

CONNECTION GUIDE

**Shearwell
Data**

**Animal Identification
& Management Systems**

Stock recorder with Te Pari and EziWeigh 7i



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Page 4 - Link the weigh head to the stock recorder

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Get ready...

Power on the drafter and EID reader

- » Connect the crate to mains power.
- » Press the power button on the dashboard. The green light will glow.
- » Connect the EID reader to mains power.
- » Connect the air supply.

Set the weigh head into the mounting bracket

- » Attach the two cables from the load bars to the ports on the bottom of the weigh head.
- » Connect the power lead to the center port.
- » Plug the power lead into mains power.
- » Press the power button to turn the unit on.

Check the settings on the weigh head

- » Press **MENU**.
- » Press the down arrow to **SETUPS**. Press **ENTER**.
- » Press the down arrow to **AUTO RECORD**.
- » Press **ENTER** until you see **AUTO RECORD (OFF)**.
- » Press **ESC** to go back to the main screen.

Set the stock recorder into its cradle

- » Connect the cradle to power.
- » The green light above the TAB key will flash to show the unit is powered on and charging.

Open the Bluetooth Manager on the stock recorder

- » Tap the Start button on the bottom left-side of the screen.
- » Tap **Settings**.
- » Tap **Control Panel**.
- » Tap **Bluetooth** to open the Bluetooth Manager.
- » Look for the tabs at the top of the screen. Tap the tab called **Device**. You will see a Scan button at the bottom of the screen. You are now ready to pair the stock recorder to the EID reader, the weigh scale and the drafting crate.





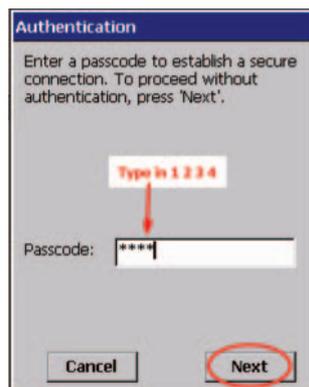
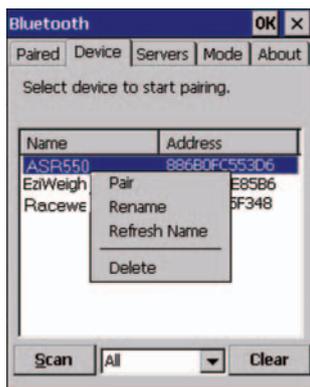
Bluetooth connections

Pair the stock recorder with the Agrident EID reader

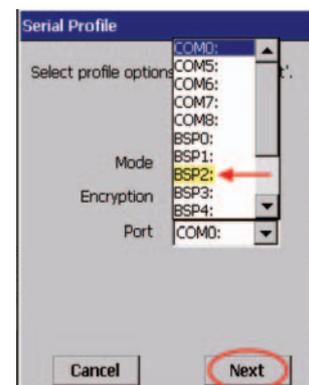
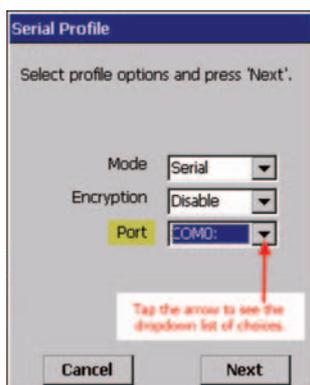
- » On the devices tab press **Scan**. Now the stock recorder tries to find all the Bluetooth devices in the area. This may take a few minutes - be patient! When scanning is complete the screen will show all the Bluetooth devices in the area, including mobile phones.
- » The screen should show the 3 Bluetooth devices: **ASR550_** (the EID reader), **EziWeigh** (the weigh head) and **Racewell** (the drafting crate).



- » Tap on **ASR550_**. A new window appears - tap on **Pair**.
- » The Authentication screen opens. Type in 1234 and tap **Next**.
- » On the Services screen, tap the box for Serial Port.

