



ANIMAL PERFORMANCE SOFTWARE (APS) **STANDARD**

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Animal Performance Software (APS) - Standard User Manual
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INTRODUCTION

Gallagher Animal Performance Software (APS) is a valuable accessory to your TSi 2 Livestock Manager, Weigh Scale or Reader.

APS is software that can be run on a PC or laptop. It comes in either a Standard (basic) or Professional (advanced) versions.

With APS you can perform the following functions:

- Transfer data between the PC and the connected device via WiFi, Bluetooth, USB or Serial in either direction.
- View and Edit animal Life Data.
- View and Edit all Traits, Activities and Notes recorded against an animal.
- Add Notes
- Create Traits and Activities.
- View Weight Gain graphs, Trait or Activity graphs.
- Filter animals, to show specific groups of animals.
- Import and export animal data.
- Create a planned Draft List (Sort List).
- Process national traceability transactions. (NAIT, NLIA or CCIA)
- Prepare advanced reports using animal data imported from the connected device.

INSTALLING ANIMAL PERFORMANCE SOFTWARE

Operating System Requirements

APS can be run on a PC/laptop using the following operating systems:

- Windows Vista 32-bit / 64-bit
- Windows 7 32-bit / 64-bit
- Windows 8 32-bit / 64-bit
- Windows 10 32-bit / 64-bit

Installing APS

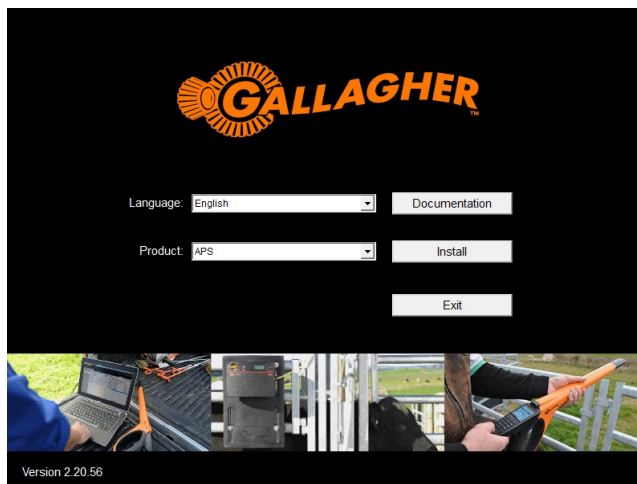
APS requires .Net Framework 3.5, Windows Installer 3.1 and CrystalReports 10_5 to run. If these programs are not already installed on your PC/laptop, they will be installed during the installation procedure. Installing these programs takes several minutes and may require that you re-start your PC/laptop.

Note: If your PC is connected to the internet, your PC may attempt to download additional updates required by the APS software.

Before you install the APS software, make sure that you close any open applications on your PC.

To install the APS software, complete the following procedure:

1. Insert the APS CD into the CD Drive on your PC. After a few seconds the CD installation screen displays.



Note: If installation does not begin automatically, browse to the CD from **My Computer** and double-click the file named **APSOOfficeSetup.exe**.

2. Check the **Language** and **Product** fields are correct or use the drop down arrows to select the required language and products to be installed.
3. Click **Install**, the Setup Wizard will guide you through the steps required to install APS.

Note: If not already installed, two device drivers and crystal reports will initially install before installation of APS. A message may appear **Driver package added successfully**, click **Close**.

4. Click **Next** to proceed to the license agreement screen and select **I Agree** to enable the **Next** button.
5. Click **Next** to proceed to the screen where you are able to specify where the APS program files will be copied to.
6. Do you want to change the installation folder?
 - Click **Next** to continue with the default settings.
 - Click **Browse** to change the installation.
7. Once installation has been confirmed, click **Next** to begin the installation process.
8. The Setup Wizard tells you when it has finished installing the files. Click **Close** to exit the Setup Wizard.
9. Remove the APS CD from the CD drive.

Note: The APS icon (shortcut) is added to your desktop. A shortcut is also added to the Start menu: Start > All Programs > APS.
A shortcut to the APS Standard manual is also added to your desktop.

GETTING STARTED IN APS

Opening APS on the PC

Double-click the APS icon on the desktop.



Alternatively:

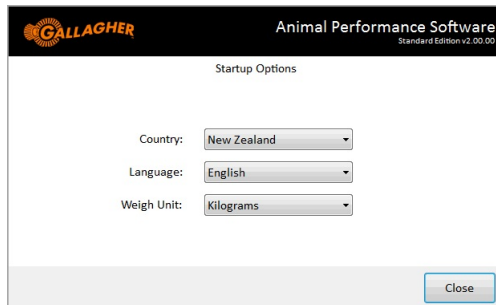
- Click on the Windows **Start** menu button.
- Select **All Programs**.
- Select the **APS** folder.
- Click **APS**.

If this is the first time use of APS, you will be asked to select Country, Language and Weigh Unit for your device. See *First Time Use* (p 4) for more details.

If APS has not been registered, the Registration window will be displayed. See *Registering APS* (p 5) for more details.

First Time Use

The **very first time** APS is opened, the following startup screen will be displayed.



1. You may need to choose your **Country** and **Language** from the drop down menus if different to the defaults.
2. Select the **Weight Unit** to be used if different to the default.
3. Click on **Close** to accept changes.

Note: This screen is only available one time, when APS is first opened. Ensure these settings are correct before closing the screen.

Registering APS

If your version of APS has not been registered, the registration window will be displayed.

- Each time APS is opened, the registration screen will display until a registration code is entered.

The screenshot shows a registration dialog box for Gallagher Animal Performance Software. The title bar includes the Gallagher logo and the text 'Animal Performance Software Professional Edition (Trial) v2.30'. The main content area contains the following text: 'Veuillez enregistrer ce produit. Pour procéder à l'enregistrement, cliquez sur le lien ci-dessous pour accéder au site Web de Gallagher. Saisissez vos coordonnées pour recevoir une clé d'activation unique que vous devrez saisir dans le champ ci-dessous.' Below this text are three input elements: a 'Register Now' button, a 'Code système:' field containing the value 'BE389AE225', and an empty 'Clé d'activation:' field. At the bottom of the dialog, there is a 'Quitter' button on the left, a red warning message 'Il vous reste 27 jours avant l'enregistrement obligatoire de votre produit.' in the center, and a right-pointing arrow button on the right.

- To continue to use APS without registering at this time, click the right arrow button at the bottom of the screen.
- To register APS now, see *Complete Registration* for further steps.

Note:

You have 30 days to register APS. After this time you will not be able to use APS until registration has been completed. During the 30 day trial period, all features of APS Professional are available for use. At the end of this trial, the features of APS may be limited to those of the software level registered.

