

SDL 400S



USER MANUAL

for Windows & Mac

Links to mobile apps, printers and weighers.









Version 02.08.2016

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Getting started

The SDL400S stick reader comes complete with everything you need to get started.

- SDL stick reader
- Shearwell SDL Connect software
- Battery pack and four rechargeable AA batteries
- Mains battery charger
- Car adapter for battery charger



Turn the stick reader on and off

Press and release the green button once. The LCD screen will light up and display the start-up screen (version number and the battery level).

Turn off the stick reader by pressing and holding the green button for at least two seconds until the LCD screen shuts off. If the stick reader is left idle for five minutes it will turn itself off to conserve battery power. Shutdown time can be changed on the computer with *SDL Connect > Stick Configuration*

Warning: The Shearwell label above the display should NOT be removed! The serial number, product codes and Bluetooth address are printed on the back. Removal of the label will void any warranty.

Battery information

The stick reader comes with four AA rechargeable batteries. Standard AA batteries can also be used.

Inserting batteries

Note: You will not lose your data when you remove the battery pack.

- 1. Open the stick reader by unscrewing the end of the red or blue handle. Use the white loop to pull out the battery pack.
- 2. Insert the batteries into the holder ensuring the positive and negative markings (+ / -) on the batteries match up with the (+ / -) on the holder.
- 3. Insert the battery pack with the green arrow and green circle facing the same direction as the green button on the reader. Ensure that the battery pack is aligned with the grooves inside the stick reader.
- 4. Replace the end of the reader by screwing the cap on. *Warning: Do not over-tighten the battery cap as this could damage the thread.*





Check the battery level

The battery level indicator shows very briefly on the start-up screen when the stick reader is turned on. To check the level of the batteries when the stick reader is turned on, first turn it off, then turn it back on to see the start-up screen.

The stick reader should operate for at least eight hours on a fully charged set of batteries. For the first several hours the battery indicator will show *Good*. When the battery indicator first shows *Low* you should still have one or two hours of use left, but should plan to recharge or replace the batteries soon. A sign the batteries are getting low is the stick reader is unable to maintain a Bluetooth link to a printer or weigher. When the indicator shows *Empty* the batteries should be recharged or replaced immediately.

Shearwell Version Battery Good

Shearwell Version Battery Low Shearwell Version Battery Empty

Charging the batteries

Use the supplied battery charger to recharge the batteries. The mains and car adapter for charging the stick reader batteries are labelled "Battery Charger". Place the batteries in the charger, ensuring that the positive and negative markings (+ / -) on the batteries match up with the (+ / -) on the charger. Charging the supplied batteries from flat to full should take about four hours.

The mains and car adapter for charging the printer are labelled "Printer Charger". Be careful not to confuse the battery charger and printer charger leads because you could damage them by using the wrong adapter!

WARNING: If you are using a Bluetooth printer with a stick reader be sure to use the correct adapter for each when re-charging. Shearwell Data Ltd. will not be liable for damage caused by failure to use the correct charger.

Reading tags

Turn on the stick reader. Press and release the green button once. You don't need to hold the button down. The stick reader will begin to scan for an EID. For information on Rapid Read mode see page 7.



EID found

If an EID is within range the light ring at the end of the stick reader will flash green and a short 'beep' will be heard. The EID number will show on the LCD screen and be stored in the memory. The group count will be increased by one. The stick reader is ready to scan for another EID - press the green button once to start scanning again.

UK0123456 08863 Grp=A Count=1

EID not found

If the stick reader scans but no EID is found the screen will display *No EID found*. The light ring will glow red and a different long 'beep' will signal a failed read.

No EID found Grp=A Count=0

EID already stored in memory

If the same EID tag is read more than once, the screen will briefly display the message *Already saved*. The light ring will flash red and a short beep will indicate that this number is already stored in memory for this group. The second 'read' is not stored and the count is not increased.

If the same EID tag is scanned in a <u>different</u> group the stick reader will treat it as a new number and record it as an EID found.

UK0123456 08863 Already saved... UK0123456 08863 Grp=B Count=3

Note: This information is for individual reading, not Rapid Read mode. Learn about Rapid Read mode in the Menu Option section on page 7.

Menu options

The menu is a list of options for changing the way the stick reader functions. The menu is only accessible when the stick reader is turned on.

- 1. Turn off the stick reader by holding down the green button.
- 2. With the stick reader off, press and hold down the green button. Continue holding down the green button to view all the menu options.
- 3. Release the green button to make a selection.
- 4. To exit the menu without making changes and return to scanning, wait for the *Cancel* option and release the green button.

Menu options

Your own stick reader may not have every option listed here.



New group

Animals are always recorded into a group. The default group is "A" but you can create different groups beyond that, named in alphabetical order. However, only one group is active at a time, so once you create a new group you can not go back to a previous group unless you erase your latest group by using the *Erase last grp* option from the menu.

Print options are available if the stick reader is linked to a Bluetooth printer. See page 18.



```
Are you sure?
Press to erase
```

Erase last group

When a grouping of animals is no longer wanted, erase the group and all the EID numbers stored inside it will be deleted. This will result in the previous group becoming the active group.

Select *Erase last grp* from the menu. Confirm by pushing the green button again before the end of the countdown. If you do not push the green button before the end of the countdown the action will be canceled.





Erase all tags

This function deletes all the EID numbers stored in memory. The stick reader software can store thousands of EID numbers but the more tag numbers in storage, the slower the process of scanning and saving each tag. Once you have exported or printed tag numbers it's advisable to delete them. Erasing all tags also allows animals to be re-scanned and their EID number saved again.

Select *Erase all tags* from the menu. Confirm by pushing the green button again before the end of the countdown. If you do not push the green button before the end of the countdown the action will be canceled.

Menu options



Memory disabled Press to read...

Disable memory

Disabling the memory allows tags to be scanned and the number displayed but the EID is not stored.

Select *Disable memory* from the menu. To re-enable memory after disabling it, select the *Enable memory* option from the menu.

Rapid read on?

Rapid read off?

Rapid Read mode

When set to **Rapid Read** there is no need to press the green button for every animal - the stick reader will be constantly scanning for tags. The stick reader will look for new tags continuously for up to 12 seconds. If no tags are detected in that 12 seconds, the stick reader gives a long beep, stops scanning and goes on standby to conserve battery power. Press the green button again to start scanning again.

Select **Rapid read on** from the menu to change from **Press to Read** to **Rapid Read**. Press and release the green button once and the stick reader will be constantly scanning for tags. Press the green button a second time to stop scanning. To disable rapid read mode and return to individual read, select **Rapid read off** from the menu. Note that the stick reader remembers the last mode selected when it was turned off and will start in that mode when next turned on.



Cancel

This option will close the menu without any changes to the settings.

Link to weigher?

Link to weigher

This option is available if the stick reader is configured to link to a Bluetooth weigh head. See page 28.

Print options are only available if the stick reader is linked to a Bluetooth printer. See page 26.

Add a Bluetooth adapter to your Windows computer

The stick reader can be wirelessly connected to a computer using Bluetooth. EID numbers stored on the stick reader can then be imported into the computer, using the special software provided. If your Windows computer does not already have Bluetooth capabilities then Shearwell Data Ltd. recommends a Bluetooth adapter from Belkin. These can be supplied on request.

Bluetooth is often indicated by this symbol.



Install Belkin Mini Bluetooth adaptor - Autoplay

- 1. Insert the Belkin CD into your computer. If the Autoplay screen appears select *Autorun.exe*.
- 2. When the Belkin installation screen opens, plug the Bluetooth adapter into a USB port on your computer.
- 3. On the installation screen click on *Install* and follow the instructions.



Install Belkin Mini Bluetooth adaptor through Windows Explorer

- 1. Insert the Belkin CD into your computer.
- 2. Find the Windows icon or the *Start* button in the bottom right-hand corner of your computer screen.
- 3. Left-click with your mouse on the *Start* button. Right-click on *Windows Explorer*.
- 4. On the left, under *Computer*, find the CD in the DVD drive.
- 5. Left-click on the CD to view its contents.



6. Select Autorun.



Install the software - Windows

The software program for connecting your stick reader to your computer is called **SDL Connect**. Install this software on your computer from the CD or website before you start scanning tags. The software allows you to transfer information between the stick reader and your PC. Being able to connect your stick reader to your PC is useful even if you are only planning to link your stick to a mobile printer. Changing configurations and keeping the date and time correct are all done through the computer software.

We recommend all other programs on your computer be closed before you start the installation process.