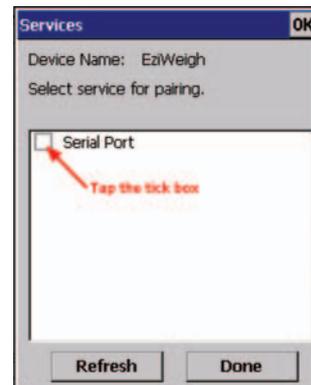


- » Leave **Mode** as serial. Leave **Encryption** disabled. In the Port field, pull down the dropdown menu.
- » Select **BSP 2**. Tap **Next**. Tap **Done** to finish. Now use the same procedure to pair the weigher and the drafting crate.

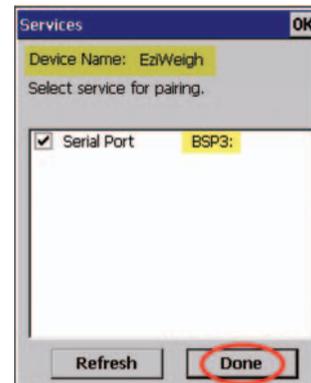
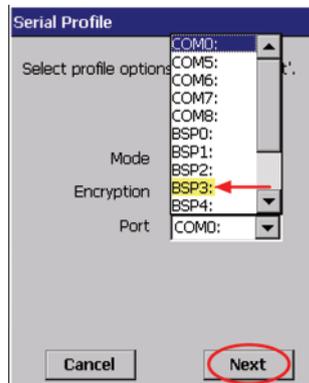
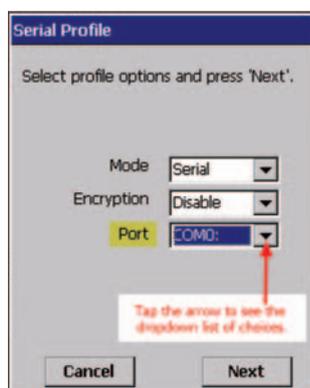


Pair the stock recorder with the EziWeigh7i weigher

- » Tap on **EziWeigh** . A new window appears - tap on **Pair**.
- » The Authentication screen opens. Type in 0000 and tap **Next**.
- » On the Services screen, tap the box for **Serial Port**.

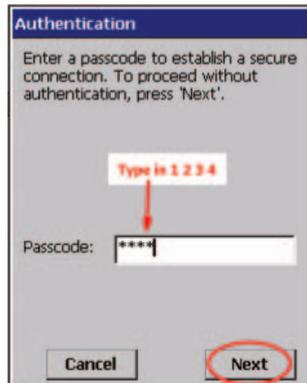


- » Leave **Mode** as serial. Leave **Encryption** disabled.
- » In the Port field, pull down the dropdown menu.
- » Select **BSP 3**. Tap **Next**.
- » Tap **Done** to finish.
- » Now use the same procedure to pair the drafting crate.

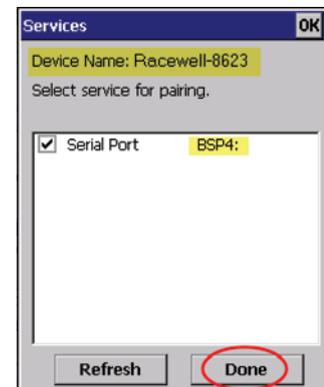
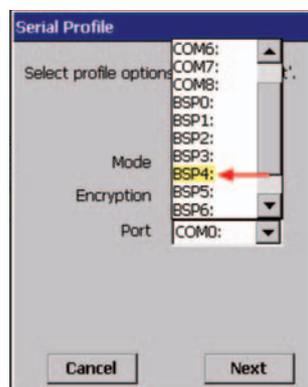
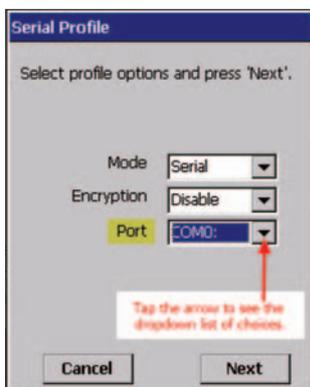


Pair the stock recorder with the drafting crate

- » Tap on **Racewell** . A new window appears - tap on **Pair**.
- » The Authentication screen opens. Type in 1234 and tap **Next**.
- » On the Services screen, tap the box for **Serial Port**.