Complete Registration

To complete the registration process via the internet:

1. On a PC, click on the **Register Now** button in the APS registration screen, to open the URL in the PC's default browser.

OR

From the **Configure > Upgrade** screen, click on the website link (or manually enter the Gallagher registration web address <http://www.gallagherams.com/product-registration.aspx>) to open the URL in the PC's default browser.

2. Follow the online steps to complete registration and receive an Unlock code.

Note: The System Code displayed on the registration screen must be entered in order to receive an Unlock Code.

3. Enter the code received into the **Unlock Code** field.
 - If entering the Unlock code using the keyboard, a red cross will appear after each character, until the whole code has been entered correctly. A green tick will appear next to the Unlock Code box, indicating a successful code entry.

Tip: To avoid transcription errors, copy and paste the Unlock code into the Code field.

4. From the Registration screen, click the **right arrow** button to continue, OR if you are upgrading your current version, click **OK** on the confirmation message and restart APS.

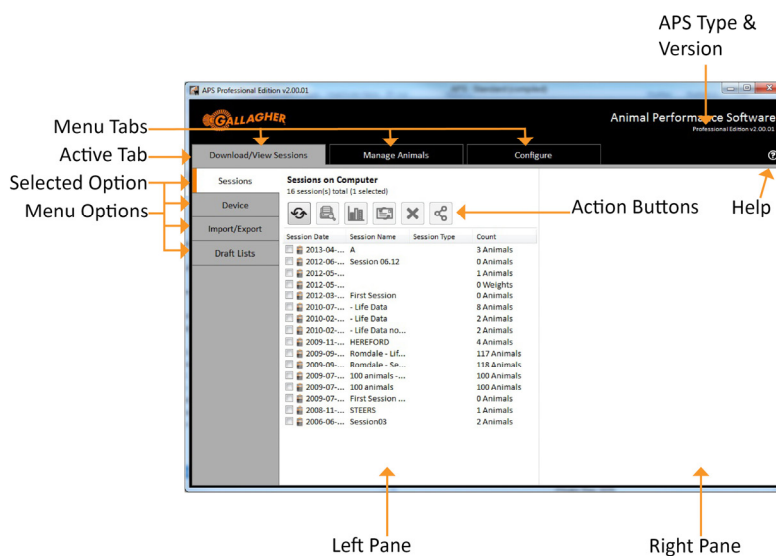
Note: Clicking the **Exit** button at any stage will close the APS application.

THE MAIN SCREEN

Buttons and Tabs

The functions of APS are accessed through the menu tabs across the top of the screen.

The main screen consists of two panes. The light grey line separating the panes can be resized and the size of each pane is remembered the next time the program is opened. The data in the left pane is grouped data (e.g. sessions, draft lists) and when one item is selected, the contents (e.g. animal data) will be displayed in the right pane.



This table describes the menu tabs available on the screen.

Tab	Description
Download/View Sessions	Sessions can be downloaded from the device, viewed, graphed, emailed, shared and deleted. See <i>Download/View Sessions</i> (p 8) for more information.
Manage Animals	This tab is only available to Professional Edition users and gives access to more animal information and more advanced statistics and reporting.
Configure	This option enables you to control default settings, upgrade your version, create and restore file backups, and set up trait tables, life data and activities. See <i>Configure tab</i> (p 27) for more information.

Note: When selecting Download/ View Sessions or Configure tabs, a menu will be displayed on the left side of the screen.

DOWNLOAD / VIEW SESSIONS

When the Download/View Sessions tab is selected, the following menu options available are displayed on the left.

Menu Options	Description
Sessions	Displays a list of all sessions currently in the database on the PC. Sessions can be reported on, graphed, deleted or shared. See <i>Sessions</i> (p 8) for more details.
Device	Connect or disconnect a Gallagher device to APS. If a device is found and successfully connected, animal data can be copied to or from that device from the APS database. See <i>Device</i> (p 29) for more details.
Import/Export	Allows you to import and export session files and other animal information. See <i>Import / Export</i> (p 17) for more information.
Draft Lists / Sort Lists	Displays a list of the available draft lists in APS. (May be referred to as Sort Lists on some devices). See <i>Draft Lists</i> (p 22) for more details.
Copy Database	Allows you to copy the APS database (backup) or restore a database to APS. See <i>Copy Database</i> (p 25) for more details.

Sessions

This option displays a list view of all sessions currently in the database on the PC under **Sessions on Computer** (on the left hand pane) and allows individual sessions and animal data to be viewed.









The screenshot shows a software interface with three main tabs: 'Download/View Sessions', 'Manage Animals', and 'Configure'. The 'Sessions on Computer' pane is active, displaying a list of 16 sessions. The list has columns for Session Date, Session Name, Session Type, and Count. The right pane is currently blank.

Session Date	Session Name	Session Type	Count
2013-04-...	A		3 Animals
2012-06-...	Session 06.12		0 Animals
2012-05-...			1 Animals
2012-05-...			0 Weights
2012-03-...	First Session		0 Animals
2010-07-...	- Life Data		8 Animals
2010-02-...	- Life Data		2 Animals
2010-02-...	- Life Data no...		2 Animals
2009-11-...	HEREFORD		4 Animals
2009-09-...	Romdale - Lif...		117 Animals
2009-09-...	Romdale - Se...		118 Animals
2009-07-...	100 animals - ...		100 Animals
2009-07-...	100 animals		100 Animals
2009-07-...	First Session ...		0 Animals
2008-11-...	STEERS		1 Animals
2006-06-...	Session03		2 Animals

The following actions can be made on this screen:









- Selecting one session, will display the contents of that session in the right pane. If more than one session is selected the right pane will remain blank.
- The columns can be sorted by clicking on the column header and resized to view more details.
- Double-clicking on a session will open it into a separate **Session Viewer** window.
See *Session Viewer* (p 11) for more information.

The following actions can be performed on session data via the menu buttons:

Buttons	Description
Refresh 	Click Refresh to recreate the session list. This may be necessary when changes have been made outside of APS.
Print Preview 	Click on the Print Preview button. Select the Output Option for your report, including paper and orientation if report to be printed. The selected session(s) will be displayed for printing. To print the session report, click on the printer icon in the top right of the screen or Close to exit the screen. If more than one session was selected, click OK to display or process the next session.
Graph Sessions 	If more than one session is selected, a graph displays each session's total weight and average ADG. The graph information is only relevant to session files that contain weight data.
Email Sessions 	Each selected session is exported to a CSV file. The temporary file is attached to an email message using your PC's email application.
Delete Sessions 	Select the session/s to be deleted and click on the Delete button. You will be asked to confirm the deletion.
View 	View details of the selected session (Session Viewer) or recorded data for a selected animal (View/Edit animal). Refer to <i>Session Viewer</i> (p 11) or <i>View/Edit Animal</i> (p 13) for further details.
Share Session data 	Send session data to or retrieve session data from an external database. Note: Data cannot be shared unless Share has been enabled in the Configure menu.
NAIT /NLIS /CCIA 	The country code set in Configure > General , will determine the icon displayed here, used to generate transactions for country specific national traceability schemes.