- Insert the SDL Connect software CD into your computer. The AutoPlay window should open. Click on Install SDLConnect. If the Autoplay window does not open automatically, open the CD with Windows Explorer (see page 8) to view the files and select SDLConnectSetup.exe
- 2. Select the language you prefer for the installation process. This will NOT change the language in the SDL Connect program only the language used for the setup procedure.

Select Setup Language

English

Select Setup Language

English

Español Nederlands

Português (Portugal

1

1

Select the language to use during the installation:

Select the language to use during the installation:

OK Cancel

•

3. On the *Select Destination* screen - leave as is, click on *Next*.



4. On the *Ready to Install* screen, click on *Install*.





- 5. Click *Finish* to exit the setup program.
- 6. An SDL Connect icon is now on your computer desktop as a link to open the program.



Install the software - Mac

The software for connecting your stick reader to your computer is called **SDL Connect**. It works on Mac OS X 10.9 or later. The software allows you to transfer information between the stick reader and your computer. Being able to connect your stick reader to your computer is useful even if you are only planning to link your stick to a mobile printer. Changing configurations and keeping the date and time correct are all done through the computer software.

Note: Your stick reader must be fully charged to make a Bluetooth connection.



Install from the App Store

- 1. Click on the App Store icon to open.
- 2. In the search box type in *Shearwell*. Hit the *<Enter>* key or click the magnifying glass icon to search.
- 3. Find *SDL Connect* in the search results. Click *Get*.



- 4. Click Install App.
- 5. Enter your Apple ID and password if prompted. The program will be installed on your computer.
- 6. Click **Open** to start using the program.



Make a Bluetooth connection - Windows

Windows 7, Windows 8 and Windows 10

- 1. Turn on the stick reader.
- 2. In the Control Panel open *Devices and Printers*. Select *Add a Device*. Or click the Bluetooth icon on the bottom right-hand corner of your computer screen and select *Add a Device*.



3. Your PC will start searching for Bluetooth signals. When it's finished scanning, the window will show a list of available devices.



 Look on the back of your stick reader for a label with its Bluetooth name - it will start SDL440S, followed by another four digits. For example: SDL400S 1234



Make a Bluetooth connection - Windows

5. Find your stick reader's Bluetooth name on the screen and select it. Click Pair.



6. On the next screen type in the pairing code **1111**. Click **Next**.

Enter the passcode for yo	ur device
Enter the p	basscode for your device
 []	You can find the passcode on your SDL400S-1524 or in the info that came with it.
	Next Cancel

- 7. Allow time for Windows to install the software drivers.
- 8. When the stick reader has been successfully paired click on the link to *More Bluetooth Options* (*Windows 10*) or *Devices and Printers (Windows 7*).

← Settings	
🐯 DEVICES	
Printers & scanners	Manage Bluetooth devices
Connected devices	Your PC is searching for and can be discovered by Bluetooth
Bluetooth	devices.
Mouse & touchpad	SDL400S-1524 Paired
Typing	Related settings
AutoPlay	More Bluetooth options
USB	Send or receive files via Bluetooth

Make a Bluetooth connection - Windows

9. For Windows 7 Look on the *Services* tab. Make a note of the Serial (COM) port number which will be required when you connect to the stick reader software.

SDL400S-1949 Pr	operties	23
General Hardware	Services Bl.etooth	
This Blue service, s	tooth device offers the following services. To use a elect the check box.	
Bluetooth Service	8	— II
Serial port (SP	P) 'AT Serial' COM3	

10. For Windows 10 Look on the *Com Ports* tab. Make a note of the Outgoing Serial (COM) port number which will be required when you connect to the stick reader software. Click OK to exit.

*	Bluetooth Se	ettings		×
0	ptions COM P	Ports Hardware	e	
	This PC is usin whether you with your Blu	ng the COM (s need a COM p etooth device.	erial) ports listed below. To determine ort, read the documentation that came	
	Port	Direction	Name	
	COM3	Outgoing	SDL400S-1524 'AT Serial'	
	COM4	Incoming	SDL400S-1524	
			Add., Remove	
			<u>Notice</u>	
			OK Cancel App	dy

Make a Bluetooth connection - Mac

- 1. Turn on the stick reader.
- 2. Open *SDL Connect* on your computer.
- 3. Click on *Choose Reader*.

Choose Reader Chosen	Reader:		
Read Tags from Stick	Erase Ta	gs from Stick	Configure Stick
Тас	g Read Option	Tag File Options	London and
Sort them into order Include group labels	was read	All tags Selected tags	TextEdit Numbers Clipboard

4. Look on the back of your stick reader for a label with its Bluetooth name - it will start SDL440S, followed by another four digits. For example: SDL440S 1234



5. Click on your stick reader's Bluetooth name on the screen. Click *Select*.

	Select Bluetooth Device Select a Bluetooth device from the list of d	devices. If your device is not found make sur
Devices		3
🚯 s	DL400S-2772	Pair
		-

Make a Bluetooth connection - Mac

1. If you are asked for a passcode type in 1111. Click *Pair*.

	Pairing Requ	uest from: SDL4	00S-2772
-	Pairing Request fro	m: SDL400S-27	772
8	Please enter a passcode	e to use with this d	evice.
	To complete pairing with passcode. Passcodes a remembered. The same and the remote Bluetoot	n another Bluetooth re only used once, passcode needs to th device.	and they do not need to enter a and they do not need to be be entered on both the computer
	Passcode:	••••	
Ignore	e this Device		Cancel Pair

2. The stick reader connection will show on the **SDL Connect** screen.

Chose header Chosen	Header. SDL40	103-2112	
Read Tags from Stick	Erase Tag	s from Stick	Configure Stick
Tag When reading tags from the stick	g Read Options	Tag File Options	Load tags in:
 Sort them into order Include group labels Include the time the tag 	was read	All tags Selected tags	TextEdit Numbers Clipboard

Open SDL Connect - Windows

- 1. Switch on the stick reader and check the battery level is good. Establish the Bluetooth link with the computer before you open *SDL Connect*.
- If you forgot to record your COM port number earlier, go to *Control Panel>Devices and Printers*. Find your stick reader's Bluetooth name on the list. Right-click with your mouse on the stick reader's name. Left click your mouse on *Properties*. Look on the tab called *Services* to see the COM port number. Write it down!





- 3. Double-click the *SDL Connect* icon on your computer desktop to start. The software will open.
- 4. Click on the COM port dropdown list on the right side of the screen. Select the COM port number you recorded earlier. When a successful connection is made the buttons that were greyed out will become active. The stick reader software has now been successfully installed and you will not need to enter your COM port number again.

🖉 SDLConnect v1.5.4 © 2009	- 2015 Shearwell Data Ltd.			
If you have not yet enabled the Blu to your PC please do so now and to to which it is connected from the lis please click the Refresh COM Port	ietooth connection from your SDL40 um the stick reader on. Then select i st alongside. If the COM port is not sh List button.	0S stick reader the COM port iowing in the list	COM9 COM4 COM6 COM8 COM9 COM10	Refresh COM Port List
Read Tags from Stick	Erase Tags from Stick	Configure Stick		Select the correct COM port off the dropdown list.
Show Tag File Options Show Tag Read Options				

Open SDL Connect - Mac

- 1. Switch on the stick reader and check the battery level is good.
- 2. Click on the SDL Connect icon if there is a shortcut on your desktop.



SDLConnect

3. If there is no desktop shortcut, open *Finder*, click on *Applications* and select **SDL Connect**.



4. If your stick reader is not connected, highlight it and click *Select*.

	Select Bluetooth Device Select a Bluetooth device from the list o it is "discoverable"	f devices. If your device is not found make
Devices		5.
*	DL400S-2772 ot Connected	8
-		
		Canaal

Options for downloading - Windows

EID numbers stored on the stick reader can be downloaded into your computer using the supplied software. Before you start, click on *Show Tag Read Options* to set your preferences. Click *Hide Tag Read Options* to close the option screen.



SDLConnect v1.5.4 © 200	9 - 2015 Shearwell Data Ltd.		
Read Tags from Stick	Erase Tags from Stick	Configure Stick	Exit
Show Tag File Options			
Hide Tag Read Options	When reading tags from the stick Sort them into order Include group labels Include the time the tag was read	 Tags to save All tags Selected tags 	Load tags in: Notepad Excel Windows clipboard

Tag read options

When reading tags from the stick ...

- Sort them into order means arranging the numbers from lowest to highest tag number.
- Include group labels means show the group (Ex. Group A, Group B, Group C, etc.).
- Include the time the tag was scanned means show the date and time each tag was scanned.