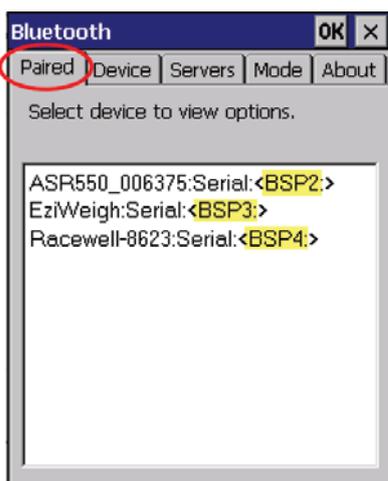


- » Leave **Mode** as serial. Leave **Encryption** disabled.
- » In the Port field, pull down the dropdown menu.
- » Select **BSP 4**. Tap **Next**.
- » Tap **Done** to finish.



Now all three Bluetooth devices are paired to the stock recorder. At the top left-side of the screen, touch the tab **Paired** to confirm the BSP ports you will need to know to link to FarmWorks.

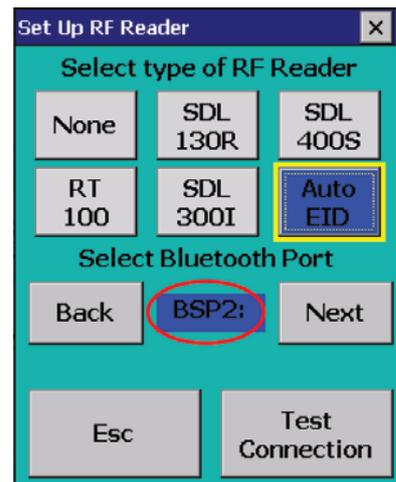
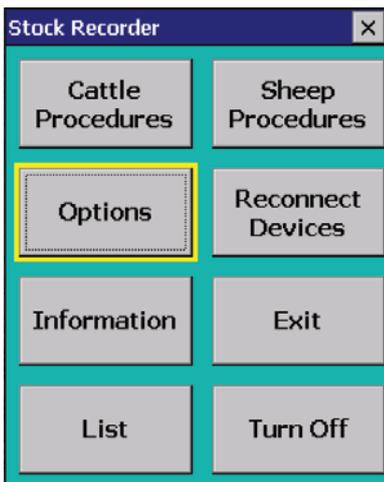
Write down the BSP numbers for each component!



Configure FarmWorks

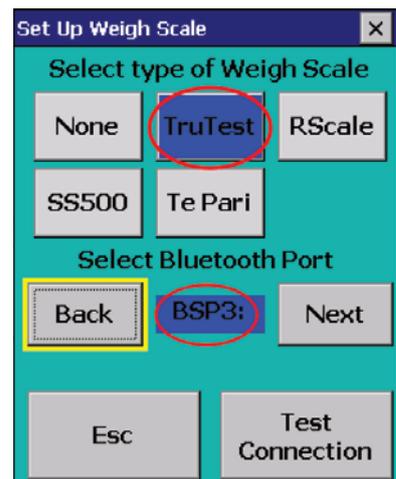
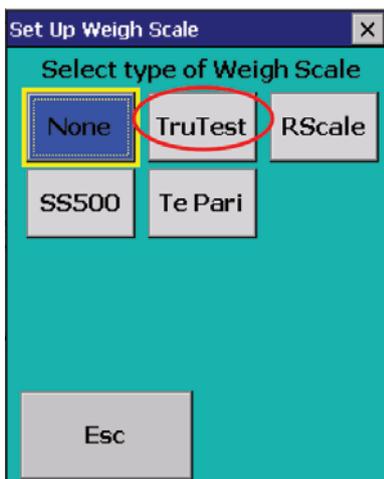
Connect FarmWorks to the EID reader

1. Open FarmWorks on the stock recorder.
2. Select **Options**, then **RF Reader**.
3. Select **Auto EID**.
4. Select the correct Bluetooth port number - the BSP number from the Bluetooth Manager. Click backwards and forwards using the **Back** and **Next** buttons until you find the right BSP number.
5. Click **Test Connection**.
6. The message **Connection Established** means the stock recorder and Agrident EID reader have been successfully connected. Press **Escape** to exit.