Session Viewer

The following actions can be performed on the Session Viewer window in addition to those on the **Sessions on Computer** window:

Buttons	Description
New Session 	Select to open a new empty session file.
Open Session 	Browse for an existing session to open in the Session Viewer.
Export 	Selected session files can be exported to a CSV (comma Separated Values) file. Refer to <i>Import / Export</i> (p 17) for more details.
Copy selected data 	Selected data can be copied and used in other applications.
Delete Selected Animal 	Selected animals can be deleted from a session. A confirmation message is displayed indicating the number of animals to be deleted. Click Delete to confirm. Refer to <i>Delete an animal</i> (p 14) for more details.
Find text in grid 	Use to search for alphanumeric text in a list of animals within a selected session.
Show session statistics 	Using the selected animals, choose from General Statistics (which includes average, number, total, highest and lowest weight and average ADG), Manual Draft (where 2 or 3 way drafting can be selected) or Draft Statistics (where the statistics are broken down into groups).
Show session reports 	View Animal History, Target Date and Date History reports for selected animal(s). See <i>Session Reports</i> (p 12) for more information.


Session Reports

APS Standard includes several useful reports for displaying (and printing) animal history and analysing weight gain.

Reports that can be generated are:

- **Animal History Report**
Shows the history of records for the selected animal(s). All traits, life data, activities and notes will be compiled into this report.
- **Target Date Report**
Shows the estimated weight the animal will reach, at a specified target date, based on current ADG.
- **Target Weight Report**
Shows the estimated date on which the animal will reach a specified target weight based on current ADG.

To generate a report:

1. From the Session Viewer window, select Session Reports icon .
2. Click on a report type.
3. Select the information to appear on the report or how the report should be displayed and click on **Report**.


The report will be displayed on screen and can be printed using the printer icon at top left of screen.

View/Edit Animal

The View/Edit Animal screen shows all recorded data for a single animal and enables you to:

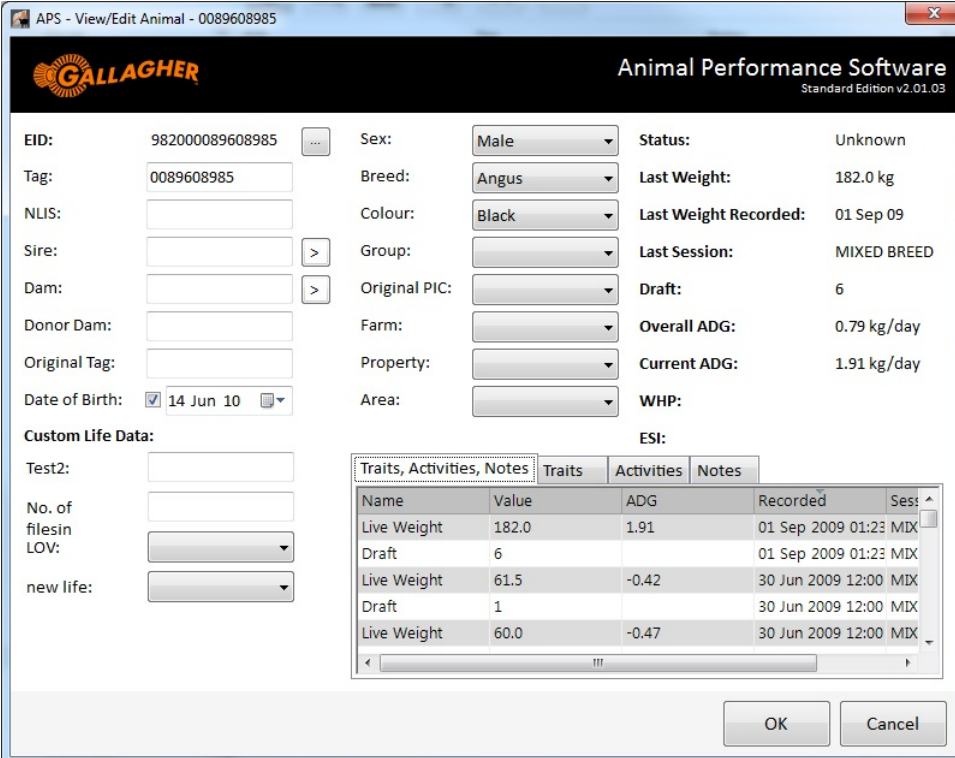
- view and edit the animal's Life Data
- view the animal's sire or dam
- view all Traits, Activities, and Notes recorded against the animal
- add Notes

To open the View/Edit Animal screen, select an animal from a session and either:

- select the **View/Edit Selected Animal** button , or
- double-click the selected animal (row), or
- right-click the selected animal and select **View Animal Information**.

The View/Edit Animal screen

Below is an example of the View/Edit Animal screen:



Animal Performance Software
Standard Edition v2.01.03

EID: 982000089608985 Sex: Male Status: Unknown
 Tag: 0089608985 Breed: Angus Last Weight: 182.0 kg
 NLIS: Colour: Black Last Weight Recorded: 01 Sep 09
 Sire: Group: Last Session: MIXED BREED
 Dam: Original PIC: Draft: 6
 Donor Dam: Farm: Overall ADG: 0.79 kg/day
 Original Tag: Property: Current ADG: 1.91 kg/day
 Date of Birth: 14 Jun 10 Area: WHP:

Custom Life Data: ESI:

Traits, Activities, Notes		Traits	Activities	Notes
Name	Value	ADG	Recorded	Sex
Live Weight	182.0	1.91	01 Sep 2009 01:23	MIX
Draft	6		01 Sep 2009 01:23	MIX
Live Weight	61.5	-0.42	30 Jun 2009 12:00	MIX
Draft	1		30 Jun 2009 12:00	MIX
Live Weight	60.0	-0.47	30 Jun 2009 12:00	MIX

OK Cancel

To record or edit a Life Data value:

- Click the relevant *Life Data field* drop-down arrow and select a value, or enter a text value.

To record a Note

The Animal Information tabs display the Traits, Activities, and Notes recorded for the current animal.

