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get the most out of your

Datamars Tru-Test Devices

things to check before
starting a job.

Generally, we hope that things are set up as needed but here are a few things that we check before every job to make sure we are ready to go.

a.

Open settings then press next page and select weighing settings.

Set to sheep or cattle.
Use averaging if fleece weighing and set to 3 seconds.

Make sure the resolution suits the job
0.5 if body weight and 0.1 if fleece weight.

Select the correct Load Bar type.
If the display reads load bar error, then ensure you select the correct load bar type.

b.

Next open the recording menu and for most EID work make sure to

Select automatic
when weight is stable.

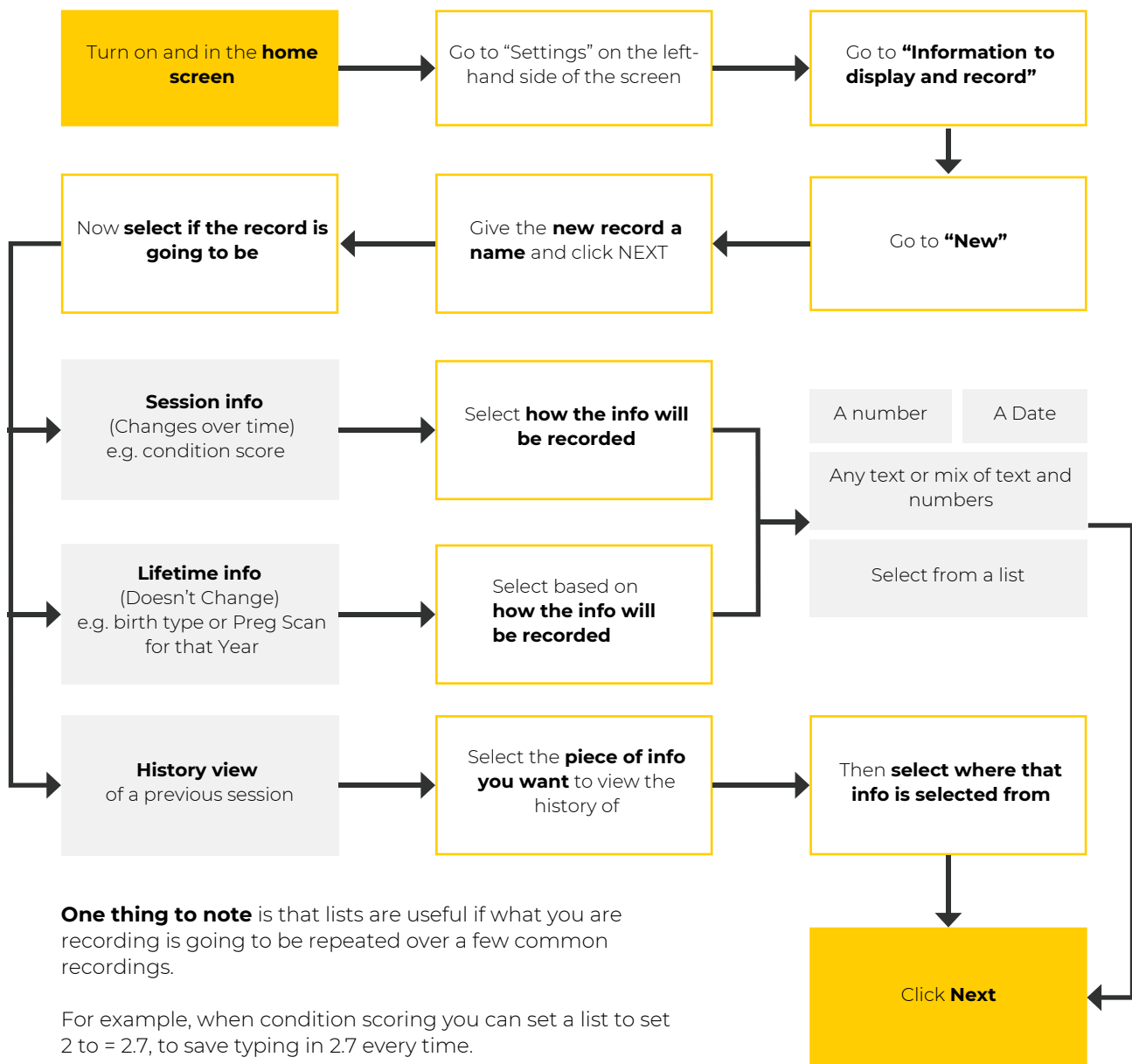**Select ID required**
and wait until ID is received.

c.