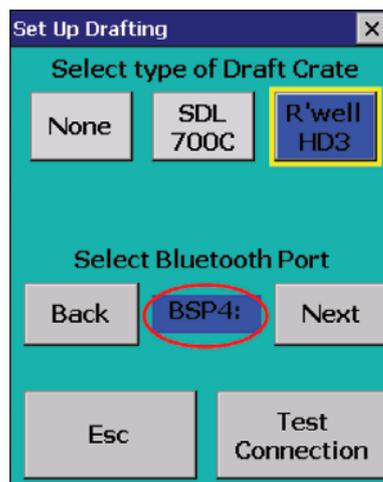
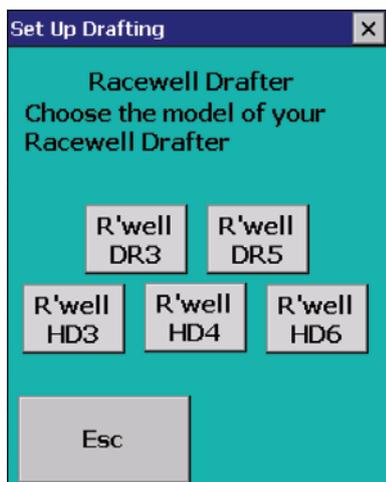
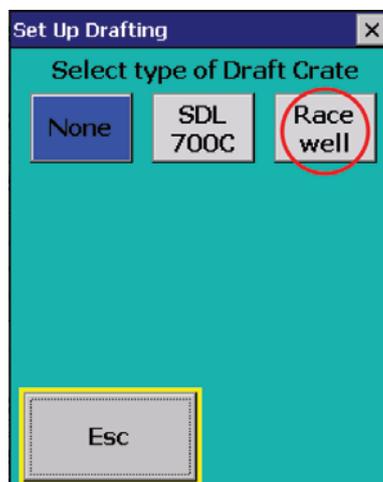
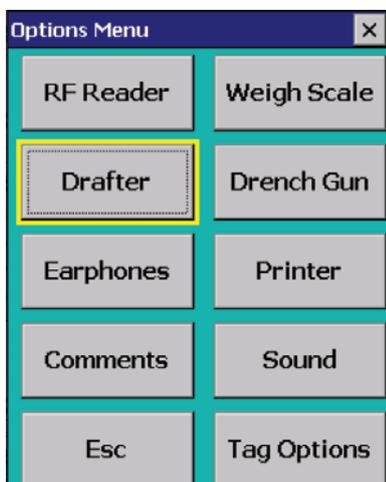
Connect FarmWorks to the weigh scale

1. Select **Options**, then **Weigh Scale**.
2. Select **TruTest**.
3. Select the correct Bluetooth port number - the BSP number from the Bluetooth Manager. Click backwards and forwards using the **Back** and **Next** buttons until you find the right BSP number.
4. Tap **Test Connection**. The message **Connection Established** means the stock recorder and your EziWeigh 7i have been successfully connected. Press **Escape** to exit.



Connect FarmWorks to the drafting crate

1. Select **Options**, then **Drafter**.
2. Select **Racewell**
3. Select the model of your Racewell drafter.
4. Select the correct Bluetooth port number - the BSP number from the Bluetooth Manager. Click backwards and forwards using the **Back** and **Next** buttons until you find the right BSP number.
5. Click **Test Connection**. The message **Connection Established** means the stock recorder and drafting crate have been successfully connected. Press **Escape** to exit.

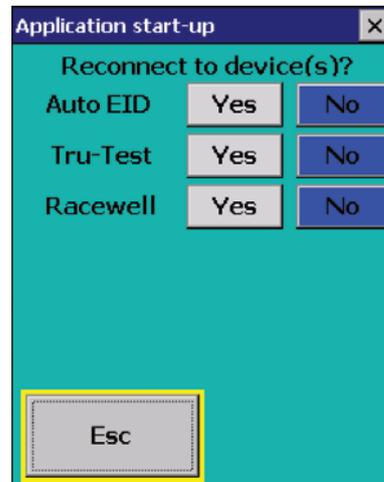
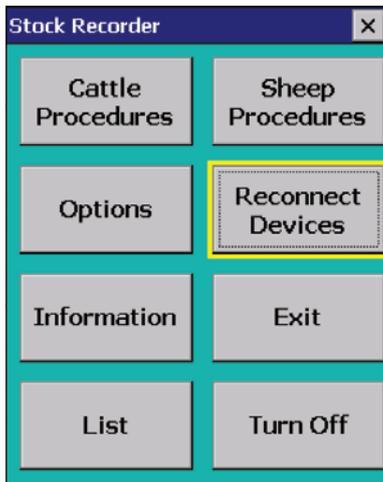