Traits, Activities, Notes				
		Traits	Activities	Notes
Name	Value	ADG	Recorded	Sess
Live Weight	182.0	1.91	01 Sep 2009 01:23	MIX
Draft	6		01 Sep 2009 01:23	MIX
Live Weight	61.5	-0.42	30 Jun 2009 12:00	MIX
Draft	1		30 Jun 2009 12:00	MIX
Live Weight	60.0	-0.47	30 Jun 2009 12:00	MIX

To add a Note:

1. Select the Notes tab.
2. Click **Add Note**.
3. Type in the note details and update any other information.
 - If the note is to popup as an alert when the animal tag is read, tick the **This note is an alert** check box. There can only be 1 alert on an animal.
4. Click **OK**.

If using the Professional version of APS, traits, activities, life data and notes can also be added using the View/Edit Animal button in APS Office. See *Recording a Trait, Activity or Note* section in the *APS Professional Manual* for more details.


Delete an Animal

When an animal is deleted from a session, all data recorded in the session is deleted. If the animal is not present in any other session, all animal information will be permanently deleted from the database.

CAUTION: The delete process is not reversible. All animals selected will be deleted, ensure you have selected the appropriate animals.


Follow these steps to delete an animal from the database:

1. From the Sessions on Computer – Animal List (right pane) or Session Viewer window;
 - Select the animal/s that you want to delete.

Note: More than one animal can be deleted at a time.
2. Click the **Delete Selected Animal(s)** button , OR;
Right click and select **Delete Selected Animals** .
3. Click **Delete** to permanently remove the animal/s from the database.
 - To cancel the deletion, click **Close**.

Device

When the **Device** tab is selected, PC sessions are listed in the right hand pane, with the same menu functions available as outlined in the *Sessions* (p 8) section. The left hand pane will show information stored on the connected device.


The first time this tab is selected after the application is opened, any connected device is automatically discovered. Leaving this tab and returning to it later will require the screen to be refreshed via the **Refresh** button  to discover any connected device.

Note: Draft Lists can be transferred or copied to the device, they are not included in a Data Synchronisation. See *Data Synchronisation* (p 30) for more information.

To connect to a device

1. Connect device to the computer using supplied cable or via WiFi.



Note: To connect by WiFi, ensure your device is in discoverable mode and your computer or laptop is set to WiFi.

2. Click on the **Refresh Devices** icon . A search for the connected device will begin.

If a reader or scale is detected, an image and description of the connected device will be displayed. Click on the **device image** to confirm the connection.


To view Sessions or Draft Lists

Buttons at the top right of the screen allow you to select which data you want to view.

- Select **Show Sessions** icon  (default) or the **Show Draft Lists** icon  to determine which information is shown in each pane.

To transfer files from device to computer

1. Once connected, the left hand pane will display a list of sessions. All the sessions on the connected device that have not been uploaded to APS in the past, will be checked, ready to import.

2. Click on the **Import** button  to transfer selected sessions to APS. You will be asked to confirm your selection.


OR

Right click on selected sessions and select **Copy to APS**.

3. When import complete, a summary of the imported records will be displayed.

To transfer files from computer to device

Note: Draft Lists can be transferred to the device in the same way as sessions.

1. From the right side of the screen under **Sessions on Computer**, check the tick box of the session(s) to be transferred.
2. Click on the **Export** button . You will be asked to confirm your selection.

OR

Right click on selected sessions and select Copy to device.

3. When export complete, the exported files will be displayed under **Sessions on (device)**.

Notes:

Files can also be imported or exported by using the mouse to **drag and drop** files from or to the left and right hand panes.

Use the right mouse click menu to select or deselect all sessions, rename a session, add extra information and access other options.

To disconnect a device

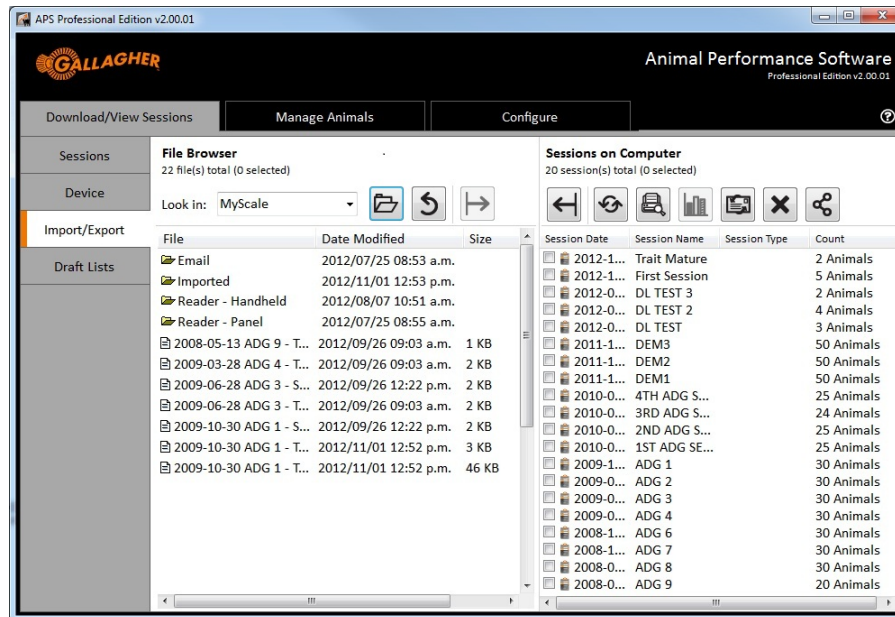
On the left pane, click on the **Disconnect** icon  You will return to the Connected Equipment window.

Import / Export

This option imports sessions from, and exports the selected sessions to, a CSV (Comma Separated Values) or TXT file.

Selecting the **Import /Export** menu option will display a PC **File Browser** in the left pane and **APS Sessions on Computer** in the right pane.



Note: Files can be dragged from an email or desktop file onto the file browser.



File Browser (Left pane)

The list contains files and folders with CSV and TXT files contained in the current folder.



You can change the folder by:

- Selecting a drive from the drop down arrow.
- Using the **Browse** button  to select another folder.
- Selecting the **Back to Previous**  button if there was a previous or parent folder.

Importing

To import a file

The following procedure can be used to import a session file or a draft list file.

1. From the Download/View Sessions tab, select **Import/Export** and select a file or files to import.
2. If the required file/ folder is not displayed you may need to **Browse** to locate the file containing the animal data to be imported.
 - Select a file or files to import.
 - If you are importing into a draft list, select the Show Draft Lists icon  at the top right of the screen.
3. Click the **Import** button .