Finally open the connection menu

Turn on bluetooth
If you need to connect a bluetooth device such as a stick reader.

Remember only change the USB settings if you are using a barcode scanner for entering the EID numbers.
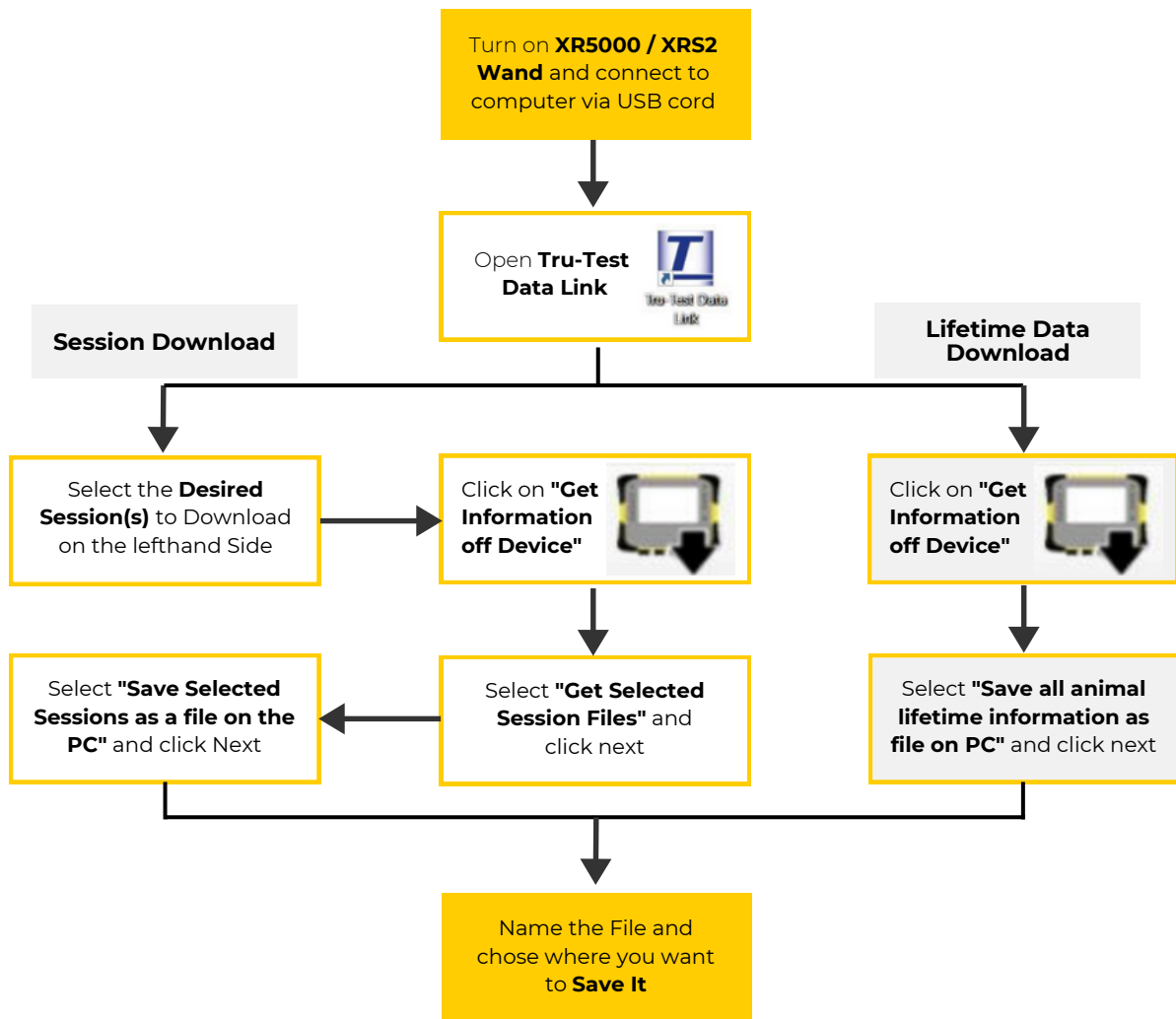
Turn on and in the **home screen**

→

Go to "Settings" on the left-hand side of the screen

→

Go to **"Information to display and record"**

↓

Now **select if the record is going to be**

←

Give the **new record a name** and click NEXT

←

Go to **"New"**

Session info
(Changes over time)
e.g. condition score

→

Select **how the info will be recorded**

→

A number	A Date

Any text or mix of text and numbers

Lifetime info
(Doesn't Change)
e.g. birth type or Preg Scan for that Year

→

Select based on **how the info will be recorded**

Select from a list

History view
of a previous session

→

Select the **piece of info you want** to view the history of

→

Then **select where that info is selected from**

↓

Click **Next**

One thing to note is that lists are useful if what you are recording is going to be repeated over a few common recordings.

