Shearwell Data Animal Identification & Management Systems

QS

Te Pari weigher models T10 and T20
▷ links to the Shearwell stock recorder - no pairing code
▷ links to SDL 400 red stick reader - no pairing code
▷ links to SDL440 blue stick reader - no pairing code

Link to a stock recorder for SDL crates
» On the Te Pari weigher push the *Setup/ Weigh* button.
» On the first page (SETUP PAGE 1 OF 1) set WEIGHT RECORD to *OFF*
» Use the scroll arrows to move to the second page (SETUP PAGE 2 OF 3)
» Set **BLUETOOTH MODE** to *SIMPLE WEIGHT*
» Make sure Bluetooth Power is set to *ON*. Ignore other settings.
» Use the scroll arrows to move to the third page (SETUP PAGE 3 OF 3)
» Change the ID MODE to *NO ID QUICK WEIGH.* Ignore other settings.
» Press the *Setup/ Weigh* button to exit.

```
SETUP PAGE 1 OF 3
CURRENT FAVORITE:      PSION
SAVE/NAME FAVORITE:    PSION
BACKLIGHT MODE:        AUTO
SET DRAFT TYPE:        OFF
 DRAFTING SETUP:
HEALTH MODE:           OFF
SET HEALTH 1 TYPE:
 CALCULATED DOSE:
SET HEALTH 2 TYPE:
 CALCULATED DOSE:
WEIGHT RECORD:         OFF
AUTO ZERO:             ON
WEIGHT GAIN:           TOTAL GAIN
TARE WEIGHT:           000.0 KG
```
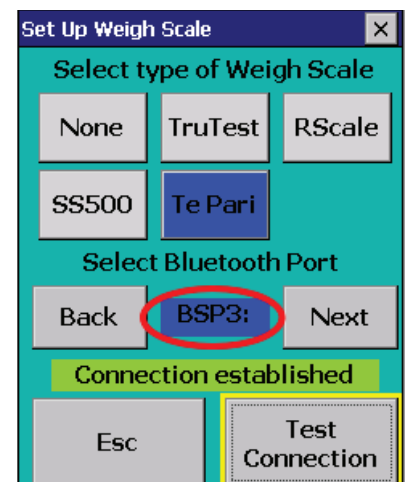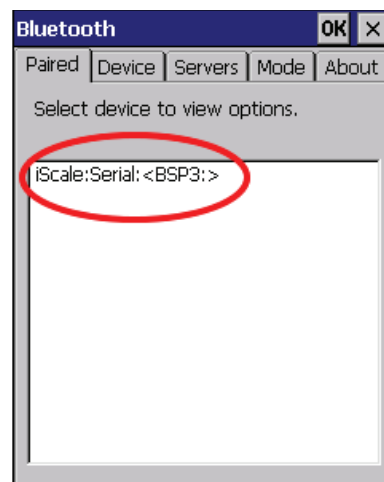
```
SETUP PAGE 2 OF 3
WIFI/COM 1 MODE:       OFF
WIFI/C1 BAUDRATE:      9600
COM 1 POWER:           OFF
COM PORT 2 MODE:       EID READ / PC CONNECT
COM 2 BAUDRATE:        9600
WIFI/C2 POWER:         OFF
BLUETOOTH MODE:        SIMPLE WEIGHT
BLUETOOTH POWER:       ON
SYSTEM SETUP:
SYSTEM INFORMATION:

Press Select to display System Information
```

```
SETUP PAGE 3 OF 3
ID MODE:                 NO ID QUICK WEIGH
ENABLE AUTO VID:         OFF
 AUTO VID START:         VID001
ENABLE PID:              NO
 PID DEFAULT:
ENABLE CODE 1:           NO
 CODE 1 TITLE:           CODE 1
 CODE 1 DEFAULT:
ENABLE CODE 2:           NO
 CODE 2 TITLE:           CODE 2
 CODE 2 DEFAULT:
ENABLE CODE 3:           NO
 CODE 3 TITLE:           CODE 3
 CODE 3 DEFAULT:
LOAD CODES WITH PREV WEIGHT: NO
```

» On the stock recorder - open the Bluetooth Manager
» *Scan* to locate the signal from the Te Pari weigher.
» Highlight **iScale** and tap *Pair*. On the Authentication screen _leave the passcode blank._ Tap *Next*.
» Choose a BSP port and tap *Done*.
» In FarmWorks, go to *Options > Weigher*
» Select *Te Pari*; use the buttons to select the correct BSP port. Test the connection.
» Escape to sheep or cattle procedures to start weighing.