Alternatively:

Right mouse click on a selected session and click **Import** from the displayed menu, or drag and drop the file to the right hand pane.

4. The Import Mappings window will open. This allows the data contained in the imported file to be matched to the appropriate data item in APS.



File Column Header	Type	Name
Electronic Tag	Animal ID	Electronic ID
Animal Number	Animal ID	Tag Number
Weight (kg)	Trait	Live Weight - kg
Condition	Trait	Condition
Animal Notes	Note	
Draft Flag	Draft Group	

- If the imported file does not contain a header row (i.e. column labels), deselect the checkbox **Has header row** at the top right of the window. APS Office will attempt to automatically match the 'Header Row of Import File' with a 'Type' and 'Name'. If no match can be found for a header row then the corresponding fields will be left blank and will need to be specified manually.
- When importing a Draft List file, on the *Draft Flag* File Column Header drop down list, select **Planned Draft Group**. The animals will automatically be put into the intended draft (sort) groups.
- If the import file is a Tag Bucket File, select the **Tag Bucket** option at the top of the screen. A different Import Mappings screen will be displayed. Refer to *Importing Tag Bucket Files* (p 20) for further details.

Note: An Animal ID field must be selected to enable the **Next** button. A duplicate 'Field Name' cannot be selected, as each APS data item can only be assigned to one import field.

- If the import file is an APS Animal History file, select the **Animal History** option at the top of the screen. The Import Mapping screen above will be replaced as APS automatically detects Animal History columns when importing.

5. Click **Next**.

The Import Settings window will open.

- Choose which of the imported ID fields should be used to identify each animal during import from the options listed.
- To apply an event to each imported record;
 - a) select the **Assign Event/Event note** checkbox.
 - b) select an event from the drop-down list. You can also enter a note for each event.
- You can import animal data into an existing session, or create a new session. Use the options presented to specify how this information will be added to the APS database.

Notes:

- Each animal that is imported into an existing session is deemed to have been identified in the session.
- If importing more than one file at a time, the option to apply the same settings to all files will show as a check box at the bottom of the window.
- Fields are disabled when importing an Animal History file.

6. Click **Next**.

The Import settings you have selected will be displayed showing the file type, name and destination.

7. Click **Import**.

The Import File(s) dialog box will open showing the number of session files being imported.

Note: When importing a Draft List file both a session and draft list are created.

8. Click **Close** to exit the Import Sessions window.

Importing Tag Bucket Files

When importing a Tag Bucket File the following screen will be displayed instead of the Import Mapping screen. See *To Import a File* (p 18) for further details.

1. To change the VID tag format:
 - Select and re-order the fields of the VID tag by using the arrows.
 - To change the delimiter, use the down arrow on the **Delimiter** box.


The changed format will be displayed in the **Example format** box.

2. Continue with step 5. of *To Import a File* (p 18).

Note: If the file being imported is a tag bucket file, the only fields imported are the EID and VID.

Exporting

To export a file


1. From the Download/View Sessions tab, select **Import/Export**.
2. Under the **Sessions on Computer** column (right pane):
 - Select the checkbox of the session/s to be exported. The Export button will be enabled.
3. Click the **Export** button .

Alternatively:

Right mouse click on a selected session and click **Export** from the displayed menu, or drag and drop the selected files to the left hand pane.

4. The Export dialog box will open.
 - The path of where the file/s are being exported to is displayed (this can be changed by selecting the Browse button)
 - Select the type of export file to be created from the **Output Format** drop down list.
 - If a weight file is included, select the unit the weight trait will be displayed in.
5. Click **Export** to start the process. When complete, the screen will display a list of files that have been created and whether any records failed to export.
 - To view the created files, click **Open Folder**.
6. Click **Close** to exit the Export Sessions screen.

Exporting a Draft List







1. From the Import/Export tab, select the **Show Draft Lists** icon  .
The right pane will change to show the **Draftlists on Computer**.
2. Select the draft list(s) to be exported.
3. Click the **Export** button.
The Export Draft Lists screen will be displayed, showing the draft list to be exported.
4. Click **Export**.
The number of exported records and exported file names will be displayed.

Draft Lists

Selecting the **Draft List** menu option, will display a list of all available draft lists in APS. (Also known as Sort Lists on some devices.)



- The left hand pane will show all draft lists in APS.
- The right hand pane will show the detail of the selected draft list.

The following options can be actioned:

Buttons	Description
Refresh 	<ul style="list-style-type: none"> • Click Refresh to re- populate the table of draft lists.
Add a new draft list 	<ul style="list-style-type: none"> • Click Add New to create a new draft list. • Enter a Draft List Name. • Rename any of the Groups if required and click OK to save.
Copy a draft list 	<ul style="list-style-type: none"> • Select a draft list to be copied. • Click on the Create Copy button. • Rename the copy and click OK. This will create a new draft list, including all the animals from the source draft list. • The list of draft lists will be updated.
Delete 	<ul style="list-style-type: none"> • Select the draft list(s) to be deleted and click on the Delete button. • You will be asked to confirm the deletion.
Edit a draft list 	<ul style="list-style-type: none"> • Select a draft list and click Edit. The Edit Draft List screen will open. • Make changes to the name of the draft list and groups. • Click OK,
View 	Use this option to compare a draft list against a session. See <i>View Animals in a Draft List</i> (p 24) for more details.

If one draft list is selected, the draft list contents will be displayed in the right pane on the screen.

The following options may be available from the draft list contents pane depending on whether the list is editable or not. (A draft list is not editable if it is used on a session and will display Read Only next to the name).


Buttons/Field	Description
<p>Add animals</p> 	<ul style="list-style-type: none"> Click the Add button to add animals to the draft list. Select a session from the list. The animals in that session will be displayed. Ensure the animals to be added to the draft list are selected and click OK. The Add Animals to Draft List confirmation screen will display the number of animals being added to the list. Use the drop down box to assign the animals to a group. Click OK. <p>Note: Button only enabled if draft list is editable.</p>
<p>Remove Animals</p> 	<ul style="list-style-type: none"> Select a draft list in the left pane. Ensure animals to be deleted are selected. Click the Remove Animals button. You will be asked to confirm the removal of the animals.
<p>Assign group</p>	<ul style="list-style-type: none"> Select an animal(s) to assign a group to. Click on the drop down arrow on the Assign Group box and select a group. The group value will be assigned to the selected animals.

Add animals to a draft list

Animals can be added to a draft list from either the Session Viewer or by selecting one session on the Sessions tab, and using the right-click menu on the selected animals;

1. Select the animals to be added to a draft list.
2. **Right click** on any selected animal and select **Add selected to Draft List**.
3. Select the draft list the animals are to be added to.
4. If the animals are to be assigned to a gate or group number, select a group from the drop down list.
5. Press **OK**.