For example, when condition scoring you can set a list to set 2 to = 2.7, to save typing in 2.7 every time.

Or if classing you can set Top, Flock and Culls etc. to 1, 2 and 3.

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3.

Downloading Data
Off XR5000 / XRS2 Wand

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Turn on **XR5000 / XRS2 Wand** and connect to computer via USB cord

↓

Open **Tru-Test Data Link**

Session Download

Lifetime Data Download

Select the **Desired Session(s)** to Download on the lefthand Side → Click on **"Get Information off Device"**

Click on **"Get Information off Device"**

Select **"Save Selected Sessions as a file on the PC"** and click Next ← Select **"Get Selected Session Files"** and click next

Select **"Save all animal lifetime information as file on PC"** and click next

↓

Name the File and chose where you want to **Save It**

Pro Tip - This can also be achieved by putting a USB storage device into the XR5000 and following the prompts to save the desired files. Then insert a USB storage device into computer and save to file.

4.

Uploading Data
to a XR5000 / XRS2 Wand

Turn on **XR5000 / XRS2 Wand** and connect to computer via USB cord

Open the file you wish to **Upload to the XR5000 / XRS2 Wand**

An example of a **Raw file** from a Tru Test Device is shown below

	A	B	C	D	E	F	G
1	FileNo: 163						
2	Name:2019 Blue Stone Preg Scanning						
3	Date: 23/06/2019						
4	F11EID(16)isID	C01Animal notes(128)notID	C11Comment(50)notID	C23Preg scan()notID	C24Foetal Age()notID	C34Date(d/MM/yyyy)notID	C44Time(HH:mm:ss)notID
5	EID	Animal notes	Comment	Preg scan	Foetal Age	Date	Time
6	982 126000384501			2	Early	23/06/2019	10:52:51
7	982 126000384478			1	Early	23/06/2019	10:53:09
8	982 126000384285			2	Early	23/06/2019	10:53:27
9	982 126000628184			2	Mid	23/06/2019	10:53:33
10	982 126000384811			1	Early	23/06/2019	10:53:39
11	982 126000384304			2	Early	23/06/2019	10:53:45
12	982 123514713489			1	Early	23/06/2019	10:53:54
13	982 126000627347			2	Mid	23/06/2019	10:54:04

Delete top 5 rows and **columns** with irrelevant info so you are left with the info you need (eg. right)

	A	B	C
1	EID	Preg scan 19	Foetal Age 19
2	982 126000384501	2	Early
3	982 126000384478	1	Early
4	982 126000384285	2	Early
5	982 126000628184	2	Mid
6	982 126000384811	1	Early
7	982 126000384304	2	Early
8	982 123514713489	1	Early
9	982 126000627347	2	Mid
10	982 126000384083	2	Late
11	982 126000627995	Dry	

Save the cleaned file as a **CSV** to upload it onto Tru-Test Device

Open **Tru-Test Data Link**

Click on **"Put Information on Device"**

Select **"Animal Lifetime Information"** and click next

Find the file and **Select OPEN**

5.

Preparing a tag bucket file
to be uploaded to a Tru-Test Device.

a. Finding the Tag Bucket File

Email from EID Manufacturer
Generally your manufacturer will email you a spreadsheet with EID tags matched to VID (Visual ID).

Reference number on Packaging
Most packaging has a reference number that can be entered on the manufactures website to download the tag bucket file.

	A	B	C	D	E
1	Rfid tag #	Printing 1	Printing 2	Printing 3	Colour
2	982 123730919654	190001	Bluestone	2019	YELLOW
3	982 123730919655	190002	Bluestone	2019	YELLOW
4	982 123730919656	190003	Bluestone	2019	YELLOW
5	982 123730919657	190004	Bluestone	2019	YELLOW
6	982 123730919658	190005	Bluestone	2019	YELLOW
7	982 123730919659	190006	Bluestone	2019	YELLOW
8	982 123730919660	190007	Bluestone	2019	YELLOW
9	982 123730919661	190008	Bluestone	2019	YELLOW
10	982 123730919662	190009	Bluestone	2019	YELLOW

b. Preparing the Bucket File for Upload

Delete all Irrelevant information
All columns except for the the two containing EID and VID can be deleted

Change Titles to EID and VID
Change headings from Rfid tag # to EID and Printing 1 to VID

Save File as a CSV and Upload
Save file as a CSV and upload to the Tru-Test Device as Animal Lifetime information.