Options for downloading - Windows

Tags to save

- All tags from stick means show all the groups and all the tags.
- Selected tags from stick means you can select a specific group and then select which tag numbers in that group.





Load tags in:

- **Notepad** means a text file that can also be saved as a CSV (comma separated values) file that is easily imported into a spreadsheet or a database application.
- **Excel** means as a spreadsheet in Microsoft Excel. Note: The program detects whether Excel is installed on your computer. If it is not installed then Notepad is the default.
- Windows Clipboard means the selected tag numbers are copied and ready to paste into a holding register or animal movement document, such as for the NLMD-LT or the Animal Reporting and Movement Service (ARAMS). Numbers on the clipboard can be pasted into any Windows program.

	Home Inser	t Pa	ge Layout	Formulas	Data	Review	View A
	A1	• (9	f _x	Tag or EID			
	A	В		с	D	E	F
1	Tag or EID	Group	D	ate/Time			
2	UK0244220 12474	A	2013-09	-17 7:22:45 AM			
3	UK0244220 12475	А	2013-09	-17 7:22:45 AM			
4	UK0244220 12476	A	2013-09	-17 7:22:43 AM			
5	UK0244220 12685	A	2013-09	-17 7:22:44 AM			
6	0940000002138896	в	2013-09	-17 7:24:14 AM			
7	094000002152586	В	2013-09	-17 7:24:15 AM			

MS Excel format

Windows	clipboard	format
---------	-----------	--------

0826024422015281, A, 21/02/2014 9:26:45 AM 0826024422019012, A, 21/02/2014 9:26:45 AM 0826024422019027, A, 21/02/2014 9:26:43 AM 0826024422019077, A, 21/02/2014 9:26:45 AM 0826024422030386, A, 21/02/2014 9:26:44 AM Total for group A: 5

Total: 5

Notepad format

/Tag import 20)13-09-17 7:26	:31 AM for group				
File Edit Format	t View Help					
0940000021 0940000021 0940000021 0940000022 09400000022 09400000021 Total for gr	88896, B, 52586, B, 53680, B, 23925, B, 58955, B, roup B: 5	2013-09-17 2013-09-17 2013-09-17 2013-09-17 2013-09-17 2013-09-17	7:24:14 AM 7:24:15 AM 7:24:16 AM 7:24:18 AM 7:24:19 AM		Á	
	// Tag impor	2013-09-17 7:2	6:31 AM for grou	ip A		
	File Edit For	mat View Help				
	UK0244220 UK0244220 UK0244220 UK0244220 Total for	12476, A, 12685, A, 12474, A, 12475, A, group A: 4	2013-09-17 2013-09-17 2013-09-17 2013-09-17	7:22:43 7:22:44 7:22:45 7:22:45	AM AM AM AM	X

Download tag numbers - Windows

Download EID numbers

- 1. Turn on the stick reader and ensure it has a Bluetooth link to your computer.
- 2. Click on the *SDL Connect* shortcut icon on your desktop. The software will open and the blue light on the stick reader will flash as they connect.
- 3. Select options for downloading by clicking on the *Show Tag Read Options* button.
- 4. Click *Read Tags from Stick*.
- 5. If viewing the numbers in an Excel or Notepad format you can save the data. Go to *File > Save As*, name the file and select a location.

SDLConnect v1.5.4 © 200	9 - 2015 Shearwell Data Ltd.		
Read Tags from Stick	Erase Tags from Stick	Configure Stick	Exit
Show Tag File Options Tag Read Options	Villeon reading togs from the stick	Tagala anus	Lord tops in
	When reading tags from the stick	l ags to save	Load tags in:

Erase tag numbers from the stick reader

Downloading tags into the computer does not remove the numbers from the stick reader's memory. To erase tags, you can click on the *Erase Tags* button, and then click *Yes* to confirm. You can also erase tags on the stick reader itself - select *Erase Tags* as a menu option when you turn on the stick reader.

SDLConnect v1.5.4 © 2009	- 2015 Shearwell Data Ltd.		
Read Tags from Stick	Erase Tags from Stick	Configure Stick	Exit
Show Tag File Options			
Show Tag Read Options			

Options for downloading - Mac

EID numbers stored on the stick reader can be downloaded into your computer using *SDL Connect*. Before you start click on *Tag Read Options* to set your preferences.

Tag read options

When reading tags from the stick...

- Sort them into order means arranging the numbers from lowest to highest tag number.
- Include group labels means show the group (Ex. Group A, Group B, Group C, etc.).
- Include the time the tag was scanned means show the date and time each tag was scanned.

Cilose	Theader. ODL4000-2172	
Read Tags from Stick	Erase Tags from Stick	Configure Stick
Ta Vhe meading tags from the stick	g Read Options Tag File Option	S Load tags in:
 Sort them into order Include group labels 	All tags Selected tags	TextEdit Numbers Clipboard

Tags to save

- All tags from stick means show all the groups and all the tags.
- **Selected tags from stick** means you can select a specific group, open the group, and then select individual tag numbers in that group.

Read Tags from Stick	Erase Tags from Stick	Configure Stick	
Tag When reading tags from the stick	Read Options Tao File Option Tags to save:	s Load tags in:	
Sort them into order	All tags Selected tags	O TextEdit Numbers Clipboard	
Include the time the tag	was read		
		► C A ► C B ► C Tick any of t ► E ► C Select spec	he boxes to ific groups

Options for downloading - Mac

Load tags in:

- **TextEdit** means a text file that can also be saved as a CSV (comma separated values) file that is easily imported into a spreadsheet or a database application.
- **Numbers** means as a spreadsheet in iWorks. Note: The program detects whether Numbers is installed on your computer. If it is not installed then TextEdit is the default.
- **Clipboard** means the selected tag numbers are copied and ready to paste into a holding register or animal movement document. Numbers on the clipboard can be pasted into another program.

Choose Reader Chosen	Reader: SDL4	00S-2772	
Read Tags from Stick	Erase Tag	s from Stick	Configure Stick
Ta	g Read Options	Tag File Options	
When reading tags from the stick	a t	Tags to save:	Load tags in:
Sort them into order Include group labels	was read	All tags Selected tags	• TextEdit Numbers Clipboard

TextEdit format



Numbers format



Tag or EID	Group	Date/Tine
093700000151987	А	22/4/15 17:02:47
094010000098891	А	23/4/15 16:57:55
0940100000265374	A	23/4/15 16:57:56
0940100000269741	A	23/4/15 16:57:46
0940100000269745	A	23/4/15 16:57:54

Clipboard format - paste into other programs

LIVESTOCK TRACING	- Marian	A COLOR DE COLOR	User: rich Working h	ardtest@nimd.co.u nolding: 36/104/008	k 7, Sheep Logout
НОМЕ	MANAGE ANIMALS	MANAGE HOLDINGS	REQUEST	REPORTS	MY DETAILS
Move Animals This is the second step in recording a movement. We need to type in either the RFID numbers or the visual tag numbers of the animals you want to transfer or better, copy and paste the information from your EID reader file. Wiew help recording a movement with document	MOVEMENT ANIMALS Individual Identified Ani Enter list of individual identified 0937000000151987 0940100000268374 0940100000268374 0940100000268745 0940100000268745 0940100000268745 0940100000268745 0940100000268745	mais	TRANSPORT	Select	COMPLETE Management Group

Download tags numbers - Mac

Download EID numbers

- 1. Turn on the stick reader and ensure it has a Bluetooth link to your computer.
- 2. Click on the *SDL Connect* shortcut icon on your desktop to open the software.
- 3. Select options for downloading by clicking on the *Tag Read Options* button.
- 4. Click *Read Tags from Stick*.
- 5. If viewing the numbers in a TextEdit or Numbers format you can save the data. Go to *File > Save As*, name the file and select a location.

Choose Reader Chosen I	Reader: SDL40	08-2772	
Read Tags from Stick	Erase Tags	from Stick	Configure Stick
Тад	Read Options	Tag File Option	s
When reading tags from the stick:	Т	ags to save:	Load tags in:
Sort them into order		All tags	 TextEdit
Include group labels		 Selected tags 	Numbers
Include the time the tag v	vas read		Clipboard

Erase tag numbers from the stick reader

Downloading tags into the computer does not remove the numbers from the stick reader's memory. To erase tags, you can click on the *Erase Tags* button, and then click *Yes* to confirm. You can also erase tags on the stick reader itself - select *Erase Tags* as a menu option when you turn on the stick reader.