Bluetooth OK ✕
Paired | Device | Servers | Mode | About
Select device to start pairing.

Name	Address
iScale	0006666C9C26

Scan | All ▼ | Clear

Bluetooth OK ✕
Paired | Device | Servers | Mode | About
Select device to view options.

iScale:Serial:<BSP3:>

Set Up Weigh Scale ✕
Select type of Weigh Scale
None | TruTest | RScale
SS500 | Te Pari
Select Bluetooth Port
Back | BSP3: | Next
Connection established
Esc | Test Connection

QS

Shearwell red and blue stick readers both link to Te Pari weighers. Tag numbers and weights are saved in a file on the weigher. The weigher connects to a PC with a serial cable and a USB adapter; data is transferred using Te Pari Downloader, a free program from Te Pari. Tag and weight data can then be saved as a text file or an Excel spreadsheet.

Link to a red (SDL400) or blue (SDL440) stick reader

» On the Te Pari weigher push the **Setup/ Weigh** button.
» On the first page (SETUP PAGE 1 OF 1) set WEIGHT RECORD to **MANUAL** if you want to push the record button for each animal, or select **AUTO** if you want the scale to record the weight automatically as the animal leaves the crate.
» Use the scroll arrows to move to the second page (SETUP PAGE 2 OF 3)
» Set **BLUETOOTH MODE** to **EID READ/PC CONNECT**
» Make sure Bluetooth Power is set to **ON**.
» Move down to System Information, press SELECT

```
SETUP PAGE 1 OF 3
CURRENT FAVORITE:        PSION
SAVE/NAME FAVORITE:      PSION
BACKLIGHT MODE:          AUTO
SET DRAFT TYPE:          OFF
 DRAFTING SETUP:
HEALTH MODE:             OFF
SET HEALTH 1 TYPE:
 CALCULATED DOSE:
SET HEALTH 2 TYPE:
 CALCULATED DOSE:
WEIGHT RECORD:           AUTO
AUTO ZERO:               ON
WEIGHT GAIN:             TOTAL GAIN
TARE WEIGHT:             000.0 KG
```

```
SETUP PAGE 2 OF 3
WIFI/COM 1 MODE:     OFF
WIFI/C1 BAUDRATE:    9600
COM 1 POWER:         OFF
COM PORT 2 MODE:     EID READ / PC CONNECT
COM 2 BAUDRATE:      9600
WIFI/C2 POWER:       OFF
BLUETOOTH MODE:      EID READ / PC CONNECT
BLUETOOTH POWER:     ON
SYSTEM SETUP:
SYSTEM INFORMATION: PRESS SELECT


Press Select to display System Information
```
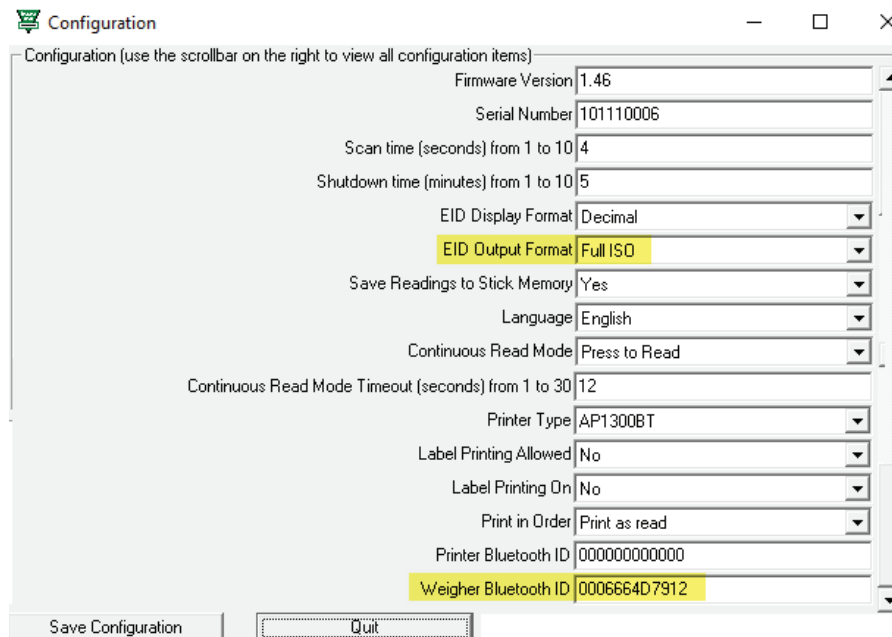
» Make a note of the Bluetooth address as it is shown, leaving out the colons.
» Press the Stats or Weigh button to return to page 2.
» Use the scroll arrows to move to the third page (SETUP PAGE 3 OF 3)
» Change the ID MODE to **EID ONLY.** Ignore other settings.
» Press the **Setup/ Weigh** button to exit.

```
SYSTEM INFO
FIRMWARE VERSION:     B3:01:01
BLUETOOTH ADDR:       00:06:66:6C:9B:DA
BLUETOOTH STATE:      DISCONNECTED
BLUETOOTH HOST:       ER:R:D:::
BLUETOOTH PIN:        1234ND
WIFI MAC ADDR:        00:06:66:35:
WIFI APP NAME:        SSID - ISCALE
WIFI IP ADDR:         10.10.10.1:2000
 WIFI DEVICE 1:
 WIFI DEVICE 2:
 WIFI DEVICE 3:
 WIFI DEVICE 4:
MEMORY USAGE:         0 RECORDS
FLASH MEMORY:         4M OK
MODEL T20e
PRESS WEIGH OR STATS TO EXIT
```

```
SETUP PAGE 3 OF 3
ID MODE:                      EID ONLY
ENABLE AUTO VID:              OFF
 AUTO VID START:              VID001
ENABLE PID:                   NO
 PID DEFAULT:
ENABLE CODE 1:                NO
 CODE 1 TITLE:                CODE 1
 CODE 1 DEFAULT:
ENABLE CODE 2:                NO
 CODE 2 TITLE:                CODE 2
 CODE 2 DEFAULT:
ENABLE CODE 3:                NO
 CODE 3 TITLE:                CODE 3
 CODE 3 DEFAULT:
LOAD CODES WITH PREV WEIGHT: NO
```