Operating the drafting crate

Read the instructions for setting up the Bluetooth connections before starting. This section deals with the actual operation of the crate after the initial installation.

Re-connect your devices

The Bluetooth link from the stock recorder to the equipment will disconnect if a device is powered off, or if the stock recorder moves out of range. To restore the Bluetooth links, go to Reconnect Devices and tap YES for each device.

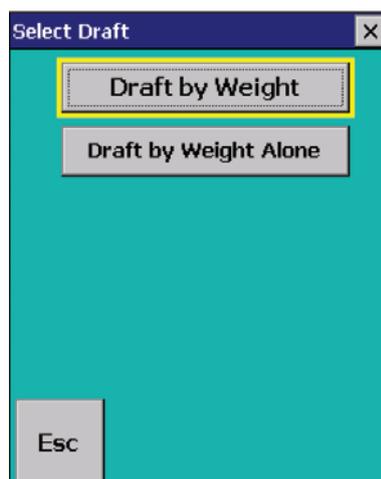
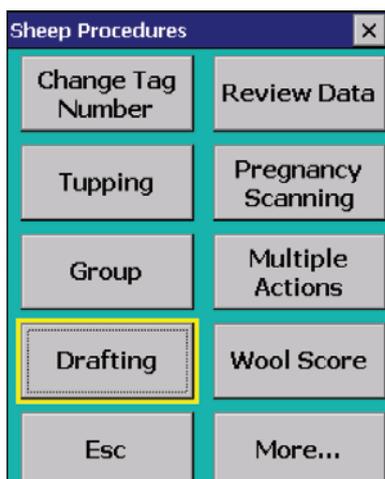


Drafting options

This is the procedure for using the stock recorder and auto drafter to weigh and sort animals based on their weight. If you want to draft animals based on other criteria, like sex or breed, or if you want to separate animals into special groups, then you must do that through a Drafting Setup in FarmWorks on the computer. See the Stock Recorder User Guide for specific instructions on drafting setups.

Draft by Weight

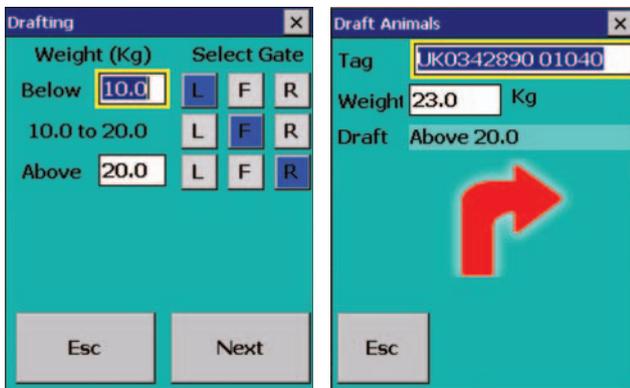
1. On the stock recorder go to **Sheep Procedures > Drafting**.
2. Select **Draft by Weight**.
3. You can choose to save the weight of each animal - Yes or No.
4. You can choose to save the drafted animals into management groups - Yes or No. Tap **Next**.



- Set the weight parameters and select the gates - Left (L), Right (R) or Forward (F). Tap **Next**.
- If you chose to save into management groups then you must type in a name for each group. Make unique names that will be easy to find in FarmWorks. Tap **Next**.
- The in-gate (back gate) of the drafting crate will open for the first sheep to enter, and close behind it.
- The EID number will appear in the Tag field, the weight will show, the appropriate management group is named and an arrow shows the direction of the gate opening.