Read Tags from Stick	e Tags from Stick	Configure Stick
Tag Read O	ptions Tag File Options	
hen reading tags from the stick:	Tags to save:	Load tags in:
Sort them into order Include group labels Include the time the tag was read	 All tags Selected tags 	TextEdit Numbers Clipboard
This will e stick.	rase all animal data store	ed on the

Configure the stick reader - Windows

To save your changes click on *Save Configuration*. To cancel and exit click on *Quit*.

Firmware Version

This is the current software version number on the stick reader.

Serial Number

This is the stick reader's serial number. This is also printed on the Shearwell label on the back of the stick reader.



Scan time (seconds) from 1 to 10

This is the length of time the stick reader will search for an EID tag before giving a failed read signal. Type in a scan time from 1 to 10 seconds. The default time is 4 seconds.

Shutdown Time (minutes) from 1 to 10

This is the length of time the stick reader will be inactive before it shuts off automatically. Type in a shutdown time from 1 to 10 minutes. The default time is 5 minutes.

EID Display Format

This is how EID numbers are shown on the stick reader's display screen. This also controls how EID numbers will appear in print-outs. *Tag Lookup* is the format when a tag (bucket) file is loaded. For more information see page 22 - *Tag File Options* and page 26 - *EID Options*.

EID Output Format

This is the format for information the stick reader sends to any connected Bluetooth device, such as a printer or weigh head. Instructions for linking those devices will indicate what format they require. *Tag Lookup* is the format when a tag (bucket) file is loaded. For more information see page 22 - *Tag File Options* and page 26 - *EID Options*.

Save Readings to Stick Memory

This is the same as *Disable Memory* on the stick reader menu. Select *No* to disable the memory; select *Yes* to enable the memory.

Language

Select a language for the display. The computer must also have the *Control Panel > Region and Language* options set to the same language.

Continuous Read Mode

This is the same as the Rapid Read option on the stick reader's menu. The stick reader will scan continuously for EID tags without the user pushing the green button for each animal. If no tags are found, the stick reader will stop scanning after 12 seconds. *Press to Read* means the stick reader scans for a tag only when the green button is pushed; when a tag is read the green button must be pushed again to scan for another tag.

Continuous Read Timeout (seconds) 1 to 30

This is the length of time the stick reader will scan for tags in Continuous Read mode. If no tags are detected in this time then the stick reader will give a long beep and stop scanning. The default time is 12 seconds. Type in a scan time from 1 to 30 seconds.

For printer options see page 26 - Link to a Mobile Printer.

Configure the stick reader - Mac

Details

Firmware Version

This is the current software version number on the stick reader.

Serial Number

This is the stick reader's serial number. This is also printed on the Shearwell label on the back of the stick reader.

Language

This will set the language on the stick reader screen.

Settings

Scan time (seconds) from 1 to 10

This is the length of time the stick reader will search for an EID tag before giving a failed read signal. Type in a scan time from 1 to 10 seconds. The default time is 4 seconds.

Shutdown Time (minutes) from 1 to 10

This is the length of time the stick reader will be inactive before it shuts off automatically. Type in a shutdown time from 1 to 10 minutes. The default time is 5 minutes.

EID Display Format

This is how EID numbers are shown on the stick reader's display screen. This also controls how EID numbers will appear in print-outs. *Tag Lookup* is the format when a tag (bucket) file is loaded. For more information see page 22 - *Tag File Options* and page 26 - *EID Options*.

EID Output Format

This is the format for information the stick reader sends to any connected Bluetooth device, such as a printer or weigh head. Instructions for linking those devices will indicate what format they require. *Tag Lookup* is the format when a tag (bucket) file is loaded. For more information see page 20 - *Tag File Options* and or *EID Options* in the Windows manual.

Save Readings to Stick Memory

This is the same as *Disable Memory* on the stick reader menu. Select *No* to disable the memory; select *Yes* to enable the memory.

Continuous Read Mode

This is the same as the Rapid Read option on the stick reader's menu. The stick reader will scan continuously for EID tags without the user pushing the green button for each animal. If no tags are found, the stick reader will stop scanning after 12 seconds.

Continuous Read Timeout (seconds) 1 to 30

This is the length of time the stick reader will scan for tags in Continuous Read mode. If no tags are detected in this time then the stick reader will give a long beep and stop scanning. The default time is 12 seconds. Type in a scan time from 1 to 30 seconds.





Link to a mobile printer

The stick reader is fully compatible with a thermal Bluetooth printer. The mobile printer recommended and supplied by Shearwell is an Able Systems AP1300BT.



Printer on and off

Press the power button once to turn the printer on. The printer turns itself off automatically if it has not been used for a few minutes. You can turn the printer off manually by opening the cover and double-clicking the power button.

Battery charging

The battery can be recharged using either the mains charger or the car charger supplied. Charging the printer battery from flat to full should take about three hours.

Indicator light Steady green = Normal operation Long green, short red = Battery is low Short green, long orange = Battery charging

WARNING: Use the correct adapter for charging the printer. Do not confuse the stick reader battery chargers with the printer chargers. The mains and car charger for the printer are labelled **Printer Charger.**

Paper roll installation

Blinking red = Error

To insert a new roll of paper, slide the catch down and away from the paper slot. The cover for the paper container will release and open. Remove the old paper core and insert a new roll of paper.



Link to a mobile printer

Printer and stick reader combination

When a stick reader and printer are purchased as a bundle they will come from Shearwell with the Bluetooth link already established. A label on the underside of the printer confirms your stick reader is linked. Print options will not be displayed on your stick reader's menu if it is not linked to a printer.

New connections

To establish a new printer link, or if you wish to link an existing printer to an alternative stick reader, you must have already completed the earlier steps for installing Bluetooth and the stick reader software on your computer. (See pages 8 to 12.) Once the stick reader is linked to the software on the computer a new connection to the printer is made through the **Configure Stick** screen on the PC.



- 1. Turn on the stick reader.
- 2. Open the SDL Connect software. Click on *Configure Stick*.
- 3. For a Windows computer, scroll down to find the *Printer Type* field. Select AP1300BT.
- 4. For a Mac computer, click *Configure stick > Peripherals*



- 5. Turn on the printer by pressing the power button. The indicator light will glow green.
- 6. Press and release the power button twice, in quick succession. This will cause the printer to print out a test strip.
- 7. On the test strip, find the MAC Address. This 12 character code is the printer's Bluetooth ID.
- 8. On the *Configure Stick* screen on the computer find the field *Printer Bluetooth ID* and type in the MAC Address from the test strip.
- 9. Click *Save Configuration*. The blue light on the stick reader will flash as the two connect.

Detail Settings Peripherals
Printer Type:AP1300BT \$Label Printing Allowed:

Configure printer options - Windows

The *Configure Stick* window on your Windows computer software includes many of the same options as the menu on the stick reader. To save your changes click on *Save Configuration*. To cancel and exit click on *Quit*.

🛎 Stick Reader Configuration	_ 0	×د
Configuration (use the scrollbar on the right to view all configuration items) Language English	-	•
Continuous Read Mode Press to Read	•	
Continuous Read Mode Timeout (seconds) from 1 to 30 12		
Printer Type AP1300BT	•	
Label Printing Allowed No	•	
Label Printing On No	•	
Print in Order Print as read	•	
Printer Bluetooth ID 000780548F06		
Weigher Bluetooth ID 0000000000		Ţ
Save Configuration Quit		

Label Printing Allowed

The *Print label* menu option is only available on the stick reader when the *Configure Stick* option is set to *Yes*.

Label printing is a specialized function so the default is set to No.

Label Printer On

If Label Printing is allowed, then the actual label printing function can be turned on or off by selecting **Yes** or **No**. This option activates the Bluetooth printer after each animal is scanned - a label of each EID number is printed after each tag is read.

Print in Order

EID numbers will be printed in numerical order.

Please note: Printing will be slower when this is selected.

Please note: *Print Order* does not work if the EID display option is set to *Tag Lookup*.

Configure printer options - Mac

The *Configure Stick* window on your Mac computer software includes many of the same options as the menu on the stick reader. To save your changes click on *Save*. To cancel and exit click on *Cancel*.

Detail	Settings Peripherals
Printer Type:	AP1300BT ≎
Label Printing Allowed:	
Label Printing On:	
Print in Order:	Print in order ᅌ
Printer Bluetooth ID:	000780087934
Weigher Bluetooth ID:	0000000000
	Save Cancel

Peripherals

Printer Type

The default setting is AP1300BT. This is the mobile Bluetooth printer supplied by Shearwell.

Label Printer Allowed

Label printing is a specialized function so the default setting is unticked.

