets the data eMail address – where data is sent to.
@ADMINEMAIL, richard@elite-id.com.au	Sets the administrator eMail address
@USERNAME, Richard	Sets the program user name.
@USEREMAIL, richard@elite-id.com.au	Sets the users eMail address (critical to get right!) This is used to establish the eMail connection.

Command	Explanation
@CCDATA, TRUE	CCData when true sends a copy of your data to the admin eMail address
@CCELITE, TRUE	CCElite when true sends a copy of your data to Elite-ID

### **Auto Modes Setup**

@ModeSETClock, Query/Off/Auto	Sets how the program handles updating the Unloaders' clock – the user can be Queried, automatic update, or skip.
@ModeeMail, Query/Off/Auto	Turns on or off or queries for eMailing data files
@ModeDelChips, Query/Off/Auto	Sets Unloader memory chip delete mode
@ModeArchive, Query/Off/Auto	Sets the Archiving mode

## **5.1 Sample Master Configuration File**

---

```

;
; This is a comment - it will be ignored.
;
; Name This config file. . .The user is shown this before the file is used
@VER -- Version 1.00

; Setup the eMail addresses
@DATAEMAIL,identinet_data@identinet.com.au
@ADMINEMAIL,richard@elite-id.com.au
@USERNAME,Richard
@USEREMAIL,richard@elite-id.com.au

; Setup the automatic options
@ModeSETClock,Query
@ModeeMail,Auto
@ModeDelChips,Auto
@ModeArchive,Auto;

```

---

These configurations will;

- Name the configuration file "Version 1.00"

- Setup the eMail addresses and user name
- Setup the automatic options for Clock, eMail, Delete and archive

## **5.2 Fail Safes & Checks**

We have tried very hard to ensure that identiLINX is as safe and secure as any computer program can be.

The following are some of the measures we have taken.

### ***Program Crash – General***

Computers and the software in them crash – all too often.

The identiLINX software has been designed to prevent data loss to the maximum degree possible.

At worst – you will have to re-start unloading an XL Memory Unloader from the beginning.

### ***Program Crash - Unloading***

If your computer or program crashes during Unloading, your Unloader will not be affected and any data stored on disk may possibly be lost.

You must re-start your computer and try again.

### ***Program Crash – Deleting Chips***

If the program crashes or your computer is reset whilst the chips in the unloader are being deleted, your data file on disk will not be lost or corrupted – it is closed and “flushed” during this time.

### ***Memory Chip Deletion***

Memory chips in the Unloader will only be deleted when there has been an error free data unload to a disk file, the disk file exists on the disk and it has been closed.

### ***Failure of an eMail***

If the eMail system cannot connect to your Internet Service Provider (ISP) then any file(s) being eMailed are moved to the “Failed eMail” directory.

The “tools. . .failed eMail” section can be used to inspect files in that location and to initiate a re-send of data files.

Alternatively if the computer crashes after a delete and before an eMail procedure starts, the data files will remain in the “Unloaded Data” directory. The Failed eMail option can be used to add them to the Failed eMails directory for later sending.

### ***Data Integrity***

All data lines in the data files contain a large “check digit” that will detect if there has been any corruption or tampering of the data.

## 6 Getting Data From The Unloader

Getting data from the Unloader, resetting the Clock in the Unloader, sending the data file eMail to a remote location then archiving the data can be totally automated.

Press the “Get Data” button.

A new form will open. Press the “Start” button. Elite identiLINX will now start extracting data from your Unloader.

Depending on how your program has been setup, you will be prompted as the Unload happens.

### **6.1 What Happens When a Data file is eMailed**

When a data file is eMailed, it is sent to the “Data” address.

This is done when;

- The Unload was successful – there were no errors,
- When identiLINX is configured for “Auto eMail”
- When identiLINX is configured for “Query eMail” and the user confirms that the data file is to be eMailed.

In addition it can also be sent to the “Admin” address if the “CC Admin” checkbox is the setups section has been checked.

Also, the data file can be sent to Elite-ID Electronic Systems if the “CC Elite” checkbox in the setups section has been checked.

If the eMail cannot be sent (for example – your eMail system is not working) then the data file(s) will be moved to the “C:\EliteData\UnloadedData\FailedEmail” directory.

### **6.2 What Happens When a Data File is Archived**

When a file is archived, it is moved to “C:\EliteData\UnloadedData\Archive”.

By moving your already eMailed files to this location, you know just files have been eMailed. Your files are managed.

We suggest that if you are eMailing data files and NOT processing data files locally that you turn this option to AUTO.

### **6.3 What To Do When eMailed Data Is Not Sent**

Your data files will be eMailed automatically if

- Your eMail system is working
- IdentiLINX is setup to send an eMail automatically or after a query and you answer “yes”

Your data files will not be sent by eMail if;

- Your Internet connection is not working
- You choose “No” if and when you are prompted if you want to eMail your data
- You have keyed in the wrong user address. This address is used to make the connection.

When eMail is not sent, your data files are moved into a “Failed eMail” area on the computers hard disk.

This is the “C:\EliteData\UnloadedData\FailedeMail” – directory.

You can inspect the files in this location with the “tools. . .Failed eMail” option. You can also manually initiate an attempt to send data files in this section.

#### ***Recovering From Failed eMails***

- Fix your eMail system – connect to the Internet
- Check your addresses (if it has never worked)
- Go to the “Tools. . . .failed eMail” section. Use the “eMail” button. This will send any un-sent eMails immediately.

## **7 Tools Section – Setups & Diagnostics**

Use This Section to

- Send any files that were not properly sent via eMail
- View data files & analyse equipment performance
- Configure the serial port to use
- Perform basic maintenance on XL Memory Unloader – clock and memory operations