View animals in a draft list

1. To compare a draft list against a session, from the Draft Lists menu option, select a draft list and either;
 - right click on the draft list and select **View Session** or;
 - select the **View Draft List Session** button .

Note: Only 1 draft list can be selected.

2. From the popup list, select a session to be compared with the draft list and click **OK**.

The Session Viewer window is displayed.

Selected	Draft	Electronic ID	Tag	Note	Scanned Date	Planned Draft	Draft List Status
<input type="checkbox"/>	Others		ASDD		07 Mar 2014 10:5		Extra
<input type="checkbox"/>	Others		C	Draft decision due	20 Jan 2014 11:47	Group 1	Seen
<input type="checkbox"/>	Group 3	55400000002000	A		15 Jan 2014 02:39	Group 3	Seen
<input type="checkbox"/>	Group 2	55400000001999	B			Group 2	Unseen

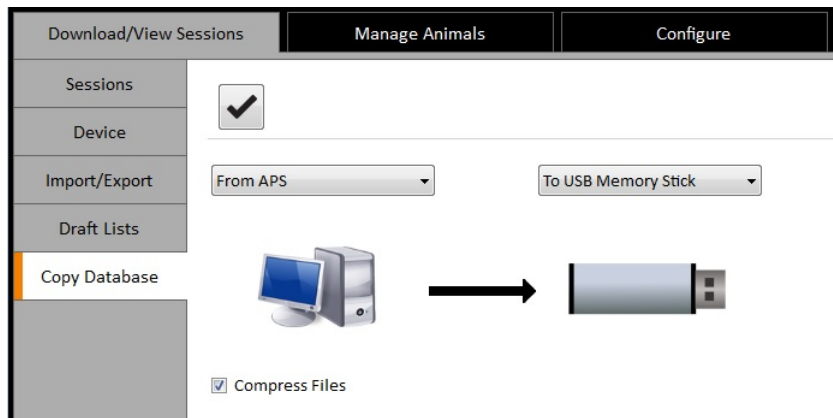
All animals in the chosen session are compared to the animals in the draft list.

The colours determine the draft status.

Colour	Description
Black	Animal has been seen in the session and in draft list and drafted according to planned draft (i.e. Draft = Planned Draft). OR Animal has not been seen in the session. The draft list status will display Unseen .
Red	Animal has been seen in the session, but not drafted according to planned draft (i.e. Draft does not equal Planned Draft).
Green	Extra animal has been seen in the session and is not in the draft list.

Copy Database

This option enables the entire APS database to be backed up from or restored to APS.



To copy database

1. From the Configure tab, select **Copy Database**.
2. Using the drop down menus on screen and depending on whether you are creating a backup of APS data or restoring a backup to APS, either:
 - Select **From APS** and select the destination of the copied data
OR
 - Select where the data is being copied from, to be restored **To APS**.

Note: When copying data from APS, selecting the **Compress Files** check box will create a zip file.
3. Click the **Copy Database** button .

Note: Data can be copied to and from a USB stick, FTP site, or folder on your computer. Additionally by selecting the Email option when copying data, a file of the copied data will be attached to an email.

MANAGE ANIMALS

This tab is only available to **Professional Edition** users and allows access to more animal information and more advanced statistics and reporting via APS Office.

APS Standard users can access APS Office for the duration of their 30 day trial, after which time an upgrade must be purchased.

For more information on the features of APS Professional refer to the APS Professional User Guide included on your APS installation CD.

CONFIGURE TAB

When the **Configure** tab is selected, the following menu options are displayed:

Menu Option	Description
General	Used to configure the country, language, email options, location types and confirm dialog boxes for the APS application.
Device	This tab will change to display configuration details for the connected device. See <i>Device</i> (p 29) for more details.
Set up Fields	Displays a list of all the traits, activities and life data held in the APS database. The list can be added to, edited and deleted from. See <i>Setup Fields</i> (p 36) for more details
Share	Enter the address where an external database can be found, and used to store or retrieve session data.
Upgrade	Enables the APS license to be upgraded. The view will change depending on the version you are using. See <i>Complete Registration</i> (p 5) steps 1 -3..

General

Country and Language

Using the drop down box arrows:

- select your **Country** and;
- select the **Language** required

Note: Values available are specific to the APS version.

If your device is configured to perform in a language other than English and the language is not displayed on the drop down menu, click **Add language file**.

Date Format

Select the format the date is to be recorded and displayed in APS.

Email Method

Set up the way your emails are sent – using either the MAPI or SMTP method.

If using the SMTP method, the email message is created within APS. An optional address book can be used to store and retrieve the details of commonly used contacts as the message is created.

Note: If your SMTP email account is with a provider not listed in the drop down box, it is possible to manually configure the settings by selecting the Custom option.

Locations

Use the **Setup Location Types** button to add, edit or delete descriptions of Farms, Properties and Areas used to record the location of your animals. If your country runs a program to track the movement of livestock on and off properties, then specific settings required for this (i.e. NLIS, CCIA,NAIT) can also be set up here.

Select the Location type:

1. Click the **Add** button,.
2. Enter the details required and click **OK**.
3. Click **Close** to go back to the Configure screen.

Show Confirm Dialogs


Lists all popup boxes that display a 'Do not show this again' check box. The current status of the popup boxes is shown here and can be changed.

Further settings can be selected as required.

Remember: Click on the **Apply** button to save changes to any of the above fields.

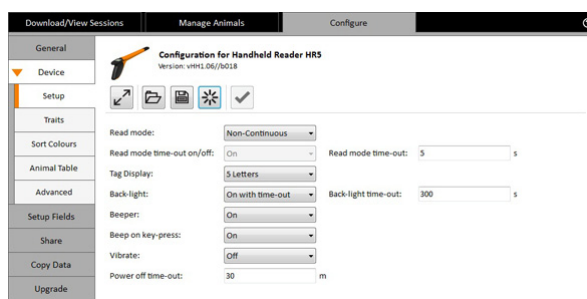
Device

Some Gallagher Scale and Reader devices can be connected to your PC and configured using APS. See your device user guide for more information about connecting the device to a computer.


1. If a device is detected, an image and description of the device will be displayed on the Connected Equipment screen.
 - If no device is shown as connected, click on the **Refresh** button  and APS will search for a Gallagher device on the available PC COM ports.

Note: It is also possible to connect some Gallagher devices to a PC using a WiFi connection. Firewall settings may need to be adjusted to allow this connection.