Label Printer On

If Label Printing is allowed, then the actual label printing function can be turned on or off by selecting **Yes** or **No**. This option activates the Bluetooth printer after each animal is scanned - a label of each EID number is printed after each tag is read.

Print in Order

EID numbers can be printed in numerical order or in the order the tags were read. Note: Printing will be slower when *Print in order* is selected. Note: *Print in order* does not work if the EID display option is set to *Tag Lookup*.

Printer Bluetooth ID

This is the MAC address of the Bluetooth printer you want to link to your stick reader. See page 27 for how to find your printer's Mac address.

Print options on the stick reader

A stick reader linked to a mobile printer will display print options on the stick menu. The format of the EID numbers depends on the settings you choose on the *Configure Stick* program on the computer.

- 1. Turn on the printer and make sure there is sufficient paper loaded.
- 2. Turn on the stick reader by pressing and holding the green button to see all the menu options.
- 3. Release the button to make a selection from the menu.



Print order on

EID numbers are printed in numerical order. To change back to print EID numbers in the order they were read select *Print order off*.



Print Group

This prints all the EID numbers in the current group.



Print all groups

This prints all the EID numbers divided into groups. No print out will be produced if Group A = 0 animals.



Print barcode

EIDs are shown as both numbers and barcodes.



Print labels

This option is only available when the stick reader is configured *Label Printing Allowed*. After each animal is scanned the printer prints the EID number and the matching barcode. If the EID Format is set to Tag Lookup then that number will appear underneath the barcode.

EID Tag Formats

Definitions

WYSIWYG Tags

- "What You See Is What You Get". A 'WYSIWYG' tag has an electronic number (EID) that is the same as the number printed on the outside of the tag.
- UK sheep born after Jan 1, 2010 must have an official WYSIWYG tag.
- "Slaughter tags" are also WYSIWYG, although only the flock mark is visible on the outside.

Non-WYSIWYG Tags

- A tag with an electronic number (EID) that is different than the number printed on the outside of the tag.
- A tag file is for non-WYSIWYG tags a cross-reference between the EID inside the tag and the number printed on the outside.

Stick reader EID format options

Some countries and equipment manufacturers require EID numbers to be transmitted in a specific format. The SDL400S stick reader is able to transmit EID numbers in various formats. Changes to the EID format are

made through the *Configure Stick* function on the computer software.

UK WYSIWYG (Sheep)

- Displays UK, followed by a space and the 7-digit flock number, followed by a space and the 5-digit individual animal number.
- The stick reader set to UK WYSIWYG will display non-UK tags in decimal format.

Decimal

Displays the full 16-digit EID number

Tag Lookup

- Used with a tag file for non-WYSIWYG tags.
- The EID number programmed into the tag microchip is cross referenced to another number that will be displayed when the tag is scanned.

ISO Decimal

- The EID number is shown, minus the first 0 of the country code and with a space between the country code and the remaining 12 digits.

Full ISO

- The screen will alternate between the 15-digit EID number and six additional digits that are the retag counter, the species identifier and three reserved digits.

Hexadecimal

- All the information on the microchip are displayed in hexadecimal on screen , including the retag counter, species identifier and the three reserved digits.

Working with tag files - Windows

- A 'WYSIWYG' tag has an electronic number (EID) that is the same as the number printed on the outside of the tag.
- A 'non-WYSIWYG' tag has an electronic number (EID) that is different than the number printed on the outside of the tag.
- A tag file is for non-WYSIWYG tags a cross-reference between the EID inside the tag and the number printed on the outside.
- A tag file loaded into the stick reader software allows the stick reader to display the outside number instead of the internal EID number. Your tag manufacturer will supply this file for you when you purchase non-WYSIWYG tags. Learn more about EID and tag formats on page 22 *EID Options*

To load a tag file onto your stick reader:

- 1. Turn on the stick reader.
- 2. Open *SDL Connect* on your computer desktop. Click on *Configure Stick*.
- 3. Change EID Display Format to *Tag Lookup*.
- 4. Change EID Output Format to *Tag Lookup*.
- 5. Click *Save Configuration* and *Quit*.



Note: The stick reader will still read and print WYSIWYG tag numbers even when it is configured for a tag file and the format is set to Tag Lookup.

v SDLConnect v1.5.4 © 2009 - 2015 Shearwell Data Ltd.	😂 SDLConnect v1.5.4 © 2009	- 2015 Shearwell Data Ltd.		
Read Tags from Stick Erase Tags from Stick Contract of the stick Image: when reading tags, sort them into order Display	Read Tags from Stick	Erase Tags from Stick	Configure Stick	Exit
Show Tag File Options	✓ When reading tags, sort the Tag File Options Hide Tag File Options	em into order Set up Tag File	Display tags in: No	tepad C Excel © Erase Tag File from Stick

- 6. The tag file provided by your tag supplier must be saved on your computer.
- 7. Click on the *Tag File Options* button.
- 8. Select Set up Tag File.
- 9. Select *Get Tags from File on PC*. Find the tag file from your tag manufacturer accepted tag formats are Shearwell, Allflex and FarmPlan. For all others please check with Shearwell Support.
- 10. If you do not have a tag file you can make your own text file in Notepad. Call Shearwell Support for more information.



Working with tag files - Windows

Select tags to send to the stick reader

- 1. The tag file will open with two columns of information. The eartag column shows the name/number that will be displayed when the tag is scanned by the stick reader.
- 2. The *Send to Stick* column displays a green tick and *(New)* besides each name/number. *(New)* means the number has not previously been sent to the stick reader.
- 3. If you wish to send the entire list of tags to the stick reader click Save & Exit.
- 4. Click on the *Send Tag File to Stick* button. A confirmation screen will display the number of tags exported.

ISDLConnect v1.5.4 © 2009	- 2015 Shearwell Data Ltd.			Successful Transfer
Read Tags from Stick	Erase Tags from Stick	Configure Stick	Exit	Number of eartags sent to stick: 17
✓ When reading tags, sort the Tag File Options	em into order	Display tags in:	This will send the entire tag file.	OK
Hide Tag File Options	Set up Tag File	Send Tag File to Stic	k Erase Tag File from Stick	

5. To send only selected tags to the stick reader highlight the tags you want on the grid. To select multiple tags hold down the control key, or hold down the shift key while selecting the first and last number in a series.



- 6. Click on *Select Tags to Send to Stick*. Tags that have been sent will now have only a green tick beside. All tags will remain on the grid for selection next time the program is opened.
- 7. Tags that are NOT to be sent to the stick can be highlighted on the grid. Click on *Deselect Tags from the List*. A red cross will be visible beside the number when it is deselected.
- 8. Delete tags that you will never want to send to the stick reader to reduce the size of the tag file. Highlight the unwanted tags on the grid and click on *Delete Selected Tags from the List*. If you change your mind you must import the tag file again to restore those numbers to the grid.

(Eartag Selection			×
		<mark>√5 [°]≹</mark> 19 Se	elected: 0	
		Eartag	Send to Stic	Green ticks mean these tags
	Help	UK123456 503201	\checkmark	croon actor model arous age
		UK123456 603202	\checkmark	have been sent to the stick.
		UK123456 703203	\checkmark	
		UK123456 103204		
		UK123456 203205	V I	
	Get Tags from	UK123456 303206	X	Red crosses mean these tags
	File on PC	UK123456 403207	X	Neu crosses mean mese lags
		UK123456 503208	X	have been excluded
		UK123456 603209	X	nave been excluded.
		UK123456 703210	X	
		LIK123456 103211	V V	

Working with tag files - Mac

- A 'WYSIWYG' tag has an electronic number (EID) that is the same as the number printed on the outside of the tag.
- A 'non-WYSIWYG' tag has an electronic number (EID) that is different than the number printed on the outside of the tag.
- A tag file is for non-WYSIWYG tags a cross-reference between the EID inside the tag and the number printed on the outside.
- A tag file loaded into the stick reader software allows the stick reader to display the outside number instead of the internal EID number. Your tag manufacturer will supply this file for you when you purchase non-WYSIWYG tags. Learn more about EID and tag formats in *EID Options* in the Windows manual.

To load a tag file onto your stick reader:

- Turn on the stick reader.
- Open SDL Connect on your computer desktop.
- Click on *Configure Stick*.
- Change EID Display Format to *Tag Lookup*.
- Change EID Output Format to *Tag Lookup*.
- Click Save.



The tag file provided by your tag supplier must be saved on your computer.

- Click on the Tag File Options button.
- Select Set up Tag File.

