

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   Legend Products Communications   Languages   Colours   Advanced	l
Communications Port (CDM1)	
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'.

ptions 🛛 🔰
General File   Date   Time   Time Zone   2D Graphs   Legend Products   Communications   Languages   Colours   Advanced
ESCORT Precision
BESCORT Junior  SCORT Mini 2000/Intelligent ChartReader  SCORT Mini 2000/Intelligent ChartReader
ESCORT Intelligent Mini
<b>↓</b>
OK Cancel Apply Help

## 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

 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 select 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
Stress	MIBF257143 MI-IN-D-2-LB8
	Displays your loggers description, serial number and product code.
	100% <u>S</u> earch
	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	X
The communication port You can select the ESC configure by putting a c Next when you are read	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 Nuteriase cable is securely cornected Press the Search' button below w Alternatively, you can press the Cancel button	R supports an the enabled communication ports, le following: bled in EditAOptions menu, nected to the CDM port, to the respective interface. When you are readule by again, te sheek your settings in Edit/Options menu.
	100% Search
Cancel K <u>R</u> estart	< Back Next > Help

#### **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 and Configure								
	Please supply the appropriate information for the ESCDRT 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 n click Next when you are ready to continue.			ogger(s) g where g what You may				
		Ready S	earch D	etails	Startup	Sum	mary Program	
Description:	Stress						Change Passwo	rd
Range	-40 to 70	С	M Sł	how whe	en the re-	ading	is out of specification	
Maximum	40.0	*	R R	aise alar	m on rea	dings	above maximum spec	cification
Minimum	0.0	*	R B	aise alar	m on rea	dings	below minimum speci	fication
Increment	0.5	*	E D	eactivat	e alarm b		ig the magnet	
Mode	Internal	Ŧ	Units	on the c	lisplay		Celsius (°C)	•
M Deactivate	e consecutive	readings ala	arm if read	dings ret	um withir	n spec	ifications	
Total number of out of specification readings before alarm activated								
Number of cor	nsecutive out	of specificat	ion readir	ngs befo	re alarm	raised	-	
	Cancel	K <u>E</u>	estart	<	<u>B</u> ack		<u>N</u> ext > <u>H</u>	lelp

#### 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
Please select the app should start and finish	opriate options to determine when the logger(s) recording their new set of readings.
Ready Search De	tails Startup Summary Program
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. 主 🗸	C At 24/01/2006 4:12 p.m. ÷▼
	C Continuous logging
Cancel <u>K R</u> estart	< Back Next > Help

 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.

-				$\times$
The following is a su uploaded to the logg the new program sel	immary of the pro ger(s). Please clic ttings uploaded to	gram options k Next wher ) the logger(s	s that are about to be nyou are ready to har s).	/e
Ready Search [	Details Startup	Summary	Program	_
MIDEOE	2142 MUN		OK 10	-
MID1 23	6 145 MININ	-b-z-cilia		
r battery st	tatus			
Description	Range		Specifications	
	-40 to 70 °C		0 to 40 °C	
h start has been det adings have been tak	ected, recording a ken.	a reading ev	ery 5 Minutes, and w	"
	The following is a su uploaded to the log; the new program se Ready Search I Serial N MIBF25 r battery Si Description	The following is a summary of the pro- uploaded to the logger[]. Please clic the new program settings uploaded to Serial Num Prode MIBF257143 MI-IN r battery status Description Range -40 to 70 °C -th start has been detected, recording a adings have been taken.	The following is a summary of the program option: uploaded to the logger(j) Please click Next wher the new program settings uploaded to the logger(j) Ready Search Details Startup Summary Serial Num Product Code MIBF257143 MHN-0-2LRB <b>r battery status</b> Description Range -40 to 70 °C ch statt has been detected, recording a reading ev addings have been taken.	The following is a summary of the program options that are about to be uploaded to the logger(i). Please click Next when you are ready to have the new program settings uploaded to the logger(s).       Ready    Search    Details    Statup    Summary    Program      Serial Num    Product Code    Battery    Trip      MIBF257143    MIND-24.R8    DK    10      r    battery    status    OK    10      c    r    battery    status    Second of the coording areading every 5 Minutes, and widdings have been taken.      k    Kestatt     gack    Erogram >    Help

## 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	<b>_</b>
	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. 🛨 🔻
D Set logger clock to the	same date and time of this computer.
ChartReader options —	Enter new start condition and click Finish

## 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>