2. Click on the image of the device to confirm the connection. The display will change to the setup screen for the connected device.







Depending on whether the connected device is a Reader or Scale, the Setup screen will show different configuration settings for each device. The Device sub menu will change according to the device connected.

3. Changes to the fields on the selected sub menu can be updated to the device by clicking the **Apply** button .

The following icons may be displayed on the device Configuration window:

Icon	Description
	Takes you back to the Connected Equipment window. If more than one device is connected to the computer, it enables you to change devices.
	Enables you to find and open a saved Configuration file that can be applied to the device
	Save the configuration settings to a file; this can be recalled for re-use in the future.

Icon	Description
<p>Defaults</p> 	<p>Enables the device configuration to be returned to the default factory settings.</p>
<p>Apply/ Update</p> 	<p>Select this button to accept any changes made to the screen.</p>
<p>Copy session</p> 	<p>Will copy the selected session from device to computer.</p>
<p>Data synchronisation</p> 	<p>Click to merge data between APS and the connected device. (Only available with Tsi2). See <i>Data Synchronisation</i> (p 30) for more information.</p>

See the device User Manual for more details on options for configuring the connected device.

Data Synchronisation (TSi 2 Only)


The Data Sync function will synchronise and merge the last modifications (new sessions, animal additions, deletions, changes to life data, traits, activities, events, weight, location, notes, groups,) since previous synchronisation. Unlike a full backup and restore operation, synchronisation allows changes to be made on both the TSi 2 and APS independently, then have the databases merged without any loss of data.

Regularly using Data Sync will ensure your APS database and Tsi 2 Livestock Manager are both up to date with latest animal information at all times.

Notes:

- The time and date of the TSi 2 and PC should be set the same to ensure an accurate data sync.
- You are unable to use device or APS while sync in progress.
- Any data that cannot be merged will not be synced and user notified.
- Only 1 TSi 2 Livestock Manager can be connected for synchronising at a time.
- APS Professional users must exit APS Office and Yard screens on PC before running synchronisation.

To use Data Sync:

1. We recommend a backup and restore has been completed between APS and the TSi 2 prior to the first data synchronisation.
2. Connect your device to the PC/laptop. See *Device – to connect a device* (p 29).
3. The date of the last synchronisation will be displayed.
 - If this is the first time synchronisation is run, you will be prompted to set the synchronisation date.
4. Click on the **Data Synchronisation** button .
5. Click on **Start** to begin the synchronisation process.
6. Once synchronisation is complete, click the **Summary** button to view a list of the differences since the last synchronisation.
7. Click **Close** to exit.

Note: The following data is not included in a Data Synchronisation.

- | | |
|--|-----------------------|
| • Draft lists/ rules | • Languages |
| • Drafting Options | • Date Format |
| • Session Types | • Calculated Values |
| • Settings | • Connected Equipment |
| • Session Options (i.e. no EID, Weigh lock mode) | |

Device - Sub Menu

Listed below are sub menu headings that may be found on the Device sub menu depending on the device connected to your computer.

Setup (for Readers e.g. HR4)

This screen shows the configuration settings of the connected device.

1. Select the drop down arrow on the field to be changed, and select the new setting.
 - Type in time-out settings where required as seconds.
2. Click on the **Apply** button to accept any changes. The changes will be updated to your device.

Note: Some of these settings can only be changed in APS and not on your device.

Setup (for Scales e.g. W610, W810)

Select whether some or all fields are to be displayed when creating a session.

- Select the checkboxes of the required options: Session Note, Session PIN, EID Required.

Note: Fields displayed may vary depending on the scale connected.

Traits

Displays Trait tables of the connected device. New trait tables can be added to the list, existing ones deleted or edited.

- Click on the **Apply** button to accept any changes to the list. These changes will be updated to the device.

Animal Table

Shows cross reference information.

Any differences between tag information stored on the device and APS may result in a pop up box asking you to **Resolve Differences** or display in red on the screen; e.g. an EID on the device is '17553962' and in APS is '000000017553962'.

1. Click the **Resolve Differences** button to select the correct option and then click **Update**.
2. Click on the **Apply** button to accept any changes to the list. These changes will be updated to the device or computer.

Sort Colours (for Readers e.g. HR4)

Default colours are set to differentiate between the sort lists. Select the down arrow on the sort field to change the colour for a sort list. The selected sort colour will display on the HR4 screen when a tag is read for an animal matching the sort.

- Click on the **Apply** button to accept any changes to the colours. These changes will be updated to the device.

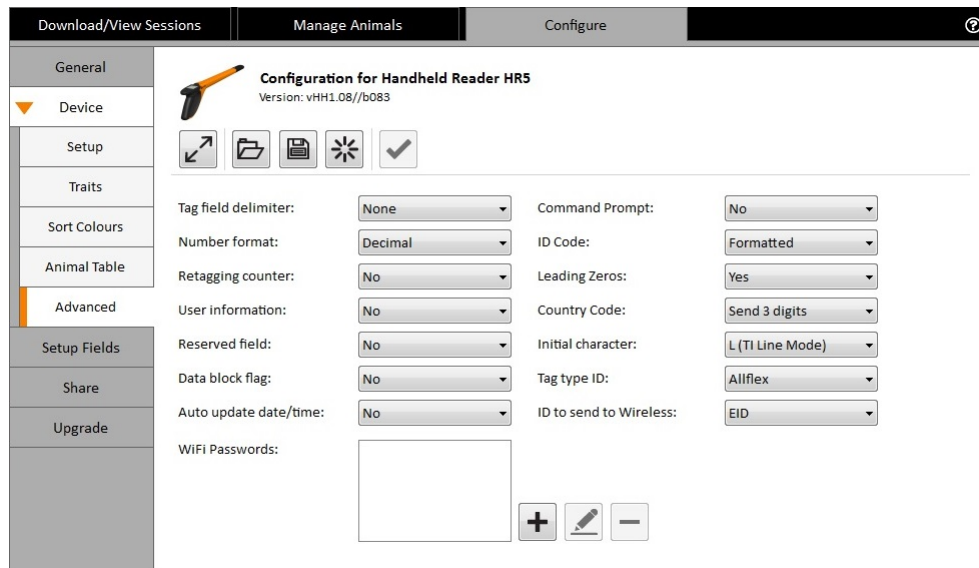
Language

Enables you to change the language displayed on the connected device.

1. Click the Language tab to display the current alternate language on the connected device.
2. If the required language is not displayed, click the **Add New** button .
3. Select the language file from a folder of saved language files and click **Open**. The new language will be added to the list of languages displayed on screen.
4. Select the language and click on the Apply button .