Choose Reader Choser	Reader: SDL400S-2772	1.0
Read Tags from Stick	Erase Tags from Stick	Configure Stick
Ta	g Read Option Tag File Op	tions
Set up Tag File	Send Tag File to Stick	Erase Tag File From Stick

- Select *Get Tags from File*.
- Find the tag file from your tag manufacturer accepted tag formats are Shearwell, Allflex and Farm-Plan. For all others please check with Shearwell Support.
- Select the tag file. Click **Open**. All the tag numbers in that tag file will be displayed.

	Eartag Send to Stick?			
Get Tags From File		0.0.	Open	
Select Tags to Send to Stick			🚟 🗸 🛅 Documents	\$
Coloct lags to cond to otion		Favorites		
Deselect Tags from the List		All My Files	TXT	
Delete Tags from the List		Applications	CTags.txt	
	1	Documents		
Save	Save	O Downloads		
Exit				

Working with tag files - Mac

Select the tags you want to send to the stick reader.

- 1. To send all the tags:
 - Highlight the first tag on the list, hold down the shift key and highlight the last tag on the list.
 - Click Select Tags to Send to Stick a tick will appear beside each selected tag.
 - Click Save.
 - Click Send Tag File to Stick. The blue light on the stick reader will flash blue.

	Faster	 Constitute Officials? 		Factor	
	Eartag	A Send to stick?		Eartag	Send to Stick?
Get Tags From File	84267406 106256		Get Tags From File	84267406 106256	
	84267406 106263			84267406 106263	\sim
	84267406 106270			84267406 106270	
	84267406 106277		Select Tags to Send to Stick	84267406 106277	
Select Tags to Send to Stick	84267406 106284			84267406 106284	Image: A start and a start
	84267406 106291			84267406 106291	
	84267406 106298			84267406 106298	
5 I I T I I I I I I I I I I I I I I I I	84267406 106305			84267406 106305	
Deselect lags from the List	84267406 106312		Deselect Tags from the List	84267406 106312	

		11
Read Tags from Stick	Erase Tags from Stick	Configure Stick
Ta	g Read Option: Tag File Op	tions
Set up Tag File	Send Tag File to Stick	Erase Tag File From Stick

- 2. To send only selected tags to the stick reader highlight the tags you want on the grid. To select multiple tags hold down the command (Apple) key, or hold down the shift key while clicking the first and last number in a series.
 - Click Select Tags to Send to Stick a tick will appear beside each selected tag.
 - Click **Save**.
 - Click Send Tag File to Stick. The blue light on the stick reader will flash blue.
- 3. To remove a tag file click on *Erase Tag File from Stick*. This will remove ALL tag files so be sure that none of the tags will ever need to be read again (i.e. animals are dead or sold).

Trouble-shooting

Error messages on the computer

1. No Bluetooth signal





2. No Bluetooth signal

- check the stick reader is turned on and the battery level is good.

3. Losing Bluetooth connection between the stick and the computer

- Battery level in the stick reader is getting low - insert fresh batteries or stop and recharge.

4. Wrong date and time

- Date and time are automatically sent to the stick reader from the computer software when the stick connects. A stick reader that isn't used very frequently will run down the back-up battery that runs the internal clock. To correct the date and time connect the stick reader and **SDL Connect** before you intend to use it.

If all else fails - remove the stick reader from your Bluetooth Devices and re-pair it.

Appendix I - Link to StockMove Express for Android

Note: The red-handled SDL400S stick reader will only link to an Android phone.

Phone Requirements

Stock Move Express for Android requires a smart phone or tablet running Google's Android operating system. The phone or tablet must have Bluetooth and will need Internet access via mobile data or WiFi.

Download StockMove Express

1. Touch the Google Play Store icon on the home page on your mobile phone or tablet. New users to the Play Store may be required to set up a Google account.



In the search box at the top, search for 'shearwell stock move'
 Select *StockMove Express* in the search result, then press *Install*.

Register with NLMD-LT

You must have an NLMD account to use StockMove Express.

1. Open *StockMove Express*. Register as a new user or log in if you already have an account.



- 2. You can also register online at *www.nlmd-lt.co.uk*
- 3. Remember your user name and password you will need them to log into *StockMove Express*

Connect to your stick reader

- 1. Turn on your stick reader.
- 2. Open StockMove Express.



- 3. Touch *Settings*.
- 4. Touch *Connect to Reader*.
- 5. Touch *Scan for Devices* to find the Bluetooth signal from your stick reader.
- 6. Touch your stick reader Bluetooth number (ex. SDL400-XXXX). See page 11 of this manual for help finding the Bluetooth number.
- 7. Type in passcode **1111.** Touch **OK.** You are ready to scan tags.



Appendix I - Link to StockMove Express for Android

Use the StockMove Express Help Guide



Touch the help icon at the top right-hand corner of any page to open a help screen.

Apply Tags	
Apply Tags	0
Include management info	
Holding	
87/654/4321	-
Application Date	
10-12-2012	
Date of Birth	
Select	
Breed	
Enter	
Comment	
Animals	
Add Animals	Ð
\triangleright	

Use the online help on NLMD-LT

LIVESTOCK TRACING		-	and the second second	Contraction of the	Contract of the
	HOME	REGISTER	FIND OUT MORE	GETTING STARTED	CONTACT US

Go to **www.nlmd-lt.co.uk** Click on **Getting Started**

Setting Up

- Import Existing Animals
- Send Cattle Birth, Movements and Deaths to BCMS
- Send Sheep Movements to ARAMS (sheep movement database for England)
- Send Sheep Movements, Tag Applications and Deaths to ScotEID
- Add Holdings To Your Account
- Change Your Account Details
- Change Your Password

Recording

- Move Animals
- Births / Tag Applications
- On Farm Deaths
- Tag Replacement
- Administer Medicines to Animals
- Administer Treatment Procedures
- Purchase or Dispose a Medicine
- Record Comments

Appendix II - Link to FarmWorks Mobile for Android

- 1. Turn on your stick reader. Look on the label for its Bluetooth number. (Example: SDL400S 1234)
- 2. Open *FarmWorks Mobile*. Touch either the cow or the sheep icon.
- 3. Touch *Statutory*. Select a *Movement* (Example: Private sale)
- 4. Touch *Add Animals*. Touch *Connect* at the top of the screen.
- 5. Touch *Scan for Devices* to find the Bluetooth signal from your stick reader.

Movement	Animals		Not connected	Farmworks Mobile
Movement	Connect	👷 Manual Tag	4	Devices
Select type of movement				
Purchase Private Sale Other Move	ement	Add Groups	- F	
Date				
3-11-2015				
Sold to				
Select one •				
Add Animals Price Per Animal				
Add Animals				
	_			
Save				
			2	
				A THE REAL PROPERTY AND
	0 Animale Selector	4	Castinus	Scan for devices Q (?)

- 6. Find your stick reader's Bluetooth number in the list and press on it.
- 7. For a new connection you will be prompted to enter the pairing PIN.
- 8. Enter the PIN '1111' and tap **OK**.
- Look for the tick and the stick reader icon in the top left of the screen. It will say *Connected* and the stick reader will display a blue light when there is an active connection. The stick reader number will be shown on the top right of the screen.



	d. C. I.	-	-
Connected	<u> </u>	Manual Tag	_
	Add Groups		,
Please scan a tag or press	s Add Groups to read a	group from the stick r	eader.
1			

Appendix III - Link to EID Connect

EID Connect is a free download for your Android or Apple device. Go to the Google Playstore[®] (Android) or the App Store[®] (Apple) and search for "Shearwell".

Help is available inside **EID Connect** by touching the menu icon and selecting **About**.

Get ready

- » Look on the back of your stick reader for a label with its Bluetooth name it will start SDL400S, followed by another four digits. For example: SDL400S 1234
- » Turn on your stick reader.
- » On your mobile device open **EID Connect** by touching the stick reader icon.





Connect to the stick reader the first time

- » Touch the green *Connect* button. The device will start scanning for the Bluetooth signal from your stick reader.
- » Find and press the stick reader's name on the Bluetooth devices screen.

Disconnected	
Last Read	Manual Tag
Count	Adding to Default Group
	and Stick Group
Local Groups	New Group
Default Group	. د ر
Delete all Groups	Clear al Taos



- » If you are asked for a pairing PIN enter 1111 and press OK.
- » The blue light on the stick reader will glow and your stick reader name will be displayed when a Bluetooth connection is made. Now you can start scanning tags or downloading tags that are already saved on your stick reader.

	 Bluetooth pairing request 	
Last Rea	To pair with: SDL400S-2772	
	Type the device's required PIN:	
COUNT		
Count	Usually 0000 or 1234	
Count	Usually 0000 or 1234 PIN contains letters or symbols	
	Usually 0000 or 1234 Usually 0000 or 1234 Vou may also need to type this PIN on the other device.	

