

1) RS232 to DB9 cable.

2) USB to RS232 cable

(JA-USB-SER).



ESCORT Intelligent Mini Data Logger

Quick Reference Guide Thank you for purchasing an ESCORT dls product. Please read this quick reference guide before using this unit.

www.escortdls.com

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1. WHAT YOU NEED

- ESCORT Console Software
- Intelligent Mini data logger
- RS232 to DB9 or RS232 to USB cable
- REDi Intelligent Receiver

2. INSTALLING THE SOFTWARE

- Start your computer and insert your ESCORT Console software into your CDROM drive, or download ESCORT Console from our website <u>www.escortdls.com</u>.
- If downloading via the Internet, a popup will appear. Click the 'RUN' button.
- The software install wizard will appear. Select the language required to view the install wizard and click 'Next'.
- The **licence agreement** will appear. Read the conditions and if accepted click **Next.**
- A screen will appear displaying information regarding ESCORT for Windows and ESCORT User Administration Software. If you are using either of these software packages please read the displayed information and click Next. If you are not using either of the stated packages just click Next.
- Enter ownership and user details relating to your software and click Next.
- Select the languages you require your software to be published in and click Next.
- If you are running ESCORT User Administration Software please follow the instructions displayed. If you are not running ESCORT User Administration software click 'Next'.
- ESCORT Console software is now successfully installed on your computer.

3. CONNECTING LOGGER TO PC

The Intelligent Mini only requires a standard RS232 to DB9 or RS232 to USB cable to communicate with your PC:

Both of these cables are available for purchase from your local electronics store. Alternatively you are able to purchase the USB to RS232 cable from your ESCORT DLS distributor.

Connecting the DB9 (9 pin) cable to your computer

Plug the DB9 connector into the serial port located at the rear of your PC.

Tighten the screws located either side of the connector, but **Do not over** tighten.



Connecting the USB / RS232 cable to your computer

There are three places on your PC where you may find a USB port. These are; The rear of your PC, on the front panel below the on button and on the side of some LCD screens.

In some instances you may locate a USB connector on your keyboard, or may have a USB junction box.

Once you have attached the USB cable to your PC you must install the required drivers. The drivers can be found on a disc supplied with the cable or downloadable via our website.







Screen

4. CONSOLE SERIAL PORT SETUP

Once you have successfully installed your Console software, it can automatically check how many COM ports are located on your computer (including USB).

 Select the menu options EDIT > OPTIONS > COMMUNICATIONS and choose the relevant COM Port and click 'OK'.

Options	×
General File Date Time Time Zone 2D Graphs Legenc Products Communications Languages Colours Advanced	l
Communications Port (COM1)	
OK Cancel Apply Help	

5. CONSOLE PRODUCT SETUP

You are required to select the ESCORT products that you want to communicate with.

 Select the menu options EDIT > OPTIONS > PRODUCTS and select the relevant Products listed and click 'OK'.

Options	X
General File Date Time TimeZone 20 Graphs Le Products Communications Languages Colours Advar	
ESCORT Precision SCORT Junior ChatReader ESCORT Junior	
SCORT Mini 2000/Intelligent ChartReader	
✓ m ESCORT Intelligent Mini ✓ SCORT REDi	Ť
	¥
OK Cancel Apply He	lp 🛛

6. PROGRAMMING an Intelligent Mini

Start your computer and open your ESCORT Console software by selecting the ESCORT Console icon located on your desktop, or via the following menu options START > ALL PROGRAMS > ESCORT > CONSOLE.

 Select the Program & Configure icon from the Console taskbar, or select Action > Program & Configure from the dropdown menu or Control + P.



 The Program & Configure wizard will open and an information screen will appear. Click 'Next'. The first window to appear on the program and configure wizard is a general information window.
 Please read this window and if you do not wish to see this window again when programming select the 'Do not remind me again' tick box.