Note: To remove a language file, select the language from the list and click the **Remove** button .

Advanced (Settings) (for Readers e.g. HR4)



The following table describes the advanced settings fields:

Field Name	Description
Field Delimiter	This option sets the field delimiter of the sent data. It is used in conjunction with the ID Code field.
Number Format	This option sets the number format the captured data is sent out the COM port, either Decimal or Hexadecimal.
Re-tagging Counter	This option determines whether the Re-tagging Counter is included in the sent data.
User Information	This option determines whether the User Information is included in the sent data.
Reserved Field	This option determines whether the Reserved Field data is included in the sent data. Unused in the current standard.
Data Block Flag	This option determines whether the Data Block Flag is included in the sent data.
Command Prompt	This option determines whether a Command prompt (>) is sent after sending the data.
ID Code	This option sets whether the data is sent out as formatted or un-formatted data. If the ID Code is sent out as Formatted the character defined in the Field Delimiter option is inserted between the blocks of data.
Auto update date/time	When set to yes, the date and time will be set each time a reader is connected.
Leading Zeros	This option determines whether the Leading Zeros are included in the sent data.
Country Code	This option determines whether the Country Code is included in the sent data and if so, what format is used. Applies to animal Electronic ID tags only. Numeric 3-digits: A three digit numeric country code is included in the data string sent out. Numeric 4-digits: A four digit numeric country code is included in the data string sent out Alphanumeric: A three digit alphanumeric country code is included in the data string sent out.
Initial Character	This option determines the initial character of the data. Used in conjunction with the Tag Type ID field. The default setting is displayed above.

Field Name	Description
Tag Type ID	This option determines the Tag type ID used to identify the beginning of the data. Used in conjunction with the Initial Character field. The default setting is displayed above.
ID to send to Bluetooth	This option allows you to select the type of tag identification number sent via Bluetooth.

Setup Fields

This is where default traits, activities and life data are created, edited or deleted from APS.

The **Compatible Devices** checkboxes will show only the fields available for the device selected. More than one device can be selected and the list of existing values will be updated to display only the values compatible to both devices.

The selected Compatible Devices will restrict the fields that are displayed for the selected device/s. i.e. you may see less fields displayed if TSi and HR4 are selected than if just TSi is selected.

By selecting the Compatible Device that a new trait, activity or life data value is to be created for, only those fields and actions available to the specified device will be displayed. i.e. by selecting the WeighScale, and the **Add New** button, only Trait fields can be created. If the SmartTSi is selected, and then **Add New**, Trait, Activity and Life Data fields can be created.

If using the Professional Edition of APS, traits, activities and life data can also be inserted through the **View/Edit Animal** button in APS Office. See *Recording a Trait, Activity or Note* section in the *APS Professional Manual* for more details.


Name	Type
Gender	List of Values Trait
Wet or Dry	List of Values Trait
5 in 1 Vacc	Activity
Animal Vaccination	Activity
Drench	Activity
drench 2	Activity
Tagged	Activity
Weaned	Activity
Breed	Life Data
Colour	Life Data
Original PIC	Life Data
Sex	Life Data

Compatible Devices:

- TSi
- HR5
- HR4
- WeighScale

Add New Trait

From the Configure tab, Setup Fields option:

1. Click the **Add New**  button.
2. Click on the **Trait** button. (This step not required for WeighScale).
3. The Add Trait screen will open. Type in a **Trait Name**.
4. Select a Trait Type from the drop down list.


Note: The Compatible Device selected, will determine the trait fields and options that are available on the screen when creating a new trait.

If your Trait Type is a... then...	
List of Values Trait	<ul style="list-style-type: none"> • Click on Add and enter a trait value. • Click OK to accept value. • Repeat for each trait value in the list. • Click OK to save the trait list.
Numeric Trait (Standard) (numeric characters only)	<ul style="list-style-type: none"> • Is Weight Trait = No • Type in a minimum limit. • Type in a maximum limit. <p>The following fields are optional:</p> <ul style="list-style-type: none"> • Precision • Units • Sound File (TSi only)
Numeric Trait (Weight) Data is loaded from loadbars (TSi only)	<ul style="list-style-type: none"> • Is Weight Trait = Yes. • Select the checkbox if the animal's weight is to be used in the ADG calculation. • Leave unchecked if the weight is not the Live Weight of an animal E.g. the weight of a sheep's fleece or deer's velvet.
Free Text Trait Type	<ul style="list-style-type: none"> • Type in a character limit for this Trait (maximum limit 20 characters).
Date Trait	<ul style="list-style-type: none"> • Deselect any fields that do not apply to the trait.

5. Click **OK**.


Add Activity

From the Configure tab, Setup Fields option:

1. Click the **Add New**  button.
2. Click on the **Activity** button. The Add Activity screen will open.
3. Type in an Activity Name.
4. To add a withholding period (WHP) or estimated slaughter interval (ESI) for the activity (optional):
 - Enter the number of days applicable for the activity.
5. Click on **OK**.

Add Life Data

From the Configure tab, Setup Fields option:

1. Click the **Add New**  button.
2. Click on the **Life Data** button. The Add Life Data screen will open.
3. Type in a Life Data Name.
4. Select the **Life Data Type** field from the drop down menu.

If **List of Values** is selected, refer to the table under *Add New Trait* (p 37) to set this up:

5. Click on **OK**.

Note: Custom Life Data of type **text** or **numeric** is only compatible with TSi or HR5 hardware.


Share

This option is used to set up the data sharing functionality of APS. Data can be sent to or retrieved from an external web database.

To setup share data

From the Configure tab, Share option:

1. Click the **Add** button to display the **Add Share Configuration** screen.
2. In the **Name** field, type in a descriptive name for the URL address.
3. In the **URL:** field, enter the URL address of the shared database.
 - The **Username** and **Password** are optional fields, which may or may not be required to access the database.
4. From the **Transfer Type** drop down menu, select if the data transfer is **Send and Receive**, **Receive Only** or **Send Only**.
 - If the session being transferred is to overwrite or be added to an existing session, click the **Advanced** button.
 - Select the preferred option and press **OK**.
5. Click on **OK**, to save the new URL address.
 - If Proxy Share Settings are required, click on the **Advanced** button at the bottom right of the Configure screen.
6. Click on the **Apply** button to save the entered data.

Session information can then be shared from the **Download/ View Sessions** tab via the **Share**  icon.

Upgrade

APS is currently available in two versions; Standard, and Professional. APS Standard can be upgraded by purchasing an APS Professional license and entering a new **Unlock** code here.

See *Complete Registration* (p 5) for more information.

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