» Open SDL Connect on your computer and connect to your stick reader.
» Click on **Configure Stick**.
» Change the **EID Output Format** to **Full ISO**.
» Scroll down to find the **Weigher Bluetooth ID** field. Type in the Bluetooth ID number for your weigher. Click **Save Configuration** and **Quit**.
» On a Mac computer, click on **Peripherals**.
» Type in the Bluetooth ID number for your weigher in the **Weigher Bluetooth ID** field.
» Click **Save**.
» Turn on your stick reader by holding down the green button. Release the button when Link to Weigher appears. The blue light on the stick will flash when a Bluetooth link is made.

Configuration	
Firmware Version	1.46
Serial Number	101110006
Scan time (seconds) from 1 to 10	4
Shutdown time (minutes) from 1 to 10	5
EID Display Format	Decimal
EID Output Format	Full ISO
Save Readings to Stick Memory	Yes
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	000000000000
Weigher Bluetooth ID	0006664D7912

Save Configuration   Quit

Tips for using a Te Pari weigher

1. Linking a stick reader assumes you are saving a file to be downloaded later. After turning on the weigher you must either create a new file for a weighing session or add to an existing file.
2. VID is visual ID. If you want a VID as well as an EID you must key it in for each animal. The VID is not locked to an EID so it will not be remembered next time you scan the EID. Boo!
3. Saving "Favorites": use the setup screens to change the settings as required. Scroll back to the first setup screen (SETUP PAGE 1 OF 3) and move to the **Save/Name Favorite**. If these are changes to the existing favorite, move to the Save/Name favorite field then press **Record/Select** to save the changes. If this is a new Favorite, use the backspace button to erase the old Favorite name and then type in the new name. Press the **Record/Select** button to save the new name and settings.
4. When set to **Auto Record** the weigher records the weight and ID when the animal leaves the crate, not when it finds a stable weight. This can be confusing!
5. Accuracy can be affected by the **Weighing Mode** (under System setup) which is how many seconds the scale looks for a stable weight. LOCK-ON 3S is the most accurate but slowest (3 seconds). LOCK-ON 1S is fastest but less accurate.
6. The **Reweigh Threshold** (under System setup) should be set to 10-20% for cattle; 20-30% for sheep. This is important if animals are jumping into the crate before the last animal is off the scale.
7. The weigher doesn't start weighing until there is a minimum weight on the scale, either 10 lb/4.5kg or 20 lb/9 kg. This is determined by the Algorithm Mode (under System setup) - select either Start 10 or Start 20, depending on size of the animals to be weighed.