	Program and Configure
	Welcome to the ESCDRT program and configuration wizard. This wizard will guide you through the program and configuration process of ESCDRT products. Please click Next when you are ready to proceed.
	[Ready]] Search
	This will retrieve information from loggers and/or ChartReaders through the communication port(s) to allow you to configure the various settings.
	Please ensure all loggers are in an interface and/or ChartReaders are also connected to the communication port(s) of this computer.
	Press Next when ready to proceed
	Do not remind me again tick box.
(□ Do not remind me of this again
	Cancel K Bestart K Bestart

 The second window to appear is search screen. Once your software has located a logger the window will display the loggers' description, serial number and product code. To proceed select the 'Next' button.

Program and	Configure 🛛 🛛 🛛			
	The communication ports are now being checked for ESCORT products. You can elect the ESCORT products that you want to program and configure by putting a check in the box next to the entry. You may click Next when you are ready to continue.			
	Ready Search Details Startup Summary Program			
Description	Serial Num Product Code			
✓ I Stress	MIBF257143 MI-IN-D-2-LR8			
	Displays your loggers description, serial number and product code.			
	100% Search			
	Cancel K Restart K Back Next > Help			

 If your software is unable to locate a logger due to communication problems the following message will be displayed. Check all three bullet points displayed in this message.

Program and Configure	
You can select the ESC	s are now being checked for ESCORT products. ORT products that you want to program and neck in the box next to the entry. You may click yo continue
Ready [Search]	If communication errors occur check these three areas.
The software was unable to locate any products that Please check th Right CDM port number is ena Therface cable is securely connected Press the "Search" button below w Alternatively, you can press the "Cancel" button	e following: bled in EditOptions menu. nected to the COM port. to the respective interface. when you are ready to tw again.
	100% Search
Cancel K <u>R</u> estart	< <u>B</u> ack <u>N</u> ext> <u>H</u> elp

Password protection

If your logger has been issued a password to, your logger tick box will appear unchecked. If you select your loggers tick box the enter password box will appear.



Enter the password in the field provided and select the ' \mathbf{OK} ' button.

	Password Requ	ired 🛛 🔀
	Description:	Stress
	Serial Number:	MIBF257143
	Product Code:	MI-IN-D-2-LR8
Enter your logger password here	Password:	
	ОК	Cancel <u>H</u> elp

The next window to appear is the 'Details' window. Here you can add a description to your Intelligent Mini, alter your password settings, view your loggers temperature range, add high and low alarm settings, change temperature scale (°C or °F) and set the number of readings before an alarm is raised. After entering the relevant details click 'Next'.

Program an	d Configure				X
	Please supply the appropriate information for the ESCORT Mini logger, currently being programmed. Descriptions are useful for indicating when the logger(s) will be located or the transit identification codes. Specification values and alarm settings are useful for determining what and when readings are to be considered invalid or questionable. You in click Next when you are ready to continue.		icating where es. mining what		
	Re	eady Search	Details Start	up Summary Program	l
Description:	Stress			Change Pa	assword
Range	-40 to 70 °C	V	Show when the	e reading is out of specific	ation
Maximum	40.0 😴 🔽 Raise alarm on readings above maximum specification				
Minimum	0.0	0.0 😴 🔽 Raise alarm on readings below minimum specification			
Increment	0.5	0.5 Deactivate alarm by using the magnet			
Mode	Internal	- Ui	nits on the displa	y Celsius (*C	
Deactivate consecutive readings alarm if readings return within specifications					
Total number of out of specification readings before alarm activated					
Number of cor	nsecutive out of s	pecification re	adings before ala	arm raised	÷
	Cancel	k <u>R</u> estar	t <u>k</u> ack	: <u>N</u> ext>	<u>H</u> elp

Adding a password

It is possible to add a password to protect your logger upon programming and download. To enter a password first select the tick box for program and/or download and enter the designated password in the spaces provided.



 The next window to appear is the 'Startup' window. Here you are able to enter your logger's trip duration, logging interval and start finish conditions. Please make the required selections and select click the 'Next' button.