3-way drafting

HD3 or DR3 = 3 gate options for animals of different weights: R (right), L (left) and F (forward).



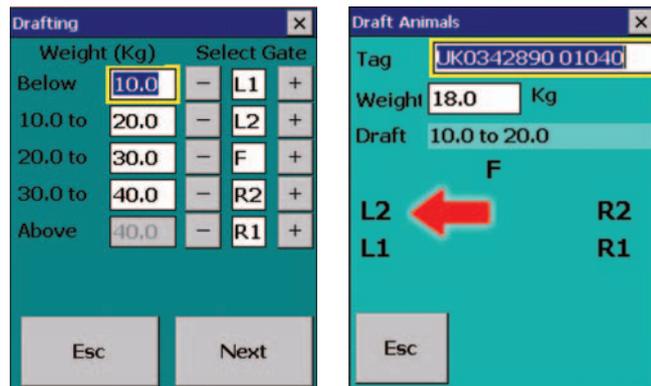
4-way drafting

HD4 = 4 gate options for animals of different weights: R1 and R2 (right), L (left) and F (forward).



5-way drafting

DR5 model = 5 gate options for animals of different weights: R1 and R2 (right), L1 and L2 (left) and F (forward).



6-way drafting

HD6 = 6 gate options for animals of different weights: R1 and R2 (right), L1 and L2 (left) and F1 and F2 (forward).



Draft by Weight Alone (does not record any animal information, only weighs and drafts)

- On the stock recorder go to **Sheep Procedures > Drafting**.
- Select **Draft by Weight Alone**. Set the weight parameters and select the gates. Tap **Next**.
- The in-gate (back gate) of the drafting crate will open for the first sheep to enter, and close behind it.
- Awaiting Next Animal** shows in the tag field, the weight will show, and an arrow shows the direction of the gate opening.



Trouble-shooting Guide

Stock recorder is not receiving tag numbers.

1. Try a test tag. Does the green light flash on the Agrident box?
2. Go to **Reconnect Devices** on the stock recorder. Test the connection.
3. Check the Agrident is connected and powered on. (Is the red light on?)
4. Check the stock recorder has the RF reader **Auto EID** selected. (**Options > RF Reader**)
5. Check the right Bluetooth port is selected for the weigher. (**Options > RF Reader**). Go back to the Bluetooth Manager (see page 2 for guidance) if you are not sure.
6. Move radios, fans, laptops, etc. away if they could interfere with the Bluetooth signal.

Stock recorder is not receiving weights.

1. Go to **Reconnect Devices** on the stock recorder. Test the connection.
2. Check the Tru-Test is connected and powered on.
3. Check the stock recorder has the weigher **TruTest** selected. (**Options > Weigh Scale**)
4. Check the right Bluetooth port is selected for the weigher. (**Options > Weigh Scale**). Go back to the Bluetooth Manager (see page 2 for guidance) if you are not sure.

The clamp will not open automatically.

1. Go to **Reconnect Devices** on the stock recorder. Test the connections.
2. Check the stock recorder has the right drafter selected. (**Options > Drafter**)
3. Check the right BSP number is selected for the drafter (**Options > Drafter**). Go back to the Bluetooth Manager (see page 2 for guidance) if you are not sure.
4. Is the airline connected?

These errors can indicate that Bluetooth ports are cross-linked, or else the stock recorder has lost its Bluetooth connections to the drafting crate. If the stock recorder switched off or was moved out of range it will lose the Bluetooth connection. If the power supply to the drafting crate flickers even slightly then the Bluetooth link will drop, and you need to reconnect. A steady power supply is critical - check your extension leads if you continue to have Bluetooth problems.

1. Check that the Bluetooth port for each device is correct and none are shared.
2. Go to **Reconnect Devices** on the stock recorder. Test the connections.
3. Check the drafting crate still has power (light is on).
4. Check that all cords and plugs are secure. If the power fails for even a split second the Bluetooth connection will be broken.
5. If none of these resolve the problem there may be a fault in the control box. Please contact support.



Technical support

Shearwell Data Ltd
Putham, Wheddon Cross
Minehead Somerset
TA24 7AS

Tel: 01643 841611

Fax: 01643 841628

Email: support@shearwell.co.uk