E Sca	In Tags Your s 005-2772 whe	tick number shows en it is connected.
	Disconnect	Manual Tag
Last Read		
Count		Adding to
	0	Default Group
	Los	ad Stick Group
Local Gr	oups	New Group
Default G	iroup	>
	Delete all Groups	Clear all Tags

Appendix III - Link to EID Connect

Scan tags into a group

You can create new groups on the app, which are called *Local Groups*. Local Groups can be named anything you want. Groups of tag numbers that are saved on the stick reader are called *Stick Groups*. Stick Groups are named A, B, C, etc.

To add animals to a group on the app:

- » Touch *Connect* to connect your stick reader.
- » Select an existing group from the list or touch *New Group*. Type in a name for the group and touch *OK*. ("Default Group" is the name given to a group if you do not enter another name.)
- » Scan a tag to add each animal to the group. The last number read and the count are displayed.



SDL400S-2772	
Disconnect	Manual Tag
ant Read	1.0
UK024422	20 15073
Count	Adding to
0	Marioet wethers
Load St	iek Greup
Local Groups	New Group
Default Group	
Market wethers	
Delete all Droups	Char all Tags

Download tag numbers stored on the stick reader

- » If you have already scanned tags into a group saved on the stick reader then touch *Load Stick Group*.
- » Use the dropdown list to select a Local Group to download tags into.
- » All the groups saved on the stick reader will be displayed at the top of the screen. Select a group then touch *Load*. The tag numbers in that stick group will be added to your app group.

≡ Scan Tags		← Stick Groups		← Stick Groups	Select a group from
SDL4005-2772		Connected Device Groups		Connected Device Groups	the stick reader and
Disconnect	Manual Tag	A (7 Animals)		A (3 Animals)	touch Load.
Last Read	220 15073	Add to Local Group		Add to Local Group	
Count	Adding to	Drench may 15 Y Load		Drench may 1	5 👻 Load
3	Market wethers	Use the dropdown arrow			
Local Groups	New Group	to select a group.	BFL ewe lambs	\odot	
Default Group	>		Default Group	0	
Market wethers	>		Drench may 15	۲	
Delete all Groups	Clear all Tage		Heavy lambs	0	

Export Data

You can send tag numbers by email, Bluetooth or other means, depending on what programs you have installed on your device.

- » Touch the menu icon.
- » Touch *Export Data*. Choose a method for sending a file to another device or computer. A csv file with all your groups will be sent to the recipient.



Appendix III - Link to EID Connect

View tags

You can view all the tags in any group, with the option to delete one or more tags.

- » In the *Scan Tags* screen select the group you wish to view.
- » Touch the arrow to view the tags.
- » Touch the rubbish bin icon to delete a tag from the group.
- » Change the name of the group by touching *Rename* and entering a new name.

SDL400S-1524	
Disconnect	Manual Tag
Last Read	
UKO	244220 18996
Count	Adding to
5	BFL ewes
	Lead Slick Group
Local Groups	New Group
BFL eves Sala	d a group then touch arrow to view all the tops in that group.

BFL ewes	Rename Dele
UK0386009 01515	
UK0386009 00208	
UK0244220 18763	
UK0244220 15073	
UK0244220 18996	

Search for a tag

Find a tag that is in a group on the app (Local Group).

- » Touch the menu icon.
- » Touch Search Tags.
- » Scan a tag or type the number in as Manual Tag (you must enter the entire number exactly as it is printed on the tag, including the space).
- » The groups that contain that tag number will be displayed. Then touch the arrow to *View Group* if you wish to delete that tag from the group.



Configure the stick reader

Some stick reader settings can be changed here.

- » Turn on your stick reader. Connect to your app.
- » Touch the menu icon.
- » Touch Configure Stick.
- » **Auto Connect on Startup** means the app will try to connect to your stick reader automatically whenever the stick reader is turned on.
- » **Continuous Read Mode** means the stick is constantly scanning for tags without you having to push the scan button.
- » Changing the *Display Format* and *Output Forma*t might be necessary if you are linking your stick reader to another device (such as a weigher) that needs the tag number in a certain format.
- » For more information on configurations see your stick reader manual.

Appendix IV - Link to a weigher - EziWeigh7

The SDL400S stick reader can be linked to a weigher that has Bluetooth. Devices with Bluetooth will have the Bluetooth symbol on the front.



The first step to link your stick reader to an EziWeigh7 is to find the Bluetooth ID of the weigher.

- 1. Push the power button to turn on the weigher.
- 2. Push the *Menu* button.
- 3. Use the bottom arrow to scroll down through the functions to Setups...



- 4. Push *Enter*. Use the bottom arrow to scroll down through the functions to BT Address
- 5. Write down the BT address on a piece of paper, leaving out the colons. The example in the photo above would be BT Address 00A0963D2FA3.
- 6. Press the *Escape* button twice to exit.

Appendix IV - Link to a weigher - EziWeigh7

The second step to link your stick reader to an EziWeigh7 weigher is to change the configuration on your stick reader.

- 1. Make sure the Bluetooth adapter is plugged into a USB port on your computer (Windows).
- 2. Turn on the stick reader.
- 3. Click on the *SDL Connect* icon on your computer desktop. The blue light on the stick reader should flash as the Bluetooth connection is made.
- 4. Click on *Configure Stick*.
- 5. For a Windows computer, scroll down to find the *Weigher Bluetooth ID* field. Type in the Bluetooth ID number for your weigher.
- 6. Click *Save Configuration* and *Quit*.

2	🛱 Stick Reader Configuration	
ſ	Configuration (use the scrollbar on the right to view all configuration items)	٦
	Continuous Read Mode Press to Read	
ł.	Continuous Read Mode Timeout (seconds) from 1 to 30 12	
l	Printer Type AP1300BT	
l	Label Printing Allowed No	
l	Label Printing On No	
l	Print in Order Print as read	
l	Printer statetooth ID uuuouuuusen	
	Weigher Bluetooth ID 00A0963AB4D8	
l	Save Configuration Quit	
L		

- 7. On a Mac computer, click on *Peripherals*.
- 8. Type in the Bluetooth ID number for your weigher in the *Weigher Bluetooth ID* field.
- 9. Click Save.

Printer Type:	AP1300BT 🗘
Label Printing Allowed:	
Label Printing On:	
Print in Order:	Print in order ᅌ
Printer Bluetooth ID:	000780087934
Weigher Bluetooth ID:	00A0963AB4D8

Appendix IV - Link to a weigher - EziWeigh7

- » Turn off your stick reader.
- » Turn the stick reader back on, pressing and holding the green button to view the menu options.
- » Release the button at *Link to weigher?* The blue light on the stick reader will glow when the Bluetooth connection is made.
- » The stick reader and weigher are now linked when a tag is scanned by the stick reader the EID number will be sent to the weigher and be displayed on the screen.

-	TRU-TEST.	
1		
REC		
C Zt EID tag	EW7 9826024422019077 g number	
1 2 ABC	a Ber	

Appendix V - Link to a weigher - ID3000

The SDL400S stick reader can be linked to a weigher that has Bluetooth. Devices with Bluetooth will have the Bluetooth logo on the front. Weighers like the Tru-Test ID3000 purchased from Shearwell will have a label on the back with the Bluetooth information.



The first step to link a stick reader to an ID3000 weigher is to change the configuration on the weigher.

- 1. Press the power button to turn on the weigher.
- 2. Press the Setup button. The Weighing Screen Setup opens.



Appendix V - Link to a weigher - ID3000

3. On the weighing setup screen, use the up and down arrows to move around the screen. "RHS" means right-hand side; "LHS" means left-hand side.

le	LHS means eft-hand side.			RHS means right-hand side.	
Weighing Tick the it e	Screen Setu ms you want on	p FI the m	LE : 🛙	leighing screen.	
LHS × PromP × Drafti × Waight	(FOR VIEWING) t messa9e ran9e Goin	X	RI FID EID)
Highlight one E and press the Enter button			Cod	e	
X LODE					

- 4. Use the arrows to select *EID*. Press the *Enter* button and use the arrows to select the tick mark. Press the *Enter* button to make the selection.
- 5. Press the *ESC* button to exit the setup screen. The EID field should now be visible on the front screen.





Appendix V - Link to a weigher - ID3000

The second step to link your stick reader to an ID3000 weigher is to change the configuration on your stick reader.