Program and Configure	X
	ropriate options to determine when the logger(s) recording their new set of readings.
Ready Search De	
Duration of trip, at least: User Defined	_
Interval between each reading:	days, 00:05 🔹
Start new log trip:	Finish log trip:
Wait 00:00 = after a switch start	After 1441 readings.
O In 0 🕂 days, 00:00 🛨	○ After 5 🔹 days, 00:00 ≑
C At 19/01/2006 4:12 p.m. ÷▼	C At 24/01/2006 4:12 p.m.
	C Continuous logging
Cancel K <u>R</u> estart	< <u>B</u> ack <u>N</u> ext> <u>H</u> elp

 The next window to appear is the 'Summary' window. Here you are given a brief summary of the condition in which you have programmed your logger with.

Note: In this screen your logger's battery status is displayed if your logger has an insufficient battery life for its trip duration your software will not allow the logger to be programmed.

Program and Configure			
The following is a summary of the program options that are about to be uploaded to the logger(s). Please click Next when you are ready to hav the new program settings uploaded to the logger(s).			hen you are ready to have
Description	Ready Search [
Stress	MIBF25		
	battery st	atus	
Name	Description	Range	Specifications
🗹 👃 External		-40 to 70 °C	0 to 40 °C
Logger will start after a switch finish logging when 1441 rea			every 5 Minutes, and will
Cancel	k <u>R</u> estart	< <u>B</u> ack Pro	ogram > <u>H</u> elp

8. DOWNLOADING A Intelligent Mini

- Start your computer and open your ESCORT Console software by selecting the ESCORT Console icon located on your desktop, or via the following menu options START > ALL PROGRAMS > ESCORT > CONSOLE.
- Select the Download icon from the Console taskbar, or select Action > Download from the dropdown menu or Control + D.



- The Download wizard will open and an information screen will appear. Click 'Next'.
- The next screen to appear is the search screen. If your logger is password protected the tick box will be empty. Select the tick box and the password window will appear. If the tick box is already checked click 'Next' (see next page).



password and click 'OK'.

	Password Required	
	Description: User Manual Serial Number: 0352-0033 Product Code: EI-IN-D-32-L	
Enter your logger		
password here	Password:	
	OK Cancel	Help

 The next screen to appear is the Download screen. Check that your logger details displayed within this screen are correct and click 'Next'.



 The next screen to appear is the Finish screen. Here you can enter new start commands. After entering the relevant start conditions click 'Finish'.

Download Readings	
	The readings have now been successfully downloaded. If you would like to select new start conditions for the ESCORT products that have just had their readings downloaded, select the appropriate option and click. Next when you are ready to continue. Otherwise, you may click Firish to were the downloaded readings or click Restart to download readings fror another device.
	Ready Search Download Finish
Logger options	
Do not upload any new	v start conditions to the logger(s)
🔿 Vait 🛛 00:00	🛨 after a magnetic start
C Start in: 00:02	÷
C Start at: 11/11/200	5 4:57:35 p.m. ÷▼
Set logger clock to the	same date and time of this computer.
ChartReader options	Enter new start condition and click Finish
Cance	el KRestart KBack Finish Help

9. PRINTING A FILE

 Select the Print icon from the Console taskbar, or select File > Print from the dropdown menu or Control + P.



- Print icon
- If you have several printers to choose from or want to change your printing preferences (e.g. change your printing layout from portrait to landscape), select File
 Print Setup or Control + R.
- To preview the layout of the file you are about select
 File > Print Preview or Control + V.

10. SAVING A FILE

 Select the Save icon from the Console taskbar, or select File > Save from the dropdown menu or Control + S.



Save icon

If required to save addition copies of a file select File
 Save As from the dropdown menu or Control + A.

11. OPENING A SAVED FILE

 Select the Open File icon from the Console taskbar, or select File > Open from the dropdown menu or Control + O.

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Open icon

The six most recently opened files are saved in a list located at the bottom of the file menu. You can open these files by selecting the correct filename from this list.



FURTHER INFORMATION

For further information please contact your local distributor or visit our website <u>www.escortdls.com</u>