QS

Te Pari weigher models T10E and T20E

▷ 2 Bluetooth modules in each weigher - the weigher and the Agrident EID reader
▷ Weigher BT name is iScale
▷ EID reader BT name is ASR550
▷ Both link to the Shearwell stock recorder - pairing code 1234
▷ Does NOT link to red or blue stickers

Link to a stock recorder for Te pari crates

» On the Te Pari weigher, turn on the EID reader by pushing the button on the bottom of the weigher. Status lights for EID on the top left side will glow when the power is on.
» Push the *Setup/ Weigh* button.
» On the first page (SETUP PAGE 1 OF 1) set WEIGHT RECORD to *OFF*
» Use the scroll arrows to move to the second page (SETUP PAGE 2 OF 3)
» Set **BLUETOOTH MODE** to *SIMPLE WEIGHT*
» Make sure Bluetooth Power is set to *ON*. Ignore other settings.
» Use the scroll arrows to move to the third page (SETUP PAGE 3 OF 3)
» Change the ID MODE to *NO ID QUICK WEIGH.* Ignore other settings.
» Press the *Setup/ Weigh* button to exit.

```
SETUP PAGE 1 OF 3
CURRENT FAVORITE:       PSION
SAVE/NAME FAVORITE:     PSION
BACKLIGHT MODE:         AUTO
SET DRAFT TYPE:         OFF
 DRAFTING SETUP:
HEALTH MODE:            OFF
SET HEALTH 1 TYPE:
 CALCULATED DOSE:
SET HEALTH 2 TYPE:
 CALCULATED DOSE:
WEIGHT RECORD:          OFF
AUTO ZERO:              ON
WEIGHT GAIN:            TOTAL GAIN
TARE WEIGHT:            000.0 KG
```

```
SETUP PAGE 2 OF 3
WIFI/COM 1 MODE:        OFF
WIFI/C1 BAUDRATE:       9600
COM 1 POWER:            OFF
COM PORT 2 MODE:        EID READ / PC CONNECT
COM 2 BAUDRATE:         9600
WIFI/C2 POWER:          OFF
BLUETOOTH MODE:         SIMPLE WEIGHT
BLUETOOTH POWER:        ON
SYSTEM SETUP:
SYSTEM INFORMATION:

Press Select to display System Information
```

```
SETUP PAGE 3 OF 3
ID MODE:                NO ID QUICK WEIGH
ENABLE AUTO VID:        OFF
 AUTO VID START:        VID001
ENABLE PID:             NO
 PID DEFAULT:
ENABLE CODE 1:          NO
 CODE 1 TITLE:          CODE 1
 CODE 1 DEFAULT:
ENABLE CODE 2:          NO
 CODE 2 TITLE:          CODE 2
 CODE 2 DEFAULT:
ENABLE CODE 3:          NO
 CODE 3 TITLE:          CODE 3
 CODE 3 DEFAULT:
```

» On the stock recorder - open the Bluetooth Manager. *Scan* to locate the signal from the weigher.
» Highlight **iScale** and tap *Pair*. On the Authentication screen type in 1234. Tap *Next*.
» Choose a BSP port and tap *Done*.
» Connect to the ASR550 reader the same way; passcode 1234
» Connect to the drafter; use passocde 1111.
» In FarmWorks, go to *Options > Weigher*
» Select *Te Pari*; use the buttons to select the correct BSP port. Test the connection.
» Go to *Options > RF Reader.* Select *Auto EID*; Select the correct BSP port. Test the connection.
» Go to *Options > Drafter.* Select *R'well HD3 or R'well DR3*; Select the correct BSP port. Test the connection.

Bluetooth [OK] [X]

| Paired | Device | Servers | Mode | About |

Select device to start pairing.

Name	Address
ASR550_006375	0006666F0AD4
DRAFT-129	008098E6E337
iScale	0006666C9C26

Scan | All ▼ | Clear

Bluetooth [OK] [X]

| Paired | Device | Servers | Mode | About |

Select device to view options.

DRAFT-129:Serial:<BSP4:>
iScale:Serial:<BSP3:>
ASR550_006375:Serial:<BSP2:>

Set Up Drafting [X]

Select type of Draft Crate

| None | SDL 700C | R'well DR3 |

R'well HD3

Select Bluetooth Port

| Back | BSP4: | Next |

| Esc | Test Connection |