- 1. Make sure the Bluetooth adapter is plugged into a USB port on your computer (Windows).
- 2. Turn on the stick reader.
- 3. Click on the *SDL Connect* icon on your computer desktop. The blue light on the stick reader should flash as the Bluetooth connection is made.
- 4. Click on *Configure Stick*.
- 5. For a Windows computer, scroll down to find the *Weigher Bluetooth ID* field. Type in the Bluetooth ID number for your weigher.
- 6. Click *Save Configuration* and *Quit*.

Z	Stick Reader Configuration		×			
ſ	⊂ Configuration (use the scrollbar on the right to view all configuration items) Language English	•				
	Continuous Read Mode Press to Rea	ed 🗸	-			
i	Continuous Read Mode Timeout (seconds) from 1 to 30 12					
	Printer Type AP1300BT	-				
l	Label Printing Allowed No	- 1				
I	Label Printing On No			Detail	Settings Periph	erals
	Print in Order Print as read				AD1000DT	
U	Printer stuetooth 10 100000000	00	Printer Type:		AP1300B1	
	Weigher Bluetooth ID 00A09634B4	4D8	Label Printing A	Allowed:		
	Quit		Label Printing C	Dn:		
Ľ			Print in Order:		Print in order ᅌ	
			Printer Bluetoot	th ID:	000780087934	
			Weigher Blueto	oth ID:	00A0963AB4D8	

- 7. On a Mac computer, click on *Peripherals*.
- 8. Type in the Bluetooth ID number for your weigher in the *Weigher Bluetooth ID* field.
- 9. Click Save.
- » Turn off your stick reader.
- » Turn the stick reader back on, pressing and holding the green button to view the menu options.
- » Release the button at *Link to weigher?* The blue light on the stick reader should flash as the Bluetooth connection is made.
- » The stick reader and weigher are now linked when a tag is scanned by the stick reader the EID number will be sent to the weigher and be displayed on the screen.



Appendix VI - Link to a weigher - Te Pari

STEP 1: Find the Bluetooth ID of the weigher.

- 1. Push the power button to turn on the weigher.
- 2. Push the *Setup/Weigh* button.
- 3. Use the down arrow to scroll down through the functions to Page 2.
- 4. On Page 2 of 3, scroll down to System Information. Press the Record/Select button.

SETUP PAGE 2 WIFI/C1 BAUDRATE: COM 1 POVER: COM PORT 2 MODE: COM 2 BAUDRATE: WIFI/C2 POVER: BLUETOOTH MODE: BLUETOOTH MODE: BLUETOOTH POWER: SYSTEM SETUP: SYSTEM INFORMATION:	OF 3 EID READ /PC CONNECT 9600 OFF SIMPLE WEIGHT 9600 ON EID READ /PC CONNECT ON	SYSTEM INFO FIRMWARE VERSION: BLUETOOTH ADDR: BLUETOOTH HOST: BLUETOOTH HOST: BLUETOOTH HOST: BLUETOOTH PIN: WIFI MAC ADDR; WIFI MAC ADDR; WIFI AP NAME: WIFI AP NAME: WIFI DEVICE 1: WIFI DEVICE 1: WIFI DEVICE 2: WIFI DEVICE 3: WIFI DEVICE 3: WIFI DEVICE 4: MEMORY USAGE: FLASH MEMORY: MODEL TOPO	B3.01.01 Aug 12 2015 00:06:66:6C:9B:DA DISCONNECTED 00:00:00:00:00:00 1234 · END 00:06:66:35: SSID+iScale 10.10.10.1:2000 58 RECORDS 4M OK
Press Select to setup S	ystem Settings	PRESS WEIGH OR STA	4M OK

- 5. Find *Bluetooth Addr.* Write down the BT address on a piece of paper, leaving out the colons. The example in the photo above would be BT Address 0006666C9BDA.
- 6. Press the *Setup or the Stats* button to exit.

STEP 2: Change the configuration on your stick reader.

- 1. Make sure the Bluetooth adapter is plugged into a USB port on your computer (PC only).
- 2. Turn on the stick reader.
- 3. Click on the *SDL Connect* icon on your computer desktop. The blue light on the stick reader should flash as the Bluetooth connection is made.
- 4. Click on *Configure Stick*.
- 5. Scroll down to find the *Weigher Bluetooth ID* field. Type in the Bluetooth ID number for your weigher. Click *Save Configuration* and *Quit*.
- 6. On a Mac computer, click on *Peripherals*.
- 7. Type in the Bluetooth ID number for your weigher in the *Weigher Bluetooth ID* field.
- 8. Click Save.

🐺 Stick Reader Configuration		
Configuration (use the scrollbar on the right to view all configuration items) Language English		
Continuous Read Mode Press to Read	_	
Continuous Read Mode Timeout (seconds) from 1 to 30 12		
Printer Type AP1300BT	-	
Label Printing Allowed No		
Label Printing On No	Detail	Settings Peripherals
Print in Order Print as read	Distant Terra	AD1200DT
Drivitor protection ID 00000000000	Printer Type:	AP1300B1
Weigher Bluetooth ID 00409634B4D8	Label Printing Allowed:	
Save Configuration Quit	Label Printing On:	
	Print in Order:	Print in order ᅌ
	Printer Bluetooth ID:	000780087934
	Weigher Bluetooth ID:	00A0963AB4D8

Appendix VI - Link to a weigher - Te Pari

STEP 3: Change the configuration on the weigher.

- 1. Press the power button to turn on the weigher.
- 2. On Page 1 highlight *Weight Record*. Press the *Record/Select* button multiple times to scroll through the options; select AUTO.



- 3. Use the down arrow to scroll down through the functions to Page 2.
- 4. On Page 2 of 3, highlight *Wifi/Com 1 Mode*. Press the *Record/Select* button multiple times to scroll through the options. Select **EID READ/PC CONNECT**. Use the down arrow to move to the next field.
- Highlight *Wifi/C1 Baudrate*. Press the *Record/Select* button multiple times to scroll through the options. Select 9600.
- 6. Highlight COM1 Power. Press the Record/Select button to select OFF.
- 7. Highlight *Com Port 2 Mode*. Press the *Record/Select* button multiple times to scroll through the options. Select SIMPLE WEIGHT.
- 8. Highlight COM2 Baudrate. Press the Record/Select button to select 9600.
- 9. Highlight WIFI/C2 Power. Press the Record/Select button to select ON.
- 10. Highlight *Bluetooth Mode*. Press the *Record/Select* button to select EID READ/PC CONNECT.
- 11. Highlight *Bluetooth Power*. Press the *Record/Select* button to select *ON*.

SETUP PAGE 2 OF 3	SETUP PAGE 3 OF 3
WIFIZCOM 1 MODE: EID READ/PC CONNECT WIFIZCI BAUDRATE: 9600 COM 1 POWER: OFF COM 2 BAUDRATE: 9600 WIFIZC2 POWER: ON BLUETOOTH MODE: EID READ/PC CONNECT BLUETOOTH POWER: ON SYSTEM SETUP: SYSTEM INFORMATION:	ID MODE: EID ONLY ENABLE AUTO VID: OFF AUTO VID START: VID001 ENABLE PID: NO PID DEFAULT: NO CODE 1 TITLE: CODE1 CODE 1 DEFAULT: ENABLE ENABLE CODE 2: NO CODE 2 DEFAULT: ENABLE ENABLE CODE 2: NO CODE 2 DEFAULT: ENABLE ENABLE CODE 3: NO CODE 3 TITLE: CODE3 CODE 3 DEFAULT: LOAD LOAD CODES WITH
Press Select to setup System Settings	Enter Default PID. Blank for None

- 12. Use the down arrow to scroll down through the functions to Page 3.
- 13. Highlight *ID Mode*. Press the *Record/Select* button to select *EID ONLY*.
- 14. Press the *Setup /Weigh* button to exit the setup screen. The EID field should now be visible on the front screen.

Refer to your Te Pari manual for saving files and downloading to your computer.

Contact us

For technical support telephone: You can email technical support at: support@shearwell.co.uk For general enquiries telephone: Fax: Alternatively visit our website at:

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Lines are open from Monday to Friday between 8am - 5pm GMT.

Certification



FCC ID: YVSSDL400S

The SDL400S complies with parts15.207 and 15.209 of the FCC rules CFR47:2009. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The SDL400S operates at a frequency of 134.2KHz and complies with part 15C emission requirements. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference in which case the user will be required to correct the interference at his own expense.

IC: 8856A-SDL400S

The SDL400S also complies with Industry Canada RSS-210 issue 7. This SDL400S complies with Industry Canada licence-exempt RSS standard (s).