	A	B
1	EID	VID
2	982 123730919654	190001
3	982 123730919655	190002
4	982 123730919656	190003
5	982 123730919657	190004
6	982 123730919658	190005
7	982 123730919659	190006
8	982 123730919660	190007
9	982 123730919661	190008
10	982 123730919662	190009

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Setup your Tru-Test Device for Sucess
Consistency is Key

Once you are clear about what measurements you want to record with EID, it is important that you set up your Tru-Test device so you are consistent in the way you record this information.

Creating a data recording template, using a naming convention under headings, is a great way to ensure data is recorded correctly and can be utilised in the future for events including classing or drafting.

The Table below shows some common Traits and how they could be recorded.

EID	VID	Breed	Sex	Sire	BT	Class	WWT	YWT	YCS	Join Sire	Preg Scan	Lamb Lost
982 123770248775	220001	Merino	M	Ram 1	1	Maternal				Ram 1	0	1
982 123770248770	220002	Composite	F	Ram 2	2	Terminal				Ram 2	1	
982 123770248825	220003	1st X		Syd 1	3	Cull				Syd 1	2	
982 123770248815	220005	Terminal										
982 123770248838	220006											

Consistent headings are key- For example, if pregnancy scanning is usually recorded under "Preg Scan", as shown in the example template above, but was recorded under "Preg Status" for one mob, when the data is download and analysed the data for that mob would be under the separate heading in excel. If you wanted to set your XR5000 to draft on "Preg Scan", it would not draft the animals that had their pregnancy recorded under "Preg Status". Consequently, it would require extra manipulation in excel to realign the data under a consistent heading (ie. "Preg Scan"), for analysis or to be reuploaded to the XR5000 to draft with.

Consistent naming under headings is important - If under the trait "Preg Scan" was recorded as the words, dry, single, twin for one year and a draft file was set up on Preg Scan to draft 0, 1, 2 it would not draft out the animals that had the data recorded as dry, single, twin.

Set a Plan early, as shown in the table above, to ensure data is recorded consistently to prevent issues down the track.
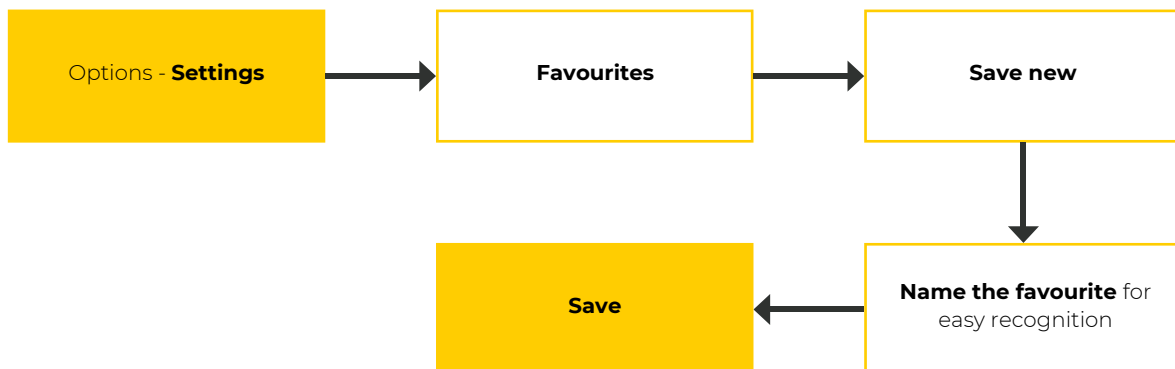
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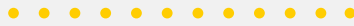
If you have created a session with information and settings you want to use again, save it as a favourite to save time in the future.

Options - **Settings**	→	**Favourites**	→	**Save new**

Save	←	**Name the favourite** for easy recognition

Now when you start a new session and select "Use Favourite setup", you should find the name of the Favourite you just created.

Favourites are particularly useful for ensuring information is collected consistently, especially when multiple people are using the XR5000.

7.

quick
data analysis.

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When in a session you can **compare the information** you are recording to previous sessions.
eg. Preg Scan 18 vs Preg Scan 19.

Go to Session on the left of the screen.

The **session title appear with the statistic** (usually weight as default).

Then go to **Statistics.**

There will be **two drop down boxes where you can select** what is trait or information is being displayed.

Go **down to the first box so that it is highlighted** – press enter and select the trait of piece or recording you wish to look at.
eg. Preg Scan 18.

This **can be great to compare joining mobs, ages of animals or visual classes against production factors** like Condition Score or Pregnancy Status.